

- 6** When you see the position where the ticker ends, press **[Stop]** and then **[End]**.



You can also set the ending position of ticker by selecting "Ticker end point" instead of pressing **[End]**.

- 7** When the ticker editing is completed, select "Finish editing" from the function menu.

If the ticker list is displayed
Press **[Finish]**.

To check the movie with the edited ticker
Select "Finish editing" from the function menu or press **[Finish]**, and then press **[Play]**.

- 8** Press **[Set]**.

- 9** Press **[Save]** and select "YES".

The edited movie is saved to the folder you selected in Step 1 on p.313.

To check the details of stored tickers
After selecting "Edit" on the screen of the Step 1, highlight the ticker you want to check, and then press **[Detail]**.

To edit the stored tickers
Select "Edit" on the screen for step 1, highlight the ticker you want to edit and select one of the following categories from the function menu:

| | |
|------------------|--|
| Change text | To change the entered ticker. |
| Change effect | To change the color of characters, character position and scroll direction. —p.317 |
| Change start po | To change the position where the ticker starts. |
| Change end point | To change the position where the ticker ends. |

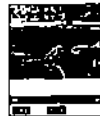
To delete the stored ticker
After selecting "Edit" on the screen of the Step 1, highlight the ticker you want to edit, and then press "Delete ticker".

Rerecording in a movie

<Record sound>

You can reduce the existing voice and record new voice in a movie or i-motion.

- 1** Select "Rerecord sound" from the function menu.
- 2** Press **[Start]** to start rerecording.



To rerecord from the middle of the movie or i-motion
Press **[Play]** to play the movie until the position where you start rerecording, and then press **[Start]**.

- 3** When the rerecording is completed, press **[End]** and then **[Finish]**.

- 4** Play **[Set]**.

To check the rerecording sound you have just recorded
Press **[Play]**.

- 5** Press **[Save]** and select "YES".

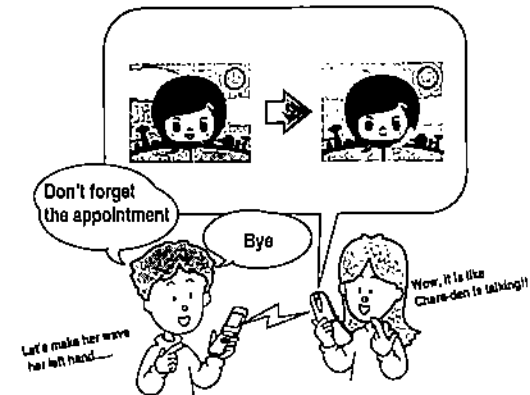
The edited movie is saved to the folder you selected in Step 1 on p.313.

Chara-den

About Chara-den

Chara-den allows you to display a cartoon character as substitute images on the i-mode terminal of the other party instead of sending images displayed on your terminal during a videophone call.

- You can control the cartoon character to do various actions or move one's mouth to the sound to make it look as if the cartoon character were actually talking. —p.325
- You can set a still image/movie file that were taken with the "Chara-den" (p.327) on the standby display and send an i-mode mail with the file attached.
- You can download and add your favorite cartoon character other than using pre-installed cartoon characters. —p.94

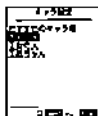


Downloading Chara-den

You can download up to 3 Chara-dens that you like from a site to save them.

- You can save up to 3 downloaded Chara-dens.

1 Display the site page of Chara-den that you want to download.



2 Select and download the Chara-den.

When the data is successfully downloaded, the screen notifying you of the completion of data received is displayed.

To cancel the operation

Press [] (Out).

3 Select "Save" on the display notifying you of the completion of data received.



A message appears asking whether or not you want to save the data. Select "Play" to play the Chara-den that you downloaded.

Operation procedure of Chara-den — p.325

To save the data

Select "YES".

A message appears notifying you that the data has been saved.

To cancel the operation

Select "NO".

You go back to the screen that notifies you of the data received without saving the data.

When the memory is full

A message appears asking if you want to delete unnecessary

Chara-den and then save the new Chara-den.

To save the new Chara-den, select "YES" and then select the

Chara-den that you want to delete.

To cancel saving the new Chara-den, select "NO". When you select "NO", you can go back to the screen that notifies you of the data received without saving the data.

Displaying Chara-den

Default setting

Set image display: Fit in display
Substitute image: Demo

You can display pre-installed Chara-den and Chara-den downloaded from a site.

- The following 3 Chara-dens are pre-installed.



Demo



Chica



Nino

1 Select [Menu] ► [Chara-den].

The list screen of Chara-den is displayed.

2 Select the Chara-den you want to display.



The selected Chara-den is displayed.

To change the size of display

Select "Set image disp." from the function menu and then select the display size from "Actual size" or "Fit in display".

To check Chara-den information

Highlight Chara-den that you want to check on the Chara-den list screen and select "Chara-den info" from the function menu.
You can check the default title, file name, file size, file restriction information and file restriction information after taking a picture in Chara-den information.
After checking the detail information, press [Enter].

To use displayed Chara-den as a substitute image for video-phone

Select "Substitute image" from the function menu.
You can also set this up by highlighting Chara-den on the Chara-den list screen for step 1 and selecting "Substitute image" from the function menu.

- When "Rec. file restriction" is set to "File Restricted", you cannot edit a picture or movie clipped with Chara-den record, save Chara-den in a miniSD memory card or attach Chara-den to an F-mode mail.
- When the FOMA card is replaced with another one or the power of the FOMA terminal is turned on with the FOMA card removed, the downloaded Chara-den cannot be played. When "Substitute image" has been set, it will operate with default settings. You will be able to display them and operate with your settings once the original FOMA card has been inserted. —p.19

Operating Chara-den

You can play Chara-den by selecting an action from the pre-installed choices to express Chara-den's feeling with gestures.

- Even when you are not operating Chara-den, it continues unique actions depending on the type of Chara-den you selected.

1 Display Chara-den. —p.324

2 Press [Action List] to display the action list.



The action lists vary depending on the type of Chara-den.

You can also display the action list by selecting "Action list" from the function menu.
During displaying Chara-den, pressing dial keys corresponding to "1" and "01" etc. located on the right to the action name on the action list screen allow you to play the corresponding action. —p.326



To display the detail of action

Highlight the action you want to check, and then press [Detail].
After checking the detail of action, press [Exit].



To switch the action mode

During displaying Chara-den, select "Change action" from the function menu.
Display of [1] indicates "Parts action mode" and [01] indicates "Error in action mode".
[1] (Error in action):
The action mode expresses the entire action of Chara-den such as its feeling.
[01] (Parts action):
The action mode expresses the partial action of Chara-den such as the motion of its head, hands and feet.

3 Select the action you want to play.



The selected action starts playing.
To cancel playing the selected action
Press [STOP].

To select an action with the dial key
Press the following dial keys on the screen of the Step 1 to play the action.
"Emot'n action"
Press the single-digit number (0-9) marked on the right side of the action name on the action list or [OK] marked on the right side of the action name on the action list.
"Paris action"
Press the 2-digit number (00-99) marked on the right side of the action name on the action list.
«Example: To select "Emot'n" in Emot'n actions
Press [7] at Step 2 on p.324

«Example: To select "Paris" in Paris actions
Press [00] [00] at Step 2 on p.324

To manipulate the mouthing of Chara-den to voice
If you enter voice during the display of Chara-den, some Chara-den can be controlled the mouthing of it as if talking.
When you play an action from the function menu or by pressing the dial key, the setting of action is given priority over the entered voice.

Shooting Chara-den

<Chara-den shooting>

- You can save a clipped picture or movie from Chara-den played in the "Chara-den".
- The clipped picture and movie are saved in the Inbox folder of "Image" and "i Motion", respectively.
 - Setting at the time of shooting Chara-den → p.331

How to view the screen when of shooting Chara-den



To take a picture



To record a movie

- ① Indicates the selected action mode (p.325).
[E]: Emot'n action
[P]: Paris action
- ② Indicates Photo mode (p.328 and p.329)
[P]: Still image
[M]: Movie
- ③ Indicates setting of "Storage setting" (p.331)
[L]: Long duration mode
[N]: Normal
[H]: For high quality
- ④ Indicates setting of "Movie type set" (p.331).
[V]: Video + voice
[V]: Video
- ⑤ Indicates the recording size set on "Format setting" (p.331).
[L]: Size (L) (176 X 144)
[S]: Size (S) (128 X 96)
- ⑥ Displays recording status.
[STAND BY]: Standby
[REC]: Recording
- ⑦ Indicates the remaining recording time in "minutes.seconds(not display before recording)".

Shooting a still image

- 1 Display Chara-den. → p.324
- 2 Select "Rec. chara-den" from the function menu.
The picture list screen is displayed.
To switch to the movie recording mode
While [P] is being displayed, select "Movie mode" from the function menu. The icon will be switched to [M].
To change Chara-den
Select "Switch Chara-den" from the function menu to select Chara-den you want to change.
If you change Chara-den, all the selectable actions and motions when the Chara-den is not operated are changed.
- 3 Select the action of Chara-den you want to shoot.
About the actions → p.326
To cancel playing the actions
Press [STOP].
- 4 Check the displayed Chara-den and then press [Record].
You can hear the shutter sound, when recording. Then, the check mode screen is displayed
To restart the shooting
Press [START].
You go back to the picture shooting screen. Restart the shooting.
To attach a picture to an i-mode mail immediately after being shot and send the message
Press [MAIL].
The screen appears allowing you to compose an i-mode mail with the picture attached.
→ p.168
When "Rec. file restriction" is set to "File restricted", you cannot attach the picture to an i-mode mail.

5 Press [Save].

The shot picture is saved on the Inbox folder of "Image".
When you want to continue shooting, repeat the Step 3 to 5.


■ Shooting a movie

1 Display Chara-den. →p.324

2 Select "Rec. Chara-den" from the function menu.



3 Select "Movie mode" from the function menu.




The movie list screen is displayed.
To switch to the picture recording mode
While "MOV" is displayed, select "Photo mode" from the function menu.
The icon is switched to .
To change Chara-den
Select "Switch Chara-den" from the function menu to select Chara-den you want to change.
If you change Chara-den, all the selectable actions and motions when the Chara-den is not operated are changed.

4 Check the displayed Chara-den and then press [Record].





When recording, you can hear the sound that the recording is started images are displayed during the recording.
To restart the shooting
Press .
When the amount of data reaches maximum capacity, recording automatically stops.
Press  [Stop] and the check mode screen in the Step 7 is displayed.

5 Select the action of Chara-den by pressing the dial keys.

About the actions → p.326
The action is selected during recording.
To cancel playing the actions
Press 

6 Press [Stop] to finish the recording.



When stopped, you can hear the sound that the recording is stopped. Then, the check mode screen is displayed.
To check the recorded movie
Select "Check replaying" from the function menu.
To restart the recording
Press .
You go back to the movie recording screen. Restart the recording.
To attach a movie to an i-mode mail immediately after being recorded and send the message
Press  [MAIL]
The screen appears allowing you to compose an i-mode mail with the movie attached. → p.168
When "Rec. file restriction" is set to "File restricted", you cannot attach the movie to an i-mode mail.

7 Press [Save].

The recorded movie is saved on the Inbox folder of "i-Motion".
When you want to continue recording, repeat the Step 4 to 7.

- The incoming call lamp does not flash during the movie recording with the "Chara-den". You cannot hear the shutter sound or the starting/ending sound when the "Manner mode" is set.
- When you receive an incoming call or an alarm notification before saving your Chara-den after shooting, the data will automatically be saved.
- If "Rec. chara-den" is selected when space for "Image" or "i-Motion" is insufficient, a message notifying you of the insufficient space appears and you cannot shoot.

■ Making Chara-den shooting settings

| | |
|-----------------|---|
| Default setting | Format setting : Large (176×144), Movie type set : Normal |
| | Storage setting : Normal |

You can set the recording size for pictures or movies you shoot. To record a movie, you can set image quality and select the recording type from Video + voice or Video.
You can view the setting detail on the screen that is displayed when Chara-den is shot.
→ p.327

- The shooting setting of Chara-den is retained even when you exit Chara-den.

1 Display the function menu on the Chara-den shooting screen. →p.328

To set the format setting
Select "Format setting" from the function menu to select the recording size
Large (176×144) : To save pictures or movies in OCIF size
Small (128×96) : To save pictures or movies in Sub-OCIF size

To set the movie type
Select "Movie type set" from the function menu and select recording item(s).
Normal : Records both images and voice
Image : Records images only

To set the storage setting for movies
Select "storage setting" from the function menu and select image quality (filming speed) for the movie.
Long out. mode : Lowers the image quality for each frame but extends the recording time
Normal : Maintains the normal setting for both image quality and recording time
Fine mode : Enhances the image quality for each frame but shortens the recording time

- Even if you set "Format setting" to "Small(128×96)" when taking a still image, the setting will be switched to "Large(176×144)" if you change to shoot a movie.

Playing a Melody

You can play pre-installed melody, alarm, melody downloaded from a site, i-Applet and melody recorded from Bar code reader. You can also check the voice recorded in the Voice announce function.

- About the folder structure and file format of "Melody" → p.285

<Example: To play a melody in the Inbox folder>

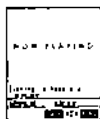
1 Select [Menu] [Play] [Melody].

The list screen of the "Melody" folders is displayed.
You can select "Playlist" to play up to 10 melodies based on the program → p.335
When PIM lock is set, only the Pre-installed folders are displayed.

2 Select the folder that contains the melody you want to play.

The melody list screen appears.
About the icons before the title → p.268

3 Select the melody you want to play.



The melody starts playing.
The melody is played in the volume selected in "Phone/V-Phone" of "Ring volume" (p.79). If the volume is set to "Silent" or "Steo", the melody plays in "Level 2".

Operation while the Melody is played

The following operations are available while the "Melody" is played:

| Operation key | Operation in Melody |
|------------------|----------------------------------|
| [Play] | Play the next or previous melody |
| [Volume Up/Down] | Volume adjustment |
| [Stop] | Stop |
| [Exit] | Exit |

- After adjusting the volume, press [Set] or wait for approximately 2 seconds to return to the "Melody" screen.
- Even if you adjust the volume during playing, when the "Melody" ends, the volume returns to the setting specified in "Ring volume".

To check the melody information

Highlight the melody that you want to check the information on the melody list screen, and then select "Melody Info" from the function menu.
Melody information provides the information of melody title, file name, file restriction and the setting status of ring tone/alarm tone. After checking the melody information, press [Exit].

To set a melody as ring tone

Highlight the melody you want to set as a ring tone on the melody list screen, and then select "Set as ring tone" from the function menu. Select the tone you want to specify. The items that have already been specified are displayed with "in".

You can also set the ring tone from the function menu while you are playing the melody.

To release the setting as a ring tone, press "Select ring tone" (→ p.300) to change to other melody.

To compose i-mode mail

On the list screen, highlight a melody you want to attach and select "Compose message" from the function menu.

About composing new i-mode mail messages → p.300.

You can also compose i-mode mail from the function menu while a melody is playing.

You cannot select "Compose message" when the melody cannot be attached to a mail. You may not be able to attach some melodies to an i-mode mail depending on the amount of data. → p.300.

- If you try to play the melody when the Manner mode is set, a message appears asking if it is OK to play the melody. If you select "YES", the melody starts playing.
- In case that you receive an incoming voice/video phone call, an alarm notification of "Schedule", "Alarm clock" and "ToDo" is executed, or an operation in other functions is performed while the melody is playing, the playback is canceled.
- Melodies that "L" or "R" is marked before the titles, the part of replay may be specified in advance. Thus, only the specified part of the melody is played if it is used as a ring tone, etc. "Melody" allows you to play all the melodies. You can also change the file name and title of the melodies.
- Even when "L" is marked or the file restriction is set to "Unrestricted" in the melody information, some melodies may not be used as a mail attachment or transferred through Ir exchange function.

Playing melodies in the order you like

<Playing program>

You can play up to 10 favorite melodies in the order you like.

<Example: To play melodies in the Inbox folder>

1 Highlight "Playlist" on the Folder list screen in "Melody", and select "Edit playlist" from the function menu. → p.333

2 Select the program number you want to set.

3 Select the folder and then select the melody you want to include on the playlist.

Press [Play] to play the melody.

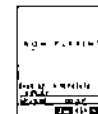
4 Repeat the Step 2 and 3 and then press [Finish].



To release the melody from the playlist

Select the melody you want to release and then select "Release title".

5 Press [Play] to play the melody from the playlist.



The melody starts playing.

The edited playlist is not released even "Melody" is turned off.

To release the playlist

Highlight "Playlist" on the Folder list screen in "Melody", and select "Release playlist" from the function menu.

The playlist is released in the following cases:

- When you delete even one melody from the playlist.
- When you change the title of even one melody on the playlist.
- When you change the file name of even one melody on the playlist.

About title and file name

Titles and file names will be assigned automatically to still images and movies taken by the built-in camera or "Chara-den". For downloaded i-motion, melodies and Chara-den, their original titles will be assigned. Downloaded images will have titles which are the same as the file names. Titles can be viewed on "i-motion info", "Melody info" and "Chara-den info". File names will be displayed when you select images on your FOMA terminal or send them to PCs.

<Example: Still Images taken by the built-in camera>

• Title: yyyy/mm/dd hh:mm
(yyyy/mm/dd hh:mm — date and time the image was saved)

• File name: yyyyymmddhhmmxxx
(yyyyymmddhhmm — date and time the image was saved, xxx: 3-digit)

The 3-digit number at the end of the file name is a serial number in case there are multiple files with the same names.

If date and time are not specified or there is no information to be included in the file name, file name will be "imagexxx".

Changing file and file name — p.292 and p.293

Data (images and movies) which can be edited

| Folder | Icon | Data | Editing images/movies |
|----------|---|---|-----------------------|
| Image | | JPEG image** | Editable |
| | | Still image shot with Chara-den** | |
| | | GIF image | Non-editable |
| | | JPEG images with file restriction** | |
| | | GIF images with file restriction | |
| | | Flash image | |
| | | Frame | |
| | Image set with the FOMA card operational restriction function (When the FOMA card has been replaced with a different one) | | |
| i-Motion | | Movies shot with the built-in camera** and movie | Editable |
| | | retrieved by from the i-Traps exchange function, etc. | |
| | | Movies shot with Chara-den** | Non-editable |
| | | i-Motion downloaded from a site, etc. | |

*-1: The editing functions may vary depending on image sets. — p.291

*-2: Still images and movies for which "Rec. file restriction" is set to "Restricted" can not be edited.

*-3: Still images and movies shot with the built-in camera can be edited even if "File restriction" (p.291) is set to "File restricted".

● How to edit a image and movie — p.295 and p.313

● You cannot edit still images and movies of the 'miniSD' folder.

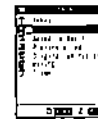
Viewing the data in a folder

<Example: To view an image in the "Camera" folder of "Image">

1 Select (Menu) ► ► "Image".

The folder list screen of "Image" is displayed.

2 Select the folder you want to check the data.



The data list screen of the selected folder is displayed. When no data is stored, a message appears notifying you that there is no stored data in the folder.

3 Select the data you want to check.

The data is displayed or played.
Press to return to the data list screen.

Composing, editing and deleting a folder

You can add a folder in any folders of "Image", "i-Motion" or "Melody" to organize the data.

● Each can contain up to 20 folders. Folder names can be edited.

<Example: To add a folder in "Image">

1 Select "Add folder" from the folder list screen of "Image". — p.290

2 Enter the folder name and then press [Set].



The folder name can contain up to 10 half-pitch or 20 half-pitch characters. You can add a folder under the same name as that of the existing folder. When no character is entered in the folder name, you cannot add a folder. Entering characters — p.300

To change the folder name

Highlight the folder that you want to change the folder name on "Image" list screen, and then select "Edit folder name" from the function menu to change the folder name.

You can change the folder name of the user-composed folders only.

To delete a folder

Highlight the folder to be deleted on the "Image" list screen, select "Delete folder" from the function menu, enter the security code and select "YES".

• When you delete a folder, the data in the folder is also deleted.

• You can delete the user-composed folders only.

• When you try to delete a folder that contains images specified to the standby display, movies and i-motions, original animations, images specified to the user icons on the Schedule or melodies specified to the playlist and random melody, a message appears asking if it is OK to delete the folder. When you select "YES" to delete the folder, the specified screen changes as follows:

• The specified standby display is reset to the default setting.

• Original animation will be released.

• The ring tone for which the random melody is set returns to default.

• The user icons "", "", "" displayed on the list screen of the Schedule changes to "".

Moving the data to another folder

You can select multiple data at one time and move them to another folder. The folders can be moved between the folders saved in "Inbox", "Camera" and user-composed folders.

<Example: To move a melody in the "Inbox" folder of "Melody">

- 1 Select "Move folder" from the function menu on the data list screen, and then select the destination folder. → p.290

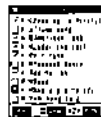
To move 1 data in "Image" or "I-Motion"

Highlight the data to move, select "Move folder" from the function menu and select the folder as the destination.

To move multiple data in "Image" or "I-Motion"

Select "Multiple-choice" from the function menu and select the image to be moved. Then select "Move" from the function menu and select the folder as the destination.

- 2 Select the data you want to move.



The selected data is marked.

When you select the marked data again, it is unmarked. When you want to unmark all the selected data, select "Release all" from the function menu.

When you select "Select all" from the function menu, you can select all the data in the folder.

- 3 Press [Finish] and then select "YES".

Deleting data

The procedures for deleting Images, movies, I-motion, melodies and Chara-den are described below.

- You can delete one data, delete multiple selected data, or delete all data. However, you cannot select multiple Chara-den for deletion.
- The pre-installed Chara-den cannot be deleted.

Deleting one data

- 1 Highlight the image you want to delete on the list screen, and then select "Delete this" from the function menu.

- 2 Select "YES".

To cancel deleting
Select "No".

Deleting selected multiple data

- 1 Select "Multiple-choice" from the function menu on the list screen.

For melodies

Select "Delete these" from the function menu.

- 2 Select the data you want to delete.



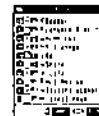
For Images

Select the image you want to delete.

The frame of the selected image turns red.

When you select the checked images again, they are released. When you want to unmark all the selected images, select "Release all" from the function menu.

When you select "Select all" from the function menu, you can select all the images in the folder.



For movies, I-motion or melodies

Select the titles of data you want to delete from the list.

The selected titles are checked.

When you select the checked titles again, they are released. To release all selection, select "Release all" from the function menu.

You can select all titles in the folder by selecting "Select all" from the function menu.

- 3 Perform one of the following operations according to the type of data you want to delete.

For Images, movies or I-motion

Select "Delete" and "YES".

For melodies

Press [Finish] and then select "YES".

To cancel deleting

Select "No".

Deleting all data

- Even you delete all the Chara-den, the pre-installed Chara-den cannot be deleted.

- 1 Highlight the data you want to delete on the list screen, and then select "Delete all" from the function menu.

- 2 Enter your security code.

About security code → p. XXX

- When you delete a movie or I-motion specified to the standby display, the setting is released and is returned to the default.
- When you delete the melody that is set as a ring tone for the phone or mail, the settings of "Select ring tone", "Utilities (Phonebook)" and "Utilities (Group)" are released and return to the default.
- If you delete image set for "Set as display" or original animation link file, the setting is canceled and reset to the defaults.

Data Transfer with Infrared Exchange/Cable Connection

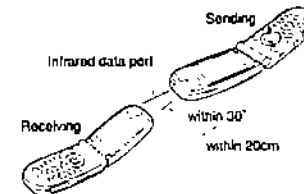
You can transfer data such as the Phonebook or received mails between your FOMA terminal and another FOMA terminal or PC, using Infrared exchange or a cable connection.

- You can transfer individual data items or a batch consisting of multiple data items via infrared exchange with another FOMA terminal or PC that is equipped with the infrared exchange function.
 - You can receive individual data items from a PC or transfer a batch consisting of multiple data items between a FOMA terminal and PC by connecting the terminal and PC with the FOMA USB cable and using OBEX, which is a protocol for data communication.
 - The following data can be exchanged:
 - Phonebook entries
 - Personal data in "Own number"
 - Schedules
 - ToDo lists
 - Sent mail
 - Received mail
 - Draft mail
 - Text memos
 - Melody
 - Pictures (still images)*
 - Movies*
 - Downloaded still images*
 - Animations downloaded from sites or a Web pages*
 - Bookmark data
- *: You cannot send multiple melodies, pictures (still images), movies, downloaded still images and animations downloaded from sites or Web pages in batch via infrared exchange.

Notes on data transfer using Infrared exchange

Note the following points regarding data transfer using the Infrared exchange function:

- Set the receiving FOMA terminal to receive and place the sending FOMA terminal within 20 cm of the receiving terminal.



- Place the FOMA terminals on a stable surface, such as a table, so that the Infrared data ports are aligned on the same level.
- Do not move the FOMA terminals during transmission.
- Do not place any object in between the FOMA terminals or block their infrared data ports during transmission.
- Adjust placement of the FOMA terminals and try again if data transmission was not successful.
- The FOMA terminals may not communicate successfully if they are placed in direct sunlight, directly under a fluorescent light, or close to other infrared equipment.

Notes on data transfer with the cable connection

Note the followings to transfer data with the cable connection:

The following equipment/tools are required:

| Item | Description |
|--------------------------|---|
| Required equipment/tools | <ul style="list-style-type: none"> FOMA USB connection cable (optional) PC with a USB port |
| OS | <ul style="list-style-type: none"> Windows 98, Windows Me, Windows 2000, Windows XP (Each in Japanese) |
| Required software | <ul style="list-style-type: none"> N900G communication setting file |

For system requirements and installation procedures for the data communication software, see to the software's instruction manuals.

"USB mode setting" must be set to "Communication mode" before performing data transfer. For the setting, see "Using the FOMA terminal as a miniSD reader/writer" (p.457).



- Make sure that FOMA terminal and PC are connected to one another properly. If not, you may not only fail to exchange data but also lose it.
- If your FOMA terminal is out of battery or the battery level is very low, you may not only fail to exchange data but also lose it. Make sure that your FOMA terminal has sufficient battery power. Moreover, check the power source of the PC.
- If an error occurs during transmission of all data from a PC to a FOMA terminal, you may lose all transmitting data contained in the FOMA terminal. Make sure to check cable connections, battery level of FOMA terminal and power source for PC beforehand.

Notes on data transfer

Data transfer or data entry are not possible under the following circumstances:

- The data transfer function of infrared exchange and cable connection of FOMA terminal conforms to IrMC1.1 standard, and may not be compatible with terminals that do not conform to IrMC1.1. Some types of data may not be exchanged with other IrMC1.1-compliant devices.
- While using voice calls, videophone calls, i-mode or packet transmissions, infrared exchange is not available. → p.350
- This data transfer does not support multi-task function. All other functions must be turned off when you transfer data.
- Data cannot be transferred using "Ir Exchange Function" during "PIM lock", "All lock" or "Set mode".
- Phonebooks and SMS stored in the FOMA card cannot be exchanged.
- In the following situations, a message appears notifying you that received single data cannot be stored.
 - Bookmark for the same URL is received.
 - A melody in SMF format exceeding 40 KB is received.
 - A melody in MFI format exceeding 30 KB is received.
 - A JPEG image larger than 1616 dots (width) x 1212 dots (height) or a GIF image larger than 640 (width) x 480 (height) is received.
 - A still image exceeding 500 KB* is received.
 - *FA still image exceeding 535 KB may not be able to be stored.
 - A still image in other than JPEG or GIF format is received.
 - A movie or i-motion exceeding 900 KB is received.
 - Movie in other than MP4 format is received.
 - Schedule data with the same date and time and with the same repeat setting (on/off) is received.
 - Schedule or ToDo data is received when Set local time is not set.

- When you received the same type of single data in the following situations (full of data), a message appears notifying you that received data cannot be stored.
 - There are 700 names, phone numbers or mail addresses already stored, or more at data reception.
 - There are 100 Schedule already stored.
 - There are 100 ToDo already stored.
 - There are 10 Text memo already stored.
 - There are 100 Bookmark already stored.
 - There are 10 Draft mail already stored.
 - There are full of unread and protected mail in Received mail. (Amount of data involved determines the maximum number.)
 - There are full of still images. (Amount of data involved determines the maximum number.)
 - There are full of movies or i-motions. (Amount of data involved determines the maximum number.)
 - There are full of Melody. (Amount of data involved determines the maximum number.)

During data transfer, you cannot conduct the following operations:

During data exchange, other communications such as voice calls, videophone calls, i-mode, i-mode mail or packet transmissions are not available. If you receive a call right after you start data transfer, the data transfer ceases.

You cannot use the other functions during data transfer.

Note the followings when transferring data:

<Infrared exchange>

- Communication is terminated during infrared exchange and a message appears asking if you want to continue when:
 - No data is received on receiving and for approximately 30 seconds.
 - Sending device is unable to recognize receiving device.
- Select "YES" to try again. To stop communication, select "NO". If you do not respond within approximately 30 seconds, infrared exchange will end automatically.
- Depending on the status of the other party's FOMA terminal, you may see messages such as "Authentication failed", "Receiver's data is full" or "Receiver cannot store data". You cannot send data if one of these messages is displayed.
- "PA" may remain displayed for a while after data transfer is complete.

<Cable connection>

- "PA" may remain displayed for a while after data transfer is complete.
- Transferring still images, melodies, movies and i-motion is not up to OBEX standard. If you want to transfer such files, you will need data exchange software for FOMA terminal (only for FOMA N900G).

Also note the following points:

- Transfer may take some time depending on the amount of data to be exchanged.
- Once you send protected sent/received mail, the protection will be deactivated at the destination and the mail will be stored as regular data. When you send i-motion mail (the i-motion has not been captured) or mail to which i-cppd startup is pasted, the pasted data will be deleted. If mail has files attached and those files are "Restricted", the file data will also be deleted. Some still images may be deleted depending on format. Photos (still images) and movies taken by the built-in camera, data received by cable connection and data imported from miniSD memory card attached to sent mail or draft mail will be sent even if the files are "Restricted".
- When exchanging received mail or bookmarks, the folder setting may not be in effect depending on the other party's terminal.
- If the Inbox folder has no available capacity, mail in the Trash box folder will be deleted so that the received data is stored in the Inbox folder. If the size of this mail is larger than the available space, the oldest unprotected read mail is overwritten.
- Sent mail overwrites the oldest unprotected sent mail in the Outbox folder.
- Deco-mail may not be registered properly on the recipient's terminal if not supported.
- The Inbox folder of mail-connected i-cppd cannot be transferred. All mail in the folder will be stored in the Inbox folder.
- When all still images or movies are received, the stored information of the still images or movies for the Phonebook will be deleted, but data in the Image viewer and Movie player are not deleted.

- You cannot forward frame data and Flash Images.
- Melodies, images, movies and i-motions with FOMA card operational restrictions set cannot be sent. →p.XXX
- All received pictures (still images), movies, i-motion and melodies are stored in the Inbox folder.
- Received bookmark data will be stored in the "Bookmark" folder.
- Received "Original tone" is stored in the lowest number.

Notes on transferring the Phonebook data

- Data you can transfer are names, furigana (reading), phone number(s), mail address(es), zip code(s), postal address(es), memo, still images, movies and icon information.
- You cannot transfer the secret code of the Phonebook entries.
- Phonebook data cannot be received when "Restrict dialing" is active. However, Phonebook data and "Own number" data can be sent even if "Restrict dialing" is active for these data.
- If you receive all Phonebook entries, your personal data (except the phone number) stored in "Own number" are overwritten.
- If you send multiple Phonebook data in a batch, "Own number" data are sent with Phonebook.
- Received "Own number" data is stored in the Phonebook.
- When you send all Phonebook data, the data are sent in the order of memory number.
- When you receive 1 Phonebook entry (from PC to FOMA terminal), the data is stored in the lowest available memory numbers between "010" and "699". If data is already stored for all the numbers between "010" and "699", the Phonebook data are stored in the lowest available numbers between "000" and "009" used for "Two-touch dialing" (p.XXX).
- Phonebook as secret data stored in "Secret mode" (p.201) or "Secret only mode" (p.201) are sent and received, canceling "Secret mode" or "Secret only mode".
- If a Phonebook entry contains more than 1 phone number or mail address, all data is exchanged.
- When all Phonebook data are received, images and movies with data volumes larger than the maximum saving capacity will not be saved since images are additionally saved in the "Image" and movies are additionally saved in the "i Motion".
- Transferring Phonebook data may take an extended amount of time because still images and movies recorded in the Phonebook are also forwarded. To avoid this, set "Forwarding image" (p.351) to "OFF" to prevent still images or movies from being forwarded.

Transferring Individual Data Items

You can transfer individual data items between your FOMA terminal and a PC or another FOMA terminal.

- You cannot send data one by one from FOMA terminal to a PC with the cable connection.



Receiving Individual Data Items via Infrared exchange

You can only receive single data at one time.

- You can receive and use data started by using Ir+ppb →p.XXX

1 Select  (Menu) ►  ► "Ir exchange".

2 Select "Receive".

Receive mode is on.
To cancel receiving data
Press  or .

3 Send the data from the sender's FOMA terminal.

Sending data →p.344
Data reception begins.

If destination is not FOMA terminal
Bar signal that indicates communication status may not be displayed.
If no action is taken for 30 seconds after the transmission is completed
The received data is deleted.

4 Select "YES".

After receipt of data, a message appears to inform you that the received data has been stored.
To select not to store received data
Select "NO".

Sending Individual Data Items via Infrared exchange

You can only send single data at one time.

1 Display the data that you want to send.

2 Select "Ir exchange" from the function menu.

3 Select "YES" to send data.

Set the other party's terminal to receive mode. →p.343
Data transmission begins.
If the transmission is successful, a message appears to inform you that the exchange is complete.
To cancel the transmission
Select "NO".

Receiving Individual Data Items via cable connection

Data transmission operation procedures vary depending on the data exchange software program you are using. See the instruction manual for the software program.

1 Use the data exchange software program on the PC to "1-data write".

For data transmission procedures, see the instruction manual for the data exchange software program.

2 Send data.



Indicator display may become very slow depending on the amount of data to be transmitted.
A message asking you whether to store the data in the Phonebook appears.

3 Select "YES".



If the transmission is successful, a message appears to inform you that the exchange is completed.
If, after the transmission is completed, no action is taken for 30 seconds on the screen shown on the left, received data will be deleted and the screen displayed will terminate.

Transferring Data in Batch

You can transfer multiple data in batch between your FOMA terminal and a PC or another FOMA terminal.

- If you receive all data, all data you have stored in your terminal including protected mails and secret data are overwritten. Frames and Flash images will not be deleted. Before receiving all data, ensure that your stored data does not include any important information that you want to retain.
- Your session number is used to ensure that the receiving and sending FOMA terminals are accurately recognized for data transfer in a batch. Set your own choice of 4-digit password before you start sending or receiving data and then enter the same number on the receiving and sending FOMA terminals.
- The communication indicator only shows the approximate data amount that has been transmitted. Indicator display may become very slow depending on the amount of data to be transmitted and the indicator on the receiving terminal may not reflect the same.

Transferring data in batch via infrared exchange

- 1 Select (Menu) ► ► "Ir exchange".
- 2 Select "Data exchange" to prepare for receiving data.
- 3 Enter the security code.
The entered security code appears as underscores "_".
About security codes → p.21
- 4 Select an item you want to set.
To send data
Select "Send" and select the data you want to send in a batch.
To receive data
Select "Receive".
- 5 Enter the session number and press (Set).
The entered session number appears as underscores "_".
About session number → above
To send data
Select "Yes".
To receive data
Select "YES" and then perform the operation for sending all data on the sender's FOMA terminal.
If the transfer is completed successfully, a message appears to inform you that the transfer is complete.

Transferring data in batch via cable connection

Data transfer operation procedures vary depending on the data exchange software program you are using. See the instruction manual for the software program.

<Example: To send all data from a FOMA terminal to PC>

- 1 Send a data (send all data).
For data transmission procedures, see the instruction manual for the data exchange software program.
You need to enter a session number in the PC.
The session number must be a 4-digit number.

- 2 Enter your security code to FOMA terminal.

The entered security code appears as underscores "_".
About security codes → p.21

- 3 Enter the session number to FOMA terminal.

The entered session number appears as underscores "_".
About session number → p.247

- 4 Send data.

If the transmission is successful, a message appears to inform you that the exchange is complete.

- The following data cannot be registered
 - ▶ still image that exceeds 600KB (A still image that exceeds 596KB may not be registered.)
 - ▶ A movie that exceeds 600KB
- Communication status (indicator bar) may not be displayed depending on the destination device.

Ir remote control function

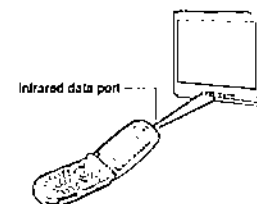
Using Infrared Remote Control Function

You can download i-ccppli software for remote control and use your FOMA terminal as a remote controller for TV or VCR system.

- You need to download the program for the product you want to control. Note that there may be no program available for your product and that remote control operation may not be possible even with the correct program if your product is not compatible.
- You can download remote control software for FOMA terminal from the sites listed on the screen.
- If you are selecting "Self mode" (p.207), you can not use the remote control function.

Remote control operation

- Hold your FOMA terminal with the infrared port facing towards the infrared receiver of the target device.
Operable range is approximately 4 meters. This range may vary depending on the ambient light.
- will appear during remote control operation.

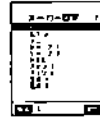


To use as TV remote control [p.3]

FOMA terminal has built-in TV remote control software programs.

- "TVリモコン (TV remote control) [TV]" contains 20 types of remote control programs. Select a program for your television set. Programs for some television sets may not be available.
- Even if there is a program for the make of your TV, it may not apply to certain models or certain functions.
- The following remote control programs are contained in "TVリモコン (TV remote control) [TV]":

| | | | |
|-------------------|--------------|-------------|-----------|
| • Panasonic 1/2 | • Sony | • Sharp 1/2 | • NEC |
| • Aiwa 1/2 | • Sanyo 1/2 | • Pioneer | • JVC 1/2 |
| • Funai 1/2/3 | • Mitsubishi | • Toshiba | • Hitachi |
| • Fujitsu General | | | |

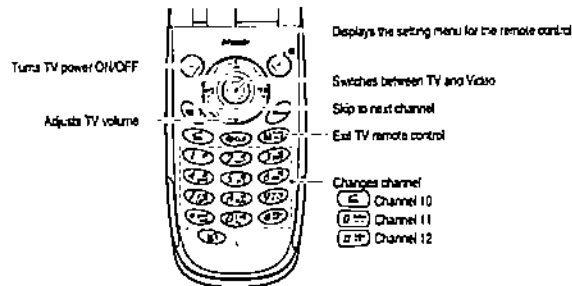


- 1 Select [Menu] ► [TV] ► "Software list".
- 2 Select "TVリモコン (TV remote control) [TV]" and press [Select].



