

APPLICANT: MOTOROLA, INC.

FCC ID: IHDT5CK1

INSTRUCTION MANUAL

A preliminary draft copy of the Users Manual follows:

Compliments

Thanks in deed for purchasing this cellular phone of Motorola which takes pride in its world-best radio communication technology.

All of the Motorola cellular communication equipment are designed and manufactured in compliance with the in-house strict standards and international standards, and especially, they are subjected to stringent quality tests in connection with temperature, humidity, impact, dust, vibration, and drop before being released.

We assure you that this Motorola phone manufactured through these processes gives you high quality satisfaction.

Thank you again for selecting our products, and hopefully you would succeed in your business with your Motorola V720.

Any content of this manual and any function of this product are subject to change accordingly.

We suggest that you set your phone to vibration mode at a public place in order to observe right manners in using the phone.

Prohibition of illegal ESN modification

Each digital wireless phone manufactured and supplied by Motorola has its own ESN (Electronics Serial Number). Removal or change of this ESN, or an attempt to reproduce and enter another ESN shall be deemed an illegal act. Any person who commits such an illegal act shall be sentenced to three years ' or shorter penal servitude or fined 10 million won or less pursuant to the related civil laws (Article 4 of Radio Wave Act, Article 4 of Telecommunications Enterprise Act, and Article 347 of the Criminal Law Act).

In addition, such an illegal act may damage the software built in the phone, with the result that the phone cannot be used any longer. Thus, customers are required to be careful not to incur any damage due to such an illegal act. Especially, once such an illegal act is identified, both the free and paid services warranted by Motorola are rejected.

Precautions

Do not lend your own phone to other person inadvertently.

For repairs or other services, contact our designated service center.

If your phone has gotten lost or stolen, immediately report to the relevant telecommunications service provider.

This product should not be added with any separate equipment that may cause an alteration to its original performance as described on type registration.

Safety Information for Digital Wireless Phone

Read this information carefully before you use the phone, for safe and efficient use.

Exposure to Radio Frequency Signal

Your digital wireless phone is a power radio transmitter and receiver. When it is ON, it receives and also sends out high radio frequency(RF) energy. International agencies have set standards and recommendations for the protection of public exposure to RF energy.

US FCC Code of Regulations : 47 CFR part2 sub-part J*

ANSI IEEE C95.1 (1992)*

IEEE C95.1 (1999)*

NCRP Report 86 (1986)*

ICNIRP (1998)*

Department of Health and Welfare Canada, Safety Code 6 (1999)

Australia Communication Committee, Standard of Wireless Communication for Exposure to Electromagnetic Wave (1999)

* Federal Communication Commission ; American National Standards Institute :National Council on Radiation Protection and Measurements ; International Commission on Non-Ionizing Radiation Protection

Antenna

Use only the antenna authorized by Motorola. Using an unauthorized antenna may damage your phone, which rejects the free services offered by Motorola. Do not use the damaged antenna. You may get slightly burned if you touch the damaged antenna.

Safety Information for Digital Wireless Phone

Effective Operation

Hold your phone as when doing to the general telephone, with the antenna placed straight over your shoulder.

Speak distinctly to your phone with your mouth placed near the transmitter.

Never touch the antenna during a call. If so, it may degrade call quality and cause the phone to transmit excessive power.

Phone Case

In order to minimize exposure to electromagnetic wave, hold the phone in the case provided or authorized by Motorola.

You may be exposed to excessive electromagnetic wave if you use the case not provided or authorized by Motorola.

If you don't use the case or when you use the data call, keep the distance of at least 2.5cm between the phone and your body.

* See www.mymotorola.co for authorized Motorola accessory.

Digital Wireless Phone and Electronic Devices

Most electronic equipment is shielded from high RF signals. However, certain equipment may not be shielded against RF signals from your wireless phone and cause malfunctions to it.

Aircraft

Switch OFF your phone before boarding an aircraft. The wireless phone could interfere with the electronic navigation devices of an aircraft.

Safety Information for Digital Wireless Phone

Pacemaker

The Health Industry Manufacturers Association recommends that a minimum separation of fifteen centimeters (15cm) be maintained between a wireless phone's antenna and a pacemaker to avoid potential interference with the pacemaker. Persons with pacemakers should always use the phone in the opposite side of the pacemaker to minimize interference. Turn your phone OFF as far as possible.

Hearing Aid

Some types of wireless phone may interfere with a hearing aid.

Other Medical Devices

If you use any other personal medical device, consult the manufacturers of your device to determine if they are adequately shielded from external RF energy. Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Using a Phone While Driving

Abide by the regulations relating to the use of cellular phone while driving. And be sure to keep the following precautions.

- Give full attention to driving.

- Do not use your phone while driving, or use the hands-free kit if required.

- Pull off the road and park before making or answering a call if required.