When you indicate the remote control for the first time or you change your TV set, select the TV manufacturer (remote control data).

- 3 Use as a TV remote control.



To select TV manufacturer and change remote control [p.3] design

You can select remote control data for your TV or change the TV remote control to your favorite design.

- 1 Startup "TVリモコン (TV remote control) [TV]" and press [設定 (Setting)].

To select remote control data

Select "メーカー設定 (TV manufacturer)" and press [Select]. Then, select remote control data and press [Select].

To change the TV remote control design

Select "デザイン設定 (Change design)" and press [Select]. Then, select design and press [Select].

To return to the remote control screen

Press [Return].

Forwarding image

Preventing Phonebook Images from Forwarding

Default setting ON

You can prevent still images that are stored in the Phonebook from being forwarded using "Data Transfer with Infrared Exchange/Cable Connection" (p.XXX) or export or Import to a miniSD memory card (p.XXX).

- Transferring Phonebook entries using "Ir Exchange Function" or "Data Transmission (OBEX) Function" may take an extended amount of time because still images and movies recorded in the Phonebook are also forwarded. To avoid this, deactivate "Forwarding image" to prevent still images and movies from being forwarded.

- 1 Select [Menu] ► [E].
- 2 Select "Forwarding image".

If you select "ON"

All data stored in the Phonebook are transferred with infrared exchange or cable connection.

If you select "OFF"

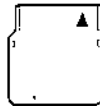
All data stored in the Phonebook except still image data are transferred with infrared exchange or cable connection.

About a miniSD Memory Card

You can use a "miniSD memory card", which is a further miniaturized version of the SD card as external memory, by inserting it in your FOMA terminal. Loading a miniSD memory card into a miniSD memory card adapter allows you to use it on the PC compatible with the SD card.

- You can export/import or replace data such as still images and movies taken by FOMA terminal, Phonebook data, mail and bookmarks between miniSD memory card and FOMA terminal. You can also display or play still images and movies stored on your miniSD memory card on FOMA terminal.
- You cannot set an image or movie that is stored in the miniSD memory card as an image or movie to be displayed on the screen of your FOMA terminal. Before performing this setting, import the image or movie to your FOMA terminal.
- "E" is display, when a miniSD memory card is loaded.
- When data in a miniSD memory card is operated or the data is exported or imported, the charge lamp lights in green (Color 5). If the power is turned on with a miniSD memory card inserted, or a miniSD memory card is inserted during charging of a terminal with the power off, the charge lamp flashes in green (Color 5).
- miniSD memory cards and miniSD memory card adapters are available for purchase at home electric appliance stores and other stores. FOMA terminal supports miniSD memory cards up to 64 MB. (as of xxx2004)
- The miniSD memory card (16MB) and miniSD memory card adapter are samples and as such are not eligible for free repair service.

miniSD memory card



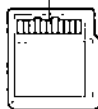
Handling and care

⚠ Please format miniSD memory cards on the FOMA terminal for which you will be using them. miniSD memory cards formatted on other devices may not be compatible. — p.375

Please take note the following precautions:

- It is recommended that you back up data saved in a miniSD memory card to another miniSD memory card or PC. DoCoMo shall not be liable for any loss of data due to damage to the miniSD memory card or for any other reason.
- Make sure that the FOMA terminal is turned off when you install/remove miniSD memory cards.
- Insert the miniSD memory card into the FOMA terminal correctly. Otherwise, you cannot use it.
- miniSD memory card needs to be formatted before use. You cannot export data from FOMA terminal without first formatting the card.
- Do not touch, moisten or soil any of the connection surfaces for the miniSD memory card.

Terminal

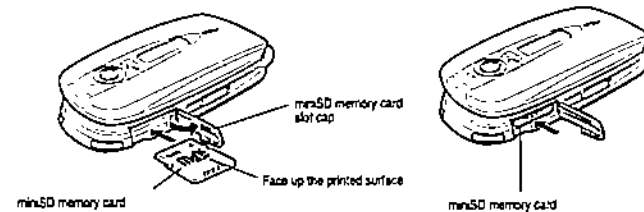


- Do not bend or fold miniSD memory card.
- Do not remove the miniSD memory card from your FOMA terminal, turn off the terminal, or remove the battery pack when performing operations such as the following:
 - Formatting the miniSD memory card
 - Exporting or importing data
 - Sneezing in the Long duration mode (p. XXX)
 - Using a FOMA terminal as a miniSD reader/writer
- The miniSD memory card may not be used if the battery power of your FOMA terminal is insufficient.
- Use the supplied soft case for carrying miniSD memory cards.
- A miniSD memory card may feel warm when it is removed after being used for a long period of time. This is normal and does not indicate a problem.
- Avoid using or storing a miniSD memory card in locations likely to be subject to strong static electricity or electrical noise.

How to Insert/remove the miniSD memory card

Make sure that the FOMA terminal is turned off when removing the miniSD memory card. Do not force miniSD memory card into or pull the card out of the slot.

■ Inserting the miniSD memory card

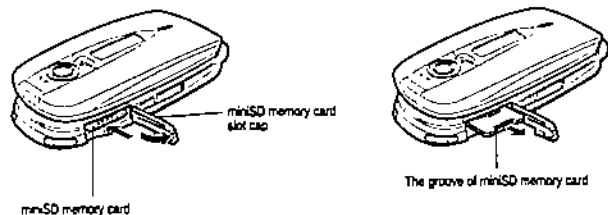


- 1 Open the miniSD memory card slot cap.
- 2 Insert a miniSD memory card to the slot to the lock position.
Insert slowly with printed surface of the miniSD memory card face up. The card will lock if it is placed in the correct position.
- 3 Close the miniSD memory card slot cover.
Once the miniSD memory card is in your terminal, "E" appears on your screen when the power is turned on.



- If the miniSD memory card has defects or is not correctly formatted, "E" will appear.

■ Removing the miniSD memory card



1 Open the miniSD memory card slot cap.

2 Push the card in slightly.

Push the card and then release. Part of the card will be exposed. Bear in mind that the miniSD memory card may be sprung out from the slot at this time.

3 Pull the miniSD memory card out slowly.

Hold the card by the groove and pull it out straight.

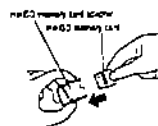
4 Close the miniSD memory card slot cap.

Loading a miniSD memory card into a miniSD card adapter

When you use a miniSD memory card with SD card-compatible PC, load the card in a miniSD memory card adapter.

To load

Make sure to hold a miniSD memory card and a miniSD memory card adapter with their printed surface up and insert the card into the adapter as far as it will go.



To remove

Hold the groove of the miniSD memory card and pull out.



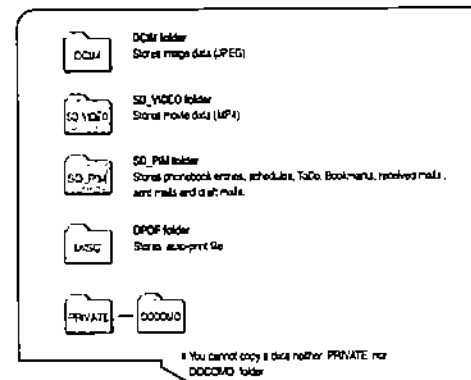
- When handling the miniSD memory card adapter, hold it by both sides. Gripping the miniSD memory card adapter by the printed surface section could result in damage.
- Do not insert the miniSD memory card adapter into an SD card-compatible device when there is no miniSD memory card in the adapter as this could cause problems in the device.
- When inserting the miniSD memory card adapter into an SD card-compatible device, check that the adapter is inserted in the correct direction.
- Do not insert anything other than a miniSD memory card into the miniSD memory card adapter as this could result in faults or damage to the adapter.

- When handling the miniSD memory card adapter, hold it by both sides. Gripping the miniSD memory card adapter by the printed surface section could result in damage.
- Do not insert the miniSD memory card adapter into an SD card-compatible device when there is no miniSD memory card in the adapter as this could cause problems in the device.
- When inserting the miniSD memory card adapter into an SD card-compatible device, check that the adapter is inserted in the correct direction.
- Do not insert anything other than a miniSD memory card into the miniSD memory card adapter as this could result in faults or damage to the adapter.
- Do not twist or bend the miniSD memory card adapter as this will damage the adapter.

Folder of a miniSD memory card

Folder structure

A miniSD memory card has the following folders each used for storing different types of data:



- When you save data from a PC to a miniSD memory card, save the data in the appropriate folder for the data type. You can save data of different types in other folders, but the FOMA terminal will not recognize the different data type and will not display the data. Also, if you delete or move these folders to another folder, the confirmation message appears asking if you want to format the memory card when you insert the card into FOMA terminal. Formatting the memory card deletes all data stored in it. If you do not format the memory card, you can display data stored in the folders that have not been deleted or moved. For example, if you delete DCIM folder, you can still display data stored in SD_VIDEO and SD_PIM folders.

Creating folders

"File" refers to 1 item of data or multiple items of data that can be stored as a single grouping. If you copy a file to miniSD memory card, a subfolder to store the file will be selected automatically according to data type. The subfolder name and file name will also be chosen automatically. Files stored in each subfolder are as follows:

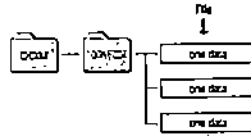
DCIM folder

This folder will be created automatically when you copy a still image for the first time. Data will be saved in a subfolder within this folder.

Single still image data creates 1 file.

Folder names and file names will be as follows:

- Folder name : nnnNECDT (nnn=100-999)
- File name : NEC_mmmmm (mmmmm=0001-9999)



Notes

- Use half-pace alphanumeric characters like "NEC_mmmmm" for naming a file to be saved in a miniSD memory card using a machine such as PC. Other alphanumeric characters can be used instead of "NEC". Other name formats cannot be recognized and displayed in a FOMA terminal.
- If multiple still images, all of which have the same file name "mmmmm", are saved in the same folder, the title "mmmmm" of the list display appears, and the files can simply be copied, moved and deleted. If the data is copied or moved to another folder, it can be renamed automatically. You can display the images or edit the titles.

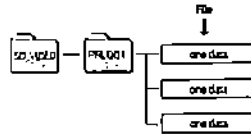
SD_VIDEO folder

This folder will be created automatically when you copy a movie for the first time. Data will be saved in PRL001 subfolder within this folder.

Single movie data creates 1 file.

Folder names and file names will be as follows:

- Folder name : PRLxxx (xxx=001-FFF; hexadecimal number)
- File name : MQLxxx (xxx=001-FFF; hexadecimal number)



- Use half-pace alphanumeric characters like "MQLxxx" for naming a file to be saved in a miniSD memory card using a machine such as PC. Other name formats cannot be recognized and displayed in a FOMA terminal.

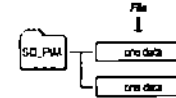
SD_PIM folder

Either single data or all data will be saved as 1 file.

For example, when you copy all received mail, all received mail messages will be saved in a singular file created.

File names will be as follows:

- File name : PIMnnnnn (nnnnn=00001-65535)



Number of Items that can be stored on a miniSD memory card

The amount of data that you can store in a miniSD memory card depends on the memory space for the card you use. The following chart shows the maximum number of files you can store in a subfolder and the maximum number of subfolders you can add. Adding subfolders and exporting data into different subfolders will give you more spaces to store files. However, the file capacity varies depending on the amount of data contained in the file.

| Folder name | Max. No. of folders | Max. No. of files saved per folder |
|-------------|---------------------|------------------------------------|
| DCIM | 900 | 9,999 |
| SD_VIDEO | 4,095 | 4,095 |
| SD_PIM | 1 | 65,535 |

The memory capacity and unused memory of miniSD memory card can be checked by "Checking information contained in miniSD memory card" (p.375). Actual memory is less than indicated on the miniSD memory card label.

- If you do not have enough available memory on the miniSD memory card, and try to export the Phonebook, Schedule, ToDo, Text memo, Mail, Bookmark, a message appears to inform you that exporting is not possible due to the lack of memory. In addition, if a still image and movie are exported, "Export" of the function menu will be displayed in grey. Replace the miniSD memory card or delete unnecessary data before you export.
- If the number of files in the destination folder has reached the maximum limit, a message appears to inform you of this. You will be able to export data onto that miniSD memory card.
- When the miniSD memory card is full, you cannot add folders, edit titles or do copying or moving for still images or movies. Delete unnecessary data before performing such operations.

Data that can be copied between a FOMA terminal and miniSD memory card

The following types of data can be copied between a FOMA terminal and miniSD memory card:

- Still image
- Schedule
- Received mail
- SMS
- Movie
- To Do
- Sent mail
- Bookmark
- Phonebook
- Text memo
- Draft mail

● The data contents that can be copied are listed below.

| | Data |
|---|---|
| Still image | JPEG data in the Inbox folder, Camera folder, miniSD folder, User composed folder |
| Movie | MPEG data in the Inbox folder, Camera folder, miniSD folder, User composed folder |
| Phonebook | Name, Name (reading), Phone number(s), Mail address(es), Memo, Image, Move, Memory No, Secret properties ¹⁾ **, Group numbers ¹⁾ *, Group names ¹⁾ * |
| Schedule | Data (from), Data (to), Schedule, Category, Alarm, Repeat, Secret properties ¹⁾ ** |
| To Do | To Do text, Category, Complete date, Due date, Status, Priority, Alarm |
| Text memo | Main data, Last modify date, Category, Text |
| Received mail, Sent mail, Draft mail, SMS | Read/Unread, Message type, Message box, Sender, Receiver, Subject, Date/Time, Message, Attached data |
| Bookmark | URL, Title |

- 1) Only "Export all", "Import & add all" and "Import & overwrite" are available for copying this type of data.
 2) The secret properties are the data registered as the Secret mode.

- The titles of still images or movies imported from miniSD memory card to FOMA terminal will be displayed under titles defined within SD card.
- Since still image data will be converted or compressed if required when exported/imported, file sizes may change and image quality may be degraded.
- Some still images larger than 640 dots wide x 480 dots high may be reduced to 640 dots wide x 480 dots high.
- Still images larger than 1616 dots wide X 1212 dots high and still images with data volume larger than 600KB cannot be imported. Moreover, depending on the still image, some may not be saved when exceeding 598 KB.
- If "Forwarding image" (p. 351) is "OFF", still images and movies registered in your FOMA terminal will not be exported when the phonebook data will be exported.
- No secret code of the phonebook can be exported/imported.
- Since the FOMA terminal does not support speed dial, the speed dial data will not be displayed.
- Set "Secret store" to "OFF" for "Export only" of Phonebook or Schedule data.
- When all Phonebook data are exported, "Own number" data are also exported as a Phonebook.
- If one received user mail is exported or imported, the protection setting is cancelled.
- The following types of mail are exported without setting of melody, i-motion or i-ruppi startup.
 - Mail to which a melody with the file restriction is attached or pasted (except data received using infrared exchange or cable connection (OBEX), or data imported from a miniSD memory card)
 - i-motion mad with an i-motion that has not been downloaded
 - Mail with the setting of i-ruppi startup

Copying Data in a FOMA Terminal to a miniSD Memory Card

You can export data between your FOMA terminal and a miniSD memory card.

- The operation to copy data from a FOMA terminal to the miniSD memory card is called "export".
- There are two ways of exporting data, "Export one" and "Export all".

| | Description | See page |
|------------|---|----------|
| Export one | Saves selected single data in a miniSD memory card. | p.397 |
| Export all | Saves all selected data in a miniSD memory card. | p.369 |

- Transmission time will depend on the amount of data to be exported.
- While exporting data, other communications such as voice calls, videophone calls, i-mode, i-mode mail and packet transmissions are not available.
- Do not remove miniSD memory card until exporting is complete.
- When an export is stopped by pressing (Select) or (MEX), some data may be stored in a miniSD memory card or FOMA terminal.
- If the same data as data that already exists is exported, the data is saved as different data without overwriting the old data.
- The miniSD memory card may not be used if the battery power of your FOMA terminal is insufficient. If an alarm sounds to notify you that the battery is running out during export or import, the operation stops.

Exporting single data from FOMA terminal to miniSD memory card

To export a movie or still image data

- You can export data from the Inbox folder, a camera folder or a user-defined folder.

<Example: To export a still image of "Image">

1 Select (Menu) ► ► "Image".

About "Image" → p.294

2 Select "Camera".

3 Select the file that you want to export.

To check the file contents
Press (OK) to display the contents of the file.

4 Select "Export" from the function menu.

An image file in the camera folder is exported to a miniSD memory card.
If exported destination folder already has maximum number of files stored, a new folder will be created automatically and will be stored in that folder.

To export data for a Phonebook, Schedule, ToDo, mail, Text memo or Bookmark

<Example: To export data for a Phonebook data>

1 Select (Menu) ► .

2 Select the Phonebook you want to export.

- To export schedule data
Check the Schedule. →p.218
- To export ToDo data
Check ToDo data. →p.226
- To export Received mail, Sent mail and Draft mail
Mail functions →p.134
- To export Text memo data
Text memo →p.234
- To export Bookmark data
Register a site or Web page. →p.54

3 Select "Export one" from the function menu.

4 Select "YES".

- Data will be exported.
- To cancel "Export one"
Select "No" and press [Select].

Exporting data from FOMA terminal to miniSD memory card

You cannot export data for still images or movies in a batch.

<Example: To export all Phonebook in a batch>

1 Select (Menu) ► ► "SD-PIM".

2 Highlight "Phonebook" and select "Export" from the function menu.

- To export all Schedules, ToDo
Highlight "Schedule" and select "Export" from the function menu.
- To export all Inbox, Outbox or Draft mail
Highlight "Inbox", "Outbox" or "Draft" and select "Export" from the function menu.
- To export all Text memo data
Highlight "Text memo" and select "Export" from the function menu.
- To export all Bookmark data
Highlight "Bookmark" and select "Export" from the function menu.

3 Enter the security code.

- Enter your security code (p.21) and press [Set].
- The entered security code appears as underscores "_".

4 Select "YES".

- Data will be exported.
- To cancel "Export"
Select "NO" and press [Select].

Previewing Data Stored in a miniSD Memory Card

You can display and check the data stored in a miniSD memory card.

Still image or movie data

<Example: To display movie data of "i Motion" stored in a miniSD memory card>

1 Select (Menu) ► ► "i Motion".

About "i Motion" →p.308

2 Select "miniSD".

3 Select the folder with the data you want to display.

4 Select the data you want to display.

5 Press [Play].



The file contents will be played.

Phonebook, Schedule, ToDo, Mail, Text memo or Bookmark data

<Example: To display text memo data>

1 Select (Menu) ► ► "SD-PIM".

2 Select "Text memo".

- To display Phonebook data
Select "Phonebook".
- To display Schedule, ToDo data
Select "Schedule".
- To display Inbox, Outbox or Draft data
Select "Inbox", "Outbox" or "Draft".
- To display Bookmark data
Select "Bookmark".

3 Select data you want to display.

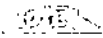


Copying/Moving Data in a miniSD Memory Card to a FOMA Terminal

You can import data stored in a miniSD memory card to a FOMA terminal.

- The operation to copy data from a miniSD memory card to a FOMA terminal is called "import".
- The ways of importing data are as follows:

| | Description | See page |
|---------------------------------------|---|----------|
| Import one | Transfers single data stored in a miniSD memory card to a FOMA terminal. | p.372 |
| Import & add all, Import & add | Saves all data in a specific file stored in a miniSD memory card or a FOMA terminal. | p.372 |
| Import & overwrite, Import & OVer all | Deletes data stored in a FOMA terminal and registers all data in a specific file stored in the FOMA terminal. | p.373 |



- Transmission time will depend on the amount of data to be imported.
- While importing data, other communications such as voice calls, videophone calls, r-mode, r-mode mail and packet transmissions are not available.
- Do not remove miniSD memory card until importing is complete.
- When an import is stopped by pressing (Select) or (Exit), some data may be stored in a miniSD memory card or FOMA terminal.
- If the same data as data that already exists is imported, the data is saved as different data without overwriting the old data.
- The miniSD memory card may not be used if the battery power of your FOMA terminal is insufficient. If an alarm sounds to notify you that the battery is running out during export or import, the operation stops.

To Import data from miniSD memory card to FOMA terminal

You can import data stored in a miniSD memory card to a FOMA terminal. You cannot import data for still images or movies in a batch.

- MP4 data that exceeds 800 KB is reformatted to 800 KB or smaller. A message appears to inform you it will take a while to import such data. For movie data with a ticker, the ticker is deleted and only the movie data is imported.

■ Still image and movie data

<Example: To Import single data for a still image in the "Image">

- 1 Select (Menu) ► ► "Image".
About "Image" → p.294
- 2 Select "miniSD".
- 3 Select the folder with the file you want to import.
- 4 Select the file you want to copy.
To view the file contents
Press (Play).
- 5 Select "Import" from the function menu.

An image file in the miniSD memory card will be copied to a FOMA terminal.
An image file that does not have a title will be indicated by date/time (YY-MM-DD-HH:MM:SS). A movie file with no title will be displayed with its file name.

■ Phonebook, Schedule, ToDo, mail, Text memo or Bookmark data

<Example: To Import single schedule data>

- 1 Select (Menu) ► ► "SD-PIM".
- 2 Select "Schedule".
- 3 Select data you want to import.
- 4 Select "Import & add one" from the function menu.
To import multiple files in a batch
Select "Import & add all" and press (Select).
Then enter your security code (p.21) and press (Set).
- 5 Select "YES".

Data will be imported.
Once the amount of data reaches the capacity limit of the FOMA terminal, importing ceases. The data that has already imported is stored in the FOMA terminal.

To cancel "Import & add"
Select "NO" and press (Select).

Importing and overwriting data in FOMA terminal by data in miniSD memory card

You can overwrite selected data stored in a FOMA terminal with data that is contained on a miniSD memory card. Once overwritten, the original data is lost. Before overwriting, ensure that your stored data does not include any important information that you want to retain.

You cannot overwrite still images or movie data.

- The Phonebook data cannot be overwritten and imported when "Restrict dialing" or "Keypad dial lock" is set.
- All data with "Call rejection" or "Call acceptance" set are overwritten.
- When the data of the FOMA terminal is full while you are overwriting, a message saying that you cannot import data appears. Only the data which have been loaded before the message appears is overwritten.

<Example: To overwrite Phonebook data>

- 1 Select (Menu) ► ► "SD-PIM".
- 2 Select "Phonebook".
- 3 Select "Import&overwrite" from the function menu.
- 4 Enter the security code.
Enter your security code (p.21) and press (Set).
- 5 Select "YES".
Data will be imported.
To cancel "Import&overwrite"
Select "NO" and press (Select).

Managing the miniSD Memory Card

You can specify images in the miniSD memory card for printing, delete data, check the data information, format the miniSD memory card and check for memory card failure.

Making the print setting <DPOF setting>

If you pre-select information for printing such as designating images contained on the miniSD memory card and specifying how many you want to print, they can be printed on a printer or at a print shop compatible with DPOF (Digital Print Order Format).

● This setting cannot be made when the free space in the miniSD memory card is insufficient.

- 1 Select (Menu) ► ► "Image".
About "Image" → p.303
- 2 Select "miniSD".
- 3 Select the folder that contains the image for which you want to perform the DPOF setting.
- 4 Highlight the image for which you want to perform the DPOF setting and select "DPOF setting" from the function menu.
- 5 Select "Print setting".
To cancel the DPOF setting
Select "Release".
To cancel the DPOF setting for all images
Select "All release".
- 6 Set the number of copies you want to print between 1 to 99.

Deleting data

You can delete files stored on miniSD memory card.

■ Still image and movie data

<Example: To delete movie (s) from "i Motion">

- 1 Select (Menu) ► ► "i Motion" ► "miniSD".
About "i Motion" → p.308
- 2 Select the folder where data to delete is saved, and highlight the data.
- 3 Select "Delete this" from the function menu.
To delete files in a batch
Select "Delete all" and press [Select]. Then enter your security code (p.21) and press [Set].

4 Select "YES".

Data is deleted.

To cancel data deletion
Select "NO" and press [Select].

■ Phonebook, Schedule, ToDo, mail, Text memo and Bookmark data

<Example: To delete bookmark data>

- 1 Select (Menu) ► ► "SD-PIM" ► "Bookmark".
- 2 Select "Delete" from the function menu.
To delete data in a batch
Select "Delete all" and press [Select]. Then enter your security code (p.21) and press [Set].
- 3 Select "YES".
Data is deleted.
To cancel data deletion
Select "NO" and press [Select].

Checking data information

You can check memory capacity and unused memory of a miniSD memory card.

<Example: To check still image information of "Image">

- 1 Select (Menu) ► ► "Image" ► "miniSD".
About "Image" → p.254
- 2 Select the folder containing the information to check.
- 3 Select "Memory info" from the function menu.
Available storage space on your FOMA terminal and used/unused storage capacity in the miniSD memory card will be displayed.

Formatting miniSD memory card

⚠ Please format miniSD memory cards on the FOMA terminal for which you will be using them. miniSD memory cards formatted on other devices may not work well.


You can format a miniSD memory card for use with your FOMA terminal.

- Once you format miniSD memory card, data contained on the card is deleted. Before formatting, ensure that your stored data does not include any important information that you want to retain.
- If the miniSD formatting is executed, all entire data contained on the card is deleted, then setup system areas.
- If overwrite protection is active for the miniSD memory card or the card has defects, you cannot proceed miniSD formatting.

- 1 Select (Menu) ► ► "SD-PIM".


2 Select "miniSD format" from the function menu.

3 Enter the security code.

Enter your security code (p.21) and press  [Set].
The entered security code appears as underscores " _ _".

4 Select "YES".

The miniSD memory card is formatted.
If miniSD formatting is interrupted by pressing  [Exit] or you receive a call,  [Mail] appear.

To cancel "miniSD format"
Select "NO" and press  [Select].

Checking miniSD memory card condition

A power outage during miniSD memory card operations may damage data stored on the card. You can check the memory card condition and restore content.

● If the card has defects, you cannot activate the check disk program.

1 Select  (Menu) ►  ► "SD-PIM".

2 Select "Check miniSD" from the function menu.

3 Select "YES".

Data contained on the miniSD memory card is checked.

To cancel "Check miniSD disk"
Select "NO" and press  [Select].

● Network Service

| | |
|--|-----|
| Available Network Service | 000 |
| Voice Mail Service (Charged) | 000 |
| Call Waiting Service (Charged) | 000 |
| Call Forwarding Service (Free) | 000 |
| Bar Nuisance Call Service (Charged) | 000 |
| Notify Caller ID Service (Free) | 000 |
| Caller ID Request Service (Free) | 000 |
| Dual Network Service (Charged) | 000 |
| English Guidance | 000 |
| Service Dial | 000 |
| Selecting the Way to Handling Incoming Calls During a Call | 000 |
| Setting the Remote Control of Network Service | 000 |
| Storing and Using a New Service | 000 |

Available Network Service

With the FOMA terminal, you can access the useful DoCoMo network services. For the outline of each service and how to access them, see the table below.

| Service name | Description | Subscription | Monthly charge | See page |
|-------------------------------|--|--------------|----------------|----------|
| Voice mail service | Stores messages from callers on your behalf. | Necessary | Charged | p.271 |
| Call waiting service | Receives another incoming call from a third party during a call. | Necessary | Charged | p.278 |
| Call forwarding service | Forwards calls to the specified phone number. | Necessary | Free | p.275 |
| Bar nuisance call service | Automatically blocks nuisance calls or frequent malicious calls. | Necessary | Charged | p.282 |
| Notify caller ID service | Informs of your FOMA terminal's phone number to the called party. | Unnecessary | Free | p.283 |
| Caller ID request service | Responds to calls that do not provide a Caller ID by playing a guidance announcement that requests a Caller ID. | Unnecessary | Free | p.284 |
| Driving mode | Will respond to calls by playing a guidance announcement saying that you cannot answer the call because you are driving. | Unnecessary | Free | p.62 |
| Dual network service | Uses the same phone number for both the FOMA terminal and the mobile phone. | Necessary | Charged | p.285 |
| English guidance | Sets voice guidance for incoming and outgoing calls and network service settings to English. | Unnecessary | Free | p.287 |
| Short Message Service (SMS) | Sends/receives short text messages easily. | Unnecessary | Free | p.134 |
| International roaming service | Sets about operations during International roaming. | XX | XX | p.XX |
| International service | Activates or deactivates the Voice mail service, Call forwarding service and Roaming guidance from another country. | XX | XX | p.XX |
| I-mode | Uses site (program) connection and I-mode mail, etc. | Necessary | Charged | p.24 |

- In case of the network services that require connecting to the network service center, you cannot use these while "XX" is displayed.
- When DoCoMo provides a new network service, you can store the new service into your Menu. → p.293
- Refer to [FOMA Network Services User's Guide] for details.

Voice Mail Service (Charged)

Subscription Necessary Monthly charge Charged

When you are having your FOMA show "XX" or when your FOMA terminal is turned off, this service answers calls with the answer message and stores caller's voice mail messages on your behalf.

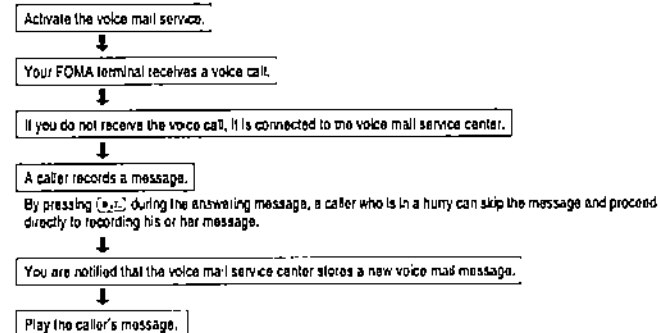
You can access the stored voice mail messages from anywhere in Japan.

- You cannot operate the voice mail service with your FOMA terminal when you are having your FOMA show "XX". If you set the remote operation for this service in "Remote control" (p.292) beforehand, you can remotely control the voice mail service from general push-key (5) phones or pay phones by using the "NV security code" (p.192) when your FOMA terminal is unavailable.
- The voice mail service requires a call charge for playing stored voice mail messages in addition to the monthly charge.

About the voice mail service

- Up to 20 voice mail messages can be recorded, each can be recorded up to about 3 minutes long.
- The voice mail messages are stored for up to 72 hours.
- When you receive a videophone call, even if the voice mail service is set to "Activate", the videophone call cannot be connected to the voice mail service center, while the videophone call is continuing.
- If you set the "Call forwarding" service (p.276) to "Activate", the voice mail service is automatically deactivated.
- When receiving a voice call with no caller ID when the "Caller ID request" service (p.284) is set to "Activate", a guidance requesting the caller to notify his/her caller ID is played. The voice mail messages cannot be stored.

Basic flow of the voice mail service



NOTES

- There is also a guide function just to inform the caller that you are unavailable. Set this function in "Voice mail settings".
- You can make or receive voice calls as usual even when the voice mail service is set to "Activate".
- If you receive a voice call when the voice mail service is set to "Active", the ring tone set in "Select ring tone" sounds. If you answer the call while ringing, you can talk. If you do not answer the call, the call is connected to the voice mail service center. The call is recorded as a "Missed call" in the "Received calls" and the "Missed call" desktop icon appears on the standby display.
- You can also connect a call received during a call to the voice mail service center. →p.291
- Voice calls from the phone numbers specified in the "Restrictions" (p.141) can automatically be connected to the voice mail service center regardless of the voice mail service settings.

Activating the voice mail service

1 Select  (Menu) ►  ► "Voice mail".

2 Select "Activate".

A message is displayed asking you whether to activate the Voice mail service.
To change the ringing time only
Select "Set ringing time".
To stop the voice mail service
Select "Deactivate".

3 Select "YES".

Not to start the voice mail service
Select "NO".

4 Enter the ringing time (000 to 120 seconds).

If "0 second" is set, calls are not recorded in the "Received calls".
If you enter a value outside the range of 000 to 120, a message indicating you that the value is unacceptable appears.

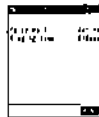
Checking the voice mail service settings

You can check the settings for the voice mail service by Inquiring at the voice mail service center. While checking, you can also change the settings.

1 Select  (Menu) ►  ► "Voice mail".

2 Select "Check setting".

3 Check the settings.



The current settings for the voice mail service appear.
To start the voice mail service
Select "Activate" from the function menu.
To stop the voice mail service
Select "Deactivate" from the function menu.
To change the ringing time
Select "Set ringing time" from the function menu.

Changing the voice mail service settings with the voice guidance

According to the voice guidance, you can play stored messages or change the settings for a function informing that you are unavailable and an answer message.







- You cannot use the voice guidance during a call.

1 Select  (Menu) ►  ► "Voice mail".

2 Select "Voice mail settings".

You are connected to the voice mail service center.
Once connected, change the settings according to the voice guidance.

NOTES

- If you operate keys  (Call),  (End),  (Call),  (Call) according to the voice guidance, the call may not end by pressing  (Call). In this case, press  (Call) again.

Setting a ring tone to alert you of a new voice mail message <Notify tone message>

You can set your FOMA terminal to alert you when a new voice mail message is stored in the voice mail service center by a ring tone.

- The ring tone set for "Mail" in "Select ring tone" sounds for about 5 seconds when a new voice mail message is stored.

1 Select  (Menu) ►  ► "Voice mail".

2 Select "Notify tone message".








NOTES

- The ring tone which you set for "Mail" of the "Select ring tone" also sounds even when the number of voice mail messages increased by inquiring with the voice mail service center.

Checks whether voice mail messages are stored <Check messages>

You can check whether voice mail messages are stored in the voice mail service center.

1 Select  (Menu) ►  ► "Check messages".

After checking, a message notifying you that inquiring is completed appears. When a new voice mail is stored at the voice mail service center, you will see on your standby display  (Voice mail icon) and  (desktop icon for "Voice mail"). New voice mail icon is different depending on the number of voice mail stored, , , , ,  (10 or more).

NOTES

- Displayed numbers are the count of new voice mail messages to be played. The stored messages are not included.
- When there is no voice mail message, both the voice mail icon and "Voice mail" desktop icon are not displayed.
- The voice mail icon remains displayed until you call the voice mail service center to delete the message, or if it automatically deleted after the maximum storage period (72 hours) has elapsed.
- Note that adverse reception conditions may result in the call being disconnected or that your inquiry fails.
- The voice mail messages recorded after checking messages may not be confirmed with this setting.

Playing voice mail message

- You cannot play a voice mail message during a call.

1 Select (Menu) ► ► "Voice mail".

2 Select "Play messages".

You are connected to the voice mail service center.
Once connected, play voice mail messages according to the voice guidance.



- If you operate keys (to , ,) according to the voice guidance, the call may not end by pressing . In this case, press again.

Deleting the voice mail icon

You can delete "☎" (Voice mail icon) displayed on the standby display.

1 Select (Menu) ► ► "Voice mail".

2 Select "Erase icon".

NOTE

- Deleting a voice mail icon does not erase the voice mail message. When you perform "Check messages" again, the voice mail icon reappears.

Call Waiting Service

| | | | |
|--------------|-----------|----------------|---------|
| Subscription | Necessary | Monthly charge | Charged |
|--------------|-----------|----------------|---------|

The call waiting service allows you to receive another voice call during a call. You can also put the current call on hold and make a new call to another person.

- You cannot operate the call waiting service when the "☎" icon is displayed.
- Before using the call waiting service, set "Arrival call act" (p.289) to "Answer". If the setting was something other than "Answer", you cannot reply to the incoming voice calls while taking another even if you are activating the call waiting service.
- When receiving a voice call that does not notify Caller ID when the "Caller ID request" service (p.284) is set to "Activate", a guidance requesting the caller to notify his/her caller ID is played, and the call cannot be received.
- In the following cases, the call waiting service is not available:
 - During a call to the international call service (0051) or 3-digit phone number, such as 110, 119, 118, 117* or 104
 - During dialing, or while you are waiting for the other party to answer the call
 - During a videophone call (The call will be recorded as a "Missed calls" record in the "Received calls list" (p.151))

- When a videophone comes in during a voice call (The call is recorded as a "Missed calls" record in the "Received calls" (p.151))
- While a call is connected to the voice mail service center if you have subscribed to the "Voice mail" service
 - When you receive a voice call during a call to 117, a secondary call signal sounds. However, you cannot answer the call.

Activating the call waiting service

1 Select (Menu) ► ► "Call waiting".

2 Select "Activate".

To stop the call waiting service settings
Select "Deactivate".

To check the call waiting service settings
Select "Check setting".

*Since January 2001, DoCoMo pagens have been called "QUICKCAST".

Putting the current voice call on hold to answer another voice call

1 When you hear a signal tone during a call, press or [Answer].



The call with the first caller is automatically put on hold, and another voice call from the second caller is connected.

2 Switch the line to the first caller.

To end the call with the second caller

Press , and then press or (Answer).

The call with the second caller ends, and the line is switched to the first caller.

To put the call from the second caller on hold

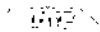
Press .

The call with the second caller is put on hold, and the line is switched to the first caller.

Press to switch between the callers.

To end the held voice call

Select "End held call" from the function menu



- A caller is charged even while the call is on hold.
- When you receive a third voice call while "Multi calling" is displayed on the screen, a message notifying you that you can answer the third call if you end the call on hold or current call appears.
- If you subscribe to the "Voice mail" service or the "Call forwarding" service, set "Arrival call act" to "Answer" and "Get arrival act" to "Activate" to connect the voice call that came in during another call to the voice mail service or call forwarding service. → p. 291

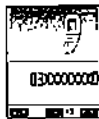
Ending the current voice call to take another voice call

- 1 When you hear a secondary call signal, press .
The call with the first caller ends, and the ring tone sounds.
- 2 Press or (Answer).
The second voice call is connected.

Putting the current voice call on hold to make a new voice call to another person

You can put the current call on hold and make a new voice call to another person.

- 1 Dial a phone number of the second person during a call, and press .



The call with the first caller is automatically put on hold, and the line is switched to the second person.
You can search the phonebook for the number.
How to search the phonebook → p.116

- 2 Switch the line to the first caller.

To end the call with the second person
Press , and then press or (Answer).
The call with the second person ends, and the line is switched to the first caller.
To put the call with the second person on hold
Press .
The call with the second person is put on hold, and the line is switched to the first caller.
Press to switch between the callers.
To end the held voice call
Select "End held call" from the function menu.



- A caller is charged even if the call is on hold.
- When you receive a third voice call while "Multi calling" is displayed on the screen, a message notifying you that you can answer the third call if you end the call on hold or current call appears.

Call Forwarding Service

Subscription Necessary Monthly charge Free

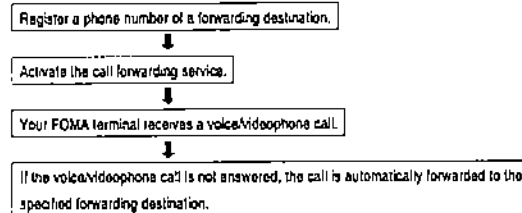
If you receive a voice or videophone call when you are having your FOMA showing "E" or when your FOMA terminal is turned off, this service forwards the call to the forwarding destination such as your home or office you have registered in advance.

- You cannot operate the call forwarding service with your FOMA terminal when you are having your FOMA showing "E". If you set the remote operation for this service in "Remote control" (p.282) beforehand, you can remotely control the call forwarding service from general push-key phones or pay phones by using the "NW security code" (p.192) when your FOMA terminal unavailable.

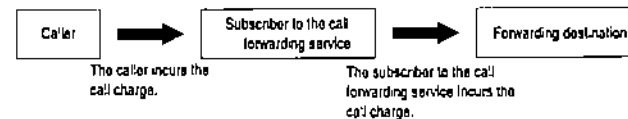
About the call forwarding service

- You can register one forwarding destination.
- Videophone calls are not connected unless the forwarding destination is a 3G-324M-compliant videophone terminal. (p.87)
- If you set the "Voice mail" service to "Activate", the call forwarding service is automatically deactivated.
- If receiving a voice call with no caller ID when the "Caller ID request" service (p.284) is set to "Activate", a guidance requesting the caller to notify his/her caller ID is played. The call forwarding service is not available.

Basic flow of the call forwarding service



Charges for the call forwarding service



- Registering the forwarding destination, activating/deactivating the call forwarding service or setting the ringing time is free of charge.
 - When forwarding a call, the subscriber to the call forwarding service is charged for a call charge from an area where the position of the FOMA terminal is registered to the forwarding destination. Be careful that a call charge for the call forwarding service may be unexpectedly expensive if you do not turn your FOMA terminal on after activating this function at a location far from your home place.
- For example, suppose you register your office number in Tokyo as the forwarding destination, and activate the function in Osaka during your business trip. In this case, if you leave your FOMA terminal with the power turned off, you are charged for forwarded calls from Osaka to your office in Tokyo. Turn on the power again when you return to home place. The present position of your FOMA terminal is automatically registered.

- You can make or receive voice/videophone calls as usual even when the call forwarding service is set to "Activate".
- If you receive a voice or videophone call when the call forwarding service is set to "Activate", the ring tone set in "Select ring tone" sounds. If you answer the call while ringing, you can talk. If you do not answer the voice or videophone call, the call is forwarded to the forwarding destination. The call is recorded as a "Missed call" in the "Received calls" and the "Missed call" desktop icon appears on the standby display.
- A call is automatically forwarded without ringing, when you are outside the service area or in a dead zone out of reach of radio waves or when your FOMA terminal is turned off. In this case, the subscriber to the call forwarding service incurs a call charge from your FOMA terminal to the forwarding destination.
- You can also forward another voice call received during a call. —p.291
- Voice or videophone calls from the phone numbers specified in the "Restrictions" (p.141) can automatically be forwarded to the forwarding destination regardless of the call forwarding service settings.
- The call forwarding service may be stopped on behalf of the subscriber at the request of the party receiving forwarded calls where such action is deemed necessary.
- While the call forwarding service is set to "activate" (during forwarding), a Collect call (calls charged to the receiver) cannot be received.

Activating the call forwarding service

1 Select (Menu) ► ► "Call forwarding".

2 Select "Activate".

To stop the call forwarding service
Select "Deactivate".

To change the forwarding destination only

Select "Change forwarding No." and enter the phone number of a forwarding destination. If the call forwarding service is set to "Activate", then select "Change No.". If set to "Deactivate", select "Change No. > Activate".

To check the call forwarding service settings
Select "Check settings".

3 Set the forwarding destination and ringing time.

To specify the forwarding destination

Select "Register fwd number".
Enter the number to forward a call. After setting, the "★" is attached to "Register fwd number".
If you press , you can search phonebook to enter the number. How to search the phonebook —p.116

To set the ringing time

Select "Set ringing time" and enter the ringing time (000 to 120 seconds). After setting, the "★" is attached to "Set ringing time".
If "0 second" is set, incoming calls are not recorded in the "Received calls".
If you enter a value outside the range of 000 to 120, a message indicating you that the value is unacceptable appears.

4 Select "Activate".

- Even if the call forwarding service is set to "Activate", you cannot forward the received videophone calls if the forwarding party does not have the device that conform to 3G-324AR (p.87). Be sure to check the forwarding recipient's device before you set the call forwarding service. Also, the caller who made the videophone call will not hear the guidance announcement that the call is being forwarded.
- You cannot specify toll-free numbers, 3-digit numbers such as 110 or phone numbers with "*" symbol as a forwarding destination.
- Be careful that a caller may misunderstand if you set a private branch exchange (PBX), QUICKCAST™ or fax number as a forwarding destination.

• Connecting to the voice mail service center when the forwarding destination is busy <All fwd party busy>

A forwarded voice call can be connected to the voice mail service center when the forwarding destination is busy.

- A subscription to the "Voice mail" service is required.
- You cannot connect to the voice mail service center if you receive a videophone call.

1 Select (Menu) ► ► "Call forwarding".

2 Select "At fwd party busy".

Bar Nuisance Call Service (Charged)

Subscription Necessary Monthly charge Charged

The bar nuisance call service is the service that calls from specific phone numbers such as malicious calls and insistent sales calls can be registered not to receive them. After registered, calls from such numbers are automatically rejected by the network and callers hear the call rejection guidance.

- You cannot use the bar nuisance call service when the "EB" icon is displayed.
- When you receive a videophone call from the registered phone number for the call rejection, no call rejection guidance is played and the line is disconnected.
- Up to 30 phone numbers can be registered for the call rejection.
- Calls not received due to the bar nuisance call service will not be stored into "Received calls". You will not see the desktop icon "Missed call".

• Registering the last nuisance call you received <Register caller>

The phone number of the last call you received and talked can be registered for the call rejection.

- A call with no caller ID can also be registered for the call rejection.
- An international call cannot be registered for the call rejection.
- You cannot check or inquire about phone numbers registered for the call rejection. You are recommended to take a note of phone numbers you registered for the call rejection.

1 Select (Menu) ► ► "Bar nuisance call".

2 Select "Register caller".

When 30 phone numbers have been already registered.
A message asking you whether to delete the oldest phone number and register a new one appears.
To register a new phone number, delete the oldest entry and then register the last call you received for the call rejection.

- You can designate a phone number for the call rejection registration. In this case, make a voice call to "144" directly from the standby display and register a phone number according to the voice guidance.


Deleting phone numbers registered for the call rejection**1** Select  (Menu) ►  ► "Bar nuisance call".**2** Delete the phone number registered to be blocked.

To delete the last phone number registered for the call rejection
Select "Delete last entry".
Only the last phone number registered for the call rejection can be deleted.
Other registered phone numbers cannot be deleted even if this deletion procedure is repeated.
To delete all phone numbers registered for the call rejection
Select "Delete all entries".

Notify Caller ID Service (Free)

Subscription Unnecessary Monthly charge Free

The FOMA terminal can notify your phone number to the other party's phone when you make a call. Since the caller ID is your important information, please handle with care when you notify your caller ID.

- You cannot operate the notify caller ID service when the  icon is displayed.
- The notify caller ID service is available for videophones too.
- This function is available only when the other party's phone is a digital terminal capable of displaying the caller ID.
- When you hear the guidance requesting your caller ID, hang up the phone once. Then set "Notify caller ID" to "ON" and make the call again.

Notifying the caller ID

Default setting OFF

1 Select  (Menu) ►  ► "Notify caller ID".**2** Select "Change setting".

To check the notify caller ID service settings
Select "Check setting".

3 Select "ON", and enter the NW security code.


NW security code → p.192
If you do not notify your caller ID
Select "OFF", and enter the NW security code.

- You can also set the notify caller ID to ON or OFF when you dial a phone number or display it from the "phonebook", "Received calls" or "Redial". → p.124

Caller ID Request Service (Free)

Subscription Unnecessary Monthly charge Free

The caller ID request service responds to voice calls that do not provide a Caller ID by playing an announcement that requests a Caller ID and then automatically terminating the call. This avoids problems caused by unknown callers and allows you to use your FOMA terminal in a carefree manner.

- You cannot operate the caller ID request service when the  icon is displayed.
- Caller ID request service is unavailable to videophones.
- The Caller ID request service only comes into effect when the reason given for the absence of a Caller ID is "User unset", indicating that the caller intentionally selected not to send a Caller ID. (This service does not apply to calls where the reason is "pay phone" and "Not supported".)
- A call for activating/deactivating the caller ID request service is free of charge.
- The caller of an incoming call is charged for the duration the announcement is heard.
- When you are activating various network services – such as "Voice mail" service, "Call forwarding" service, "Call waiting" service, "Driving mode" – and Caller ID request service at the same time, the Caller ID request service is given priority over others; and the incoming calls will be disconnected.
- When you are activating "Bar nuisance call" service and Caller ID request service at the same time, the "Bar nuisance call" service is given priority over others; and the incoming calls will be rejected.
- When you are activating "Call setting w/o ID" (p.145) and "Caller ID request" service at the same time, the Caller ID request service is given priority over others.
- When a call is not received due to the caller ID request service, the call is not recorded in "Received calls" and no "Missed call" desktop icon appears.

Activating the caller ID request service**1** Select  (Menu) ►  ► "Caller ID request".**2** Select "Activate".

To deactivate the caller ID request service
Select "Deactivate".
To check the caller ID request service settings
Select "Check setting".

Dual Network Service (Charged)

Subscription Necessary Monthly charge Charged

The dual network service is the service that you can use the same phone number for both the FOMA terminal providing a high-quality communication service and the mova providing a wide service area.

- You cannot operate the dual network service when the "i-mode" icon is displayed.
- The dual network service can switch the entire service including the i-mode center and the network service center.
- For details of the dual network service and mova operations, refer to the [Dual Network Service Guide].

About the dual network service

- Switching to dual network service is performed with a FOMA terminal or mova that cannot be used with the service.
- Network services you have subscribed with your FOMA terminal can also be used with your mova. Note that the following settings are set by each terminal and not reflected to each other.
 - Notify caller ID service
 - Driving mode
 - Arrival call act
- The FOMA terminal and the mova cannot be connected to a network at the same time.
- The following functions are available only with the FOMA terminal:
 - Making/Receiving videophone calls
 - Receiving Msg.Request/Free
 - Sending/Receiving SMS
 - Checking new SMS
- A mova that supports i-mode can be select whether to receive i-mode mail automatically or check/reply unrecieved mails on "Check mails site" in iMenu.
- The network service you have subscribed in the FOMA terminal is also available when you are using mova. However, some network settings made at each terminal may not be interoperable.

Switching from the mova to the FOMA terminal

- Before switching, check that you are in the service area. The reception level on the FOMA terminal and mova screen indicates radio wave conditions, not the status of the network availability.

- 1 Select (Menu) ► ► "Dual network".
- 2 Select "Switching".
A message is displayed asking you whether to switch networks.
To check the status of the FOMA terminal availability
Select "Check setting".
- 3 Select "YES", and enter the NW security code.
NW security code → p.162
Not to switch
Select "NO".

English Guidance

Subscription Unnecessary Monthly charge Free

You can set a language for the voice guidance to be played at the setting of network services such as the "Voice mail" service or the "Call forwarding" service. You can also set a language for the voice guidance to callers for services such as the "Caller ID request" service.

- You cannot operate the English guidance when the "i-mode" icon is displayed.
- English guidance is unavailable to videophones.

- 1 Select (Menu) ► ► "English guidance".
- 2 Select "Guidance setting".
To check the guidance settings
Select "Check guidance".
- 3 Select the item you want to set.
To set the guidance for outgoing and incoming calls
Select "Outgoing/Incoming". Set the guidance for outgoing calls, and then set the guidance for incoming calls.
Select the guidance for outgoing calls from "Japanese/English", and select the guidance for incoming calls from "Japanese/Japanese/English/English/Japanese".
To set the language for outgoing calls only
Select "Outgoing call".
Select the guidance for outgoing calls from "Japanese/English".
To set the language for incoming calls only
Select "Incoming call".
Select the guidance for incoming calls from "Japanese/Japanese/English/English/Japanese".

Service Dial

You can make a call to DoCoMo general information desk or service desk with quick operation.

- You cannot operate the service dial when you are in the area "i-mode" showed.


- 1 Select (Menu) ► ► "Service dial".
To make a call to DoCoMo service desk
Select "サービスデスクダイヤル", and press (Dial).
To make a call to DoCoMo general information desk
Select "サービス総合案内ダイヤル", and press (Dial).

Service Dial

- Service dials may not be available for some FOMA terminal versions.



Selecting the Way to Handling Incoming Calls During a Call

You can set how to handle another incoming voice call during a call. This is useful if you have not subscribed to the "Call waiting" service. Select "Set arrival act" to "Activate" to set how to handle voice calls that come in while you are talking on the phone by using "Arrival call act" function.

- You cannot operate the "Set arrival act" where the  icon is displayed.
- During a videophone call, the function set in the "Arrival call act" becomes invalid.
- You can also manually connect a voice call received during a call to the voice mail service center or the forwarding destination.
- You cannot connect the incoming voice calls to the voice mail service center or the forwarding destination if you have not subscribed to "Voice mail" service or "Call forwarding" service.

Selecting the way to handle incoming calls during a call <Arrival call act>

Default setting Answer

1 Select  (Menu) ►  ► "Arrival call act".

2 Select the item you want to set.



- Voice mail** : Connects an incoming voice call during a call to the voice mail service center regardless of the "Call waiting" or "Voice mail" service settings.
- Call forwarding** : Forwards an incoming voice call during a call to the forwarding destination regardless of the "Call waiting" or "Call forwarding" service settings.
- Call rejection** : Rejects an incoming voice call during a call.
- Answer** :
 When the "Call waiting" is set to "Activate", the operations of the "Call waiting" are available.
 When the "Call waiting" is set to "Deactivate", any of the following operations is available.
 • You can take an incoming voice call by ending the current voice call.
 • You can connect an incoming voice call during a call to the voice mail service center or the forwarding destination or reject it by manually using the function menu. →p.75
 • When the "Voice mail" service or "Call forwarding" service is set to "Activate", the settings in these services are followed.

NOTE

- When "Voice mail", "Call forwarding" or "Call rejection" is set for this function, an incoming voice call during a call is recorded in the "Received calls" and the "Missed call" desktop icon appears on the standby display.

Activating the set arrival actAAA <Set arrival act>

Default setting Deactivate

1 Select  (Menu) ►  ► "Set arrival act".

2 Select "Activate".



- To stop the set arrival act settings
 Select "Deactivate".
- To check the set arrival act settings
 Select "Check setting".

Ending the current voice call to take another voice call

If you set "Arrival call act" to "Answer" and "Set arrival act" to "Activate", you can take an incoming voice call by ending the current voice call.

1 When you hear a secondary call signal, press .

The current call ends and the ring tone sounds.
 When the "Voice mail" service or "Call forwarding" service is set to "Activate", and the ringing time has elapsed while a secondary call signal is sounding, the incoming call is connected to the voice mail service center or forwarding destination.


2 Press  or  [Talk].

You can receive a voice phone call.

Manually connecting to the voice mail/call forwarding service or rejecting calls

- When you receive another call while taking another, you can connect the new incoming voice call to the voice mail service or call forwarding service or reject the call in the following settings:
 • When the "Call waiting" is "Activate" and the Arrival call act is "Answer".
 • When the set arrival act is "Activate" and the Arrival call act is "Answer".
- Regardless of the Activate/Deactivate setting of the "Voice mail" service or "Call forwarding" service, you can use these services by using this function.

<Example: When the call waiting service is activated>

1 When you hear a signal tone during a call, press  [FUNC] to display the function menu.

2 Select how you want to handle the incoming call.

- To reject an incoming call
 Select "Call rejection".
- To forward an incoming call to the forwarding destination
 Select "Call forwarding".
- To connect an incoming call to the voice mail service center
 Select "Voice mail".
- In any of the above cases, you can resume talking with the first caller.



- If the call forwarding destination is not stored, the message informing you that the forwarding destination is not set will appear on the display. The other party who calls you will hear the forwarding guidance, but the talk will be cut off.
- During a call to emergency numbers "110 (police)", "119 (fire or ambulance)" or "118 (emergency number for maritime accidents)", you cannot operate from the function menu.
- When you are not receiving a call (when you are out of the service area, you cannot answer a video/videophone call or the power is off), the "Activate/Deactivate" setting of the "Voice mail" service or "Call forwarding" service is followed.

Setting the Remote Control of Networking Service

You can operate network services such as the voice mail service and the call forwarding service by remote control using other phones such as pay phones.

- You cannot operate the remote control when you are in the area "E" shown.

Activating the remote control

- 1 Select  (Menu) ►  ► "Remote control".
- 2 Select "Activate".
To stop the remote control
Select "Deactivate".
To check the remote control settings
Select "Check setting".

About controlling network services remotely

To operate network services from a phone, such as a pay phone, dial as follows.

090-310-XXXX

For XXXX, dial the num that you want to operate.

For details about operating method, refer to the FOMA Network Services User's Guide.

Additional service



Storing and Using a New Service

When DoCoMo provides new network services, you can store up to 10 of these additional network services in your menu.

When a new network service is provided, a "Enter number" or a "Service code" to be used for the service will be sent to you. Register the "Special number" or "Service code" as well as the new service's name on your FOMA terminal.

- You can register up to 10 network services.
- Enter the "Service code" into "USSD" in the Additional service entering display.
- When using the newly registered network service in "Service code (USSD)", you can also record the answer message for the command sent from the network.

Storing and Using a new service

- 1 Select  (Menu) ►  ► "Additional service".
- 2 Select "Additional service".

- 3 Highlight the <Not stored> and select "Add new service" from the function menu.

To Change the setting

Highlight the registered service and select "Edit" from the function menu.

- 4 Enter the service name.

Up to 10 full-pitch or 20 half-pitch characters can be entered for a service name.
Entering characters → p.296

- 5 Select the connect way.




To connect with the "Enter number"

Select "Enter number" and enter the special number.

To connect with the "Service code"

Select "Enter USSD number" and enter the service code.



Using a stored service

- 1 Select  (Menu) ►  ► "Additional service".
- 2 Select "Additional service" and then the service number you want to use, and then press  [Send].

Storing an additional guidance

When using the newly registered network service in "Service code (USSD)", you can store an answer message for the command sent from the network.

- You can register up to 10 answer messages.

- 1 Select  (Menu) ►  ► "Additional service".
- 2 Select "Additional guidance".
- 3 Highlight <Not stored> and select "Add new guidance" from the function menu.

To Change the setting

Highlight the registered service and select "Edit" from the function menu.



- 4 Enter the command.

Up to 20 digits of command can be entered.

- 5 Enter the additional guidance.

Up to 10 full-pitch or 20 half-pitch characters can be entered for an additional guidance.
Entering characters → p.296

Deleting a stored service or additional guidance

- 1** Select  (Menu) ►  ► "Additional service".
- 2** Select the item you want to delete.
To delete a stored additional service
Select "Additional service".
To delete a stored additional guidance
Select "Additional guidance".
- 3** Highlight the item you want to delete and select "Delete this" from the function menu.
To delete all items
Select "Delete all" from the function menu.

● Data communication

| | |
|--|-----|
| ■ About Data Communication | |
| About Data Communication Available for Your FOMA Terminal | XXX |
| ■ Installing Communication Setting File | |
| Before Using | XXX |
| Checking the Procedure | XXX |
| Setting the PC | XXX |
| Checking the Installed Driver | XXX |
| Uninstalling Communication Setting File | XXX |
| ■ Data Communication Settings by Using the FOMA PC Setting Software | |
| About the FOMA PC Setting Software | XXX |
| Installing the FOMA PC Setting Software | XXX |
| Communication Settings | XXX |
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| Access Point Name (APN) Settings | XXX |
| ■ Data Communication Settings without Using the FOMA PC Setting Software | |
| Setting up Dial-up Network | XXX |
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About Data Communication Available for Your FOMA Terminal

Packet communication can be used by connecting a FOMA terminal and a PC.

Packet communication

Packet communication is a method for transmitting data in a unit called a "packet". Since multiple terminals can utilize 1 line at the same time, communication is efficient. Data can be received at a speed as high as 384kbps max. Packet communication is charged according to the amount of data sent and received, regardless of the time it takes or the distance. Therefore, packet communication is best for exchanging a comparatively small amount of data at a high speed, such as sending and receiving the text data of mail. Be informed that the communication charge can become very expensive when large files are sent and received. It is possible to access a corporate LAN connected to a FOMA network and exchange data (in order to use this system, subscription to Type 1 Leased Circuit Connection Service or Xwave (Type 2 Leased Circuit Connection Service) is required).

For packet communication

Packet communication is carried out by connecting a FOMA terminal with a PC through FOMA USB connection cable (optional). Please use an access point that supports FOMA packet communication such as DoCoMo Internet connection service "mopera".



- You cannot use PHS services such as PIAFS (32K and 64K data communication) and FAX communication from FOMA terminal.

Notice before using

Internet service fees

In addition to FOMA service charges, you may need to pay user fees to an Internet service provider to use the Internet. Those fees must be paid directly to the service provider. Please contact your Internet service provider for details. DoCoMo also provides an Internet service called "mopera" for which you are exempt from application procedures and monthly fees.

Setting an access point (e.g. Internet service provider)

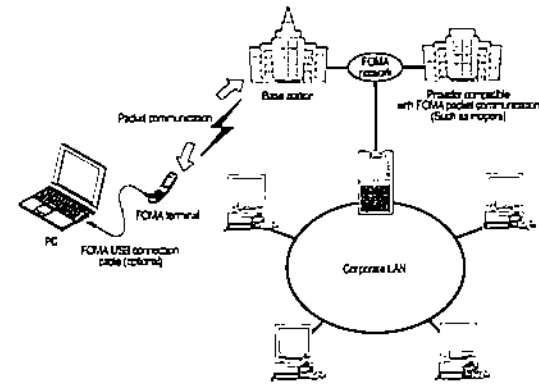
- If you are using packet communication, use an applicable access point for it.
- You cannot use DoPa access points.
 - You cannot use access points for PHS/4K/32K data communication such as PIAFS.

User authorization for network access

Some access points may require your user authorization (ID and password) when connecting. Use communication software (Dial-up network) to enter your ID and password. ID and password will be provided by your Internet service provider or the network administrator. Please contact the provider or administrator for details.

Packet communication

- Received calls using the packet communication are recorded as "Received calls" (p.151).
 - Dial-up connection/disconnection must be controlled by PC.
 - You can receive calls using packet communication even if "Drive mode" (p.82) is set.
- <Available operations during packet communication>
- You can transmit SMS during packet communication.
 - You can make or receive voice calls during packet communication.
- <Unavailable operations during packet communication>
- The following operations are not possible during packet communication:
 - Using videophone
 - Using i-mode
 - Transferring data between a FOMA terminal and PC (OBEX) → p.352
 - Sending and receiving i-mode mails
 - Infrared exchange



Before Using

Check the following before using packet communication with the FOMA USB connection cable.

About operation environment of packet communication

The PC operation environment to use packet communication is as shown below:

| Item | Description |
|-----------------|--|
| PC unit | <ul style="list-style-type: none"> • PC/AT compatible model with CD-ROM drive • USB port (compliant to Universal Serial Bus Specification Rev1.1) • Display resolution of 800 x 600, High Color (24-bit color) is recommended |
| OS | <ul style="list-style-type: none"> • Windows Me/Windows 98/Windows 2000/Windows XP (Japanese version) |
| Required memory | <ul style="list-style-type: none"> • Windows 98/Windows Me: 32MB or more* • Windows 2000: 64MB or more* • Windows XP: 128MB or more* |
| Hard disk space | <ul style="list-style-type: none"> • 5MB or more of empty space* |

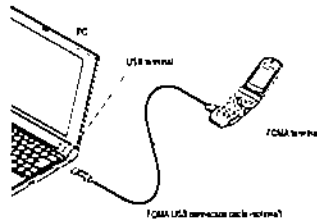
*The required memory and necessary hard disk space may differ depending on the PC's system configuration.

- Depending on the operating environment, there are some instances where you cannot use this software. Also, please be notified that we cannot take responsibility for inquiries or guarantees regarding the use in operating environments other than those mentioned above.
- For data communication using DoCoMo PDA "musee" connected to FOMA terminal, update "musee". For how to update and other details, go to the DoCoMo Web page.

Devices required

The following hardware and software in addition to the FOMA terminal and a PC are required.

- FOMA USB connection cable (optional)
- Attached CD-ROM "CD-ROM for FOMA N900G"

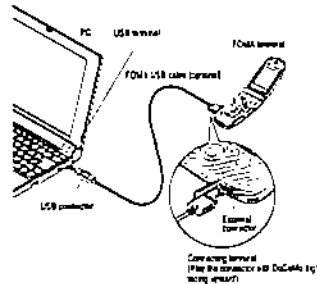


NOTE

- Purchase the dedicated USB cable "FOMA USB connection cable". USB cable for PC cannot be used because the shape of the connector is different.

Connecting the devices

The following procedure explains how to connect the FOMA USB connection cable.



- 1 Open the FOMA terminal's external connector cap.

- 2 Connect the USB connector of the FOMA USB connection cable to the USB terminal of your PC.

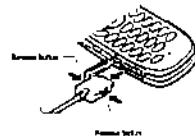
- 3 Check the orientation of the external connector of the FOMA terminal, then insert the external connector of the FOMA USB connection cable straight until you hear a click.

"B" appears on the FOMA terminal when the FOMA USB connection cable has been connected.

- Do not forcibly insert the FOMA USB connection cable connectors. The connectors can be connected only when the orientation and the inserting angle are correct. When you insert each connector correctly, you do not need an extra force. When it cannot be inserted smoothly, do not force it. Check again its shape and orientation.
- "B" appears on the FOMA terminal display when a N900G communication setting file is installed and the connection with a PC is recognized. Before a data communication setting file is installed, the connection is not recognized and "B" does not appear. Data communication is unavailable unless "USB mode setting" (p.457) of the FOMA terminal is set to "Communication mode".

Disconnecting the devices

The following procedure explains how to disconnect the FOMA USB connection cable.



- 1 Pull it out straight while pressing the release buttons of the external connector of FOMA USB connection cable.

- 2 Remove the FOMA USB connection cable from the USB terminal of the PC.
- 3 Close the FOMA terminal's external connector cap.

- Do not pull out the FOMA USB connection cable forcibly. It may cause a failure.
- Do not repeatedly connect and disconnect the FOMA USB connection cable. After you have connected and disconnected once, wait for a while before doing so again.

Checking the Procedure

The following shows the procedure from connection of packet communication to completion of setting. Read the following instructions to understand the procedure before you begin.

- In packet communication, the connection is made through a dial-up connection with Internet service providers or LANs that support FOMA packet communication.
- For packet communication, installation of N900G communication setting file (drivers) and the configuration of the "Dial-up network" settings are required.

About the "CD-ROM for FOMA N900G" provided

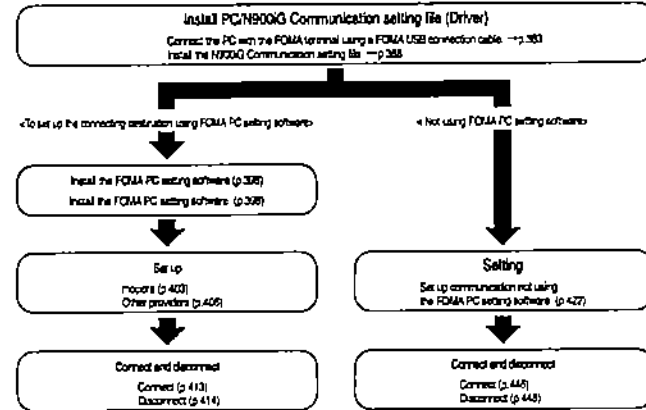
- The CD-ROM contains the communication setting file (drivers) and FOMA PC setting software.

- The N900G Communication setting file is software (drivers) needed for connecting the FOMA terminal with a PC via a FOMA USB Connection cable (optional) to carry out packet communication or data transfer (DTE). Installing the N900G Communication setting file embeds each driver into Windows. Using the FOMA PC setting software, you can easily set up packet communication and create a dial-up.

- You can also carry out packet communication setting without using the FOMA PC setting software. Set up Dial-up network → p.422

Flow up to completing data communication setup

This section describes preparation to use packet communication.



※ "mopera" is a DoCoMo's internet connection service for which you do not need to apply. We recommend that you set up communication using "mopera" if you want to connect to the internet in an easy way.

NOTE

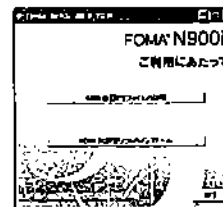
- If "FOMA N900G" is not displayed in "Preparations for Various Settings" (p.401), you have failed the installation. After uninstalling the Communication setting file (p.394), reinstall it.
- If your PC stops recognizing the FOMA terminal for some reasons, uninstall the Communication setting file (p.394) and reinstall it.
- If you install the driver for a wrong OS due to the wrong automatic search settings, etc., it does not run properly. After uninstalling the Communication setting file, reinstall it properly.

Setting the PC

This section describes the procedure from connection to a PC to installation of the N900iG communication setting file (drivers).

Connecting the FOMA terminal to a PC

- 1 Connect the FOMA USB connection cable to the PC USB terminal.
- 2 Start up Windows and insert the "CD-ROM for FOMA N900iG" in the CD-ROM drive of your PC.
- 3 Click "終了(Exit)" to exit from the "FOMA N900iG をご利用にあたって(To use FOMA N900iG)" screen.



This screen usually appears automatically when the "CD-ROM for FOMA N900iG" is inserted in the drive, but may not appear depending on the PC settings. In this case, simply proceed to Step 4. If this screen appears while you are installing the N900iG communication setting file, click "終了 (Exit)" as well.

- 4 Turn on the FOMA terminal, then connect the FOMA USB connection cable connected to the PC to your FOMA terminal.

For Windows Me/Windows 98
"新しいハードウェアの追加ウィザード
(Add new hardware wizard)" screen appears.
For Windows 2000/Windows XP
"新しいハードウェアの検索ウィザード
(Find new hardware wizard)" screen appears.

- Purchase the dedicated USB cable "FOMA USB connection cable". USB cable for PC cannot be used because the shape of the connector is different.

Installing the N900iG communication setting file (drivers)

- When installing the N900iG communication setting file, be sure to install all drivers (p.393) in one installation process. If the FOMA USB connection cable is removed in the middle of the process or the installation is interrupted by clicking "キャンセル(Cancel)", the N900iG communication setting file may not be correctly installed. In this case, follow the uninstallation process (p.394) to delete the N900iG communication setting file and reinstall.
- If you are using Windows 2000 or Windows XP, be sure to use an account for the user with authority (computer administrator) to install setup files for N900iG communication. An error will occur if you try to install the files using another account. Refer to your PC manufacturer or Microsoft for setting up administrator account.
- The installation procedure for the N900iG Communication setting file differs depending on the OS. Refer to the description for the OS on your PC.
For Windows 2000, refer to the following.
For Windows XP, proceed to p.390. For Windows Me or 98, proceed to p.392.

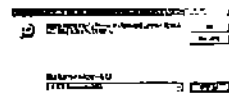
■ For Windows 2000

- 1 Connect the FOMA USB Connection cable to the FOMA terminal.



When the FOMA USB connection cable has been connected to the PC in Step 4 on p.387, the screen as shown above is automatically displayed.

- 2 Click "次へ (Next)".
- 3 When the "ハードウェア デバイス ドライバのインストール (Installation of hardware device)" screen appears, select "デバイスに最適なドライバを検索する (推奨) (Search for the Optimal driver for the device (recommended))" and click "次へ (Next)".
- 4 When the "ドライバ ファイルの特定 (Specify the driver file)" screen appears, check the "場所を指定 (Specify search location)" box and click "次へ (Next)".
- 5 Specify the folder to search and click "OK".



The folder name is "<CD-ROM drive name>\USB Driver\Win2000".
The CD-ROM drive name differs depending on the PC you are using. On the screen shown above, the CD-ROM drive name is "E".

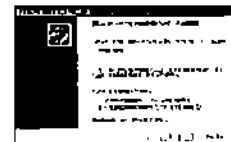
- 6 When the "ドライバ ファイルの検索 (Search for the driver file)" screen appears, confirm the driver name and click "次へ (Next)".
- 7 When the message "新しいハードウェアの検索ウィザードの完了 (Complete the find new hardware wizard)" appears, click "完了 (Finish)".

"FOMA H900G" appears here.

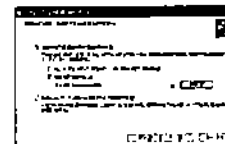
- 8 Install other drivers.
See Step 1 to 7 and install all other drivers (p.393). If the "新しいハードウェアの検出ウィザード (Find new hardware wizard)" screen stops appearing after the completion of Step 7, installation of the drivers is complete. Proceed to "Checking the installed driver" (p.393).

■ For Windows XP

- 1 Connect the FOMA USB Connection cable to the FOMA terminal.
When the FOMA USB connection cable has been connected to the FOMA terminal in Step 4 on p.387, the screen of "新しいハードウェアの検出ウィザードの開始 (Start the find new hardware wizard)" is shown.
- 2 Select "一覧または特定の場所からインストールする (詳細) (Install from the list or a certain location (Advanced))" and click "次へ (Next)".



- 3 Select "次の場所で最適なドライバを検索する (Search for the most compatible driver in the next location)", uncheck "リムーバブルメディア (フロッピー、CD-ROM など) を検索 (Search a removable media such as floppy disk or CD-ROM)" and check "次の場所を含める (Include the next location)" and specify a folder to search. Click "次へ (Next)".



Specify the folders as "<CD-ROM drive>\USB Driver\Win2000".
The CD-ROM drive differs depending on the PC used. In the example on the right, the CD-ROM drive is "E".
The driver is common with Windows 2000.

- 4 When the message "新しいハードウェアの検索ウィザードの完了 (Complete the find new hardware wizard)" appears, click "完了 (Finish)".
- 5 Install other drivers.

See Step 1 to 4 and install all other drivers (p.393). If the "新しいハードウェアの検出ウィザード (Find new hardware wizard)" screen stops appearing after the completion of Step 4, installation of the drivers is complete.
When all the drivers have been installed, the task bar indicator displays the message "新しいハードウェアがインストールされ、使用準備ができました。 (New hardware is installed and ready for use)" for several seconds. Proceed to "Checking the installed driver" (p.393).

■ For Windows Me/Windows 98

- 1 Connect the FOMA USB Connection cable to the FOMA terminal.
When the FOMA USB connection cable has been connected to the FOMA terminal in Step 4 on p.387, the screen "新しいハードウェアの検出ウィザード (Add new hardware wizard)" as shown on the right is automatically displayed.
- 2 Install the driver by following the instructions displayed on the screen.



For installing the driver, refer to the procedure for Windows 2000 (p.393) and Windows XP (p.393). Specify "<CD-ROM drive>\USB Driver\Win98" for the name of the folder for searching the driver.

- 3 Install other drivers.
Repeat the operation for installing drivers until the "新しいハードウェアの検出ウィザード (Add new hardware wizard)" screen no longer appears. When all the driver installations have been completed, proceed to "Checking the installed drivers" (p.393).

Checking the installed drivers <device/driver names>

Check to see if the N900IG communication setting file has been correctly installed.

1 Open the Control Panel of Windows.

For Windows Me/Windows 98/Windows 2000
Select "スタート (Start)" → "設定 (Settings)" → "コントロールパネル (Control Panel)".

For Windows XP
Select "スタート (Start)" → "コントロールパネル (Control Panel)".

2 Open "システム(System)" in the "コントロールパネル(Control Panel)".

For Windows Me
If the "システム (System)" icon does not appear in "コントロールパネル(Control Panel)", click "すべてのコントロールパネルのオプションを表示する (Display all Control Panel options)".

For Windows XP
Click the "システム (System)" icon in "パフォーマンスとメンテナンス (Performance and Maintenance)".

3 Open the device manager.

For Windows Me/Windows 98
Click the "デバイスマネージャ (Device manager)" tab.

For Windows 2000/Windows XP
Click the "ハードウェア (Hardware)" tab and click "デバイスマネージャ (Device manager)".

4 Click each device to check the installed driver name.

Check to see if all the driver names are displayed under the following devices:

- Port (COM/LPT)
 • FOMA N900IG Command Port
 • FOMA N900IG OBEX Port
- Modem
 • FOMA N900IG

- Universal Serial Bus controller or USB (Universal Serial Bus) controller
 • FOMA N900IG
 • FOMA N900IG Command*
 • FOMA N900IG Modem*
 • FOMA N900IG OBEX*
- * Windows Me/Windows 98 only

Check the driver name, and proceed to "About the FOMA PC Setting Software" (p.296).

(Example: Windows XP)



- If not all driver names appear when you check the above or if you have installed an improper N900IG communication-setting file for your OS, follow the uninstall instructions (see below) to delete the file and install the proper file.

Uninstalling communication setting file (drivers)

If necessary (when Windows has been upgraded, etc.), uninstall the drivers as follows. The procedure for uninstalling from a Windows XP machine is described as an example.

1 If the FOMA terminal and the PC are connected by the FOMA USB connection cable, remove the FOMA USB connection cable.

2 Start Windows and insert the "CD-ROM for FOMA N900IG" into the CD-ROM drive of the PC.

3 When the "FOMA N900IG ご利用にあたって (To use FOMA N900IG)" screen appears, click "終了 (Exit)".

This screen usually appears automatically when the "CD-ROM for FOMA N900IG" is inserted in the drive, but may not appear depending on the PC settings. In this case, simply proceed to Step 4.

4 Open "スタート(Start)" → "マイコンピュータ(My Computer)", right-click the CD-ROM icon and select "開く (Open)".

5 Open the "USB Driver" folder on the CD-ROM, open the "Uninst" folder and double-click "n900ig_un.exe" to execute the uninstall program.

"n900ig_un1" may appear instead of "n900ig_un.exe" depending on the setting of the PC you use.

6 When the "FOMA N900IG Driverを削除します。" screen appears, click "OK" to uninstall the driver.

To cancel uninstallation, click "キャンセル (Cancel)".

7 When the screen for asking whether to restart Windows appears, click "はい(Yes)" to restart Windows.

Now the uninstallation is completed. If you have clicked "いいえ (No)", restart Windows manually.