Safety Information for Digital Wireless Phone

Vehicles Equipped with Air Bags

An air bag inflates with great force in a moment. If in-vehicle handsfree car kit is improperly installed and the air bag inflates, serious injury could result. DO NOT place objects, including both installed or portable wireless equipment or other objects, in the area over the air bag or in the air bag deployment area.

Explosion site

Turn your phone OFF in a place possibly causing a danger to it or posted ' Turn Your Cellular Phone OFF '. This is to avoid interference with the explosive detonating operation. And observe all the instructions and signals posted in these areas.

Danger Zone

Do not remove the battery in the danger zone. Turn your phone OFF. Follow all the instructions and signals in the danger zone. RF energy equipment could be used on construction sites for detonation of remote explosives.

DO NOT install accessories onto your phone in such areas that a gas/propane leak may occur, fuel or chemical transfer or storage facilities, and below deck on boats.

Also, DO NOT place any inflammables near in-vehicle accessories for car phone.

Very rarely, however, sparks from your phone or accessories could occur.

When Using the Battery

Caution! If the battery terminal contacts a conductor (key, necklace, etc.), it may cause damage to other objects and injury such as a burn to a person. When the battery terminal contacts a conductor, the battery becomes a part of the closed circuit and produces heat, becoming so hot. Handle the charged battery very cautiously. If you want to put the battery pack in your pocket or bag together with other metal goods, first be sure to store it in the battery case.

I. Before Use

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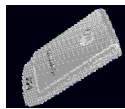
1. Inside the Package



Handset



550mAh(V720)



930mAh(V720)

Battery packs



Battery Case



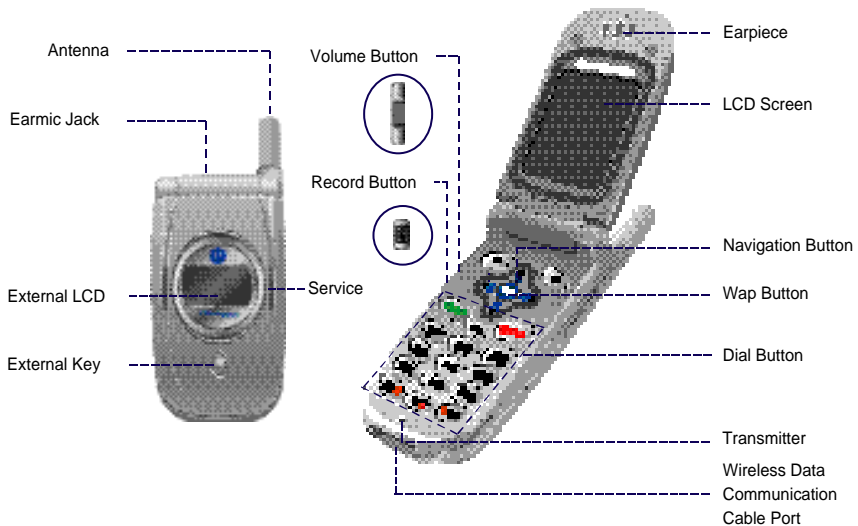
Desktop Charger



User 's Manual



2. Names and Functions of Parts





Makes a call
Displays the list of calling numbers



Switches on/off power, and ends the call
Ends the function and returns to the main menu



At standby mode :

- Left : UnansCall List
- Right : Phonebook Quick Search
- Up : Download Manager
- Down : Alarm Setting

At menu mode - Used to search for menu



Accesses WAP(See P.93)
Function as [OK] at menu mode



Dial Button ? Enters figures and characters



International call speed dialing



Menu Serch



Etiquette mode setup/release



One-touch lock setup/release



Deletes characters and figures

- Press : Deletes a character or a figure at a time
- Press and hold : Deletes all

Moves to upper menu or previous screen



Searches for list, or adjusts volume during the call



Moves to the top menu from the standby mode
Functions as the [Option] key at menu and Msg mode

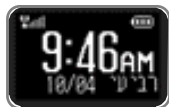


Moves to Msg mode from the standby mode
Functions as the [Back] key at menu and Msg mode



Retrieves voice and short Msg
Connects a call when using the earmic.

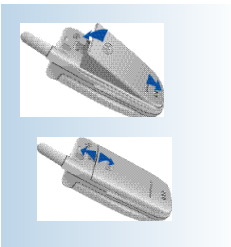
3. Icons



	Indicates the signal strength level in the current service area
	This symbol is displayed when attempting a call or during a call.
	Indicates that the phone is set to the Vib. Only mode.
	Indicates that the phone is set to the VibThenBell mode
	Indicates that a voice or text Msg has been received
	Indicates that alarm has been set to ON. This icon is disappeared if the alarm is released.
	Indicates the remaining battery capacity. Fully charged Battery low Needs to be charged at once
	Indicates that GoNext is connected.
	Indicates that the phone has been locked.
	Indicates that the data communication cable is connected.