About the FOMA PC Setting Software

You need to set up various settings for communication in order to carry out packet communication by connecting the FOMA terminal to a PC. By using the FOMA PC setting software, you can easily set up the following:

- You can also set up packet communication without using the FOMA PC setting software. → p.422

Easy settings

The guide will guide you through the procedure for "Making new dial-up connection for FOMA data communication" and "W-TCP setting".

W-TCP setting
W-TCP settings optimize the communication settings of a PC before using "FOMA packet communication".

To get the most out of communication performance, it is necessary to optimize communication settings by making W-TCP settings.

Access point name (APN) setting

Set the access point name (APN) required for packet communication.

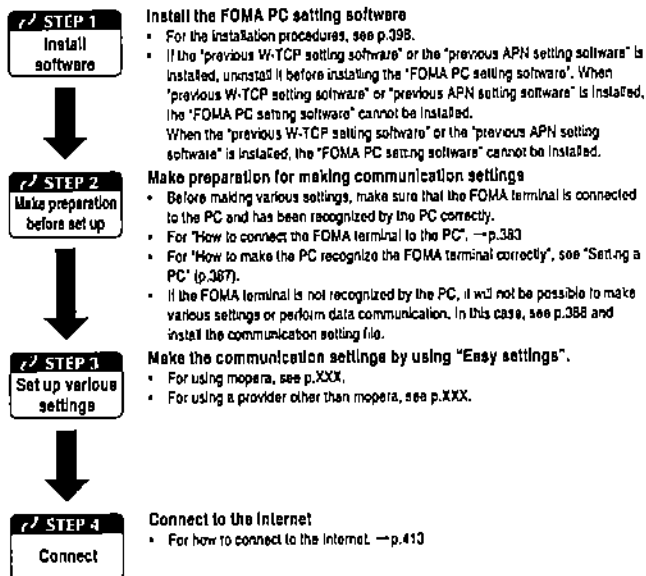
For each FOMA packet communication access point, before you connect, register the APN (Access Point Name) of each access point in the FOMA terminal and assign its registration number (cid) to the connection point phone number field. For using mnpura, APN mnpura.ne.jp is registered as the first cid, but when connecting to other providers of corporate LAN, you will need to make the APN settings.

cid [Context Identifier] is a number corresponding to a packet communication connection point (APN). It is set when registering the APN in the FOMA terminal.

NOTE

- If any W-TCP environment setting software or FOMA data communication setting software not supplied with this FOMA terminal is already installed, uninstall such software before installing the FOMA PC setting software.

Procedures from Installation of FOMA PC setting software to connection to the Internet



Before Installing

Check the operation environment.

- The PC operation environment for using the FOMA PC setting software is as shown below:

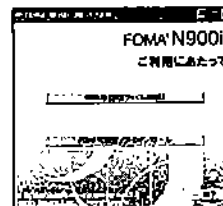
| Item | Required environment |
|-----------------|--|
| PC Unit | • PCIAT compatible model |
| OS | • Windows Me/Windows 98/Windows 2000/Windows XP (Japanese version) |
| Required memory | • Windows Me/Windows 98: 32MB or higher • Windows 2000: 64MB or higher • Windows XP: 128MB or higher |
| Hard disk space | • 5MB or higher of empty space |

◆ The required memory and necessary hard disk space depend on the system configuration of the PC

Installing the FOMA PC Setting Software

- When installing the "FOMA PC setting software" on a Windows 2000/Windows XP machine, be sure to log on as Administrator.
- For setting up the administrator account, contact your PC manufacturer or Microsoft.

1 Insert the supplied CD-ROM in the CD-ROM drive of the PC and click "FOMA PC設定ソフトのインストール (Installation of the FOMA PC setting software)".



The "FOMA N900i G ご利用にあたって (To use FOMA 900i G)" screen will automatically be displayed. If for some reason the CD-ROM is not automatically started, right-click the CD-ROM icon in "マイコンピュータ (My Computer)", select "開く (Open)" and double-click "install.exe". Then click "FOMA PC 設定ソフトのインストール (Installation of the FOMA PC setting software)".

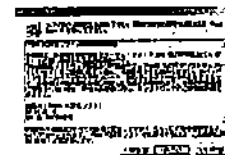
2 Click "次へ (Next)".



Before starting the setup process, make sure that no other program is currently running or resident. If there is any program running, click "キャンセル (Cancel)" to exit the program and resume installation.

If a message appears indicating that "previous W-TCP setting software" or "previous APN setting software" is installed, proceed to p.401.

3 Confirm the user agreement of "FOMA PC設定ソフト(FOMA PC setting software)" and click "はい(Yes)" if agreeing to it.



If you click "いいえ (No)", the installation is canceled.

4 Click "次へ (Next)".

Select whether or not you want "W-TCP settings" to reside in the Task Tray. This is a function to set up/cancel optimization of "W-TCP communication", we recommend you choose to let it reside in the Task Tray. If there is no problem in particular, click "次へ (Next)" with "タスクトレイに常駐する (Let it reside in the Task Tray)" checked to continue with the installation. Even if you do not check "タスクトレイに常駐する (Let it reside in the Task Tray)" here, you will be able to change the settings by selecting "メニュー..." "W-TCP設定をタスクトレイに常駐させる (Let W-TCP settings reside in the Task Tray)" on the FOMA PC setting software. (Note) This option is disabled when the "タスクトレイに常駐する (Reside in the task tray)" setting is in effect.



The W-TCP setting will appear in the task tray that is usually located at the bottom right corner of the desktop.



5 When the “インストール先の選択(Select the installation location)” screen appears, select the installation location and click “次へ (Next)”.

If you want to change the destination, click “D:” (Browse), specify the location and click “次へ (Next)”.
You can select another drive if you do not have enough hard disk space, but generally the default setting is recommended.

6 When the “プログラム フォルダの選択(Select the program folder)” screen appears, check the name of program folder and click “次へ (Next)”.

If you want to change it, enter a new folder name and click “次へ (Next)”.

7 When the “セットアップの完了(Setup completed)” screen appears, click “完了 (Finish)”.

When the setup process has been completed, the “FOMA PC 設定ソフト (FOMA PC setting software)” screen will automatically appear. Various settings can be initiated at this point.

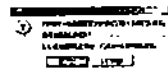
Notes on Installation of the FOMA PC setting software

<If the “previous W-TCP setting software” is installed>



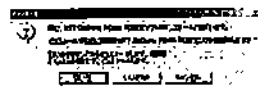
- When the “previous W-TCP setting software” is installed, the left-hand screen will appear.
- Open “アプリケーション(プログラムの)の追加と削除 (Add/delete applications (programs))” and delete the old version.

<If the “previous APN setting software” is installed>



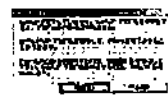
- When the “previous APN setting software” is installed, the left-hand screen will appear.
- When you click “はい (Yes)”, the previous APN settings software is automatically uninstalled, and the FOMA PC setting software will be installed.

<If the “FOMA PC setting software” is already installed>



- When the FOMA PC setting software is already installed, the left-hand screen will appear.
- Clicking “はい (Yes)” automatically uninstalls the FOMA PC setting software and then reinstalls the software.

<If the “キャンセル(Cancel)” button is clicked during installation>



- When “キャンセル (Cancel)” or “いいえ (No)” is selected during setup operations to stop the procedure, the left-hand screen will appear. When you want to continue the operation, click “継続 (Continue)”. When you intend to stop the procedure, click “中止 (Cancel)”.

Communication Settings

You can easily create a dial-up for FOMA by following the information of the selected “接続方法(Connection Method)” and “接続先プロバイダ(Provider connecting to)” to select / enter for displayed items on the “FOMA PC setting software”.

- This section explains how to make settings for a high-speed packet communication of 384kbps maximum.
High-speed packet communication: Enables high-speed packet communication of up to 384 kbps for receiving and up to 64kbps for sending (there are exceptions for some machine types). Since you will be charged according to the amount of data transferred, you can enjoy data communication without worrying about time.
- Note that the communication charge can become high if “Packet communication” is used to communicate large volumes of data, such as to view Web pages containing images or to download files.

1 Open “スタート (Start)” → “プログラム (Programs)” → “FOMA PC 設定ソフト (FOMA PC setting software)”.



For Windows XP
Open “スタート (Start)” → “すべてのプログラム (All Programs)” → “FOMA PC 設定ソフト (FOMA PC setting software)”.

The following operation display appears when the FOMA PC setting software is started.



- For using mopera → see below.
- For using a provider other than mopera → p.406.

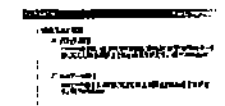
Easy settings : “Communication settings by using mopera”

- This section explains how to perform the settings for communication using mopera.

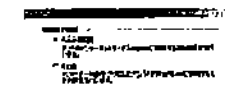
1 Click “かんたん設定 (Easy settings)”.



2 Select “パケット通信 (Packet communication)” and click “次へ (Next)”.



3 Select “mopera 接続 (mopera access)” and click “次へ (Next)”.

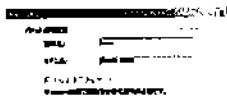


See p.406 to use any other provider than mopera.

4 When the "FOMA端末設定取得(Obtain the FOMA terminal settings)" screen appears, click "OK".

The access point (APN) settings will be obtained from the FOMA terminal that is connected to the PC. Please wait a moment.

5 Enter the access point name in the "接続名 (Name of access point)" field and click "次へ (Next)".

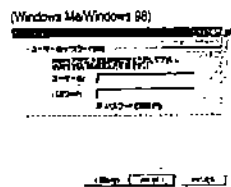
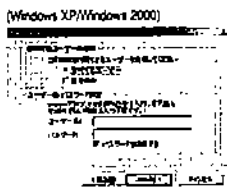


You can enter any name you want for the connection you are creating. Enter a name easy to recognize in the "接続名 (Connection Name)" column. Enter the connection name correctly including upper/lower case.

You cannot use the following reserved characters. V / * ? ! @ # (half-pitch only).

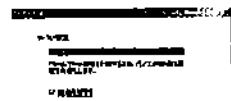
6 Specify a user name and password, then click "次へ (Next)".

UserName and Password can be omitted for the moperuna connection.



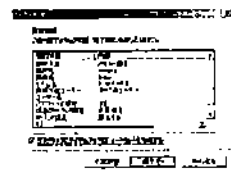
For Windows XP/Windows 2000, select "user". Enter exact information provided by the provider including upper / lower case to enter the User Name/Password.

7 Check "最適化を行う (Optimize the setting)" and click "次へ (Next)".



Optimize "W-TCP 設定 (W-TCP setting)" required for "packet communication". If they are already optimized, this screen will not be displayed. You need to reboot the PC for the changed settings to take effect.

8 Check the setting information and click "完了 (Finish)".



The contents that were set will be listed. Make sure that all settings are correct. Clicking "デスクトップにショートカットのショートカットを作成する (Add dial-up shortcut on desktop)" automatically creates a shortcut icon. To change any setting, click "戻る (Back)".

9 Click "OK".

You need to reboot the PC to enable the changes in the settings. Click "Yes" if the selection screen for reboot appears. Performs the communication set up (p.410).

Easy settings: "Communication setting by using other providers"

- This section explains how to perform the settings for communication using a provider other than moperuna.

1 In the procedure described in p.XXX, follow steps 1 and 2, select "その他(Other)" in step 3 and perform the operation described in step 4.

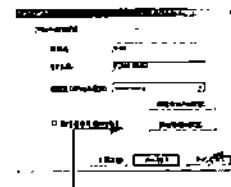
2 Make packet communication settings.

After the terminal setting has been completely acquired, a screen "パケット通信設定 (Packet communication setting)" will appear. Enter a name in "接続名 (Connection name)". Enter the connection name correctly including upper/lower case. The following reserved characters cannot be used for 接続名 (Connection name).

V / * ? ! @ # (half-pitch only)

※ "発信番号通知を行う (Notify Caller ID)" is checked off, the Caller ID is notified when communication is carried out.

APN: moperuna.jp is set by default in the "接続先 (APN)の選択 (Select the connecting destination (APN))" for moperuna connection.



3 Specify the access point (APN).

Number (ad) 1 is assigned with "moperuna.jp" by default. Open the "接続先 (APN)の選択 (Add the access point (APN))" screen by clicking the "追加 (Add)" button, specify an access point name that supports FOMA packet communication and click "OK". Return to the "接続先 (APN)の選択 (Specify the access point (APN))" screen.

Half-pitch alphanumeric characters, hyphen (-) and periods (.) can only be entered for the access point. Up to 10 cid can be registered.



4 Set up Advanced settings (TCP/IP settings).

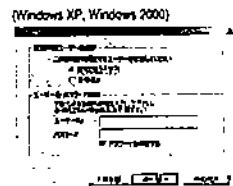
Clicking "詳細情報の設定 (Set up detail information)" on "パケット通信の設定 (Packet Communication Settings)" displays the setup screen for IP address / Name Server. If you need to enter information as dialup information for your provider, company LAN, etc., register each address according to the entry instructions.

5 Select the Access point (APN) and Click "OK".

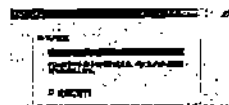
It returns to the screen in Step 5.
The access point (APN) entered in the Step 6 is displayed on "接続先 (APN) の選択 (Select the access point (APN))".

6 Confirm the Access point (APN) and click "次へ (Next)" on "接続先 (APN) の選択 (Select the connecting destination (APN))".**7** Specify the "ユーザー名 (User name)" and "パスワード (Password)" and click "次へ (Next)".

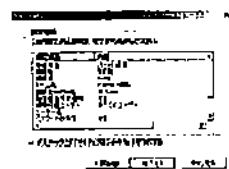
Select the user for Windows XP/Windows 2000.



When setting the user name and password, input the correct, case-sensitive data provided by the service provider.

8 Check "最適化を行う (Optimize the setting)" and click "次へ (Next)".

Optimize "W-TCP 設定 (W-TCP settings)" required for packet communication. If they are already optimized, this screen will not be displayed and proceed to Step 12.

9 Confirm the setting information and click "完了 (Finish)".

The contents that were set will be listed.
Make sure that all settings are correct.
Checking "デスクトップにダイヤルアップのショートカットを作成する (Add dial-up shortcut on desktop)" automatically creates a shortcut icon.
To change any setting, click "戻る (Back)".

10 Click "OK".

You need to reboot the PC to enable the changes in the settings.
If the Selection screen for reboot appears, click "Yes".
The communication set up is carried out on the next step. -- p.413

Executing Set Data Communication

This section describes connection/disconnection for the communication set up on "FDMA PC setting software".

- Dialing from the dial-up icon is only valid for the FOMA terminal used at time of icon creation. To connect to another FOMA terminal, therefore the communication setting file must be installed again.

- 1 Double-click the "接続 (Connection)" icon on the desktop.

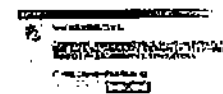


- 2 Click "ダイヤル (Dial)" and execute access operation.



If you select "roper", click "ダイヤル (Dial)", leaving the "ユーザー名 (User name)" and "パスワード (Password)" text boxes blank.
 If you select an Internet service provider other than roper or dial-up connection, enter the "ユーザー名 (User name)" and "パスワード (Password)" and click "ダイヤル (Dial)".
 Check "パスワードを記憶する (Save the password)" to skip entry of the password at later times.

- 3 Check that the line is connected properly, and click "OK".



Normally, the screen as shown on the right will appear when the dial-up connection is made. This "接続 (Connection)" message will not appear if it has been set to be disabled.

- During the packet communication, a different icon appears on the FOMA terminal depending on the communication conditions



- (Communicating, sending data)
- ← (Communicating, receiving data)
- ↔ (Communicating, no data transfer)
- ⊙ (Sending, or disconnecting)
- ⊕ (Receiving, or disconnecting)

How to disconnect

Since just closing the browser on your PC may not disconnect, be sure to disconnect by the following settings:

- 1 Double-click the dial-up icon in the task tray.

The dial-up connection screen will appear.



- 2 Click "切断 (Disconnect)".



● The communication speed displayed on the PC may be different from the actual communication speed.

When this happens

● Please check the following if the network connection (the dial-up connection) is not successful.

- FOMA HSCSD is not recognized by the PC.
 - See if your PC satisfies the operational environment required (p.381 and p.398).
 - See if the HSCSD communication setting file has been installed.
 - See if the FOMA terminal is connected to the PC and the power is turned on.
 - See if the FOMA USB connection cable is firmly connected.
- Unable to connect with the access point.
- See if the FOMA USB connection cable is firmly connected.
 - See if the settings for the ID (user name) and password are correct.
 - If the access point requires the Caller ID, make sure that "BA" is not added to the phone number.
 - See if the box of "フロー制御を使用" (Use the flow control) of the modem property is checked.
 - See if the APN is set correctly.
 - If you still cannot connect to the other end after checking the above, consult with the Internet service provider or network administrator about the setting method.

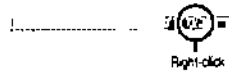
Uninstalling the FOMA PC setting software

This section describes un-installation instructions for FOMA PC setting software.

1 Before uninstalling.

Before starting the uninstallation process of the "FOMA PC 設定ソフト(FOMA PC setting software)", the various changes made for FOMA must be returned to their original settings.

- (1) Not to reside the "W-TCP settings" in the task tray.
Right-click the "W-TCP icon" in the task tray located at the lower right corner of the desktop and select "非表示(非表示)" (Nonresident).



- (2) Exit any running program.
If you try to begin uninstallation while the "FOMA PC setting software" or "W-TCP settings" is in operation, the "アンインストールを中断する(インストールを中断する)" (Interrupt the installation) screen will appear. Stop the uninstallation program and exit the respective programs.

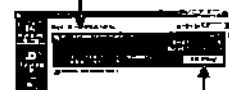
2 Start "アプリケーションの追加と削除(Add and remove applications)".

For Windows Me/Windows 98/Windows 2000
Click "スタート (Start)" → "設定 (Settings)" → "コントロールパネル (Control Panel)" → "アプリケーションの追加と削除 (Add deleting application)".
"アプリケーションの追加と削除のプロパティ (Property of Add and remove applications)" appears for Windows Me and Windows 98.

For Windows XP
Click "スタート (Start)" → "コントロールパネル (Control Panel)" → "プログラムの追加と削除 (Add/delete program)".

3 Select "FOMA PC設定ソフト(FOMA PC setting software)" and click "変更と削除(Change and delete)".

Select "FOMA PC 設定ソフト (FOMA PC setting software)".



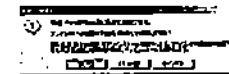
4 When the "ファイル削除の確認(Confirm the file deletions)" screen appears, check the program name to be deleted and click "はい (Yes)".

Uninstallation starts.

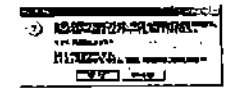
5 When the program deletion is completed, click "OK".

Uninstallation of the "FOMA PC setting software" is completed.

● Cancel "W-TCP 最適化(Optimize W-TCP)".
The screen shown below appears if "W-TCP 最適化(Optimize W-TCP)" is done. Click "Yes" to uninstal.



W-TCP optimization will be canceled after reboot.



W-TCP Settings

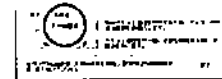
"W-TCP Settings" is a "TCP parameter setup tool" to optimize the transmission capability of TCP/IP when "packet communication" is carried out on the FOMA network. The communication settings by this software are required to make the most of communication performance of the FOMA terminal.

Setting up and cancelling optimization

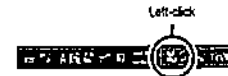
<For Windows XP>
Optimization settings by dial-up are possible for Windows XP.

1 Start the program.

- (1) If you are operating from "FOMA PC 設定ソフト(FOMA PC setting software)"
Click "W-TCP 設定(W-TCP settings)" of "マニュアル設定(Manual setup)" after starting the program.



- (2) If you are operating from the Task Tray
Click the "W-TCP icon" in the Task Tray located on the lower right-hand side of the desktop to start the program.



2 Set the followings.

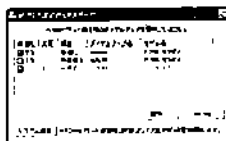
- (1) If the system settings have not been optimized



Clicking "最適化(実行)(Optimize)" displays the "W-TCP (ダイヤルアップ) 設定(W-TCP (dial-up) Settings)" screen. If you select the dial-up to be optimized and click "実行(Execute)", system and dial-up settings will each be optimized.

Close all the programs open and follow the screen instructions to reboot the PC. The optimized system settings become valid after the reboot.

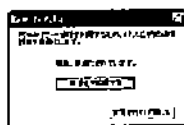
- (2) If the system settings have been optimized



The "W-TCP (ダイヤルアップ) 設定 (W-TCP (dial-up) Settings)" screen appears. If there are some changes, make changes in the settings.

Close all the programs open and follow the screen instructions to reboot the PC. The optimized system settings become valid after the reboot.

- (3) To cancel optimization



Click "システム設定 (System settings)" The "W-TCP 設定 (W-TCP settings)" screen appears. Click "最適化を解除する (Cancel optimization)". Close all the programs open and follow the screen instructions to reboot the PC. The cancellation of the optimization becomes valid after the reboot.

◀For Windows Me/Windows 2000/Windows 98▶

1 Start the program.

- (1) If you are operating from "FOMA PC設定ソフト(FOMA PC setting software)"
Click "W-TCP設定(W-TCP Settings)" of "マニュアル設定(Manual setup)" after starting the program.

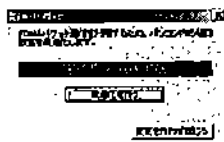


- (2) If you are operating from the Task Tray
Click the "W-TCP" icon in the Task Tray located on the lower right-hand side of the desktop to start the program.



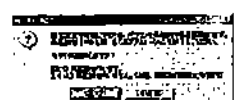
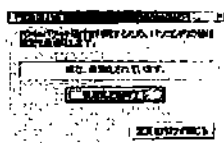
2 Proceed to next step.

- (1) If not optimized



Click "最適化を行う (Optimize)" on the "W-TCP 設定 (W-TCP Settings)" screen, close all the programs open and reboot the PC to enable the optimized settings.

- (2) If optimized



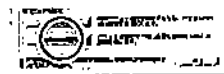
A message saying "設定、最適化されて
います (Already optimized)" appears on the "W-TCP 設定 (W-TCP Settings)" screen. To cancel the settings for communication reasons, etc. on any other terminal than a FOMA terminal, click "最適化を解除する (Cancel optimization)". Close all the programs open and reboot the PC to enable the cancellation of the optimization.

Access Point Name (APN) Settings

Set up the connecting destination (APN) for packet communication. You can set up to 10 destinations and by registering them into cid (Registration Numbers) 1 through 10.

- The APN setting (the connecting destination for FOMA packet communication) is stored in the FOMA terminal. If you connect to another FOMA terminal, therefore the APN must be registered again.
- When continuously using an APN on a PC, register the same APN setting (cid setting) number with the FOMA terminal.
- The default setting for APN1 is moperia.

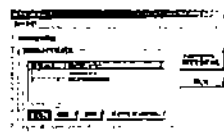
1 After starting "FOMA PC setting software", click "接続先 (APN) の設定 (Set up Connecting destination (APN))".



2 Click "OK" on the FOMA terminal settings acquisition screen.

Automatically accesses the FOMA terminal connected and reads the Connecting destination (APN) information registered. It does not start if no FOMA terminal is connected.

3 Set up the connecting destination (APN).



Adding/Editing/Removing the Access point (APN)

- To add an access point (APN)
Click "追加 (Add)" on the "接続先 (APN) の設定 (Set up Access point (APN))" screen.
- To edit a registered access point (APN)
Select the applicable access point (APN) from the list and click "編集 (Edit)" on the "接続先 (APN) の設定 (Set up Access point (APN))" screen.
- To delete a registered access point (APN)
Select the applicable access point (APN) from the list and click "削除 (Delete)" on the "接続先 (APN) の設定 (Set up Access point (APN))" screen.

The access point (APN) registered in Number (cid) 1 cannot be deleted.

Saving in File

If you want to back up the access point (APN) settings registered on the FOMA terminal and/or save the access point (APN) settings being edited, you can save the access point (APN) settings by setting from the "ファイル (File)" menu of the toolbar.

Reading from File

If you want to edit the saved access point (APN) settings and/or write into the FOMA terminal, you can read the access point (APN) settings saved on the PC by setting from the "ファイル (File)" menu of the toolbar.

Writing Access point (APN) information into FOMA terminal

Clicking "FOMA へ 送信 (Write settings into FOMA terminal)" or the "接続先 (APN) 設定 (Set up Access point (APN))" allows you to write the displayed access point (APN) settings into the FOMA terminal Dial-up creating function.

Select the address-edited access point (APN) or the "接続先 (APN) の設定 (Set up Access point (APN))" screen and click "ダイヤルアップ作成 (Create dial-up)".

When the screen for writing into the FOMA terminal appears, click "はい (Yes)". After finishing writing into the access point (APN), the "パケット通信用ダイヤルアップ作成 (Create dial-up for packet communication)" appears.

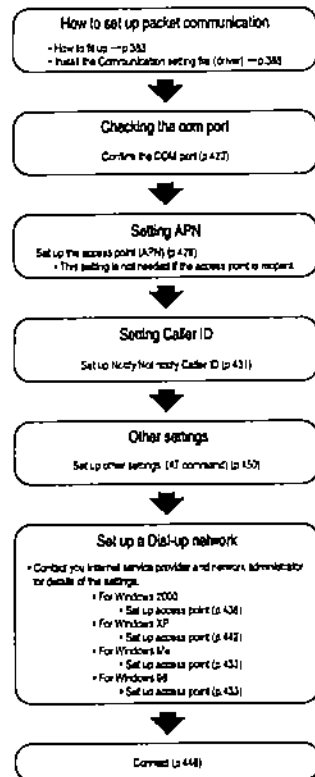
Enter any connection name you want and click "パスワード (Password) の設定 (Set up Access Password)" (not needed for moperia).

Enter the user name and password (select an available user for Windows XP or Windows 2000) and click "OK".

If your provider has given you instructions for setting IP and DNS information, click "詳細情報の設定 (Enter default information)" or the "パケット通信用ダイヤルアップ作成 (Create dial-up for packet communication)", register necessary information and click "OK".
After entering the settings, click "FOMA へ 送信 (Write the settings to the FOMA terminal)", confirm overwriting and start setting.

Setting up Dial-up Network

This section describes how to set up a dial-up connection for packet communication without using the FOMA PC setting software. The flows are as follows:



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About AT commands

- AT commands are commands for modem control. The FOMA terminal complies AT commands and supports some enhanced commands and its own AT commands.
- Entering an AT command allows you to confirm (display) the detail settings and the contents of the settings for the "Data communication" and FOMA terminal.

- Set up "Notify/Not notify Caller ID" if necessary. (To use moperla, you need to set it to "ON".)
- Set up other settings if necessary. You can use the default settings.
- Contact your internet service provider or network administrator for details of the settings.
- When the following functions are set to the FOMA terminal, the dial-up connection cannot be made.
 - "All lock" → p.200
 - "Keypad dial lock" → p.205
 - "Sail mode" → p.207

Checking the COM port

- To set up the access point (APN), you need to specify the COM port number assigned to "FOMA N900G" (Modem) built in after installing the N900G Communication setting file. This section describes how to confirm the COM port number. The COM port confirmed here will be used in the access point (APN) set up (p.428).
- If you use DoCoMo's internal connection service "moperla", you do not need to confirm the modem because the Setting up access point (APN) (p.428) is not needed. Please go to "Setting up Notify/Not notify Caller ID" (p.431).

Access points (APNs)

- For access points for packet communication, set up APN (p.428) for connection.
- The APN setting is just like registering a Phonebook for packet communication from a PC. Assign registration numbers (cid) 1 through 10 to register, which are used part of the access point number.¹⁾
- APN is administered by "cid" (administration numbers 1 through 10). Connected to the access point with the cid number if the access point number is set to "1" = "01" = "4 cid numbers".²⁾
- Since APN moperla is to connect to moperla is registered in cid Number 1 in advance, setting the access point number to "1" = "01" = "4" allows you to easily use moperla.³⁾
- The APN setting registers the access points to the FOMA terminal just like registering other parties' information (telephone number, etc.) on a mobile phone. The following is a comparison with the Phonebook of the mobile phone.

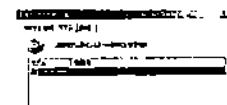
| | APN Setting | Phonebook of mobile phone |
|-----------------------|--|--|
| Data to be registered | APN | Telephone number |
| | cid | Memory number of Phonebook |
| How to register | Register using PC ○ (Use FOMA PC setting software, etc.) × (Cannot even confirm) | Other party's name (Dedicated software required) |
| | Register using Mobile phone | Specify cid to connect |
| How to use | | Look up Phonebook to call |
| | | Enter the telephone number directly from the dial button or the FOMA terminal to call. |

- ① Set up the APN setting for the access point (internet service provider) on the FOMA terminal in advance instead of entering APN in the Telephone Number column of "ダイヤルアップネットワーク (Dial-up Network)" for connection.
- ② To connect to another internet service provider, etc., set up APN and register it in cid Number 2 or higher. See p.428 for how to set up APN and make registration.

- To confirm the COM port on Windows 2000

- 1 Open "スタート (Start)" → "設定 (Settings)" → "コントロールパネル (Control Panel)".
- 2 Open "電話とモデムのオプション (Telephone and modem options)" in Control Panel.
- 3 If the "所在地情報 (Address Information)" screen is displayed, enter "市外局番 (Area Code)" and click "OK".

- 4 Click the "モデム (Modem)" tab to confirm the COM port of the "接続先 (Access point)" column of "FOMA N900G" and click "OK".



The COM port number confirmed will be used in Setting up the access point (APN) (p.428).

The contents displayed on the Properties screen and the COM port number differ depending on the PC you are using.

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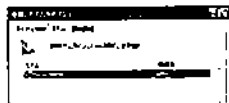
■ To confirm the COM port on Windows XP

1 Open “スタート (Start)” → “コントロールパネル (Control Panel)”.

2 Open “電話とモデムのオプション (Telephone and modem options)” from “プリンターとその他のハードウェア (Printers and other hardware)” in Control Panel.

3 If the “所在地情報 (Address Information)” screen is displayed, enter “市外局番/エリアコード (Area code)” and click “OK”.

4 Click the “モデム (Modem)” tab to confirm the COM port of the “接続先 (Access point)” column of “FOMA N900IG” and click “OK”.



The COM port number confirmed will be used in Setting up the access point (APN). (See below).

The contents displayed on the Properties screen and the COM port number differ depending on the PC you are using.

■ To confirm COM port on Windows Me/98

1 Open “スタート (Start)” → “設定 (Settings)” → “コントロールパネル (Control Panel)” → “モデム (Modem)”.

2 Confirm that “FOMA N900IG” has been set and click the “検出結果 (Diagnostics)” tab to check the COM port.

The COM port number confirmed will be used in Setting up access point (APN) (p.428).

The contents displayed on the Properties screen and the COM port number differ depending on the PC you are using.

● Setting up the access point (APN)

Default setting cid1:mopara.jp, cid2~10: not set

Communication software to enter AT commands is required for settings. This section describes how to set it up using “Hyper terminal” that comes with Windows as a standard.

- Set up the access point (APN) for packet communication. You can set up to 10 access points (APN) up by assigning registration numbers cid1 through cid10 (p.424).
- Since APN 'mopara.ne.jp' to connect to DoCoMo's Internet connection service 'mopara' has already been assigned to cid1, we recommend that you enter cid into numbers 2 through 10.
- Registered cid will be connection numbers in the dialup connection settings.
- Contact your Internet service provider or network administrator for any other access point (APN) than mopara.
- The AT commands entered in “Hyper terminal” may not be shown after Step 6 on p.430. In this case, if you enter ATE1 AT commands you enter from then on will be shown.

<Example: for Windows XP>

1 Connect the FOMA terminal to the FOMA USB connection cable.

2 Power the FOMA terminal on and connect the FOMA USB connection cable connected with the FOMA terminal with the PC.

3 Click “スタート (Start)” → “すべてのプログラム (All programs)” → “アクセサリ (Accessories)” → “通信 (Communication)” → “ハイパーターミナル (Hyper terminal)” to start Hyper terminal.

For Windows Me, Windows 2000
Open “スタート (Start)” → “プログラム (Programs)” → “アクセサリ (Accessories)” → “通信 (Communication)” → “ハイパーターミナル (Hyper terminal)”.

For Windows 98
After opening “ハイパーターミナル (Hyper terminal)”, double-click “Hyperterm.exe”.

4 Enter any name you want in the “名前 (Name)” column and click “OK”.



'sample' is entered here as an example.

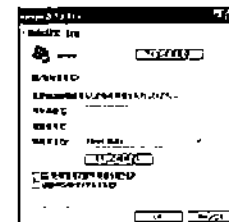
5 Select “FOMA N900IG” from “接続方法 (Connection method)”, tentatively and click “OK”.

If a COM port of “FOMA N900IG” can be selected
When Properties of the COM port is displayed, click “OK”.



In this example, “COM4” is selected. See “Checking the COM port” on p.423 to confirm the actual COM port number of “FOMA N900IG” to be selected in “接続方法 (Connection method)”.

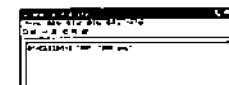
If no COM port of “FOMA N900IG” can be selected



Click “キャンセル (Cancel)” to close the “接続の既定 (Connection Settings)” screen and do the following settings:

- (1) Select “ファイル (File)” menu → “プロパティ (Properties)”.
- (2) Select “FOMA N900IG” in the “接続方法 (Connection method)” column of the “既定の接続 (Connection Settings)” tab on the “sampleのプロパティ (sample Properties)”.
- (3) Uncheck “国、地域番号と山外局番を使う (Use the Country/Region Code and Area Code)”.
- (4) Click “OK”.

6 Enter the access point (APN) and Press .



Enter in the format AT+CGDCONT=<cid>,<PPP>,<APN>.
<cid>: Enter any number from 2 to 10.

Please be cautious because if cid has been already set, the setting will be overwritten.
“APN”: Put “ ” around the access point (APN) to enter.

“PPP”: Enter “PPP” as cid.
If “OK” is displayed, the settings for the access point (APN) are completed.

(Example: To enter APN named X00Labc in cid Number(2)
AT+CGDCONT=2,PPP,'X00Labc' .

7 Confirm that "OK" is displayed, open the "ファイル (File)" menu and click "ハイパーターミナルの終了 (Close Hyper terminal)" to close the Hyper terminal.

You will be asked "セッションSampleを保存しますか(Dou you want to save the session sample?)", however, there is no need to save it in particular.

NOTE

To reset the access point (APN) settings using the AT command

- If reset, only the access point (APN) setting with cid=1 will return to "moperan.jp" (Default value), and cid=2 through 10 will be unregistered.

<How to enter>

AT+CGDCONT=<n> (to reset all cid)
AT+CGDCONT=<cid> (to reset a certain cid only)

To confirm the access point (APN) setting using the AT command

- Display the current settings.

<How to enter>

AT+CGDCONT?

If entering the AT command displays nothing on the screen

<How to enter>

ATE1

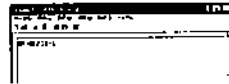
Setting up Notify/Not notify Caller ID

Default setting Set

- You can set up whether to notify/not notify (notify the access point of your caller ID or not) when "packet communication" is carried out. Since the caller ID is important information for you, please use extra care when you notify.
- You can set up the Notify/not notify Caller ID setting using the AT command prior to a dial-up connection.
- Use the *DGPIR command (See p.451) to notify/not notify the caller ID or change back to "Not set" (Default value).

1 Start Hyper terminal.

2 Set up Notify (186)/Not notify (184) Caller ID for packet communication.



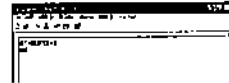
Enter in the format of "AT *DGPIR<n>".
To automatically attach 184 (Not notify) for dialing an outgoing call/answering an incoming call

Enter the following:
AT *DGPIR=1

To automatically attach 186 (Notify) for dialing an outgoing call/answering an incoming call

Enter the following:
AT *DGPIR=2

3 Confirm that "OK" is displayed and click "ハイパーターミナルの終了 (Close Hyper terminal)" of the "ファイル (File)" menu.



About 186 (Notify)/184 (Not notify) in Dial-up Network

You can attach 186/184 to the access point ID in the Dial-up network settings as well.

The table below shows what happens if you have set 186/184 both for the *DGPIR command and the Dial-up network setting.

*99 = * = 1d (for cid = 1)

| Notify/Not notify setting by *DGPIR command | Notify/Not notify Caller ID |
|---|-----------------------------|
| Not set | Notify |
| Not notify | Not notify |
| Notify | Notify |

184 = 99 = * = 1d (for cid = 1)

| Notify/Not notify setting by *DGPIR command | Notify/Not notify Caller ID |
|---|--|
| Not set | Not notify (Dial-up network notification 184 has the priority) |
| Not notify | Not notify |
| Notify | Notify |

186 = 99 = * = 1d (for cid = 1)

| Notify/Not notify setting by *DGPIR command | Notify/Not notify Caller ID |
|---|--|
| Not set | Notify (Dial-up network notification 186 has the priority) |
| Not notify | Not notify |
| Notify | Notify |

NOTE

- To change the Notify/Not notify setting by the DGPIR command back to "Not set", enter "AT *DGPIR=0".
- The Caller ID needs to be set to "Notify" to use DoCoMo's internet connection service mopers.

Setting up Dial-up

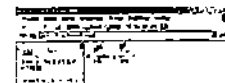
This section describes the access point to connect to DoCoMo's Internet connection service "mopers" using <cid>=1.

- Contact your internet service provider or network administrator for the settings to connect to any other provider than mopers.

Setting up dial-up on Windows 2000

1 Open "スタート(Start)"→"プログラム(Programs)"→"アクセサリ(Accessories)"→"通信 (Communication)"→"ネットワークとダイヤルアップ接続 (Network and Dial-up connections)".

2 Double-click "新しい接続の作成 (Create a new connection)" in Network and Dial-up Connections.



3 If the "所在地情報 (Address Information)" screen appears, enter "市外局番 (Area Code)" and click "OK".

The "所在地情報 (Address Information)" screen appears only when "新しい接続の作成 (Create a new connection)" is started for the first time in Step 2. This screen does not appear from the second time on, but the "ネットワークの接続ウィザード (Network Connection Wizard)" screen does instead, proceed to Step 5.

4 When the "電話とモデムのオプション (Telephone and Modem options)" screen appears, click "OK".

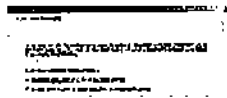
5 When the "ネットワークの接続ウィザード (Network Connection Wizard)" screen appears, click "次へ (Next)".



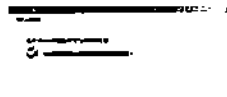
6 When the "ネットワーク接続の種類 (Network connection type)" screen appears, select "インターネットにダイヤルアップ接続する (Connect to the Internet via dial-up)" and click "次へ (Next)".

- 7** When the “インターネット接続ウィザードの開始(Start the Internet Connection Wizard)” screen appears, select “インターネット接続を手動で設定するか、またはローカルエリアネットワーク(LAN)を使って接続します(Set up an Internet connection manually or connect using Local Area Network (LAN))” and click “次へ(Next)”.

- 8** Select “電話回線とモデムを使ってインターネットに接続します(Connect to the Internet using a telephone line and a modem)” and click “次へ(Next)”.



- 9** Confirm that the “インターネットへの接続に使うモデムを選択する(Select the modem used to connect to the Internet)” has “FOMA N900IG” and click “次へ(Next)”.



If “FOMA N900IG” is not there, select it.

If no other modem than “FOMA N900IG” has been installed, this screen does not appear.

- 10** Enter the number of the access point in the “電話番号(Telephone number)” column and click “詳細設定(Advanced settings)”.



Uncheck “市外局番とダイヤル情報を使う(Use Area Code and Dial Information)”.

- 11** Set up the “接続(Connection)” tab as shown below and click the “アドレス(Address)” tab.



To connect to any other provider than mopera, enter exact information specified by the internet service provider or network administrator in “接続の種類(Connection Type)” and “ログオンの手続き(Login Procedure)”.

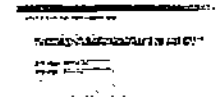
- 12** Set up the IP address and DNS (Domain Name Service) address on the “アドレス(Address)” tab as shown below and click “OK”.



To connect to any other provider than mopera, enter exact information specified by the internet service provider or network administrator in “IPアドレス(IP address)” and “ISPによるDNS(ドメインネームサービス)アドレスの自動割り当て(Automatically assign DNS (Domain Name Service) by ISP)”.

- 13** When the screen returns to Step 10, click “次へ(Next)”.

- 14** Leave the “ユーザー名(User Name)” and “パスワード>Password)” columns blank and click “次へ(Next)”.

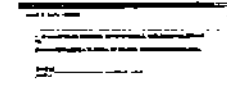


A confirmation screen appears continuously as long as you will leave the User Name and Password blank. Click “OK” for each screen.

To connect to mopera, no user name or password is required.

To connect to any other provider than mopera, as shown in the right screen enter exact information specified by the internet service provider or network administrator in “ユーザー名(User Name)” and “パスワード>Password)” columns.

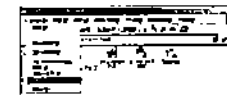
- 15** Enter any name you want in the “接続名(Connection Name)” and click “次へ(Next)”.



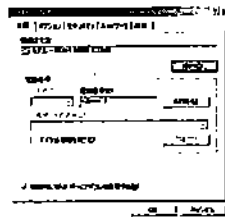
- 16** When the “インターネットメール アカウントの設定(Set up the Internet mail account)” screen appears, select “いいえ(No)” and click “次へ(Next)”.

- 17** Uncheck “今すぐインターネットに接続するにはここを選び[完了]をクリックしてください(Select this and click [Finish] to connect to the Internet immediately)” and click “完了(Finish)”.

- 18** Select the icon of the dial-up created and click “プロパティ(Properties)” of the “ファイル(File)” menu.



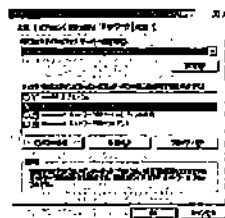
- 19 Confirm the settings in the “全般(General)” tab.



If two or more modems are connected to the PC, confirm that “Modem - FOMA N900IG” is checked off in the “接続方法(Connection method)” column. If not, check it off.

Confirm that “ダイヤル情報を使う(Use Dial Information)” is unchecked. If not, uncheck it.

- 20 Click the “ネットワーク(Network)” tab and set up each setting.



Select “PPP: Windows 95/98/NT4/2000 Internet” in the “呼び出すダイヤルアップサーバーの種類(Type of the dial-up server to call)”.

Check only “インターネットプロトコル(TCP/IP) (Internet Protocol (TCP/IP))” (or components).

- 21 Click “設定 (Settings)”.

- 22 Uncheck all checkboxes and click “OK”.



- 23 When the screen returns to Step 20, click “OK”.

Setting up dial-up on Windows XP

- 1 Open “スタート(Start)”→“すべてのプログラム(All programs)”→“アクセサリ(Accessories)”→“通信(Communication)”→“新しい接続ウィザード(New connection wizard)”.

- 2 When the “新しい接続ウィザード(New Connection Wizard)” screen appears, click “次へ(NEXT)”.



- 3 When the “ネットワーク接続の種類(Network connection type)” screen appears, select “インターネットに接続する(Connect to the Internet)” and click “次へ(NEXT)”.

- 4 When the “準備(Preparation)” screen appears, select “接続を手動でセットアップする(Set up the connection manually)” and click “次へ(NEXT)”.

- 5 When the “インターネット接続(Internet connection)” screen appears, select “ダイヤルアップモデムを使用して接続する(Connect using a dial-up modem)” and click “次へ(NEXT)”.

- 6 If the “デバイスの選択(Select the device)” screen appears, select “モデム - FOMA N900IG (COMx) (Modem - FOMA N900IG (COMx))”, and click “次へ(NEXT)”.



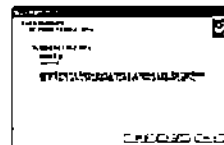
The “デバイスの選択(Select the device)” screen appears only if there are multiple modems.

(COMx) is a number of COM port number displayed in “Checking COM port” (p.42).

- 7 Enter any name you want in the “ISP名(ISP Name)” and click “次へ(NEXT)”.

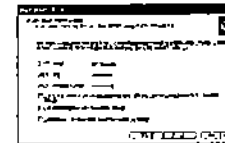


- 8 Enter the number of the access point in the “電話番号(Telephone Number)” column and click “次へ(NEXT)”.



The telephone number in the example is for connection to mopera. Enter the telephone number of the access point you actually use.

- 9 Leave the “ユーザー名(User Name)”, “パスワード(Password)” and “パスワードの確認入力(Confirm password)” columns blank and click “次へ(NEXT)”.



No user name or password is required to enter in order to connect to mopera. To connect to any other provider than mopera, enter the user name, password specified by the provider or network administrator as shown in the right screen in the “ユーザー名(User Name)”, “パスワード(Password)” and “パスワードの確認入力(Confirm Password)” columns.

- 10 When the “新しい接続ウィザードの完了(New Connection Wizard completed)” screen appears, click “完了 (Finish)”.

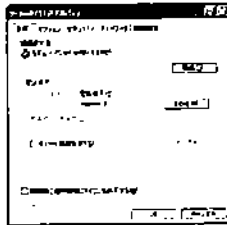
The newly created connection wizard appears.

- 11 Open “スタート(Start)”→“すべてのプログラム(All Programs)”→“アクセサリ(Accessories)”→“通信(Communication)”→“ネットワーク接続(Network connections)”.

- 12 Select the icon of the dial-up created and open “プロパティ(Properties)” of the “ファイル(File)” menu.



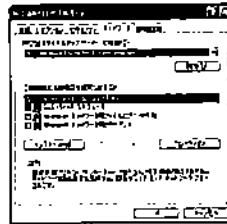
13 Confirm the settings on the "全般(General)" tab.



If two or more modems are connected to the PC, confirm that "モデム - FOMA N900G (Modem - FOMA N900G)" is checked off in the "接続方法 (Connection method)" column. If not, check it off.

Confirm that "ダイヤル情報を使う (Use Dial Information)" is unchecked. If not, uncheck it.

14 Click the "ネットワーク (Network)" tab and set up each setting.

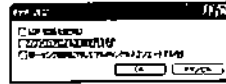


Select "PPP: Windows 95/98/NT/2000: Internet" in the "呼び出すダイヤルアップサーバーの種類 (Type of the Dial-up Server to call)".

Select "インターネットプロトコル (TCP/IP)" (Internet Protocol (TCP/IP)) in the "この接続は次の項目を使用します (Use the following items for this connection)". Since the setting of "QoSパケットスケジューラ (QoS Packet Scheduler)" cannot be changed, leave it as it is.

15 Click "設定 (Settings)".

16 Uncheck all the boxes and click "OK".



17 The Step 14 screen reappears. Click "OK".

Setting up dial-up on Windows Me/Windows 98

1 Open "スタート(Start)"→"プログラム(Programs)"→"アクセサリ(Accessories)"→"通信 (Communication)"→"ダイヤルアップネットワーク (Dial-up Network)".

When the "ダイヤルアップネットワークへようこそ (Welcome to Dial-up Network)" screen appears, click "次へ (Next)".

2 Double-click "新しい接続 (New connection)" in the Dial-up Network.

3 Perform the dial-up settings by following the instructions displayed in the screen.

Windows Me
Select "PPP: Internet, Windows 2000/NT, Windows Me" in the "ダイヤルアップサーバーの種類 (Type of the Dial-up server to call)". Check only "インターネットプロトコル (TCP/IP)" (Internet Protocol (TCP/IP)) for components.

Windows 98
Click the "サーバーの種類 (Type of server)" tab and set up each setting. Select "PPP: Internet, Windows NT server, Windows 98" in "ダイヤルアップサーバーの種類 (Type of the Dial-up server to call)". Check only "インターネットプロトコル (TCP/IP)" (Internet Protocol (TCP/IP)) for components.

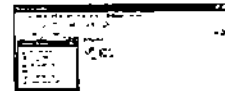
Running dial-up connection

This section describes how to make a dial-up connection for packet communication without using the FOMA PC setting software.

● For making the dial-up connection for Windows 2000, Windows Me or Windows 98, refer to the procedure below.

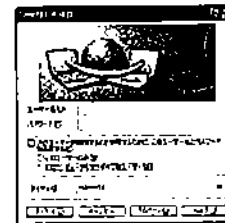
1 Open "スタート(Start)"→"すべてのプログラム (All programs)"→"アクセサリ (Accessories)"→"通信 (Communication)"→"ネットワーク接続 (Network connections)".

2 Open Access point.



Select the dial-up access point icon with the ISP name set in Step 7 on p.443 to select "ネットワークタスク (Network task)"→"この接続を開始する (Start this connection)" or double-click the icon of the access point.

3 Confirm the settings and click "ダイヤル(Dial)".



The screen on the right shows an example for modem connection. To connect to modems, no user name or password is required.

<The Connecting screen appears>



While this screen is displayed, the user name meanwhile, the log-on process such as confirmation of the user name and password is performed. When the connection is completed, a popup menu saying "(接続名)に接続しました (Connected (to the access point name))" is displayed from the indicator of the taskbar.

<Completion of the connection>



When the connection is complete, a message as shown right is displayed from the indicator of the taskbar located on the lower right of the desktop for a few seconds. You can start browser software to browse homepages and to use e-mail. If this screen does not appear, check the settings of the access point again. See p.414 for communication conditions.

How to disconnect

Just closing the internet browser may not disconnect the communication line. Follow the instructions below to disconnect for sure.

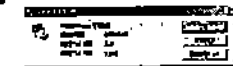
● For making the disconnection for Windows 2000, Windows Me or Windows 98, refer to the procedure below.

1 Double-click the dial-up icon in the Task tray.

The connecting screen will be displayed.



2 Click "切断 (Disconnect)".



● The communication speed displayed on the PC may be different from the actual communication speed.

● Character Entry

| | |
|--|-----|
| About Character Entry | 000 |
| Entering Characters in 5-touch | 000 |
| Creating and Changing Common Phrases | 000 |
| Cutting/Copying/Pasting Characters | 000 |
| Using Kuten Codes to Enter Characters | 000 |
| Storing Frequently Used Words | 000 |
| Resetting the Learning Record to the Default | 000 |
| Using the Downloaded Dictionary | 000 |
| Setting a Character Input Method | 000 |
| Entering Characters in T9 (Mode 3) | 000 |
| Entering Characters in 2-touch (Mode 2) | 000 |
| Switching the Screen to Operate | 000 |

About Character Entry

You can use the dial keys on the FOMA terminal to enter characters. You need character entry when using "Mail", "Add to phone book", "Text memo" and other functions. Learn how to enter characters beforehand.

The following contents are described in terms of character entry:

About the character entry screen

This section describes marks displayed in the character entry area in the character entry screen and icons displayed in the guidance area. →p.300

Character entry in 5-touch

"5-touch (Mode1)" is a method for entering the characters assigned to a key by pressing that key the correct number of times. This character input method is the default setting. This section describes how to enter kanji, hiragana, katakana, alphabets, numbers, symbols, pictographs, face symbols, common phrases, lower case characters, spaces, line feeds and others, to switch full-pitch/half-pitch characters, lower case/upper case characters, insertion mode/overwriting mode and to enter characters using the Prediction function and Kuten code in this input method.

Copying/Cutting/Pasting characters

This section describes how to copy or cut characters within the area selected in the character entry screen, and then paste them to another place. →p.317

Dictionary/Common phrases

This section describes how to store frequently used words into the own dictionary, to use dictionaries for Japanese text conversion downloaded from sites such as i-mode sites and to store common phrases. Storing dictionaries or common phrases beforehand makes your character entry easier. →p.319, p.321 and p.322

Setting a character input method

This section explains changing the input method, setting Prediction and Guidance, hiragana - kanji conversion, T9, and resetting the Prediction data. At the time of purchase the default is set so you can use both Prediction and Guidance. →p.324

T9 Input

"T9 (Mode3)" is an input method in which you only need to press the keypad with the desired character once to show a list of reading candidates from which you can choose. Here, there are more details about the basic input method and reading editing method using "T9 (Mode3)". →p.329

2-touch Input

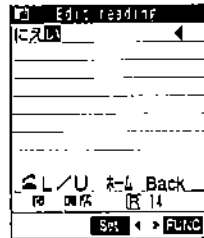
"2-touch (Mode2)" is an input method in which you enter the assigned 2-digit number on the keypad for that character. Here, there are more details about the basic input method of "2-touch (Mode2)". →p.333

Switching the screen

This section describes how to switch between the operation screen of functions and the character entry (edit) screen while these 2 screens are being displayed. Both screens are displayed only if you perform reply with reference to received mail or perform reference entry of a schedule from a received mail or i-mode screen. →p.335

About the character entry (edit) screen

The character entry (edit) screen comprises the character entry area, operation guidance area and information display area. The character entry area displays characters that you are entering, the cursor and end mark. The operation guidance area shows contents you can operate at that time, such as kanji conversion, search and area selection. The information display area indicates information including the character input method, input mode and remaining number of characters you can enter.



Character entry area

- **Cursor:** A character is entered here.
- ⏏ **End mark:** You can enter characters up to this position. The end mark position varies with functions.

Operation guidance area

- ⏏ **CHG:** Deployed when you can press **⏏** to convert characters. → p.303
- ⏏ **Alt/Find:** Indicates that you can search the phonobook in the phonobook search screen by pressing **⏏**. → p.117
- ⏏ **Fix mode/ Fix End:** Indicates that you can use the fix input mode in Mode 3 (T9). → p.322
- ⏏ **Area:** Shown when you copy (or cut) text. → p.317
- ⏏ **U:** Indicates that you can switch the entered character between upper case and lower case by pressing **⏏**. → p.302
- ⏏ **CR:** Indicates that you can insert a line feed mark **↵** by pressing and holding down **⏏** for 1 second or more. → p.307
- ⏏ **Back:** Reverses the order of the input and goes back to the previous reading in the "Mode 1 (5-touch)" every time **⏏** (Home) is pressed.

Information display area

- ⏏ **②:** Displayed when the character input method is "Mode 3 (T9)" (p.329) or "Mode 2 (2-touch)" (p.323). Nothing appears here in "Mode 1 (5-touch)".
- ⏏ **④:** Displayed when "Fix mode" is set in Mode 3 (T9). → p.322
- ⏏ **⑤:** Indicates "INS" in the insertion mode or "OVR" in the overwriting mode. → p.303
- ⏏ **⑥:** Indicates the current character input mode when the input mode is "Mode 1 (5-touch)" or "Mode 3 (T9)".
- ⏏ **⑦:** Displayed when it is "Kuten input mode". → p.314
- ⏏ **⑧:** Indicates "⏏" when you are entering a full-pitch character, and "⏏" when entering a half-pitch character. → p.322
- ⏏ **⑨:** Displayed when you are entering a lower case character. → p.302
- ⏏ **⑩:** Indicates the remaining number of characters you can enter in bytes. The number of characters is counted as 1 byte for a half-pitch character and 2 bytes for a full-pitch character. Therefore, a full-pitch character corresponds to 2 half-pitch characters. Indicates the number of characters you have entered while you are performing the phonobook panning into the FONMA card or entering copy text in SMS. It does not distinguish between full-pitch and half-pitch characters.

● You can also set the screen not to display the operation guidance. → p.327

About Character Entry

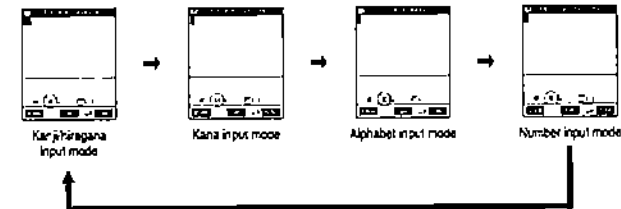
This section describes the basic character entry procedure in "5-touch (Mode 1)".

Switching mode

In the character entry screen, you can switch the input mode, full-pitch/half-pitch, lower case/upper case characters, Insertion mode/overwriting mode. Switch each mode depending on the situation.

■ **Switching the input modes**

The input modes in "Mode 1 (5-touch)" include "Kanji/hiragana input mode", "Kana input mode", "Alphabet input mode" and "Number input mode". Each time you press **⏏** (Mode), the input mode changes in order.



■ **Kanji/hiragana input mode**

Enters kanji, hiragana, katakana, symbols and numbers. Every character becomes full-pitch. "⏏" appears in the information display area.

■ **Kana input mode**

Enters half-pitch or full-pitch katakana and symbols. "⏏" appears in the information display area.

■ **Alphabet input mode**

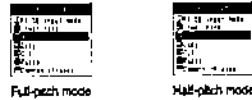
Enters half-pitch or full-pitch alphabets and symbols. "⏏" appears in the information display area.

■ **Number input mode**

Enters half-pitch or full-pitch numbers and symbols. "⏏" appears in the information display area.

Switching between full-pitch and half-pitch

To switch between full-pitch and half-pitch, select "Full pitch" or "Half pitch" from the function menu. When you switch to "Full pitch", "全角" appears in the information display area and when switching to "Half pitch", "半角" appears. In "Kanji/hiragana input mode", you cannot switch between the full-pitch and the half-pitch.



Switching between lower case and upper case characters

There are two methods to switch between lower case and upper case characters.

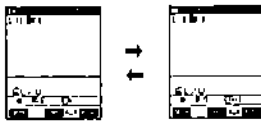
Select from the function menu

Select "Lower case" or "Upper case" from the function menu. When you switch to "Lower case", "下" appears in the information display area. Nothing appears in "Upper case".



Press [C]

Each time you highlight the character you want to switch, pressing [C], the character switches between upper case and lower case character. You can switch only if "ABC" is displayed in the operation guidance.



Switching between insertion mode and overwriting mode

When you enter a character in "Insert", the new character is inserted between the characters already entered. When you enter a character in "Overwrite", the character already entered is overwritten with the newly entered character.

To switch between the insertion mode and the overwriting mode, select "Insert" or "Overwrite" from the function menu. When you switch to "Insert", "挿" appears in the information display area and when you switch to "Overwrite", "上" appears.

When you display the character entry (edit) screen, it is always set to the insertion mode.



- When you have already entered the permitted amount of text in "insert", you will not be able to input any more text.
- If you have already entered the maximum number of characters in the "Overwrite mode", you cannot enter a full-pitch character overwriting half-pitch characters.

Entering characters

This section describes how to enter hiragana, kanji, katakana, alphabets and numbers in "5-Touch (Mode 1)".

- Overview of the keypad character assignments (5-touch input) → p.339
- Complex kanji has been partially changed or omitted. Some alphanumeric characters and symbols are also partly changed.

Entering hiragana and kanji

After you enter hiragana, convert it to kanji in block units. You can also directly set the entered hiragana without converting to kanji.

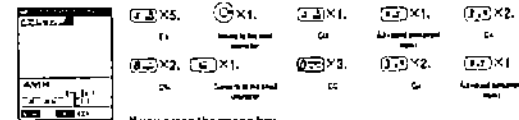
- You can enter up to 20 characters (hiragana) for conversion and convert up to 6 blocks at a time.
- The kanji you can enter is 5333 characters of the JIS level-one and level-two kanji sets.

<Example: To enter "戸田俊司">

1 Press [Mode] to switch "kanji/hiragana input mode".

Switching the input modes → p.301

2 Enter hiragana.



If you press the wrong key

Press [Del] to delete the character, and then press the correct key.

If you press the key wrong times

Press [F1].

Return to the last reading assigned to the same key.

To enter characters assigned to the same key successively

Press [F2] or hold down the key for 1 second or more.

The cursor moves, and then you can enter the next character.

To set the characters in hiragana

Press [Set].

3 Press [Convert] to convert to kanji.

The kanji candidate in the first block is highlighted and the rest is underlined ().

If the desired kanji is given

Press [Set].

The kanji is set and the next block is highlighted.

To change the conversion range

Press [F3] or [F4] to change the conversion range, and then press [Convert].

The kanji candidate is changed according to the converted range. If there is no kanji available for that conversion range, hiragana is displayed instead.

4 Press or to display conversion candidates.



Conversion candidates for the highlighted block are listed. Hiragana and katakana are also shown as conversion candidates.
If reading characters for the conversion range are all in "A" column, Numbers are also displayed as conversion candidates.

5 Select the desired kanji.

The kanji is set.

6 Press [Set].



The entered character is set and the screen returns to the edit screen for each function.

- If the desired kanji is not given, you may display it by changing the reading to anyomi or kunyomi.
- Kanji consisting of 2 or more characters that do not convert at once should be converted individually.
- You can use kanten codes to enter kanji that you cannot convert. → p. 314

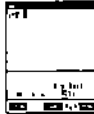
■ Entering katakana

<Example: To enter "U-9" ->

1 Press [Mode] to switch to "Kana Input mode".

Switching the input mode → p. 301

2 Enter katakana.



The entered characters are directly set.

× 2, × 4, × 1, × 1, × 4

If you press the wrong key

Press to delete the character, and then press the correct key.

If you press the key wrong times

Press .

Return to the last reading assigned to the same key.

To enter characters assigned to the same key successively

Press or hold down the key for 1 second or more.

The cursor moves, and then you can enter the next character.

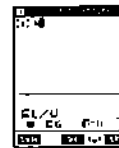
■ Entering alphabets

<Example: To enter "DoCoMo">

1 Press [Mode] to switch to "Alphabet Input mode".

Switching the input mode → p. 301

2 Enter alphabets.



The entered characters are directly set.

× 1, × 2, × 1, × 3, × 3

× 1, × 1, × 1, × 1, × 1

Converted to the next character, M, O, C, M, O

If you press the wrong key

Press to delete the character, and then press the correct key.

If you press the key wrong times

Press .

Return to the last reading assigned to the same key.

To enter characters assigned to the same key successively

Press or hold down the key for 1 second or more.

The cursor moves, and then you can enter the next character.

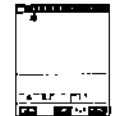
■ Entering numbers

<Example: To enter "11:30">

1 Press [Mode] to switch to "Number Input mode".

Switching the input mode → p. 301

2 Enter numbers.



The entered characters are directly set.

× 2, × 2, × 1, × 1

If you press the wrong key

Press to delete the character, and then press the correct key.

To enter numbers assigned to the same key successively

Press the same key again.

■ Inserting a space (blank)

To insert a space (blank), select "Space" from the function menu. A full-pitch space is inserted in the full-pitch input or a half-pitch space is inserted in the half-pitch input.



■ Entering a line feed



You can enter the line feed mark "J" to effect a line feed. There are two ways to enter the line feed mark "J".

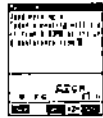
The line feed mark is counted as a full-pitch character.

■ Entering from the function menu

Move the cursor to the position you want to enter a line feed and select "Line feed" from the function menu. The line feed mark "J" is entered and the cursor moves to the next line.



- **Holding down  for 1 second or more**
Move the cursor to the position you want to enter a line feed and hold down  for 1 second or more. The line feed mark "↵" is entered and the cursor moves to the next line.



- The line feed mark can be deleted or overwritten just like any other character.
- You cannot enter the line feed mark in some I-mode text boxes.

Using prediction to enter text

Prediction is a function to display predictive and historical candidates based on the characters you have entered previously. When you enter the reading for a character, the FOMA displays predictions (predictive candidate) based on characters you have entered previously for what may follow from the entered text. In addition, when you set the entered text, the FOMA displays the text (historical candidates) that has followed that text in the past. It is useful for entering the desired text without entering all the characters manually.

- You can use Prediction in "Kanji/Hiragana Input mode" in "Mode 1 (5-touch)" or "Full-pitch Input mode" in "Mode 2 (2-touch)". You can only use the "historical candidates" in "Kanji/Hiragana Input mode" in "Mode 3 (TS)".
- For characters that have not been entered in the past, or if "Prediction" (p.326) is set to "OFF", no candidates appear when you enter the reading.


1 Enter the reading.



Predictive candidates appear in the guidance area.

2 Slide or hold down for 1 second or more.



The cursor appears in the guidance area and you will be able to select the predictive candidate.
To return to entering the reading
Press .

If no predictive candidates are displayed or if none of the predictive candidates are suitable
Enter the text normally.

3 Select a predictive candidate.




When you set the text, a historical candidate that follows the set text appears.

4 Select a historical candidate.



If no historical candidates are displayed or if none of the historical candidates are suitable
Enter the text normally.

NOTE

- When you perform "Clear learned" (p.328) of "IB/prediction", predictive candidates and historical candidates in the "Prediction" will be deleted.
- If "Pointer" is set to "OFF" in "Neuropointer" (p. 249), hold down  for 1 second or more to make predictive candidates selectable.
- The common phrases beginning with a set character are also displayed as historical candidates.

Entering pictographs and symbols

In addition to characters, you can enter pictographs and symbols in the character entry (edit) screen. Moreover, symbols and pictographs can be entered successfully.

■ Entering symbols

You can enter symbols such as brackets, Greek numbers and units.
You cannot enter full-pitch symbols in the mail address storing screen, the destination entry screen for I-mode mail, or the URL entry screen.

1 Select "Symbols" from the function menu.

The candidates of symbols appear.




2 Select the symbol to enter.

List of symbols/special characters → p.342





■ Entering symbols and face symbols with character conversion

By entering the reading of symbols or face symbols and converting them in "Kanji/Hiragana Input mode", you can enter the symbols corresponding to the reading.

■ Entering symbols

When you enter  and convert it in "Kanji/Hiragana Input mode", the symbol candidates appear. In addition, you can enter symbol names such as ,  and convert them to enter the symbols.
Symbols in Japanese Conversion → p.343

■ Entering face symbols

When you enter  or  and convert it in "Kanji/Hiragana input mode", the face symbol candidates appear. You can also enter the meanings of the face symbols such as ,  and convert them to enter the face symbols.
Face symbols → p.342

■ Entering pictographs

You can enter pictographs such as faces, weathers, animals in the character entry (edit) screen for mail texts, text memos and common phrases.

1 Select "Pictograph" from the function menu.

The pictograph candidates appear.

2 Select a pictograph to enter.

List of pictographs → p.343

■ Entering symbols or pictographs continuously

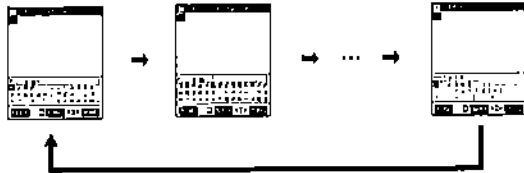
You can continue to enter symbols or pictographs by displaying the candidate screen for the symbols or the pictographs until you close the candidate screen. It is useful because you do not need call items from the function menu whenever you enter. Refer to p.342 for available symbols and p.343 for pictographs.

1 Select "PI+SB Input mode" from the function menu.

The candidates from pictograph 1 appear in the guidance area. "Current page/total pages" is displayed at the upper-right in the guidance area.

2 Press to switch the candidate screen.

The candidate screen turns to "Pictograph 1" - "Pictograph 2" - "Full pitch 1" - "Full pitch 2" - "Half pitch" in order each time you press .



3 Select a symbol or pictograph to enter.

The selected symbol or pictograph is entered. You can continue to enter other symbols or pictographs directly.



4 Press when you complete the entry.

The continuous entry of pictographs and symbols ends.

Entering common phrases

In the character entry (edit) screen, you can enter pre-stored common phrases. The common phrases include pre-stored "preset common phrases" and "own common phrases" which can be stored by yourself.

- The expression used in the preset common phrases changes according to the input mode as follows: However, preset common phrases you have changed and own common phrases are displayed with their stored expressions regardless of the input mode.

| Input method | Input mode | Displayed contents |
|---------------------------------|--|--|
| 5-touch (Mode 1) T9 (Mode 3) | Kanjiriragana input mode Kana input mode, Alphabet input mode, Number input mode | Displayed in kanjiriragana. Displayed in half-pitch katakana. |
| 2-touch (Mode 2) | Full-pitch input mode Half-pitch input mode | Displayed in kanjiriragana. Displayed in half-pitch katakana. |

- The common phrases can be entered in the following character entry (edit) screens.

- | | |
|--|---|
| <ul style="list-style-type: none"> Text memo Common phrase Folder name of common phrase Schedule ToDo Wake-up message I-mode mail subject I-mode mail text | <ul style="list-style-type: none"> I-mode mail header I-mode mail signature Quotation mark for I-mode mail Reply with reference to I-mode mail Subject for Auto-sort setting Subject for Search mail Text editing in an I-mode text box Text editing with I-ppk |
|--|---|

- For creating and editing common phrases, see p.322.
- About the fixed common phrases, see p.345.

1 Select "Common phrases" from the function menu.

2 Select a folder.

- To enter "preset common phrases"
Select folder 1 through 2.
- To enter "own common phrases"
Select folder 3 through 5.

3 Select a common phrase to enter.

The detailed screen of the common phrase appears.

4 Press [Select].

The selected common phrase is entered.

- If the total number of characters in the common phrase exceeds the permitted limit as you enter it, a message notifying you that the number of characters exceeds appears. If you select "YES", the common phrase is entered and the characters exceeding the limit are deleted from the end of the text.
- You cannot enter any common phrases if you have already entered the maximum amount of text.

Quoting phonebook data and own number data

You can quote names, readings, telephone numbers, mail addresses, street addresses, and memos stored in "Phonebook" and "Own number" in the character entry (edit) screens such as mail text and "Text memo".

- You cannot quote data in some character entry (edit) screens.

1 Select "Quote phonebook" or "Quote own number" from the function menu.

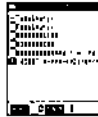
If you select "Quote phonebook"

Select "Group search" or "Column search" to search the phonebook you want to quote.
Searching the Phonebook → p.116

If you select "Quote own number"

Enter your 4 through 8 digit security code.
Security code → p.192

2 Select the item you want to quote.



When quoting the Phonebook

3 Press [Finish].

The selected item is entered.

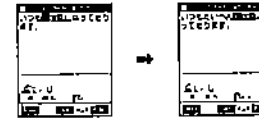
- If a string to be quoted includes a character that cannot be entered in a character entry (edit) screen, the character will be replaced with a half-pitch space.
- In character entry (edit) screens such as "Text memo" and "i-mode mail", 2 half-pitch spaces are entered between the quoted items. In the character screen where a line feed can be made such as in the SMS's character entry (edit) screen, the line feed mark (↵) is entered for each quoted item.
- You cannot quote any text if you have already entered the maximum amount.

Editing text

You can insert new characters or delete pre-entered characters to edit the text.

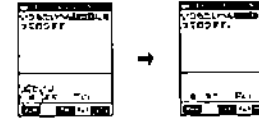
Inserting characters

Select "Insert" and then press to move the cursor one character to the right of where you want to insert the characters. When you enter the characters, the characters are inserted to the left of the cursor.



Overwriting characters

Select "Overwrite" and then press to move the cursor to the character you want to overwrite. When you enter a new character, it overwrites the character in the cursor position.



Deleting characters

Press to move to the cursor to the character you want to delete, and then press briefly (less than 1 second). The character in the cursor position is deleted.



If there is no character on the cursor
The character to the left of the cursor is deleted.

If you hold down for 1 second or more
The characters in the cursor position and every one to the right of it is deleted.

When there is no character to the right of the cursor, if you hold down for 1 second or more
All the characters are deleted.

Jumping to the top or bottom of a message

You can easily jump the cursor up to the beginning or down to the end of your message in the character entry (edit) screen. It is useful for long messages such as mail texts and text memos.

1 Select "Jump" from the function menu.

2 Select an item.

If you jump the cursor up to the beginning of the message
Select "To beginning".

If you jump the cursor down to the end of the message
Select "To end".

Protecting data being entered or edited


The entered characters do not disappear and remain even if the battery runs out or there is an incoming voice call while you are entering characters in the character entry (edit) screen.

When the battery runs out

If the low voltage alarm sounds while you are entering characters, the screen automatically changes to the message screen of "Recharge battery" from your character entry (edit) screen. The data being entered are automatically set and saved, so that you can re-enter the remaining characters after turning on the power again and calling up that function. However, in some functions, the entered data might not be saved. In addition, characters being converted and unset will not be saved.

Re-editing phonebook — p.114

When you press 

If you press  while entering characters, a message will appear to ask if you finish entering your work. If no character has been entered, the message will not appear.

<To finish entering without saving the contents being entered>

Select "YES". The data being entered are not saved and you will return to the previous screen or standby display.


You can also close the entry screen without saving the data by pressing .

<To continue editing>

Select "NO". The entered data will be preserved intact and you return to the character entry (edit) screen.

You can also return to the character entry (edit) screen by pressing .

When there is a voice call

Even if receiving a voice call while you are entering text, you can answer the call while the text being entered is as it is. The character entry (edit) screen returns when the call finishes. During a voice call, you can also press  (MULTI) to display the task menu and return to the character entry (edit) screen while talking. — p.266






Creating and Changing Common Phrases

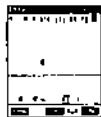
If you store common phrases beforehand, you can call and enter the phrases in the character entry (edit) screen.

Common phrases are stored in 5 folders. Folder 1 through 2 each contain 10 preset common phrases that have been pre-stored. You can edit the preset common phrases. Folder 3 through 5 are provided for storing up to 10 custom common phrases for each. You can also edit the folder names to sort the common phrases according to their purposes.

- You can store 10 common phrases in each folder, or total 50 common phrases.
- You can enter up to 64 full-pitch or up to 128 half-pitch in each common phrase.
- For contents of common phrases p.345.

Creating a new common phrase

- 1** Select  (Menu) ►  ► "Common phrases".
- 2** Select a folder.
- 3** Select <Not stored> and press  [Edit].
- 4** Enter the common phrase.



Changing common phrases

1 Select **[Menu]** ► **[C]** ► "Common phrases".

2 Select a folder.

To rename a folder
Highlight the folder of which you want to change the name, and then select "Edit folder name" from the function menu.
You can enter up to 10 full-pitch or 20 half-pitch in the folder name.

To reset a folder name
Highlight the folder of which you want to reset the name, and then select "Reset name" from the function menu.
The folder name is reset to the default setting.

3 Select the item you want to change and press **[Edit]**.

To delete a common phrase
Highlight the common phrase you want to delete, and then select "Delete text" from the function menu.

To delete all common phrases in the folder
Select "Delete all" from the function menu.

4 Change the contents.



- If you set a folder name without entering any character when editing the folder name, the folder name returns to the default setting.
- If you delete a preset common phrase, the contents return to the default setting.

Cutting/Copying/Pasting Characters

You can copy, cut and paste characters. Copied or cut characters are temporarily stored in the FOMA terminal, so that you can paste them to another part of the text or to another character entry (edit) screen.

- You can only store one set of text or characters in your FOMA terminal with copying or cutting. When you copy or cut a new set of text or characters, the old set is overwritten.

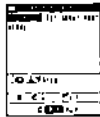
Copying (or cutting) characters

1 Select "Copy" or "Cut" from the function menu.

- 2** Move the cursor to the first character to be copied or cut and then press **Start**.



- 3** Move the cursor to the last character to be copied or cut and then press **End**.



The selected characters are temporarily stored in the FOMA terminal.
When you cut characters
The selected characters are deleted, but stored in the FOMA terminal.
When you select the part where no character is entered
It is stored as a half-inch space.

- You can also use a pointer to select the copying or cutting area. However, since it is impossible to select the area with a pointer on the mail entry screen, select **Start**.

Pasting characters

The characters that you have copied or cut can be pasted repeatedly until you copy or cut new characters or turn the FOMA terminal off.

- You can also paste the text accessed by a bar code reader. — p. 281

- 1** Move the cursor to the position where you want to paste the characters.



- 2** Select "Paste" from the function menu.



The characters are pasted.
If some of the characters cannot be entered on the character entry (edit) screen
A message notifying you that these characters are replaced with spaces appears, and the spaces are pasted.

NOTE

- If the total number of pasted characters exceeds the permitted limit, a message notifying you that the number of characters exceeds appears. If you select "YES", the entered characters are pasted, and characters that exceed the limit are deleted from the end (right side) of the text. If you select "NO", the entered characters are not pasted and the previous screen returns.
- If you have already entered the maximum characters, you cannot paste any more.

Using kuten codes to enter characters

You can enter kanji, hiragana, katakana, symbols, alphabetic characters (letters) and numbers using 4-digit kuten code.

- Select the following input mode based on your character input method before entering characters using kuten codes.

- Mode 1 (5-touch): Kanji/hiragana input mode
- Mode 2 (2-touch): Full-pitch input mode

You can switch input mode into kuten input method by function menu without setting above input mode.

- For kuten codes and characters that you can enter with kuten codes, refer to p.348.
- You can enter characters with kuten codes after the entered characters are set.

<Example: To enter "r" (kuten code 0814)>

- 1** Press **Start**.



The input mode switches to "Kuten input mode" and **K** appears in the information display area.
If the character input mode is "Mode 3 (T9)"
Select "Kuten code" from the function menu.

- 2** Enter a kuten code **0 8 1 4**.



The character corresponding to the entered kuten code is entered and the input mode returns to the original mode.
If there is no character that corresponds to the entered kuten code
A space is entered.

- Even if the character input method is "Mode 1 (5-touch)" or "Mode 2 (2-touch)", you can enter characters by selecting "Kuten code" from the function menu.

Storing Frequently Used Words

Default setting Not stored

If you store a frequently used word with your favorite reading, the stored word is displayed when you enter and convert the reading in the character entry (edit) screen. It is useful if you store words beforehand that are not displayed with standard conversion.

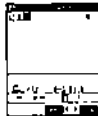
- You can store up to 100 items in your own dictionary.
- Up to 10 full-pitch or up to 20 half-pitch can be entered for each word. Up to 10 full-pitch characters of hiragana can be entered for each reading.
- The same word and reading cannot be stored.
- You cannot enter any pictograph, line feed or common phrase as words or readings. A space is automatically omitted before it is stored.
- You cannot store symbols (. , - ! ?) except for the voiced consonant mark and semivoiced consonant mark for readings.

Storing a new word

- 1 Select (Menu) ► ► "Own dictionary".
- 2 Select "New".
- 3 Enter the word.

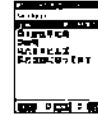


- 4 Enter the reading.



Checking the word contents

- 1 Select ► ► "Own dictionary".
- 2 Select the word you want to check.
 - If you change the word contents
Highlight the word you want to change, and then press [Edit].
 - To delete one word
Highlight the word you want to delete, and then select "Delete this" from the function menu.
 - To delete selected word
Select "Delete selected" from the function menu, and then select the words you want to delete.
 - To delete all words
Select "Delete all" from the function menu.
- 3 Check the contents.



To delete all words
Select "Delete all" from the function menu.



Resetting the Learning Record to the Default

You can reset the following learned data stored in your FOMA terminal:

- Learning dictionary of 5-touch
- Learning dictionary of "T9 (Mode 3)"
- Prediction function's predicted candidates and historical candidates

- 1 Select (Menu) ► ► "Other settings" ► "Input method".
- 2 Select "Clear learned" and enter your security code.
Security code → p.192
- 3 Select the items you want to delete.
 - To clear the learned data with "Mode 3 (T9)" and the "Prediction"
Select "T9/Expect words".
 - To clear the learned data with "Mode 1 (5-touch)"
Select "Kana/Kanji change".

Download dictionary

Using the Downloaded Dictionary

Default setting Not stored

You can download dictionaries from sites such as I-mode sites for use in Japanese text conversion and then specify the downloaded dictionaries to use for conversion. When you download and specify a dictionary of specialist terms, the specialist terms stored in the dictionary are displayed in the list of conversion candidates.

- You can store up to 5 download dictionaries and enable 2 of them.
- For how to download dictionaries, refer to p.114.

1 Select (Menu) ► ► "DL dictionary".

2 Select the dictionary you want to specify.

"*" is attached to the dictionary you have set.

To cancel the set dictionary

Select the dictionary with "*".

The specification is canceled and "*" disappears.

To check information on the dictionary

Highlight the dictionary you want to check, and then select "Dictionary info" from the function menu.

To change the title of a dictionary

Highlight the dictionary you want to change, and then select "Edit title" from the function menu.

You can enter up to 10 full-width or 20 half-width in a title.

To delete a dictionary

Highlight the dictionary you want to delete, and then select "Delete this" from the function menu.

To delete all dictionaries

Select "Delete all" from the function menu.

- If 2 download dictionaries have already been specified, a message notifying you that the dictionaries have already been specified appears. Cancel a dictionary with the "*", and then set another dictionary again.
- If you set a title without entering any character when you edit the title of download dictionary, it returns to the previous title.
- If you insert no FOMA card or another FOMA card that is not used when downloading the dictionaries, you cannot use the dictionaries.

Setting a Character Input Method

You can change the character input method used for entering characters and the settings for the Prediction function and Guidance.

Changing the character input mode

You can select 2 or more input methods used for entering characters and then specify one of those as your favorite method (Prior mode) to be used when you display the character entry (edit) screen. You can also switch the input methods while you are entering text. There are 3 input methods as follows:

| Input method | Feature | Entry example: 2024-20 |
|------------------|---|---|
| 3-touch (Mode 1) | A method for entering the characters assigned to a key by pressing that key the exact number of times. | Press (2) X5, (4) X1, (4) X3 and (2) X1 |
| 2-touch (Mode 2) | A method for entering characters assigned to a 2-digit number by entering that 2-digit number with the keys, as if you send characters to DUNDEAST. | Press (2) (2), (4) (4), (4) (3) and (2) (1) |
| Tip (Mode 3) | A method for entering characters by pressing the key of the column assigned to the character you want to enter once to display reading candidates, and then selecting one from the displayed candidates. If you continue to press the key, the reading candidates change depending on the contents. | Press (2) (2), (4) (4), (4) (3) and select "2024" from the reading candidates |

Changing the input method before entering characters

You cannot select only one character input method.

1 Select (Menu) ► ► "Other settings" ► "Input method".

2 Select "Input mode".

3 Select 2 or more input methods to use, and press [Finish].



4 Select the character input method to be given priority.

The character input methods which were not selected in Step 3, are not displayed.

Switching character input method while you are entering text

When the character entry (edit) screen appears, your preferred character input method is set. There are 2 ways to switch to another character input method in the character entry (input) screen.

The switching of the character input method is only effective in the current character entry (edit) screen. Once you finish your character entry, and display the character entry (edit) screen next time, the character input method will return to your preferred input method.

Switching from the function menus

Select "CHG input method" from the function menu to select the character input method you want to use.



Hold down [Mode] for 1 second or more.

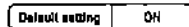
Each time you hold down [Mode] for 1 second or more, the character input method changes to "Mode 1 (5-touch)" → "Mode 2 (2-touch)" → "Mode 3 (T9)" in turn.

NOTE:

- You cannot switch to a character input method which was not selected in "input mode" in "input method".
- You cannot switch the character input method in some character entry (edit) screen for specific items such as zip code entry.

As of January 2001, the paging service provided by NTT DoCoMo is merely known as QUICKCAST.

Selecting whether to use the Prediction



You can select to use or not to use Prediction function that displays predictive candidates and historical candidates based on the previously entered words. You can turn ON/OFF Prediction function even while you are entering text.

You can use the Prediction in "Kanji Hiragana input mode" in "Mode 1 (5-touch)" and in "Full pitch input mode" in "Mode 2 (2-touch)". You can only use "the historical candidates" in "Kanji Hiragana input mode" in "Mode 3 (T9)".

Switching input mode before entering characters

- Select [Menu] ► [Settings] ► "Other settings" ► "Input method".
- Select "Prediction".
- Select the item to set.
 - To use the Prediction function
Select "ON".
 - Not to use the Prediction function
Select "OFF".

Switching the Prediction function "ON/OFF" during character entry

When the character entry (edit) screen displays, the status of Prediction function is the same as you set in "Prediction" in "Input method". To switch Prediction function On or Off in the character entry (edit) screen, select "Prediction OFF" or "Prediction ON" from the function menu. "Prediction OFF" appears when Prediction function is "ON", and "Prediction ON" appears when the function is "OFF".

The switching of Prediction function is only effective in the current character entry (edit) screen. Once you finish your character entry, and display the character entry (edit) screen next time, it will return to the status you set in "Prediction".



- Any stored predictive candidates and historical candidates will not be deleted even when you switch Prediction function On or Off.

Selecting whether to display guidance



You can select to display (ON) or not to display (OFF) the operation guidance in the character entry (edit) screen. When you set it to "OFF", the operation guidance will disappear, so that you can use the character entry area wider.

- Select [Menu] ► [Settings] ► "Other settings" ► "Input method".
- Select "Guidance".
- Select the item to set.
 - To display the operation guidance
Select "ON".
 - Not to display the operation guidance
Select "OFF".

Entering Characters in T9 (Mode 3)


"T9 (Mode 3)" is an input method for entering characters by pressing the key of the column assigned to the character you want to enter once to display reading candidates, and then selecting one from the displayed candidates. It is useful for entering characters by pressing only a few keys.

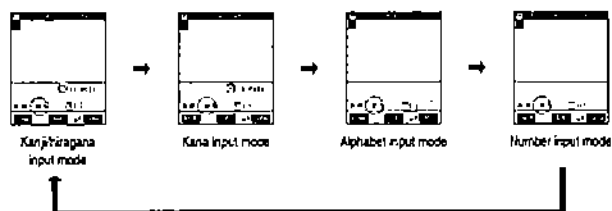
If the input mode is "Kanji/hiragana input mode", you can use historical candidates from "Prediction".

In addition, for cases that no reading candidate you want to enter appears, there are the "Yomi edit mode" function for editing an entered reading, and the "Fix mode" function for directly entering the reading you want to enter.


- You cannot use predictive candidates in "Prediction".
- For switching to "T9 (Mode 3)", see p.324.
- For how to switch the full-pitch/half-pitch mode, lower case/upper case characters, and to enter symbols, pictographs, common phrases, see "Entering characters in 5-touch" (p.301).

Switching the input mode

"T9 (Mode 3)" can be used in "Kanji/hiragana input mode" and "Kana input mode". When the FOMA is in "Alphabet input mode" and "Number input mode", the input modes in "5-touch (Mode 1)" (p.301) are used. Each time you press  [Mode], the input mode changes in turn.




■ Kanji/hiragana Input mode

Use "Mode 3 (T9)" to enter kanji, hiragana, katakana, symbols and numbers. Entered character are all full pitch.  appears in the information display area.


■ Kana Input mode

Use "Mode 3 (T9)" to enter half-pitch or full-pitch katakana and symbols.  appears in the information display area.

■ Alphabet Input mode

Use "Mode 1 (5-touch)" to enter half-pitch or full-pitch alphabets and symbols.  appears in the information display area.

■ Number Input mode

Use "Mode 1 (5-touch)" to enter half-pitch or full-pitch numbers and symbols.  appears in the information display area.

Entering characters

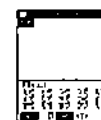
This section describes how to input text using "T9 (Mode 3)".

- List of character assignment in T9 (Mode 3) → p.340

<Example: To enter "F田">

1 Press  [Mode] to select "Kanji/hiragana mode".

2 Enter the reading.




 (f: column),  (t: column),  (voiced consonant mark)

The reading candidates are displayed by analogy with "f: t: v".

If you press a wrong key

Press  to delete the character, and then press the correct key.

If entered characters exceed the recognition area



As the characters exceeding the recognition area are grayed out, you press  to change the area of the reading candidate.

3 Slide  or hold down  for one second or more to select the reading candidate.



The selected reading candidate appears in the character entry area.

If you set "Pointer" to "OFF" in "Neuropointer"

Press  to highlight the reading candidate and then press  to select the reading candidate.

To return to the reading candidate entry

Press .

4 Convert to kanji.



When you set the character, historical candidates are displayed. You can select a historical candidate to enter the next character.
How to convert to kany → p.304

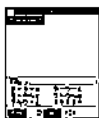
- If you change the area of the reading candidate to divide into multiple blocks, each block is stored as one word
- When you enter readings in "Add to phonebook" in the FOMA card or enter readings in "Own dictionary", no number appears as reading candidates

Editing the reading candidate

If displayed reading candidates do not include the candidate you want to enter, you can edit a reading candidate. If it does not contain a voiced consonant mark or semi-voiced consonant mark, the edited reading candidate will be displayed as the first candidate at the next entry.

<Example: To change reading candidate from "3-3-3" to "33333">

1 Enter the reading.



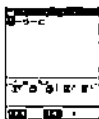
(5 column), (7 column), (5 column),
 (7 column), (7 column)

The candidates that can be analogize with "33333" appear. In that case, the first reading candidate is "3-3-3", and the reading candidate "33333" is not displayed.

2 Press [Yomi].

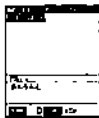
The Yomi edit mode is set and the cursor moves to the beginning of the reading candidate. The characters of "5 column" appear in the display area for the reading candidates.

3 Press the dial key corresponding to the number of the desired character.



In this example, press (5).
 When you edit the character, the cursor moves to the next character. Edit the reading in the same manner.
 If you do not change the reading
 Press to move the cursor to the character you want to edit next.
 To finish editing the reading on the way
 Press [Return].
 The characters you have changed until finishing appear as a reading character.

4 Press [Set].



The reading candidate is set. You can press to convert kanji, hiragana, or katakana.
 How to enter characters → p.304

Enter the reading with the fixed Input

If you anticipate that the characters you want to enter will not appear as a reading candidate, you can directly enter that reading in the fixed input mode. When you enter a reading in the fixed input mode, the reading candidates will not appear.

<Example: To enter reading "はため">

1 Press (Fix mode).



The fixed input mode is set and the in the information display area changes to .

2 Press the key of the column assigned to the character you want to enter.

In this case, press . The characters in "7 column" appear in the display area for reading candidates.

3 Press the dial key corresponding to the number of the desired character.



In this case, press (3).
 Enter the reading in the same manner.

4 Press (Fix END) and then [Set].



The reading candidate is set. You can press to convert kanji, hiragana, katakana, etc.
 How to enter characters → p.304

Entering Characters in 2-touch (Mode 2)

"2-touch (Mode 2)" is a method for entering characters assigned to a 2-digit number by entering that 2-digit number with the keys. The operation is the same as you send characters to a QUICKCAST.

- For switching to "2-touch (Mode 2)", see p.324.
- For how to switch the full-pitch/half-pitch mode, lower case/upper case characters and to enter symbols, pictographs, common phrases, refer to "Entering characters in 5-touch" (p.301).

Changing the Input mode

There are "Full-pitch input mode" and "Half-pitch input mode" for "2-touch (Mode 2)". The input mode switches between the two modes each time you press [Mode].



Full-pitch input mode



Half-pitch input mode

■ **Full-pitch input mode**

You can enter full-pitch kanji, hiragana, katakana, alphabets, numbers, symbols and pictographs. is displayed in the information display area.

■ **Half-pitch input mode**

You can enter half-pitch katakana, alphabets, numbers and symbols. is displayed in the information display area.

- When you enter readings in "Add to phonebook" in the FOMA card, you can enter only katakana in "Full-pitch input mode".
- As of January 2001, the paging service provided by NTT DoCoMo is thereby known as QUICKCAST.

Entering characters

This section describes how to input text using "2-touch (Mode 2)".

- List of character assignment in "2-touch (Mode 2)" → p.341

<Example: To enter "はる">

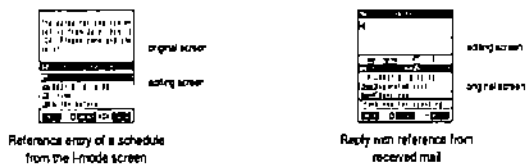
- 1 Press [Mode] to switch to "Full-pitch input mode".
- 2 Enter the characters.



- In "Mode 2 (2-touch)", you can switch between the "Lower case input mode" and the "Upper case input mode" by pressing .
- You may not enter characters in "2-touch (Mode 2)" for some functions. In that case, use "5-touch (Mode 1)" to enter characters.

Switching the Screen to Operate

The character entry (edit) screen appears over the original menu function screen when you perform reply with reference from received mail or reference entry of a schedule from a received mail or the I-mode screen, so that you can edit while viewing contents in the original menu function screen. When you finish replying with reference from received mail or storing a schedule, the original menu reappears.



- You cannot enter characters in the character entry (edit) screen while you are operating the original menu function screen.
- For the reply with reference, refer to p.183.
- To store a schedule, referring to received mail, select "Store schedule" from the function menu in the received mail (p.181) details screen.
- For the schedule, refer to p.216.

How to switch the screen to operate

When the character entry (edit) screen appears over the original menu, you can switch the screen to operate. To switch the operation screen, the following three ways are available.

- **Holding down for 1 second or more**
Each time you hold down for 1 second or more, you can switch the screen to operate.
- **Using the pointer to select screen to operate**
Slide the Neopointer key to display the pointer, and then select the screen you want to operate.
- **Selecting from the function menu**
When you select "Change window" from the function menu, the screen to operate switches.

- Even if you switch the screen to operate, the entered characters and cursor position remains the same as before switching.
- You cannot switch the operation when reading is being entered.
- If you switch the operation to a received mail or I-mode screen while the edit screen is displayed, you can only scroll the screen.

● Traveling with N900iG

| | |
|---|-----|
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International Roaming

International roaming is the ability to make/receive calls and access i-mode services using a local operator's network when you are abroad.

The N900G features International roaming using the phone number you use in Japan. You can make and receive voice/video phone calls abroad, and use communication services such as i-mode, SMS and packet communication. Convenient network services including the Voicemail service, the Call forwarding service and Roaming guidance are also available.

- The communication services and functions that are available depend on each roaming network.
- Overseas networks include 3 types of networks: 3G network, GPRS network and GSM network.
 - A 3G network is a 3rd generation mobile communication network that complies with global standard 3GPP¹⁾.
 - A GPRS network is a 2.5th generation mobile communication network that implements high speed packet communication by GPRS²⁾ on a GSM network.
 - A GSM³⁾ network is a 2nd generation mobile communication network supporting communication in digital form. The GSM network is the most widely used network type worldwide.
 - 1-1: 3GPP (3rd Generation Partnership Project)
A regional standardization organization established for the development of standardized technical specifications for the 3rd generation mobile communication system (IMT-2000).
 - 1-2: GPRS (General Packet Radio Service)
Packet communication service with maximum communication speed of 115 kbps. Widely used in Europe, China and other countries.
 - 1-3: GSM (Global System for Mobile Communications)
A mobile communication standard unified in Europe. This 2nd generation mobile communication system using a digital method is the most widely used worldwide.

NOTE

- To get the international roaming service, you need to sign up for it in advance. Network service also requires additional signup.
- For more information about the available communication services and the network coverage, refer to "XXXXX" or visit the WORLD WIDE website (<http://www.XXXXX>).

How International Roaming Works?

Overseas Availability of Functions

The functions available on overseas networks are not the same as those on the home network. While the FOMA terminal is on an overseas network, whether you can use a specific communication service or function depends on the visited network.

- Refer to "XXXXXX" for more information about the communication services available during international roaming.

■ Communication service availability on each network system

- Some network operators or regions may not provide some of the following communication services below even though they are marked as "○".

| | Network | Make/receive Voice call | Make/receive Videophone call | i-mode | Receive Msg./Request Free | Send/receive i-mode mail | Packet communication | Send/receive SMS |
|--------------------|---------|----------------------------|------------------------------------|--------|---------------------------------|-----------------------------|-------------------------|---------------------|
| Japan | FOMA | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Out of Japan | 3G | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | GPRS | ○ | × | ○ | ○ | ○ | ○ | ○ |
| | GSM | ○ | × | ○ | ○ | × | × | ○ |

○: Available

×: Not available

■1: The FOMA terminal does not perform receiving operation even when a videophone call comes in. Attempted outgoing videophone calls can only be made through automatic conversion into voice calls by setting "Voice call auto switch" (p.95) to "ON".

■2: Msg. Free cannot be received.

■ Functions not available during international roaming

| Icon display | Function | See page | Note |
|--------------|-----------------|----------|--|
| | Multi access | p.291 | Multi access is not available. Ex. You cannot send/receive an i-mode mail during a voice call. |
| | Software update | p.300 | Software update cannot be performed. |
| | Emergency call | - | 000, 08, 112, 110, 911, and 999 are preset as the overseas emergency call numbers. These numbers can be dialed even when the FOMA terminal is under the Keypad dial lock or in the Soft mode. |

Making a call

Using the international roaming service, you can make calls from abroad.

- Make sure that you have sufficient battery power and that the reception signal is sufficiently strong.
- To get the international roaming service, you need to sign up for it in advance.
- The network you are currently on is indicated by an icon. (p.37)

Making a call to Japan using the phonebook

When you call a home phone or a mobile phone in Japan from another country, you can make the international call through a set of easy steps if the phone number to call is stored in the phonebook.

- If the phone number to call is not stored in the phonebook, refer to "Making a call to a third country while you are in a foreign country" (XXX) for instructions on how to make such a call.

1 Display the phonebook detail screen.

Searching the phonebook → p.116

2 Press or [発信].

The initial "0" in the phone number is replaced with the set of "+" and Japan's country code "81". The screen shows a message asking whether you want to make an international call to this number.

3 Select "発信".

The international call is made to the phone number displayed in Step 2. If you select 「元の番号で発信」, the call is made to the phone number displayed in Step 1.

Example of calling "090XXXXXXXX"

"090XXXXXXXX" → "+8190XXXXXXXX": The phone number is replaced and displayed as the latter numeric string.

- You can take the same steps as above to make an international call when, you redial for the call you made using the phonebook, you make a call using an outgoing call record that was made using the phonebook; you make a call using an incoming call record of a phone number stored in the phonebook.

Making a call to a third country while you are in a foreign country

When you are out of Japan, you can also make international calls to a country other than Japan and the country you are currently in.

- You can make the dialing operation easier by setting country names and country codes for the phone number you frequently call in "Int'l dial setting".
- The country code of "Japan" is preset in "Int'l dial setting" at the time of purchase.
- To call an N900G user who is roaming on another overseas network or a "WORLD WONG" service user, make the call as an international call to "Japan". → p.000

■ To make a call to a country set in "Int'l dial setting"

You can easily jump the cursor up to the beginning or down to the end of your message in the character only (edit) screen. It is useful for long messages such as mail texts and text memos.

1 Enter the phone number to call.

Enter Area code + Local phone number

To display the phone number to call that is stored in the phonebook

Searching the phonebook → p.116

2 Open the function menu and select "International call" and then a country to call.

The initial "0" in the phone number is replaced with "+" and the country code.

3 Press or [Dial], and then select “発信”.

The country code is attached to the phone number and the international call is made. If you select 元の番号で発信, the call is made to the phone number displayed in Step 1.

To make a call to a country that is not set in “Int'l dial setting”

You can easily jump the cursor up to the beginning or down to the end of your message in the character entry (edit) screen. It is useful for long messages such as mail texts and text memos.

1 On the standby display, enter + (press and hold) for 1 second or more) – Country code – Area code – Local phone number.

When the area code starts with “0”, omit the initial “0” to enter. However, when you call a home phone number in Italy, you need to enter the initial “0”.

2 Press or [発信].

The international call is made.

Making a call to a phone number within a visited country

Just like in Japan, you can make a domestic call by dialing a local home phone or mobile phone number in the visited country.

1 Enter the phone number to call.

Enter Area code – Local phone number.

2 Press or [発信].

The call is made.

If you and the other party both subscribe to operators that support the FOMA videophone function^{*)}, you can make an “International videophone call” by pressing after performing the international dial setting operation. ¹⁾

*1: As of XX, 2004, international videophone calls can be made among DoCoMo (Japan), Hutchison3GUK (United Kingdom) and Hutchison3GHK (Hong Kong).

*2: On international videophone call, the image displayed on the other party's screen may be distorted or the connection may not be established, depending on the other party's handset.

*1-2: See the DoCoMo site for more information.

Receiving a call

You can receive a call while you are roaming on an overseas network.

1 When a call comes in, press or [Answer] to answer the call.

Receiving a voice call → p.000
Receiving a videophone call → p.000

When someone wants to call you on an overseas network

Making a call from Japan

While traveling, you may want someone in Japan to call you from his/her home or mobile phone. In this case, just have the person call your phone number as if you were in Japan and the call will be made to you.

090-XXXX-XXXX

or

080-XXXX-XXXX

Making a call from another country

For someone in another country to call you, the person needs to specify the “81” country code of Japan, regardless of where you are, in or out of Japan.

International Access number-81 (Japan's country code) -90-XXXX-XXXX

or

80-XXXX-XXXX

(Phone number excluding the initial “0”)

Network switch

Setting network switchover

Default setting: Auto

You can set switchover to the network to be accessed by the FOMA terminal according to the reception condition as follows:

| Setting item | Accessible network type | | | Note |
|--------------|-------------------------------------|-------------------------------------|-------------------------------------|--|
| | 3G | GPRS | GSM | |
| All | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | The FOMA terminal accesses a 3G network when it is available. When no 3G networks are available, it switches to access a GSM or GPRS network automatically. |
| 3G | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | The FOMA terminal accesses only 3G networks. If you move out of 3G network coverage, “BE” is displayed even if you are within GSM/GPRS network coverage. |
| GSM | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | The FOMA terminal accesses only GSM and GPRS networks. If you move out of GSM/GPRS network coverage, “3G” is displayed even if you are within 3G network coverage. |

This function's setting cannot be changed in the Sell mode.

1 Select (Menu) ► ► “Voice mail”.

You can obtain the same result by pressing and holding for 1 second or more when the standby display is displayed (when no task is running).

2 Select a setting item.

- This function is available during international roaming only. The FOMA terminal automatically accesses the FOMA network while in Japan, regardless of the setting of this function.
- By changing this function's setting, the setting in "NW search mode" (p.300) is also changed to "Auto".
- By changing this function's setting, the FOMA terminal newly searches and switches to a network according to the setting that was made. However, network switchover may take a long time or fail depending on radio wave and network conditions.

When you set Network switch to Auto
 When this function is set to "Auto", communication services on 3G networks are prioritized. If you move out of 3G network coverage, the FOMA terminal automatically switches to communication services on GSM/GPRS networks. Likewise, when you move back within 3G network coverage from GSM/GPRS coverage, the communication services automatically switch back to 3G network communication services.

NW search mode

Setting network detection

Default setting Auto

When the FOMA terminal exits the network it has been on, it automatically searches another available network for roaming on. You can change the setting to switch networks manually instead of the automatic search and access, or you can redetect networks to change the current one to another.

- You can preset some network operators in "PLMN setting" (p.333) to be prioritized for access through automatic detection.
- This function may not be settable depending on the radio wave conditions and network status.

Switching the network manually

- You can deactivate automatic search and access and perform a setting to allow manual network switchover. After this setting is made, network detection is performed. You will then select a network to roam on from the detected networks.

1 Select (Menu) ► ► "Network setting" ► "NW search mode".

2 Select "Manual".
 The FOMA terminal detects accessible networks automatically and displays them in list form. When "3G" is set to "Network switch", only 3G networks are detected. When "GSM" is set, only GSM/GPRS networks are detected.
 When "Manual" is already set
 The current network operator's name is displayed here. To change the network, select "ネットワーク選択" (Net) and go to Step 3.

To set back to "Auto"
 Select "Auto". If you select "Auto" when "Manual" is set, network detection is performed automatically for switchover.

3 Select a network.
 is displayed for network operators that are not available.
 To update the displayed network list
 Press (List).

- This function is available during international roaming only. When you use the FOMA terminal in Japan, it accesses the FOMA network regardless of the setting for this function.
- Even if you set this function to "Manual", it automatically change to "Auto" if the "Network switch" (AP.000A) setting is changed.
- When you move out of the coverage of the network you selected using "Manual" setting, "Select net" is displayed on the standby display.

Re-searching accessible networks

When network detection is not performed successfully while "Auto" is set to this function, or when you want to switch the current network to another network while "Manual" is set to this function, you can run a search again and switch to another network.

1 Select (Menu) ► ► "Network setting" ► "NW search mode".

2 Select "Network re-search".
 The network search is newly performed. When "Network switch" is set to "3G", only 3G networks are detected. When it is set to "GSM", only GSM/GPRS networks are detected.
 When "Auto" is set
 The network is switched automatically.
 When "Manual" is set
 Accessible networks are displayed in list form. Select a network to roam on.

PLMN setting

Setting preferred networks

The FOMA terminal automatically selects and accesses a network when it goes into international roaming or when it exits any network. You can store networks you want to access more than other networks in your PLMN list and also assign priorities to these networks.

Adding a network in your PLMN list

You can select your preferred networks from the network list preset in the FOMA terminal or you can add a new network.

- Up to 30 networks in total can be added in the preferred network list.
- You can set the network type "3G" or "GSM" for each network to be added on the list.

- To add a preferred network from the network list preset in FOMA terminal

1 Select (Menu) ► ► "Network setting" ► "PLMN setting".

2 Open the function menu and select "UPLMN by list".

3 Select a network to add as a preferred network.

To filter the listed networks
 Press [Search] displays the country list. Select a country and press [Select] to display the list of networks in the country only. Select a network from the list. To enter the country name manually, press [Search] again in the country list screen.

4 Confirm the network name and press (Select).

Name of a country : Displays the country.
 Operator name : Displays the operator.
 Operator code : Displays the operator code.

5 Set the network type.

3G : The selected network is set as a 3G network.
 GSM : The selected network is set as a GSM network. Set GSM for GPRS networks also.

■ Add a new network that is not stored in the FOMA terminal

1 Select (Menu) ► ► "Network setting" ► "PLMN setting".

2 Open the function menu and select "UPLMN manual".

3 Set each item and press (Set).

Country code (MCC) : Set the country code.
 Network code (MNC) : Set the network code.

4 Set the network type.

3G : The selected network is set as a 3G network.
 GSM : The selected network is set as a GSM network. Set GSM for GPRS networks also.

Adding the currently visited network in your PLMN list

1 Select (Menu) ► ► "Network setting" ► "PLMN setting".

2 Open the function menu and select "Set VPLMN to UPLMN".

- This operation cannot be performed if the current network is already stored in your PLMN list.
- This setting cannot be made in the Self mode.



Setting the priority ranking for your PLMN list

1 Select (Menu) ► ► "Network setting" ► "PLMN setting".

The preferred network list is displayed in descending order of priority.
 To display information of networks stored in the PLMN list
 Select a network to display information
 The country name, operator name, operator code and network technology type are displayed.
 To delete a network in the list
 Highlight the network to delete. Then open the function menu and select "Delete this".
 To delete all networks in the list
 Select "Delete all" from the function menu.

On the right of each network name, an icon is displayed, indicating its network type as follows.
 FOMA network (Japan)
 3G network (Overseas)
 GSM: GSM/GPRS network (Overseas)

2 Highlight the network to which you will set a priority ranking and open the function menu to select "Change Priority".

3 Select a priority ranking.

- The access priority set here may not be implemented.
- When "Network switch" is set to "Auto", 3G networks are prioritized for roaming, regardless of the setting of this function.

Operator name disp

Setting whether to display the network you are roaming on

Default setting Display ON

You can set whether or not to display the currently accessed network's name on the standby display during international roaming.

1 Select (Menu) ► ► "Network setting" ► "Operator name disp".

2 Specify the setting.

To display the network name on the standby display
 Select "display ON".
 To not display the network name on the standby display
 Select "display OFF".

- This function is active during international roaming only. When you use your FOMA terminal in Japan, the standby display does not show the network name regardless of the setting for this function.

Setting operations during international roaming

Subscription | Unnecessary | Monthly charge | Free

You can set the FOMA terminal's operations for an incoming voice/videophone call event during International roaming.

- On some networks, you can perform operations to activate/deactivate Roaming guidance during international roaming. For more information, refer to [FOMA Network Services User's Guide].

Activating Roaming guidance

You can set the guidance message to be announced to the caller when you have an incoming voice call or videophone call during international roaming.

- 1 Select (Menu) ► ► "Roaming setting" ► "Roaming guidance".
- 2 Select "Guidance setting".
To check the setting status
Select "Guidance request".
- 3 Select "Activate".
To deactivate Roaming guidance
Select "Deactivate".

Setting to not accept incoming calls during international roaming

You can set to not have incoming calls reach the FOMA terminal during international roaming. You can select whether to restrict incoming data communication calls only or to restrict all incoming events including voice and videophone calls.

- 1 Select (Menu) ► ► "Roaming setting" ► "Call barring".
- 2 Select "Activate BIC-roam".
To deactivate call barring
Select "Deactivate BIC-roaming" and enter the network security code.
To check the setting status
Select "BIC-roam status req."
- 3 Select a setting.
To restrict all incoming calls
Select "All incoming calls".
To restrict incoming data communication
Select "Data incoming calls".
- 4 Enter the network security code.
Network security code → p.193

Controlling network services while roaming

Subscription | Unnecessary | Monthly charge | Free

The voice mail and call forwarding services are partially available from abroad. You can also activate or deactivate roaming guidance from abroad.

- You cannot control these services from abroad when "OFF" is displayed.
- Refer to [FOMA Network Services User's Guide] for more information about network services.

Performing voice mail service operations from abroad <Voice mail (Int.)>

You can activate/deactivate the voice mail service and replaying voice mail messages.

- 1 Select (Menu) ► ► "International service" ► "Voice mail (Int.)".
- 2 Select the desired operation.
A message is displayed asking you whether to perform the selected operation.
To activate the voice mail service
Select "Activate voice mail".
To deactivate the voice mail service
Select "Deactivate voice mail".
To replay the voice messages
Select "Play messages".
To change the voice mail service settings
Select "Voice mail settings".
Under "Voice mail settings", you can change the absence guide function and the answering message.
- 3 Select "YES".
The FOMA terminal calls the voice mail center.
Perform the setting by following the guidance message directions.


Performing call forwarding service operations from abroad <Call forwarding (Int.)>

You can activate/deactivate the call forwarding service.

- 1 Select (Menu) ► ► "International service" ► "Call forwarding (Int.)".
- 2 Select the desired operation.
A message is displayed asking you whether to perform the selected operation.
To activate the call forwarding service
Select "Activate CF".
To deactivate the call forwarding service
Select "Deactivate CF".

Performing roaming guidance operations from abroad <Roaming guidance (Int.)>

You can perform Roaming guidance activation/deactivation and other operations in Japan also.

- 1 Select **[Menu]**  ► "International service" ► "Roaming guidance (Int.)".
- 2 Select "YES" or "NO".
 To activate roaming guidance
 Select "YES".
 To deactivate roaming guidance
 Select "NO".


Call FNC/i-mode

Setting the answer option for an incoming call during i-mode

Default setting Answer

You can set whether to answer or reject calls that come in during i-mode.

- When "Answer" is set, if a voice call comes in while you are on i-mode, the screen automatically switches to inform you of the incoming call.
- When "Call rejection" is set, if a voice call comes in while you are in i-mode, the screen does not switch but the call is recorded in the incoming calls list as a missed call. On the standby display, the 「不在中 (留守)」 desktop icon is displayed.

- 1 Select **[Menu]**  ► "Incoming call" ► "Call FNC/i-mode".
- 2 Specify the setting.
 To answer calls
 Select "Answer".
 To not answer calls and record them as missed calls
 Select "Call rejection".

- The above setting is active on GSM/GPRS networks only. When you are in Japan or on a 3G network abroad, the multi access function works regardless of the setting of this function. See p. XXX for details.


Call FNC/Packet

Setting the answer option for an incoming call during packet communication

Default setting Answer

You can set whether to answer or reject calls that come in during packet communication.

- When "Answer" is set, if a voice call comes in during packet communication, the screen automatically switches to inform you of the incoming call.
- When "Call rejection" is set, if a voice call comes in during packet communication, the screen does not switch but the call is recorded in the incoming calls list as a missed call. On the standby display, the 「不在中 (留守)」 desktop icon is displayed.

- 1 Select **[Menu]**  ► "Incoming call" ► "Call FNC/Packet".
- 2 Specify the setting.
 To answer calls
 Select "Answer".
 To not answer calls and record them as missed calls
 Select "Call rejection".

- The above setting is active on GSM/GPRS networks only. When you are in Japan or on a 3G network abroad, the multi access function works regardless of the setting of this function. See p. XXX for details.

● Appendix

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Menu List

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- Functions with are displayed during calls only.
- indicates that you need to hold down the key on the left of until the screen is changed.

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| Menu Item | Menu No. (Key operation) | See page |
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* Call settings and FDN setting are not available with the FOMA terminal.

Glossary

For the terms used in this manual, refer to the following:

- **DTMF**
Standing for Dual Tone Multi Frequency, it is a sound that you hear every time you press a keypad in push phones, etc. It is also called push signal, push sound or tone signal.
The signal may not be received depending on the device of the other party.
- **FDN**
This is the abbreviation of Fixed Dial Number. When "FDN setting" (p.XXX) is set to "ON", you cannot make calls or send SMS to phone numbers other than the phone numbers that are stored in the FDN List in the SIMUSIM card.
- **GPRS**
This is the abbreviation of General Packet Radio Service. GPRS is a packet communication service with a maximum communication speed of 115 kbps and is widely used in Europe, China and other countries.
- **GSM**
This is the abbreviation of Global System for Mobile Communications. GSM is a 2nd generation mobile communication system using a digital method, the mobile communication standard that is unified in Europe and is the most used worldwide.
- **PIM**
Personal Information Manager program such as "Phonebook", "Schedule", "Text memo", "Own number", "Bookmark" and "Mail".
- **PIN1 code and PIN2 code**
The PIN1 code and PIN2 code are 4- to 8-digit numbers (codes) to prevent any unauthorized use of the FOMA card.
The PIN1 code is a security code to be entered to verify a user when the FOMA terminal is turned on.
The PIN2 code is a 4- to 8-digit security code to be entered when performing "FDN setting". → p.XX
- **PUK code**
An 8-digit number required for canceling the PIN1/PIN2 code lock.
- **Byte**
A unit of the amount of data. A half-pitch character is 1 byte and a full-pitch character is 2 bytes. With a FOMA terminal, the remaining number of characters that can be entered on the character entry screen is displayed in bytes. "K" (kilo), "M" (mega) and other expressions are also used with bytes; 1,024 bytes is equal to 1 KB and 1,024 KB to 1 MB.

Overview of the Keypad Character Assignments (5-touch Input)

| Key | Kanji/Hiragana Input mode | Katakana Input mode | Letter Input mode | Number Input mode |
|-----|---------------------------|---------------------|--|--|
| 1 | あいうえお | アイウエオ | "A" "I" "O" "U" "E" "O" ▼ | 1 |
| 2 | かきくけこ | カケクコ | A B C D E | 2 |
| 3 | さしすせそ | サシセソ | D E F d o f | 3 |
| 4 | たつてとこ | タツテト | G H I g h i | 4 |
| 5 | なにぬねの | ナニヌネ | J K L j k l | 5 |
| 6 | ひふへほ | ヒフヘホ | M N O m n o | 6 |
| 7 | まみめも | マミメモ | P Q R S p q r s | 7 |
| 8 | やゆよ | ヤユヨ | T U V t u v | 8 |
| 9 | わをん | ワウロ | W X Y Z w x y z | 9 |
| 0 | ワゴン | ワゴン | | 0 |
| * | | | re go co jp ac jp www.com.html.html mailto:@domain.ne.jp | * re go co jp ac jp www.com.html.html mailto:@domain.ne.jp |
| # | | | 0 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 | # 0 1 2 3 4 5 6 7 8 9 |

- *1: Valid only when entering SMS text. Though you cannot enter "Photograph" when entering SMS text, "▼" and "▼" can be entered. The following characters are always entered as full-pitch characters: "▼" and "▼".
- *2: The lower case character of "o" can only be entered in a full-pitch input mode.
- *3: Pressing "▼" while you are in Kanji/Hiragana input mode changes the input mode to "Katakana input mode" (p.314).
- *4: Not displayed when the input mode is changed to a full-pitch input mode. (Except for "*" in Number input mode).
- *5: "re go co jp ac jp" and "www.com.html.html" are displayed only when you are in Kanji/Hiragana input mode or Katakana (full-pitch) input mode, and "mailto:@" and "re go co jp ac jp" can be prefixed to the characters entered. The characters "re go co jp ac jp" and "mailto:@" cannot be used when you enter the reading of words in your own dictionary (p.318) or when you enter the reading of words in the phonebook for the FOMA card (p.111).
- *6: Becomes a "▼" when you are in "Full-pitch input mode".
Lowercase characters can be entered in following two ways:
Enter an uppercase character first and then press "▼" to change it to lowercase.
Select "Lowercase" first from the function menu and then enter the character.

Overview of the Keypad Character Assignments (T9 Input)

| Key | Kanji/Hiragana Input mode | Katakana Input mode |
|-----|---------------------------|---------------------|
| 1 | 3rd column, 1 | 7 column, 1 |
| 2 | 7th column, 2 | 7 column, 2 |
| 3 | 7th column, 3 | 7 column, 3 |
| 4 | 7th column, 4 | 7 column, 4 |
| 5 | 4th column, 5 | 7 column, 5 |
| 6 | 4th column, 6 | 7 column, 6 |
| 7 | 3rd column, 7 | 7 column, 7 |
| 8 | 7th column, 8 | 7 column, 8 |
| 9 | 5th column, 9 | 5 column, 9 |
| 0 | ワカンモード, 0 | フロンティアモード, 0 |

Refer to the Keypad Character Assignments "5-touch input (Mode 1)" for key assignment for "Letter Input Mode" and "Number Input Mode".

- * Numbers are not displayed as candidates when entering a reading during an addition to a FOMA card phonebook or on "Own Dictionary". Candidates with "*" and "†" (dakuten and hendakuten) are switched during reading entry.
- * After readings or characters have been confirmed, "*" and "†" are displayed in the same way as "5-touch (Mode 1)".
- * The lower case of character of "フ" can only be entered in full-pitch input mode.

Overview of the Keypad Character Assignments (2-touch Input)

| Full-pitch Input mode | | Half-pitch Input mode | |
|-----------------------|------------------------|-----------------------|------------------------|
| Key | 2nd key input | Key | 2nd key input |
| 1 | あ い う え お あ い う え お | 1 | あ い う え お あ い う え お |
| 2 | か け こ け か け こ け | 2 | か け こ け か け こ け |
| 3 | さ し す せ さ し す せ | 3 | さ し す せ さ し す せ |
| 4 | た ち て っ た ち て っ | 4 | た ち て っ た ち て っ |
| 5 | な に ぬ ね な に ぬ ね | 5 | な に ぬ ね な に ぬ ね |
| 6 | は ひ へ は ひ へ | 6 | は ひ へ は ひ へ |
| 7 | ふ っ っ ふ っ っ | 7 | ふ っ っ ふ っ っ |
| 8 | ひ り り ひ り り | 8 | ひ り り ひ り り |
| 9 | え り り え り り | 9 | え り り え り り |
| 0 | わ り り わ り り | 0 | わ り り わ り り |

- A reading entered during an addition to FOMA card phonebook is in Katakana even in a full-pitch input mode.
- * Press [Shift] to switch between Uppercase input mode (top row) and Lowercase input mode (bottom row). You can also enter the character in uppercase first and then press [Shift] to change it to lowercase.
 - * Available only when it is possible to store "Pictograph" (p.303) such as "Text memo" (p.234), "Common phrases" (p.327). Note also that these characters are always entered as full-pitch characters. You cannot enter "Pictograph" while you are entering a body and if SMS. However, you can enter "*" and "†".
 - * "*" and "†" are displayed only when you are in a full-pitch input mode and the characters entered can take a "*" and "†". Any attempt to enter these characters at other times will result in a space being entered. Instead, a space is entered.

Symbols and Special Characters List

Full-pitch Symbols

| | | | | | | | | | |
|---|---|---|----|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| ! | @ | # | \$ | % | & | ' | (|) | * |
| + | = | < | > | ? | ! | ~ | ” | ” | ” |
| ± | × | ÷ | = | < | > | ? | ! | ~ | ” |
| † | ” | ” | ” | ” | ” | ” | ” | ” | ” |
| ” | ” | ” | ” | ” | ” | ” | ” | ” | ” |
| ” | ” | ” | ” | ” | ” | ” | ” | ” | ” |
| ” | ” | ” | ” | ” | ” | ” | ” | ” | ” |
| ” | ” | ” | ” | ” | ” | ” | ” | ” | ” |
| ” | ” | ” | ” | ” | ” | ” | ” | ” | ” |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| В | Г | Д | Е | З | И | Т | К | А | М | Н |
| Э | О | Р | С | Т | Ф | Х | Ц | Ч | Ш | Щ |
| Ъ | Ы | Ь | Э | Ю | Я | а | б | в | г | д |
| е | ж | з | и | к | л | м | н | о | п | р |
| с | т | у | ф | х | ц | ч | ш | щ | ъ | ы |
| ь | э | ю | я | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — |

Special Symbols

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ | ⑨ | ⑩ |
| ⑪ | ⑫ | ⑬ | ⑭ | ⑮ | ⑯ | ⑰ | ⑱ | ⑲ | ⑳ |
| ㊟ | ㊠ | ㊡ | ㊢ | ㊣ | ㊤ | ㊥ | ㊦ | ㊧ | ㊨ |
| ㊩ | ㊪ | ㊫ | ㊬ | ㊭ | ㊮ | ㊯ | ㊰ | ㊱ | ㊲ |
| ㊳ | ㊴ | ㊵ | ㊶ | ㊷ | ㊸ | ㊹ | ㊺ | ㊻ | ㊼ |
| ㊽ | ㊾ | ㊿ | — | — | — | — | — | — | — |

Half-pitch Symbols

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ | ⑨ | ⑩ |
| ⑪ | ⑫ | ⑬ | ⑭ | ⑮ | ⑯ | ⑰ | ⑱ | ⑲ | ⑳ |
| ㊟ | ㊠ | ㊡ | ㊢ | ㊣ | ㊤ | ㊥ | ㊦ | ㊧ | ㊨ |
| ㊩ | ㊪ | ㊫ | ㊬ | ㊭ | ㊮ | ㊯ | ㊰ | ㊱ | ㊲ |
| ㊳ | ㊴ | ㊵ | ㊶ | ㊷ | ㊸ | ㊹ | ㊺ | ㊻ | ㊼ |
| ㊽ | ㊾ | ㊿ | — | — | — | — | — | — | — |

If you send special symbols to a mobile phone that is not subscribed to the i-mode mail service or to a PC, they may not be displayed properly.

■ Symbols in Japanese Conversion

You can enter symbols in mail messages, etc. by entering "てんごう" while you are in Kanji/hiragana input mode, and then converting the text to display the symbol candidates. You can also enter the name of a symbol in hiragana as follows, and then convert the text into the desired symbol.

Table with 2 columns: Symbol name (entering characters) and Symbol. Includes entries like てんごう, えん, おす, etc.

Table with 2 columns: Symbol name (entering characters) and Symbol. Includes entries like しんせん, しんか, たげ, etc.

Lists of Pictographs and Smiley Face Symbols

■ List of Pictographs 1



■ List of Pictographs 2



● Pictograph 2 is not displayed properly when sending to a mobile phone or PC that is not compatible with it.

■ Smiley Face Symbol

You can enter smiley face symbols in mail messages, etc. by entering "かお" or "かおもじ" while you are in Kanji/hiragana input mode, and then converting the text to display the different smiley face symbol candidates. You can also enter the meaning of a smiley face symbol in hiragana as follows, and then convert the text into the desired smiley face symbol.

Table with 2 columns: Entering characters (Meanings) and Face symbol. Includes entries like おひがと, ばんざい, ぼー, etc.

Table with 2 columns: Entering characters (Meanings) and Face symbol. Includes entries like しんせん, しんか, たげ, etc.

Lists of Common Phrases

Folder 1 (preset common phrases)

| No | Message |
|----|---------------------|
| 1 | Sorry |
| 2 | Thank you |
| 3 | Congratulations! |
| 4 | It's time |
| 5 | Wait a minute |
| 6 | Just arrived |
| 7 | Schedule change |
| 8 | Where are you? |
| 9 | Do your best |
| 0 | What are you doing? |

Folder 2 (preset common phrases)

| No | Message |
|----|-------------------------------|
| 1 | All right |
| 2 | I hope you are well |
| 3 | Well done |
| 4 | Emergency |
| 5 | How do you think? |
| 6 | Please call |
| 7 | I will be back |
| 8 | Leave a message on voice mail |
| 9 | E-mail me via I-mode |
| 0 | Thank you for your help |

Lists of Photo Frames and Marker Stamps

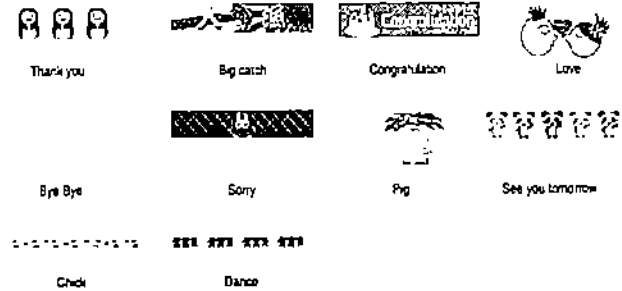
List of photo frames



List of marker stamps

| | | | | | |
|-----------|--|-------|--|------------|--|
| Crash | | Anger | | NO | |
| Heart 1 | | Right | | Person | |
| Heart 2 | | Below | | Car | |
| Kiss | | Left | | Adrenaline | |
| Tear | | Above | | Question | |
| Flame | | Here | | Surprise | |
| Lightning | | No 1 | | Shine | |
| Sorry | | No 2 | | Whirlpool | |
| Note | | No 3 | | Punch | |
| Flower | | Party | | Nose | |
| Love | | OK | | | |

Deco-mail Image List



Multi Access Combination Patterns

Major multi access combination patterns are shown below.

| Communication newly started | Make/Receive a voice call | Make/Receive a videophone call | Use i-mode | Use i-pppt | Send/Receive i-mode mail | Packet communication via PC | Send/Receive SMS |
|----------------------------------|---------------------------|--------------------------------|------------|------------------|--------------------------|-----------------------------|------------------|
| During a voice call | ○ ¹ | × | ○ | × | ○ | ○ | ○ |
| During a videophone call | × | × | × | × | × ^{1,2} | × | △ ^{2,3} |
| During i-mode | ○ | △ ^{1,2} | — | — | ○ | × | ○ |
| During packet data communication | ○ | × | × | △ ^{1,2} | × | — | ○ |

- : Can be activated.
- ×
- △ : Can be activated depending on a situation.
- : Functionally incompatible.

- ① : If you have subscribed to a network service such as the "Call waiting" service, multi access is available depending on combination.
- ② : SMS cannot be sent.
- ③ : Videophone calls cannot be received.
- ④ : During videophone calls, i-mode mail and Msg. Request/Free are not received, and are stored in the i-mode center instead. You can receive those stored i-mode mail and Msg. Request/Free by "Check new message" (p.105 and p.180 after the videophone call ends).
- ⑤ : The i-pppt which needs communication cannot be activated.

Multi Task Combination Patterns

Major multi task combination patterns are shown below.

| Function to use | Mail | i-mode menu items | i-pppt | Settings | Multimedia | Account | Network service | Phonebook | Own data | Original menu |
|------------------------------------|----------------|-------------------|--------|------------------|------------|------------------|------------------|-----------------|-----------------|---------------|
| During starting mail group | ○ ¹ | ○ | ○ | ○ ² | ○ | ○ ^{1,4} | ○ | ○ ¹⁰ | ○ | ○ |
| During starting media group | ○ | × | × | ○ ^{2,3} | ○ | ○ ^{1,4} | ○ | ○ ¹⁰ | ○ | ○ |
| During starting setting group | ○ | ○ | ○ | × | ○ | ○ ^{1,4} | × | ○ ¹⁰ | ○ | ○ |
| During starting tool group | ○ | ○ | ○ | ○ ^{2,3} | × | ○ | ○ | × | × | ○ |
| During a videophone call | × | × | × | × | × | × | × | × | × | × |
| During a voice call | ○ | ○ | × | × | × | × | ○ ^{1,2} | ○ ¹⁰ | ○ ¹⁰ | ○ |
| During media browser | ○ | △ | △ | ○ ² | ○ | ○ ^{1,4} | ○ | ○ ¹⁰ | ○ | ○ |
| During packet communication via PC | ○ | ○ | ○ | ○ ² | ○ | ○ ¹ | ○ | ○ ¹⁰ | ○ | ○ |

- : Can be activated.
 - ×
 - △ : Cannot be activated simultaneously.
 - ① : "Compose message" and "Compose SMS" are unavailable simultaneously.
 - ② : Unavailable depending on a function.
 - ③ : Only "Set local time", "Keypad sound" and "Pause dial" are available.
 - ④ : "Voice announce", "Ir exchange", "UIM operation" and "SD-PIM" are unavailable.
 - ⑤ : Only "Voice memo" is available. (Hold down (Mama/Check) for 1 second or more.)
 - ⑥ : Only "Camera", "Schedule", "ToDo", "Text memo", "Calculator", "Voice memo" and "Bar code reader" are available. However, "Bar code reader" and "Dictionary" can display the list of character recognition data and their details, but cannot scan new characters. Moreover, only "Photo mode" and "Continuous mode" are available for "Camera".
 - ⑦ : "Voice mail" cannot be played. "Voice mail" and "Additional service" cannot be set for special numbers.
 - ⑧ : "Restrictions" is unavailable.
 - ⑨ : "Common phrases", "Own dictionary" and "DL dictionary" are unavailable.
- When using the following functions, you cannot use other functions:
- Videophone
 - Downloading an i-pppt software
 - Ir exchange
 - Exporting / importing data using a miniSD memory card
 - UIM operation
 - Camera (Long play movie)
 - Editing movies/i-motion
 - Data transmission with cable connection
 - Updating software
- Some functions cannot be operated while other functions are started.

AT Command List

AT commands available on FOMA terminal

- The following abbreviations are used in the AT command list:
- [&F] : Command of which setting is initialized by AT&F command.
- [&W] : Command of which setting is saved by AT&W command. The setting can be retrieved to ATZ command.

Modem port command list

The following are the usable commands for FOMA N900IG (modem):

| AT command | Outline | Description of parameters | Command execution example |
|----------------------|---|--|--|
| AT+V | Display the version of the FOMA terminal | | AT+V Ver 1.00 OK |
| AT&C n | Select the operating condition of the circuit CD signal to DTE. | n=0: CD is always on. n=1: CD changes according to the carrier of the other party's modem (initial value). | AT&C1 OK |
| [&F] [&W] | Select the option to take signal when the output ER signal received from DTE transmits between ON and OFF. | n=0: Ignore ER status (always assumed to be ON). n=1: When ER changes from ON to OFF, it becomes an online command status. n=2: Disconnect the connection and when ER changes from ON to OFF, it becomes an offline command status (initial value). | AT&D1 OK |
| [&F] [&W] | Restores all of registers to their defaults. If the command is input during communication, the result will be disconnected. | Only n=0 can be specified (optional). | |
| AT&S n | Set the Data Set Ready signal to be output to DTE. | n=0: DS is always ON (initial value). n=1: DS signal is OFF when the line is connected (when the communication call is established). | AT&S0 OK |
| AT&W n | Store the current settings. | Only n=0 can be specified (optional). | |
| AT + DGANSM n | Set the reject/permit mode setting for the packet incoming call. This command is effective for those incoming calls after the setting command is input during the packet communication. | n=0: Disable the incoming call reject (AT+DGARL) permit setting (AT+DGARL) (initial value). n=1: Enable the incoming call reject setting. n=2: Enable the incoming call permit setting. AT + DGANSM n : Display the current setting. | AT + DGANSM=0 OK AT + DGANSM=1 = DGANSM 0 OK |
| AT + DGARL n [c] [o] | Set APN, when permits incoming packet calls, by using <code> parameter defined by AT+CGDCONT. | n=0: Add the APN defined by <code> to incoming call permission list. n=1: Delete the APN defined by <code> from incoming call permission list. If <code> is omitted, this will apply to all set. AT + DGARL n : Display incoming call permission list. | AT + DGARL =0,1 OK AT + DGARL? = DGARL,1 OK AT + DGARL =-1 OK AT + DGARL? OK |
| AT + DGARL n [c] [o] | Set APN, which rejects incoming packet calls, by using <code> parameter defined by AT+CGDCONT. | n=0: Add the APN defined by <code> to incoming call rejection list. n=1: Delete the APN defined by <code> from incoming call rejection list. If <code> is omitted, this will apply to all set. AT + DGARL n : Display incoming call rejection list. | AT + DGARL =0,1 OK AT + DGARL? = DGARL,1 OK AT + DGARL =-1 OK AT + DGARL? OK |

AT Command

AT Command List

| AT command | Outline | Description of parameters | Command execution example |
|-------------|--|---|---|
| AT + DQPR n | This command setting is effective when a call is going out or coming in. Even in the dial up network setting, you can add 168 (informed) or 184 (not informed) to the access point number (p.431). | n=0: Use APN as it is (initial value). n=1: Use APN by adding "184". (Caller ID is always not sent). n=2: Use APN by adding "199". (Caller ID is always sent). AT + DQPR n : Display the current setting. | AT + DQPR=0 OK AT + DQPR? = DQPR 0 OK |
| *** | In response to the escape sequence, the online mode changes to the online command mode while maintaining the line connection. | | (Online mode mode) --- (No display) OK |
| AT+CEER | Display the reason for disconnection of the previous call. | <error> See "List of disconnection reasons" (p.435) | AT+CEER +CEER=0 OK |
| AT+CGDCONT | Set the access point name (APN) at the line of packet originator. | p.431 | p.439 |
| AT+CGEQM n | Register the option for deciding whether or not to permit the CoS (quality of service) notified from the network side when PPP packet communication is established. | AT+CGEQM n (<parameter>) (p.436) AT+CGEQM n i : Display a list of values that can be set. AT+CGEQM n? : Display the current setting. | p.430 |
| AT+CGEQREQ | Set CoS (quality of service) that is requested to network when originating PPP packet communication call. | AT+CGEQREQ (<parameter>) (p.431) AT+CGEQREQ i : Display a list of values that can be set. AT+CGEQREQ? : Display the current setting. | p.431 |
| AT+CGMR | Display the FOMA terminal version. | | AT+CGMR 17345cccccccc OK |
| AT+CGREG=1 | Specify whether to notify the network registration result for the returned notification (shows whether you are inside or outside the service area). | n=0: Not informed (initial value). n=1: Informed. Informed when switching between "inside the service area" and "outside the service area" is completed. AT+CGREG? : Display the current setting. +CGREG: <n>,<stat> n: Set value stat: 0: Out of packet area 1: Within packet area 4: Unknown 5: Within packet area (during roaming) | AT+CGREG=1 OK (Set to informed) AT+CGREG? +CGREG:1,0 OK (Meaning "outside the service area") [When you move from "outside the service area" to "inside the service area"] +CGREG:1 |
| [&F] [&W] | | | |
| AT+CGSN | Display the product number of FOMA terminal. | | AT+CGSN 12345cccccccc OK |
| AT+CMEE=n | Set whether the error reports of the FOMA terminal is present. | Set whether the error report of the FOMA terminal is present. n=0: Use the usual ERROR result (initial value). n=1: +CMEE ERROR <err> result code is used, and a numerical value is used for <err>. n=2: +CMEE ERROR <err> result code is used, and characters are used for <err>. AT+CMEE? : Display the current setting. The command shows on the right is the execution example for cases when there is a FOMA terminal problem or a connection error. | AT+CMEE=0 OK AT+CMEE ERROR AT+CMEE=1 OK AT+CMEE +CMEE ERROR 10 AT+CMEE=2 OK AT+CMEE +CMEE ERROR, SSM not inserted |
| [&F] [&W] | | | |
| AT+CHUP | Display the FOMA terminal's own phone number. | number, phone number <type 123 or 143> 123: International access code (-) is not included. 143: International access code (+) is included. | AT+CHUP +CHUP: "-8190cccccccc",143 OK |

AT Command

AT Command List

| AT command | Outline | Description of parameters | Command execution example |
|---------------------|---|--|--|
| AT+CR= | When the line is connected, display the bearer service type before the CONNECT result code is displayed. | n=0: Not display (initial value) n=1: Display Display only "GPRS", which means packet communication. AT+CR? Display the current setting | AT+CR=1 OK ATD+99+0+0+18 -CR: GPRS CONNECT |
| [B]:[M] AT+CRCL= | Set whether to use the extended result code for the incoming call | n=0: Not use (-CRCL) (initial value) n=1: Use (-CRCL) (option). Format of -CRCL: -CRCL: : GPRS "PPP", "xAPb" AT+CRCL : Display the current setting | AT+CRCL=0 OK AT+CRCL? -CRCL: 0 OK |
| [B]:[M] AT+CREG= | Specify whether the result display is present regarding the inside/outside the service area information display. *This setting may not be available depending on the OS | n=0: Not informed (initial value) n=1: Informed. Informed when switching between "inside the service area" and "outside the service area" is completed. AT+CREG? : Display the current setting +CREG: <n>, <stat> n: Set value stat: 0: Outside voice call area 1: Inside voice call area 4: Unnumber 5: Inside voice call area (during roaming) | AT+CREG=1 OK (Set to informed) AT+CREG? +CREG: 1,0 OK (Showing "outside the service area") (When you move from "outside the service area" to "inside the service area") +CREG: 1 |
| [B]:[M] AT+GMR | Display the manufacturer name (MEG) | - | AT+GMR MEG OK |
| AT+GMM | Display the FOMA terminal product name (FOMA HX00G) | - | AT+GMM FOMA HX00G OK |
| AT+GMV | Display the version of the FOMA terminal | - | AT+GMV Ver1.00 OK |
| AT+IFC= | Select the flow control method | n: DCE by DTE n: DTE by DCE 0: No flow control 1: XON/XOFF flow control 2: RTS/CTS (RTS/CTS) flow control Initial value: n=0, stat=2 AT+IFC? Display the current setting | AT+IFC=2 OK |
| [B]:[M] AT+WSA= | Select the FOMA terminal radio communication network | n=2: Only WCDMA (Wideband CDMA) can be specified (initial value) | AT+WSA=2 OK |
| ATA | Handle the incoming call process according to the mode received by the FOMA terminal | - | RRIG ATA CONNECT |
| A | Escape the text entered command again. No carriage return is necessary. | - | A OK |
| ATD | Handle the automatic calling process for the FOMA terminal according to the specified parameters and dial parameters | ATD+99+0+0+stat: Packet communication stat: 1 to 10 displays APN with +CONNECT setting. AT+CBST+118,1,0 ATD+phone number: 64K communication AT+CBST+131,1,0 ATD+phone number: AV32K communication AT+CBST+134,1,0 ATD+phone number: AV64K communication | <Packet communication> ATD99000000 CONNECT <64K communication> AT+CBST+118,1,0 OK ATD090000000000 CONNECT <AV32K communication> AT+CBST+131,1,0 OK ATD090000000000 CONNECT <AV64K communication> AT+CBST+134,1,0 OK ATD090000000000 CONNECT |

| AT command | Outline | Description of parameters | Command execution example |
|-------------------|--|--|--|
| ATE n [B]:[M] | Select whether the echo back is present for DTE in the command mode | n=0: Echo back not present n=1: Echo back present (initial value) | ATE=1 OK |
| ATH n | Perform on-hook operation for the FOMA terminal | n=0: Disconnect the line (optional). | (During packet communication) +++ ATH NO CARRIER |
| ATI n | Display the ID code | n=0: Display "NTT DoCoMo". n=1: Display the product name (same with +GMR) n=2: Display the version of the FOMA terminal (same with +GMV) | ATI NTT DoCoMo OK ATI1 FOMA HX00G OK |
| ATQ n | Return from the online command mode to the online data mode during communication | n=0: Return from online command mode to online data mode (optional) | ATQ CONNECT |
| ATQ n [B]:[M] | Specify whether or not to display the result code for DTE | n=0: Display the result code (initial value) n=1: Not display the result code | ATQ0 OK ATQ1 (At first time, OK is not returned) |
| ATSD=n | Specify how many times the FOMA terminal rings before it automatically receives a call. | n=0: No automatic reception (initial value) n=1-255: A call is automatically answered after the specified number of rings. ATSD? : Display the current setting | ATSD=0 OK ATSD? 000 OK ATSD? : Display the current setting |
| ATSZ=n [B]:[M] | Set an escape character | n=1: Initial value n=127: Escape processing is invalid. ATSD? : Display the current setting | ATSD=43 OK ATSD? 643 OK |
| ATSL=n [B]:[M] | Set a carriage return (CR) character. | n=13: Initial value (Only n=13 can be specified) ATSL? : Display the current setting | ATSL=13 OK ATSL? 013 OK |
| ATSH=n [B]:[M] | Set a line feed (LF) character | n=10: Initial value (Only n=10 can be specified) ATSH? : Display the current setting | ATSH=10 OK ATSH? 010 OK |
| ATSS=n [B]:[M] | Set a backspace (BS) character | n=8: Initial value (Only n=8 can be specified) ATSS? : Display the current setting | ATSS=8 OK ATSS? 008 OK |
| ATSZ=n [B]:[M] | Disconnect the line if the connection cannot be established within a specified period after making a call | n=1 to 120 (The initial value is 60) (seconds) 121 to 255 will be regarded as 170 ATSZ? : Display the current setting | ATSD=60 OK ATSD? 060 OK |
| ATV 1 [B]:[M] | Specify whether the result code is returned in numerical or alphabetical characters | n=0: Return the result code in numerical value. n=1: Return the result code in character (initial value) | ATV1 OK |
| ATX n [B]:[M] | Specify whether the speed indicator is present in the CONNECT display when connecting the line. Also detect a busy tone or a dial tone | n=0: Without dial tone detector, without busy tone detector, without speed display. n=1: Without dial tone detector, without busy tone detector, with speed display n=2: With dial tone detector, without busy tone detector, without speed display n=3: Without dial tone detector, with busy tone detector, with speed display n=4: With dial tone detector, with busy tone detector, with speed display (initial value) | ATX1 OK |
| [B]:[M] ATZ | Reset the current setting to the contents of the non-volatile memory. If this command is input during communication, the line will be disconnected | - | (Online) ATZ NO CARRIER (Offline) ATZ OK |

| AT command | Outline | Description of parameters | Command execution example |
|--------------------|---|---|---|
| AT+V | Display the contents of commands and S registers currently set. | | AT+V E1:001Y JK & G1 A2P:0501 Y0 S000-000 S002-043 S003-013 S004-010 S005-008 S006-026 S007-050 S008-003 S010-001 S030-001 S103-001 S104-001 OK |
| AT+V n [&T][&W] | Specifies the response code specification for connecting the line | n=0: Not use extended result code (result value) n=1: Use extended result code | AT+V0 OK |
| AT+CPW | Enter the PIN code in the FOMA terminal | Format: AT+CPW<pin>[,<newpin>] The command to enter the PIN code, PUK code or the PLUK code of the FOMA terminal. PIN and PUK codes are entered in <pin> if the FOMA terminal displays the screen for entering PIN and PUK codes respectively. If PIN or PUK code are locked and the PLUK code is entered to cancel other, the PLUK code is entered in <pin>, and then the new code of the locked PIN or PUK is entered in <newpin>. Do not use this command to change PIN code. Put <pin> and <newpin> in "" PIN code "1234" on the right is an entry sample of PUK code "12345678". (The status in which +CPW SMI PUK is answered when +CPW? is entered) AT+CPW="1234" OK (The status in which +CPW PLUK is answered when +CPW? is entered. PIN lock state) AT+CPW="12345678" "234" OK (The status in which +CPW PLUK is answered when +CPW? is entered. PIN lock state) AT+CPW="12345678" "1234" OK AT+CPW? +CPW:READY OK AT+CPW? OK | (The status in which +CPW READY is answered when +CPW? is entered) AT+CPW="1234" ERROR (The status in which +CPW SMI PIN is answered when +CPW? is entered) AT+CPW="12345678" "1234" ERROR (The status in which +CPW SMI PIN is answered when +CPW? is entered) AT+CPW="1234" OK |
| AT+CLIP n | Displays the other party's Caller ID on a PC when a FAX data communication call is received | n=0: Display the result (Default) n=1: Not display the result Result: +CLIP (n,m) n=0: NW setting not notifying the other party of the Caller ID outgoing call n=1: NW setting notifying the other party of the Caller ID n=2: Unknown | AT+CLIP=0 OK AT+CLIP=? +CLIP:0,1 OK (A call is received when CLIP is set) RING-CLIP "00000000",177 "123",130 |

| AT command | Outline | Description of parameters | Command execution example |
|------------|--|--|---|
| AT+CLIR | Sets whether or not to notify the other party of the phone number when originating a FAX data communication call. | n=0: Notify (Not notify) the caller's phone number in correspondence with the CLIR service contract. n=1: Not notify the other party of the caller's phone number. n=2: Notify the other party of the caller's phone number (Default) Result: +CLIR (n,m) n=0: CLIR is not started (Caller ID is always sent) n=1: CLIR is started (Caller ID is always not sent) n=2: Unknown n=3: CLIR temporary mode (default is not notify) n=4: CLIR temporary mode (default is notify) | AT+CLIR=0 OK AT+CLIR=? +CLIR:0,1 OK AT+CLIR=? +CLIR:0,2 OK |
| AT+CGREG n | Sets whether or not to notify the network registration condition. The contents to be notified are the kinds to exclude the service area. | n=0: Not notify the non-requested Result (Default) n=1: Notify the Non-requested Result AT+CGREG? +CGREG: <sv>, <sv> n: Set value sv: 0: Outside of packet area 1: Within packet area 4: Unknown 5: With packet area (during roaming) | AT+CGREG=0 OK AT+CGREG? +CGREG:0,1 OK AT+CGREG=? +CGREG:0,1 OK |
| AT+SD | Disconnects the line when there is no user data exchange for the time set in the command. | n=0: Inactive timer off (Default) n=1: 255 | AT+SD=0 OK AT+SD? 000 OK AT+SD=? ERROR AT+SD=0-7 OK AT+SD=? 000 OK AT+SD=? ERROR |
| AT+SD n | Sets the called secondary character. | n=0: # n=1: / (Default) n=2: * (mark or back slash) | AT+SD=0 OK AT+SD=? 000 OK AT+SD=? ERROR |
| AT+SD n c | Sets the calling subaddress character. | n=0: # n=1: / (Default) n=2: * | AT+SD=0 OK AT+SD=? 000 OK AT+SD=? ERROR |
| AT+DAUTE | Displays the number of antennas on the mobile phone. | =0: The antenna of the mobile phone is out of the area =1: Number of antennas is 1 =2: Number of antennas is 2 =3: Number of antennas is 3 | AT+DAUTE = DAUTE:3 OK AT+DAUTE=? = DAUTE:0-3 OK |
| AT+DRPW | Displays the indicator value of the receiving power of the mobile phone. | | AT+DRPW = DRPW:0 OK AT+DRPW=? = DRPW:0-75 OK |

■ Supplementary explanation of AT command

■ Commands which do not function

The following commands do not generate errors but will not function as a command:

- AT (Input only AT)
- ATT (Tone setting)
- ATP (Pulse setting)
- ATSS (Set pause time before dialing)
- ATSS8 (Set pause time by comma dial)
- ATSS10 (Set automatic disconnection delay time)

■ Command name: +CGDCONT [M]

• Outline

Set the access point name (APN) for packet origination. Though this command is a setting command, it will not be recorded in non-volatile memory written by [&W], nor reset by [&F] or [Z].

• Format

+CGDCONT=[<cid>[,"PPP"[,"<APN>"]]]

• Explanation of the parameters

Set the access point name (APN) for packet origination. For a setting example, see the following command execution example:

<cid> : 1 to 10
<APN> : Any value

!!!: <cid> is a number for managing the access point name (APN) registered in the FOMA terminal for a packet communication. For the FOMA terminal, you can register from number 1 to 10. "mopera.ne.jp" is registered as an initial value to <cid>=1, which can be rewritten.

<APN> is an arbitrary character string showing each access point name.

• Operation performed when the parameter is omitted

+CGDCONT= : Set the initial value to all <cid>.
+CGDCONT=<cid> : Set the specified <cid> to the initial value.
+CGDCONT=? : Display a list of values that can be set.
+CGDCONT? : Display the current setting.

• Command execution example

Command for registering an APN name of "abc" (when cid is 3).
AT+CGDCONT=3,"PPP","abc"
OK

■ Command name: +CGEQMIN=[parameter] [M]

• Outline

Register a criterion to be used to decide whether or not to allow the QoS (quality of service) that is informed from the network side when PPP packet communication is established. The 4 setting patterns as described in the following command execution example can be used. Although this command is a setting command, it will not be recorded in non-volatile memory written by [&W], nor reset by [&F] or [Z].

• Format

+CGEQMIN=[<cid>[,"<Maximum bit rate UL>[,"<Maximum bit rate DL>"]]]

• Explanation of the parameters

<cid> : 1 to 10
<Maximum bit rate UL> : None (initial value) or 64
<Maximum bit rate DL> : None (initial value) or 384

!!!: <cid> is a number for managing the access point name (APN) registered in the FOMA terminal for a packet communication. For the FOMA terminal, you can register from number 1 to 10. <Maximum bitrate UL> and <Maximum bitrate DL> set the minimum communication speed (kbps) of uplink and downlink between the FOMA terminal and base station. When it is set to "None" (initial value), all speeds will be permitted, but when set to 64 or 384, a connection at a speed of other values will not be permitted, at which time a packet communication may not be connected.

• Command execution examples

+CGEQMIN= : Set the default value to all <cid>.
+CGEQMIN=<cid> : Set the specified <cid> to the default value.

• Explanation of the parameters

Only the following 4 patterns can be set. (1) is set as an initial value to each cid.

- (1) Command for permitting all speeds of both uplink and downlink (when cid is 2)
AT+CGEQMIN=2
OK
- (2) Command for permitting only the speed of uplink 64kbps and downlink 384kbps (when cid is 3)
AT+CGEQMIN=3,,64,384
OK
- (3) Command for permitting uplink 64kbps and all speeds of downlink (when cid is 4).
AT+CGEQMIN=4,,64
OK
- (4) Command for permitting all speeds of uplink and only 384kbps of downlink (when cid is 5)
AT+CGEQMIN=5,,,384
OK

■ **Command name:** +CGEQREQ=[parameter] [M]

• **Outline**

Set the QoS (quality of service) to be requested to network when originating a PPP packet communication.
 For setting, only the pattern shown in the command execution example can be set, which is also set as an initial value.
 Although this command is a setting command, it will not be recorded in non-volatile memory written by [S], nor reset by [R] or [Z].

• **Format**

+CGEQREQ=<cid>

• **Explanation of the parameters**

<cid>*: 1 to 10

※: <cid> is a number for managing the access point name (APN) registered in the FOMA terminal for a packet communication. For the FOMA terminal, you can register from number 1 to 10.

• **Operation performed when the parameter is omitted**

+CGEQREQ= : Set the default value to all <cid>.
 +CGEQREQ=<cid> : Set the specified <cid> to the default value.

• **Command execution example**

Only the following pattern can be set. This is set to each cid as an initial value.
 Command for requesting a connection at a speed of uplink 64kbps and downlink 384kbps (when cid is 3).
 AT+CGEQREQ=3
 OK

Saving modem port command setting value

The values set by AT commands are initialized every time the power of FOMA terminal is turned on or off, except the access point name (APN) set by AT+CGDCONT command (p.428). QoS setting by AT+CGEQREQ/AT+CGEQREQ command, permit or reject setting by AT+DGAFL/AT+DGAFL/AT+DGAHSM command and the setting for specifying sending/receiving caller ID of packet communication set by AT+DGRPR command. However, you can save the values set by commands with [S] if you enter AT+S if after the setting. In this case, other set values with [S] will also be saved. These values can be retrieved by entering ATZ even after the power is turned on or off.

Examples of result codes

■ **Result codes related with data communication**

| Number indication | Character indication | Description |
|-------------------|----------------------|-----------------------------------|
| 0 | OK | Normally executed |
| 1 | CONNECT | Connection made |
| 2 | RDVG | Incoming call |
| 3 | NO CARRIER | Line disconnected |
| 4 | ERROR | Command not acceptable |
| 5 | NO DIALTONE | Unable to detect dialing tone |
| 6 | BUSY | Busy tone detected |
| 7 | NO ANSWER | Time out in connection completing |
| 100 | RESTRICTION | Network on hold |
| 101 | DELAYED | Restrict dialing for retail |

■ **Extended result codes**

| Number indication | Character indication | Description |
|-------------------|----------------------|---|
| 5 | CONNECT 100P | Connection between the FOMA terminal and PC at 1,200bps |
| 10 | CONNECT 240P | Connection between the FOMA terminal and PC at 2,400bps |
| 11 | CONNECT 480P | Connection between the FOMA terminal and PC at 4,800bps |
| 13 | CONNECT 720P | Connection between the FOMA terminal and PC at 7,200bps |
| 12 | CONNECT 960P | Connection between the FOMA terminal and PC at 9,600bps |
| 15 | CONNECT 1440P | Connection between the FOMA terminal and PC at 14,400bps |
| 16 | CONNECT 1920P | Connection between the FOMA terminal and PC at 19,200bps |
| 17 | CONNECT 3840P | Connection between the FOMA terminal and PC at 38,400bps |
| 18 | CONNECT 5760P | Connection between the FOMA terminal and PC at 57,600bps |
| 19 | CONNECT 11520P | Connection between the FOMA terminal and PC at 115,200bps |
| 20 | CONNECT 23040P | Connection between the FOMA terminal and PC at 230,400bps |
| 21 | CONNECT 46080P | Connection between the FOMA terminal and PC at 460,800bps |

■ **Communication protocol result code**

| Number indication | Character indication | Description |
|-------------------|----------------------|---|
| 1 | PPPOverUD | Connected by PPPOverUD (BCU LDK + CBST=116,1,0) |
| 2 | AV32K | Connected by AV (Video-phone) [32K] |
| 3 | AV64K | Connected by AV (Video-phone) [64K] |
| 5 | PACKET | Connected by PACKET |

- The result code appears as character indication (default value) when ATV/n command (p.454) is set to n=1, and as number indication when the command is set to n=0.
- Though the communication speed appears in order to maintain a compatibility with the modem connected by traditional RS-232C, it differs from the actual connection speed because the FOMA terminal and PC are connected by a USB connection cable.
- "RESTRICTION" (Number indication: 100) indicates that the packet network is congested. If this is displayed, wait a while and try again.

Result code display example

■ When ATX0 is set

Regardless of the ATVV n (p.455) setting, only CONNECT appears when the connection is completed.

Character indication example: ATD*99***1#
CONNECT
Numeral indication example: ATD*99***1#
1

■ When ATX1 is set

• When ATX1, ATVV0 are set (default)

Display in CONNECT <rate between the FOMA terminal and the PC> PACKET <Connecting party's APN/> <Upstream (the FOMA terminal→Wireless base station) maximum rate/> <Downstream (the FOMA terminal←Wireless base station) maximum rate >

Character indication example : ATD*99***1#
CONNECT 460800
Numeral indication example : ATD*99***1#
1 21

• When ATX1, ATVV1 are set*

The following format appears when the connection is completed:

CONNECT <rate between the FOMA terminal and the PC> PACKET <Connecting party's APN/> <Upstream (the FOMA terminal→Wireless base station) maximum rate/> <Downstream (the FOMA terminal←Wireless base station) maximum rate >

The following sample indicates that a connection was made to mopera.ne.jp at 64kbps for sending, and 384kbps for receiving.

Character indication example : ATD*99***1#
CONNECT 460800 PACKET mopera.ne.jp /64/384
Numeral indication example : ATD*99***1#
1 21 5

※ : If both ATX1 and ATVV1 are set simultaneously, a dial-up connection may not be correctly made. The single setting of ATVV0 is recommended.

List of disconnection reasons

Disconnection reasons regarding the content of requests are the following:

■ Packet communication

| Value | Reason |
|-------|---|
| 27 | Missing or unknown APN |
| 30 | Admission rejected by the network. |
| 33 | Requested service option not subscribed |
| 36 | Regular disconnection. |

■ 64K data communication

| Value | Reason |
|-------|--|
| 1 | The number specified does not exist. |
| 16 | Disconnected successfully |
| 17 | Cannot communicate because the other party's line is busy |
| 18 | Dialled, but no response within the specified time |
| 19 | Cannot communicate because the other party is ringing |
| 21 | The other party has rejected the communication |
| 63 | The service and option of the network is not valid. |
| 65 | A transmission capacity not provided has been specified. |
| 66 | Sent to a terminal with different terminal attributes or received call |

Options and Accessories

By combining various options and accessories, your FOMA terminal can support a wide range of applications to meet both your personal and professional needs. Note that some products may not be available depending on the area you are in. For more information, contact a DoCoMo service counter or a retail outlet.

For details of an option or accessory, refer to User's Manual.

■ Going out

- Earphone/microphone with switch P001/P002*
- Stereo earphone set P001*
- Flat-type earphone/microphone with switch P01/P02

*: To connect to FOMA N900K, the earphone jack conversion adapter P001 is necessary.

■ Inside a car

- DC adapter N03

■ Recharging

- AC adapter NXX
- Desktop holder NXX

■ Backup

- Battery Pack NXX
- Rear cover NXX

■ PC connection

- Data communication adapter N01

About Data Link Software

■ Introducing data link software

You can download and use the data link software dedicated for FOMA from NEC's internet homepage "NEC Wa/Wai Mobile".

- NEC mobile homepage
<http://www.n-keital.com/>
- "FOMA N series data link software"

(You cannot download it using the internet function of the FOMA terminal. Use a PC to download. You can use it for free of charge. You will be separately charged communication fees when downloaded.)

• Characteristics

You can transfer data such as Phonebooks, schedule, mail, melodies, pictures (still images), movies and r-motions with a PC.

• Setting environment and note

A "FOMA USB Connection cable (optional)" is required to connect with a PC. You cannot use it for infrared exchange. Since other operation environments and supported OS are the same as those in "About operation environment for packet communication" See p.381.



Since the data link software uses OBEX (Object Exchange) for data transfer, refer to "Sending/Receiving Data" (p.352) as well.

You cannot transfer information downloaded using i-mode/i-apple to anywhere other than the FOMA terminal even using the data link software according to the Copy Right Laws. You cannot transfer data prohibited to be output outside the FOMA terminal, either.

■ Inquiries about data link software

NEC (NEC Mobile Terminal Marketing and Sales Division)
0120-102-001 (Japanese only)
Business hours: Weekdays 9:00 am to 12 noon and 1:00 pm to 5:00 pm
(Excludes weekends, public holidays and NEC holidays)

Malfunction Checklist

| Problem | Points to check | See page |
|--|---|---|
| The FOMA terminal does not turn on (The FOMA terminal cannot be used). | <ul style="list-style-type: none"> ● Is the battery pack properly attached? ● Has the battery pack run out? | p.52 p.53 |
| Nothing responds by pressing any key. | <ul style="list-style-type: none"> ● Turn off the power, then back on. | p.53 |
| The animation similar to the one shown on the right appears and an alarm tone sounds. | <ul style="list-style-type: none"> ● The battery pack has run out. Change the battery pack.  | p.53 |
| The "BS" icon appears and I hear a busy tone. | <ul style="list-style-type: none"> ● Are you outside the service area or in a location with poor radio wave reception?  | p.62 |
| I cannot make a call by pressing the dial keys. | <ul style="list-style-type: none"> ● Is Keypad lock set? ● Is the FOMA terminal in Soft mode? ● Is Restrict dialing set? | p.205 p.207 p.141 |
| I dialed a number and initiated the call, but all I hear is a busy tone. | <ul style="list-style-type: none"> ● Did you start dialing without waiting for the dial tone first? ● Did you dial the same code? ● Is the "BS" icon displayed? ● Is "Phone lock" displayed? | p.75 p.73 p.73 |
| I cannot receive calls. The FOMA terminal does not ring, but I see new records in Received calls. | <ul style="list-style-type: none"> ● Any any of the following functions set? <ul style="list-style-type: none"> ○ Ring rejection Call reception ○ Call forwarding Voice mail ○ Ringing time ○ Set mute seconds ○ Repeat unknown ○ In Call setting with ID ○ Not supported: Repeat Payphone: Repeat ○ Use usage: Repeat | p.141 p.140 p.144 p.145 |
| | <ul style="list-style-type: none"> ● Is the FOMA terminal set to Manner mode? ● Is the FOMA terminal set to Driving mode? ● Is All lock set? ● Is Soft mode set? ● Is the start time of voice mail or call forwarding service set to 00? ● Is caller ID request set to Accept? ● Is move valid with the dual network service? ● You may have set the Ring volume to "Silent". | p.135 p.82 p.200 p.207 p.272, p.277 p.269 p.265 p.79 |
| Mail ring tones and alarm tones sound but no ring tone sound when a call comes. | <ul style="list-style-type: none"> ● Is "Set mute seconds" of "Ringing time" set to longer time (such as 99 seconds)? Set "Set mute seconds" to shorter time. | p.140 |
| The records of dialed calls/received calls, redial, received address (text address) disappear automatically. | <ul style="list-style-type: none"> ● Is "Keypad lock" set? ● Is "PSM lock" set? | p.205 p.204 |
| While the FOMA terminal is powered off, the alarm sounds but the sound is not the tone you have set. | <ul style="list-style-type: none"> ● Did you set a melody downloaded from a site as the alarm tone? When the alarm clock issues a notification while the FOMA terminal power is off, such a melody does not sound but the "555517" (555517) sound. (If you set an alarm tone that is stored in the "GPRS" (GPRS) or "GPRS" folder, the set tone sounds). | p.214 |

| Problem | Points to check | See page |
|--|---|---|
| The HomePointer does not move quickly. | <ul style="list-style-type: none"> ● Adjust the slow setting. | p.251 |
| A different ring tone sounds from what is set up when you receive a call. | <ul style="list-style-type: none"> ● If incoming call settings of each function overlap, a ring tone sounds in the following priority. ① has the highest priority. <ol style="list-style-type: none"> ① The ring tone of the Utilities ② The ring tone of the Group Utilities ③ The Select ring tone | p.170 p.163 |
| A different ring tone sounds from what is set up when you receive mail. | <ul style="list-style-type: none"> ● If incoming call settings of each function overlap, a mail operates in the following priorities. ① has the highest priority. <ol style="list-style-type: none"> ① The mail ring tone of the Utilities ② The mail ring tone of the Group Utilities ③ The mail of Select ring tone | p.120 p.163 |
| A different image is displayed from what is set up when you receive a call. | <ul style="list-style-type: none"> ● If incoming call settings of each function overlap, a call operates in the following priorities. ① has the highest priority. However, if an indicator operates as a ring tone, the indicator will appear. <ol style="list-style-type: none"> ① The Indicator set for the phonebook registration image ② The incoming call image of the phonebook function ③ The incoming call image of the Group Utilities ④ The Display phonebook image ⑤ The display settings | p.106 p.120 p.163 p.177 p.181 |
| A different incoming call lamp by the color or flashing pattern from what is set up glows when you receive a call. | <ul style="list-style-type: none"> ● If incoming call illumination settings of each function overlap, it will operate in the following priorities. ① has the highest priority. <ol style="list-style-type: none"> ① The incoming call illumination settings of the Utilities ② The incoming call illumination settings of the Group Utilities ③ The incoming call illumination settings | p.120 p.165 |
| The ring tone I hear when I receive mail is not the tone I set for mail. | <ul style="list-style-type: none"> ● If a distinctive mail ring tone is set for the mail address, that ring tone sounds instead. ● If a distinctive ring tone is set for the group, that ring tone sounds instead. ● If a distinctive ring tone is set for the mail address and the group, the ring tone set to the mail address is used instead. ● If you have received multiple mails and a distinctive ring tone was set for the last mail to be downloaded, the tone set for that mail address sounds. | p.170 |
| | <ul style="list-style-type: none"> ● If the sender's mail address is in the "phone number" (00000000) format, store only that phone number as mail address and set a distinctive ring tone for that mail address. ● Is the sender's mail address (the mail address shown in the received mail details screen) stored in the Phonebook correctly and did you set a distinctive ring tone for that mail address? ● If you receive SMS, a distinctive ring tone set for the phone number in the Phonebook sounds. | p.106 p.110 |
| When illumination flashes for incoming mail, the color is not the color I specified. | <ul style="list-style-type: none"> ● If a distinctive mail illumination is set for the mail address, that illumination flashes. ● If a distinctive mail illumination is set for the group, that illumination flashes. ● If distinctive mail illumination is set for the mail address and the group, the illumination set to the mail address flashes. ● If you have received multiple mails and a distinctive mail illumination was set for the last mail to be downloaded, the illumination for that mail address flashes. | p.120 |
| | <ul style="list-style-type: none"> ● If the sender's mail address is in the "phone number" (00000000) format, store only that phone number as the mail address and set a distinctive mail illumination for that mail address. ● Is the sender's mail address (the mail address shown in the received mail details screen) stored in the Phonebook correctly and did you set a distinctive mail illumination for that mail address? ● If you receive SMS, a distinctive illumination set for the phone number in the Phonebook flashes. | p.106 p.110 |

| Problem | Points to check | See page |
|--|---|------------------------------|
| The ringing tone sounds but no mail is received. | <ul style="list-style-type: none"> Is "Notify tone message" set? The ringing tone sounds to notify that the number of voice mails increases 1 or more additional voice mails were recorded while you were outside the service area or the FOMA terminal was powered off, and then you come in the service area again or turn on the FOMA terminal. | p.274 |
| The FOMA terminal cannot be charged (The charge indicator does not turned on). | <ul style="list-style-type: none"> Is the battery pack properly attached to the FOMA terminal? Is the adaptor firmly plugged into the electrical socket or cigarette lighter socket? Is the adaptor properly attached to the FOMA terminal? (If you are using the AC adaptor, make sure that the AC adaptor connector is firmly plugged into the FOMA terminal or desktop holder.) | p.56 p.58 p.59 p.60 |
| The key does not sound when I press them (No key tone). | <ul style="list-style-type: none"> Is "Keypad sound" set to "OFF"? Is the FOMA terminal set to Manner mode? | p.125 p.135 |
| I cannot answer voice call/videophone calls using Any key answer. | <ul style="list-style-type: none"> Is "Answer setting" set to "Quick start" or "OFF"? You cannot answer videophone calls using Any key answer. | p.150 |
| The other party's voice is difficult to hear during calls. | <ul style="list-style-type: none"> Is the earpiece speaker placed properly against your ear? Is anything such as seal obstructing the earpiece speaker? Is anything obstructing the speaker during handsfree? Did you change the "Volume" setting? Try changing the setting until you can hear the other party clearly. | p.32 p.78 |
| The other party's voice is too high during calls. | <ul style="list-style-type: none"> Did you change the "Volume" setting? Try changing the setting until you can hear the other party clearly. | p.78 |
| The other party cannot hear me. | <ul style="list-style-type: none"> Is anything obstructing the microphone? | p.32 |
| The message "All lock" and the " " main appear. | <ul style="list-style-type: none"> Enter your security code, and then press (") to cancel All lock. | p.200 |
| I cannot operate the FOMA terminal using the side keys when it is locked. | <ul style="list-style-type: none"> Is "Side keys guard" set to "OFF"? | p.208 |
| I cannot check missed calls using "Memo Check" when the FOMA terminal is locked. | <ul style="list-style-type: none"> Is "Info notice setting" set to "OFF"? Is "Side keys guard" set to "OFF"? | p.77 p.208 |
| The date is displayed in Japanese. | <ul style="list-style-type: none"> Is Japanese selected in "Language"? Is Clock display set to Japanese? | p.65 p.181 |
| The display is dim. | <ul style="list-style-type: none"> Is the brightness setting of the display light set to "Level 1"? | p.182 |
| The display indicator display and display light of the keypad do not turn on. | <ul style="list-style-type: none"> Is Lighting of the display light set to "OFF"? Hold down (") for 1 second or more to turn the display light on or off. Please note that the display light turns off when you hold down (") for 1 second or more during operation such as creating a mail. | p.182 p.34 |
| " " appears when you try to display an image. | <ul style="list-style-type: none"> " " may also be displayed if the image data are broken. | - |
| The motion of the screen during a videophone call is not smooth. | <ul style="list-style-type: none"> Is "Change display size" of "Select image (V-phone)" set to "Main display size"? Set it to "Real size". | p.100 |
| When I receive an incoming call immediately after turning on the power, the phone number is displayed but the name stored in the Phonebook is not. | <ul style="list-style-type: none"> The FOMA terminal may be reading the FOMA card immediately after turning on the power. The Phonebook function may not be available during that time. | - |
| It takes some time for the power to turn on after (") has been held down for 1 second or more. | <ul style="list-style-type: none"> When Phonebook, etc. has reached full capacity, data verification takes some time. | p.134 |
| The call does not finish even if I press ("), ("), ("), and (") according to the recorded announcement in the case, press (") again. | <ul style="list-style-type: none"> This may happen when you perform operations using keys ("), ("), ("), and (") according to the recorded announcement in the case, press (") again. | - |
| Nothing appears on the display and (") and (") are flashing. | <ul style="list-style-type: none"> The FOMA terminal is in Power saver mode. Press any keys to cancel Power saver mode. | p.183 |
| No ringing call reaction (ring tone sounding, vibrator, incoming call lamp flashing) happens until the set time has passed when you receive a call from a phone number not stored in the Phonebook or from a caller who does not reply to caller ID, if "Ring time" of "Ringring time" is set to other than 0 seconds. | <ul style="list-style-type: none"> No ringing call reaction (ring tone sounding, vibrator, incoming call lamp flashing) happens until the set time has passed when you receive a call from a phone number not stored in the Phonebook or from a caller who does not reply to caller ID, if "Set mute seconds" of "Ringring time" is set to other than 0 seconds. | p.140 |

List of Error Messages

When error messages are displayed during operation, handle appropriately referring to the following list.

● r-mode, mail and mulimed a-related error messages are described in p.XXX.

| Error message | Description/Handling | See page |
|---|---|----------|
| "Invalid URL requested service not available" | <ul style="list-style-type: none"> This message is displayed when you try to execute the desktop icon for data secured by the FOMA card operation restriction function. This message is displayed when you try to execute Screen memo and Mail Request/Tree secured by the FOMA card operational restriction function. | p.53 |
| "Reading URL cannot operate" | <ul style="list-style-type: none"> This message is displayed if you attempt to perform operations related to the FOMA card while the FOMA card is being read. Retry the operation after a while. | - |
| "Insert UIM" | <ul style="list-style-type: none"> This message is displayed when the FOMA card may either be improperly inserted or damaged. Check whether the FOMA card is properly inserted. | p.51 |
| "Setting PUK lock" | <ul style="list-style-type: none"> This message is displayed when an invalid operation is attempted while setting PUK lock. | p.204 |
| "PUK code blocked" | <ul style="list-style-type: none"> This message is displayed when the power is turned on during PUK code lock. Press (") [Select] to display the PUK code entry screen. Then, enter the PUK code properly to cancel the lock. | p.186 |
| "PUK code blocked" | <ul style="list-style-type: none"> This message is displayed if you attempt to power on or perform operations related to the FOMA card while the PUK code is locked. Please contact a DoCoMo shop. | p.184 |
| "Invalid URL" | <ul style="list-style-type: none"> This message is displayed when you enter the wrong URL, or the wrong number of characters which exceeds the allowable number. | - |
| "Phonebook is full" | <ul style="list-style-type: none"> This message is displayed when you attempt to add the 701st phone number or mail address to a FOMA terminal (main unit) Phonebook. Delete an unneeded phone number or mail address already stored in the Phonebook before adding the new one. | p.128 |
| "No data" | <ul style="list-style-type: none"> This message is displayed when there is no Phonebook that matches the search conditions when performing Phonebook search. | p.118 |
| "The UIM cannot be recognized" | <ul style="list-style-type: none"> This message is displayed when the FOMA card that cannot be used for the FOMA terminal has been inserted. Check that the correct FOMA card is inserted. | p.54 |
| "Secret data" | <ul style="list-style-type: none"> This message is displayed when you try to search for a memory number specifying a secret data number during the mode other than secret mode or secret only mode. This message is displayed when you try to dial secret data with two touch dialing during the mode other than secret mode or secret only mode. | p.201 |
| "Call adaptor Already set full" "Call receiver Already set full" "Call forwarding Already set full" "Restrict dialing Already set full" "Voice mail Already set full" | <ul style="list-style-type: none"> These messages are displayed if you attempt to add the setting to Phonebook when 20 items have already been set in the Phonebook. Perform the desired setting again after canceling the unnecessary Phonebook settings. | p.141 |
| "Setting restrict dialing" | <ul style="list-style-type: none"> This message is displayed when an invalid operation is attempted while getting Restrict dialing. | p.141 |
| "Please wait" | <ul style="list-style-type: none"> Calling restricted. Use a voice or videophone call after a brief interval. | - |
| "Over function active Cannot operate" | <ul style="list-style-type: none"> This message is displayed when calling up to a menu function that cannot be used is attempted while another function is running. | p.265 |

| Error message | Description/Handling | See page |
|--|---|----------------|
| "Setting self mode" | ● This message is displayed when an invalid operation is attempted while setting Self mode. | p.207 |
| "Service unavailable" | ● This message is displayed if you perform network service operation when you are outside the service area or where radio waves cannot reach. Perform network service operation after moving to an area where "T" is displayed. | — |
| "Setting keypad dial lock" | ● This message is displayed when an invalid operation is attempted while setting Keypad dial lock. | p.206 |
| "Wrong security code" | ● This message is displayed when an incorrect security code is entered for a function that requires the security code. Enter the correct security code. If you have to obtain your security code, you need to present your FOMA terminal and an ID such as a driver's license providing that you are the person stipulated in the contract to a DoCoMo shop. | p.192 |
| "Calling now Cannot operate" "Calling now Cannot operate" | ● This message is displayed when operation of a function that cannot be performed during calls is attempted. | p.243 |
| "Calling now Cannot operate" | ● This message is displayed when Task menu is displayed during a call and a function that cannot be used is selected. | p.258 |
| "Desktop icon is off" | ● This message is displayed when you attempt to paste the 15th desktop icon on the stand-by display. Delete any unneeded desktop icons before pasting. | p.175 |
| "Forwarding number is not set" | ● This message is displayed when you have subscribed to the "call forwarding service" and try to forward an incoming call by selecting "Call forwarding" from the Function menu without setting the forwarding destination. | p.291 |
| "Set time" | ● This message is displayed when you try to operate the function that cannot be used unless the time is set in "Set time" but the time is not set in "Set time". Set the time and date in "Set time" in advance. | p.15 |
| "Enter correct network security code" | ● This message is displayed when an incorrect NW security code is entered for a function that requires the NW security code. Enter the correct NW security code. If you have forgotten your NW security code, you need to present your FOMA terminal and an ID such as a driver's license providing that you are the person stipulated in the contract to a DoCoMo shop. | p.192 |
| "Memory No. XXX Cannot operate" | ● This message is displayed when you attempt to add Phonebook to the same number as a memory number for Phonebook added as secret data when the "Secret mode" or "Secret only mode" is not set. ● This message is displayed when you attempt to add Phonebook to the same number as a memory number for Phonebook set to Automatic display. Press (M) (Select) to return to the Phonebook edit screen. Select (M) (Set), and enter a vacant memory number to add it. | p.201 p.119 |
| "Switching failed - Other phone busy" | ● This message is displayed when the other phone (terminal) is busy and the dual network switching cannot be performed. Perform switching after ending communication of the terminal that is being used. | p.243 |

Clearing settings and data

Below are examples of returning the FOMA terminal to its initial status and clearing settings or data.

Resetting handset functional settings of the FOMA terminal

"Reset settings" returns the settings of the FOMA terminal to the initial settings. The data saved in the FOMA terminal remains stored. For how to execute "Reset settings" and which functions are reset by "Reset settings", see p.XXX.

Resetting i-mode settings

Under "i-mode settings", "Reset last URL" returns your last URL setting to the iMenu page URL. "Reset settings" resets the "i-mode settings", returning the settings for i-mode to the initial settings. The data saved in the FOMA terminal remains stored. For how to execute "Reset last URL" or "Reset settings" for the i-mode settings, and which functions are reset, see p.XXX.

Resetting mail settings

Under "Mail settings", "Reset settings" resets "Mail settings", returning the settings for messaging to the initial settings. The data saved in the FOMA terminal remains stored. For how to execute "Reset settings" for the mail settings, and which functions are reset, see p.XXX.

Clearing settings or data for a specific function

You can delete data and reset settings for each of the following functions:

- Phonebook entry -- p.128
- Phonebook group name -- p.129
- Redial record -- p.73
- Dialed/received call record -- p.151
- Sent/received address record -- p.154
- Pause dial -- p.147
- Desktop icon -- p.175
- Last call/all calls duration -- p.162
- Alarm clock -- p.215
- Schedule -- p.226
- ToOs -- p.232
- Text memo -- p.236
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- Voice memo -- p.246
- Voice announce -- p.248
- Country code/IDD Prefix code for international dial setting -- p.XXX
- PLMN list -- p.XXX
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- Common phrases -- p.323
- Own dictionary -- p.320
- Downloaded dictionary -- p.321
- Learning record -- p.328
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- Mail member -- p.159
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- Moved-motion -- p.322
- Melody -- p.336
- Original animation -- p.304
- Dictionary -- p.XXX

Initializing the FOMA terminal

"Initialize" clears all customized settings and all saved data to restore the FOMA terminal's initial status.

- By initializing, you can return the FOMA terminal to its initial status. This operation deletes your important data including personal data such as the phonebook and mail, downloaded image and melody files, pictures (still images) and movies you took with the built-in camera.
- To secure your data, taking notes and/or using data link software (p.XXX) and mini-SD memory card (p.XXX) is strongly recommended.

- Initialization cannot be done when a FOMA card is not attached or when the attached FOMA card is not correctly recognized.
- In case of insufficient battery power, an alert message prompts you to recharge. In this case, recharge the battery and then perform initialization.
- If connected to an external device such as a PC, "USB mode setting" is not initialized.

1 Select (Menu) (M) (Other settings) (O) (Initialize), and then enter the security code.

A message notifying you of handset initialization is displayed.
Security code -- p.193

2 On the confirmation screen, select "YES".

A message notifying you about the power is displayed.
To cancel initialization
Select "NO".

3 Select "YES".

Initialization starts. Don't power off the FOMA terminal during initialization. When the initialization is completed, the FOMA terminal reboots automatically.
To cancel initialization
Select "NO".

Warranty and After-Sales Service


CompoWarrantysing/Sending I-mode mail

- Make sure that the warranty card is included with your FOMA terminal at the time of purchase. Check that the name of the retailer, the date of purchase, and the necessary details have been filled in on the warranty card, and be sure to keep it in a safe place. If any necessary item on the warranty card is not completed, contact the shop where you purchased the FOMA terminal and request that they complete it. The warranty period is for one year from the date of purchase.
- For the purpose of improvement, the specifications for this product and its accessories are subject to complete or partial change without prior notice.

After-sales service

■ If you have problems with your FOMA terminal

Refer to the "Malfunction Checks" section of this manual to see if the solution to your problem is discussed there before bringing your FOMA terminal in for repair.
If the FOMA terminal still malfunctions, contact NTT DoCoMo at any of the following numbers:

| | | |
|--|--|--|
| ○Inquiries (NTT DoCoMo Group): From an ordinary (landline) phone: | | From a DoCoMo mobile phone or PHS phone: |
|  0120-005-250 (toll free) (in English) | | 113 (no area code) (toll free) (in Japanese only) |
| <small>○ You can call the number from any type of phone, including DoCoMo mobile phones and PHS phones.</small> | | <small>○ You cannot call the number from an ordinary (landline) phone.</small> |
| <small>○ Check the phone number carefully before dialing.</small> | | |
| <small>○ For details, refer to the "Service Station list" provided with the FOMA terminal.</small> | | |

■ If, after contacting DoCoMo, you are informed that your FOMA terminal is in need of repairs

Bring your FOMA terminal to a designated repair shop. The repair shop is only open during business hours. Remember to bring your warranty card with you.

■ During the warranty period

- The FOMA terminal will be repaired free of charge in accordance with our written warranty policy.
- Please be sure to have the warranty card with you when requesting repairs. Charges apply in the following cases even during the warranty period: no warranty is presented; failure and/or damage were due to incorrect handling.
- Charges apply even during the warranty period if the failure is due to the use of devices and/or consumables not specified by DoCoMo.

■ The FOMA terminal may not be able to be repaired in the following cases:

The water exposure seal reacted; corrosion due to exposure to water, condensation or perspiration is found upon investigation; internal boards are damaged or deformed. Charges apply even if the phone can be repaired, as it is no longer under warranty.

■ After the warranty period has expired

Repair will be carried out upon request. Note that charge will apply for such work.

■ The stocking of replacement parts

Replacement parts (required for maintaining the functionality of the FOMA terminal) will be kept in stock for a minimum of 6 years following the termination of production. Repairs to the FOMA terminal will be possible during this period. Repairs may still be possible after this period has passed, depending on the type of malfunction. Contact the phone numbers given above for more information.

IMPORTANT!

- Never attempt to modify the FOMA terminal or its accessories.
 - Doing so may result in fire, injury or malfunction.
 - The technical standards of the FOMA terminals and FOMA cards are strictly controlled by law to avoid potential network malfunctions and cross talk. The use of the FOMA terminals and FOMA cards that do not meet these technical standards is not permitted.
 - If your FOMA terminal has been modified previously (replacement of parts, modification, coating, etc.), it will only be accepted for the repair of a malfunction if it has been restored to its original state (as a standard DoCoMo product). However, repair may be refused depending on the extent of the modification.
 - The user will be charged for the repair of any malfunction or damage caused by such modifications even during the warranty period.
- Never peel off the seal or the model name plate attached to the FOMA terminal. The seal or plate functions as a certification that the equipment conforms to the prescribed technical standards. If the seal or the plate is removed or replaced, repair may be refused because conformity to the standards cannot be determined.
- Note that the information stored in your FOMA terminal, such as settings of various functions and the total call time, may be lost (reset) if your FOMA terminal is damaged, repaired or otherwise mishandled. If this happens, please re-enter the information or re-specify the settings.
- The FOMA terminal incorporates a magnetic element in the following parts. Prevent a bankcard, etc. from being close to the earpiece speaker since it may be damaged. Location used: Neutropointer key, speaker, earpiece speaker
- If your FOMA terminal is get wet or become moist, you must immediately turn it off, remove the battery pack, bring the FOMA terminal to a repair shop as soon as possible. However, the FOMA terminal may not be able to be repaired depending on its state.

Memory dial (Phonebook function) and Downloaded Information

- Note that information you stored in your mobile phone be kept separately in a notebook, etc. Under no circumstances shall NTT DoCoMo be held liable for any loss of or damage to the stored data in your FOMA terminal.
- In the course of repairs to or model change of your mobile phone, data, such as downloaded data, data created by the user or data imported from external sources, may be modified or lost. Furthermore, we may, at their discretion, conduct repairs that entail replacing your mobile phone with an equivalent product, in which event it is not possible to transfer such data in its entirety to the replacement product. We accepts no liability whatsoever for these phenomena.

Updating Software

Check whether software in the FOMA terminal needs to be updated, and download a part of software to update the software by using the I-mode if necessary.

If software update is required, we will notify the guidance in the DoCoMo's web page or "お知らせヘルプ" (News & Help) in IMenu.

- The packet communication to update the software will not be charged.

● There are 2 ways to update software as follows:

- Immediate update : Perform update immediately as you want to update software.
- Reserved update : Set the date and time you want to perform update, then software will be downloaded and updated automatically on the reservation date and time.

- SSL communication with the server (DoCoMo's site) is performed upon software update. Enable the certificate in advance.
About the certificate → p.131
- You can also update software even if the I-mode host is set to a user's host.
- You must completely charge the battery pack before performing software update.
- It is recommended that you perform software update in a location with strong radio wave reception (the reception level indicator shows 3 bars) at stationary state.
- You cannot update software:
 - When FOMA card is not inserted
 - When PIM lock is on
 - Incorrect usage of FOMA card
 - Out of service area
 - When PIN is locked
 - When packet dialing is locked
 - When PUK code is locked
 - While using movia with dual network service
 - When data and time is not set
 - When miniSD reader/writer function works
 - While there is an incoming call
 - During international roaming
 - While receiving mail/SMS/message
 - While connecting to an external device
 - During a voice call
 - While switching networks
 - During videophone call
 - During ACL barring
 - During I-mode connection
 - During dial restriction
 - During packet communication
 - While other functions are running
 - When soft mode is on
- It may take some time to update software (downloading, rewriting).
- You cannot use other functions during software update. However, you can receive voice calls during downloading.
- During software update, mail and Msg. Request/Free cannot be received, and stored in the I-mode center instead.
- The icons such as and will be deleted when reloading after updating software. The mails and messages stored in the voice mail service center are not deleted.
- When the software update is completed without operation for confirmation, you will see the desktop icon (Update is complete) on the standby display. If there is any information to be confirmed, you will see (Check update result). Select and enter the security code to see the detail results of the update.

● You should not remove the battery pack during software update. Doing so may cause the update to fail. If update fails, "Remote failed" is displayed and you cannot operate anything. In that case, contact a designated repair shop.

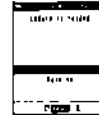
Checking whether you need software update

- 1 Select (Menu) ► ► "Other settings" ► "Software update" and enter your security code.
- 2 Check the notices and whether you need software update.

At that time, you need to send your mobile phone information (such as model and production number of the FOMA terminal) to the server.
However, your mobile phone information sent to DoCoMo will not be disclosed to a third party or diverted.



3 Displays the check result.



When the display is "Update is needed" Select "Now update / Reserve".
Select "Now update" to update the software immediately. → p. 377
Select "Reserve" to update on a specified timing → p. 378

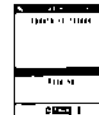


When the display says "No update is needed" Select "OK".
Continue using your FOMA terminal as there is no need to update the software.

Composing/Sending I-mode mail

<Immediate update>

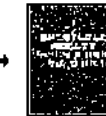
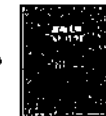
- 1 Select "Now update" in the check result display (p. 376). When you see "Start download Notice:", select "OK".



Downloading will start immediately.
Download will begin after a while, even if you do not select "OK".

- 2 When the download is complete, you will see the message "Download is complete Rewrite software", Select "OK".

The software will begin rewriting.
Rewrite will begin after a while, even if you do not select "OK". It may take a time to start rewriting.



All keys are disabled during software rewriting. You cannot even show .
When the software rewriting is complete, the FOMA terminal will reload.
After reloading, the terminal will automatically connect to the server to check the update completion.
When you see the message "Software update is complete" select "OK". That is all for updating software.



- When you stop downloading before completion, the data that has been downloaded until then will be deleted.
- Once you start downloading, updates will be processed automatically without selecting any items such as menu.
- The display on the right may be shown if the server is busy. In that case, select "Reserve" to perform the reserved update.

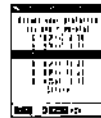
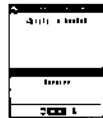


● **Selecting the reservation data and time to update software <reserved update>**

If it takes a long time to download or when the server is busy, you can select the time to startup Software update by communicating with the server beforehand.

<Example: Reserving at 7:30 on May 13 (Friday)>

1 Select "Reserve" at check result screen (p. 376) and select the timing.



When there are no dates you want to select
Select "Others". →p.379

2 Check the selected date and time, and then select "YES".



That is all for setting the time for software downloading.
When you want to select all over again
Select "NO".



The screen on the left appears at the reservation time and the FOMA terminal starts the software update automatically. Charge the battery pack fully, put the FOMA terminal at a location with strong radio waves reception and show the standby display before the reservation time. The rest of operation is same as "Updating software immediately".

NOTE

- The timing for the software updates will be based on the server's time.
- When the reserved update ends, the FOMA terminal is automatically reloaded. When PIN1 code entry set (p.195) is set to "ON", PIN1 code entry screen remain displayed during reloading (p.197). Note that incoming calls and mails are not received.
- The software will not begin updating in the following occasions, even if the set time comes.
 - When the FOMA terminal power is off
 - Battery shortage
 - When FOMA card is not inserted
 - Incorrect usage of FOMA card
 - PIN is locked
 - PUK code is locked
 - Date and time have not been set
 - Receiving incoming call
 - Receiving mail/SMS/message
 - During a voice call
 - During videophone call
 - During i-mode connection
 - During packet communication
 - All lock is on
 - Set mode is on
 - PIN lock is on
 - Out of service area
 - Packet dialing is locked
 - While using mode with dual network service
 - miniSD reader enter works
 - During international roaming
 - While connecting to an external device
 - While switching networks
 - During ACL barring
 - During dial restriction
 - Other functions are running
- When the reservation time for the software update is the same as the alarm notification time, the software update is given priority.

■ **If you select "Others"**

You can select the desired date and period of time after communicating with the server if you select "Others" at step 1 in p.378.

1 Reserve a date.



In the selection display, you will see the update availability represented as shown below.
 : Open
 : Almost full
 : Full

2 Reserve a time zone.



In the selection display, you will see the update availability represented as shown below.
 : Open
 : Almost full
 : Full
 Select the period of time that you want to display the candidates for the reservation time by communicating with the server again.

3 Confirm the software update timing.



If you check the selected timing and select "YES", you will communicate with the server. That is all for the update reservation.



■ Checking the reservation

<Example: Cancelling the reservation after checking it>

1 Select (Menu) ► ► "Other settings" ► "Software update", and then enter the security code.

2 Select "Cancel".



To accept the reservation data and time
Select "OK".
To change the reservation data and time
Select "Change".
If you select "Change", perform the same steps as you select "Others" after sending you mobile phone information (such as model and production number of the FOMA terminal) to the server. → p. 379

3 When you see the message "Cancel this reservation?", select "YES".

Then the mobile phone information (FOMA terminal model and manufacturer's number) is sent to the server. Moreover, we will never disclose or apply your mobile phone information sent to a third party. When you see the message "The reservation is canceled", select "OK". That is all for canceling the reservation.



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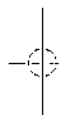
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0410-VA-01版-クイック



FOMA N900iG Quick Manual

Consult the e-Booklet information center:
From a mobile phone or PC: phone:
151 (no area code) (all lines) (in Japanese only)
From an ordinary landline phone:
0120-005-530 (all lines) (in English)
From an ordinary landline phone:
0120-005-530 (all lines) (in Japanese only)
From an ordinary landline phone:
0120-005-530 (all lines) (in English)



Add to phonebook

1. Press **OK** to go to the phonebook.
2. Press **+** to add a new contact.
3. Enter the name and phone number.
4. Press **OK** to save the contact.



Search phonebook

1. Press **OK** to go to the phonebook.
2. Press **F2** to search for a contact.
3. Enter the search criteria.
4. Press **OK** to search.

Phonebook Editing/deleting phonebook

1. Press **OK** to go to the phonebook.
2. Press **F2** to edit or delete a contact.
3. Press **OK** to confirm the changes.

UNITES

1. Press **OK** to go to the phonebook.
2. Press **F2** to edit or delete a contact.
3. Press **OK** to confirm the changes.

Input method and mode

When you are in the input method and mode screen, you can select the input method and mode. Press **OK** to go to the input method and mode screen. Press **OK** to select the input method and mode. Press **OK** to confirm the selection.

Input method and mode

When you are in the input method and mode screen, you can select the input method and mode. Press **OK** to go to the input method and mode screen. Press **OK** to select the input method and mode. Press **OK** to confirm the selection.

Input method and mode

When you are in the input method and mode screen, you can select the input method and mode. Press **OK** to go to the input method and mode screen. Press **OK** to select the input method and mode. Press **OK** to confirm the selection.

Editing/Deleting phonebook numbers

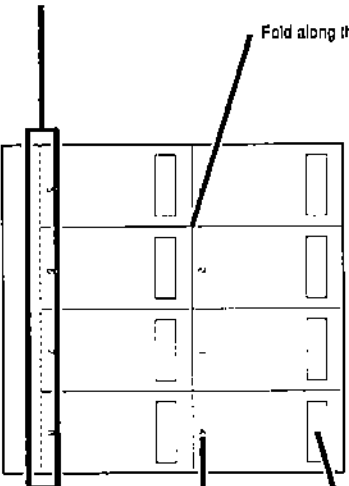
When you are in the editing/deleting phonebook numbers screen, you can edit or delete a contact. Press **OK** to go to the editing/deleting phonebook numbers screen. Press **OK** to select the contact to edit or delete. Press **OK** to confirm the selection.

How to use Quick Manual

- Quick Manual shows basic operations and displays of FOMA terminals.
- Quick Manual can be detached from this book and carried folded.
- Please detach one page at a time to avoid tearing other pages. Then please be careful not to hurt yourself.

Cut along this line.

Fold along this line to use.



Name of function described in this page.

Page number of Quick Manual.

Quick Manual