4. How to Use Battery Pack

1. Handset and Battery Pack



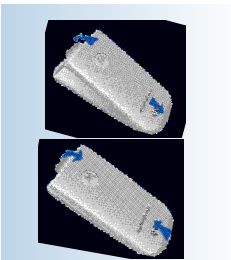
1. Installing

Fit the battery pack into the groove on the lower side of the handset.
Push it all the way in the arrow direction until a 'click' is heard.

2. Removing

Push the removal button upward.
Remove the battery pack in the arrow direction from the handset.

2. Battery Case and Battery Pack



1. Installing

Fit the battery pack into the groove on the lower side of the battery case.
Push it all the way in the arrow direction until a 'click' is heard.

2. Removing

Lift up the upper part, and then push the battery pack forward.
Remove the battery pack in the arrow direction from the battery case.

3. Charging the Battery Pack

1. Charging with desktop charging cradle

Be sure to charge the battery pack fully as it is not fully charged when you purchase it.

Connect the power plug of the desktop charging cradle to the wall socket outlet (220V only)

To charge both the handset and battery pack, fit the battery pack installed on the handset or the battery case into the front charging port of the desktop charging cradle and insert the battery pack into the rear charging port.

The cradle charges first the handset fit in the front charging ports. You can charge the battery installed on the battery case in the front charging port.

Charging state is indicated by the indicator lamp on the desktop charging cradle.

2. Charging with power cable

Connect the power cable to the charger (DC power equipment) and connect the power plug to the wall socket outlet.

Plug the power cable jack into the port on the lower part of the handset.

The message " Being charged "is displayed on the external screen.

4. Batteru Pack Charging Progress State

Port	Stnadby	Being charged	Charging complete
Front Prot	-	Red	Green
Rear Port	Amber	Red	Green

<If the lamp blinks in red>

The charging terminals are not contacted properly. Check to see if the battery pack is clean, and then, make another attempt.

The battery pack has been discharged excessively. The indicator lamp will light up in normal color after a while and charging operation will be started.

The battery pack or any other component might be defective. Contact the service center.

<If the lamp is in amble>

The battery pack is on standby for charging or is being charged in a too hot or cold place

If you place it in room temperature, the indicator lamp color will change into red and charging operation will be started

5. Battery Pack Charging Time

Battery type	550mAh(V720)	930mAh(V720)
Time	Approximately 90 min	Approximately 150 min

Charging times are subject to change by the battery pack condition.

The lower the AC power to the adapter, the charging times may become longer.

Charging is not performed if the ambient temperature is too high or too low. Be sure to charge the battery in room temperature.

6. Battery Pack Operating Time

Type	550mAh(V720)			930mAh(V720)		
Time	Slot Mode 0	Slot Mode 1	Slot Mode 2	Slot Mode 0	Slot Mode 1	Slot Mode 2
Standard standby time	Appex 30~50 hour	Appex 60 ~ 80 hour	Appex 90 ~ 100 hour	Appex 50~80 hour	Appex 100 ~ 130 hour	Appex 150~170 hour
Standard talk time	Aprx 100 minutes			Aprx 170 minutes		

Slot mode is varied by service area.

It takes the same amount of power between receiving and making a call.


Standby time is reduced by poor coverage.

Operating time is varied in accordance with charging status, temperature(low/high), coverage, LCD backlit and keypad backlit.


● Slot Mode?

Your mobile phone communicates with the base station at regular intervals and notifies its location to the base station. This is called ' Slot Mode '. Standby time is reduced, as the interval gets shorter.

7. Low Battery Charge Indicator

When the battery pack is almost consumed, a ' beep ' is sounded and '  ' flashes.

If you continue to use your phone in this state, the power of the phone is turned off. Recharge your phone immediately.

If '  ' flashes, LCD backlit and keypad backlit may not be on, and the phone may not function normally.

8. How to Manage Battery Pack

Always use the authorized battery pack and charger. If you install an unauthorized battery pack, the message ' Warning | Unauthorized Battery ' is displayed on the standby screen.

Using an unauthorized charger may cause damage to the battery pack or may be exploded.

The battery pack can be exploded if the terminals get short. Always keep the battery with the battery case on.

Recharge and keep the battery in room temperature. If you recharge the battery in too hot a place (inside the car in summer or near fire), or in too cold a place, recharging is not done well, and the lamp turns into amber. If you leave the battery unused for a long time, the operating time is reduced.

Never put apart the charger and the battery pack, or leave them near fire.

Keep the charger and the battery pack away from the reach of a child.

Strong impact or drop of battery may cause reduced battery life.

Always keep the terminal of the charger and the battery pack clean.

The battery pack is a consumable good, and its operating time reduces slowly by repeated recharging/discharging.

If the operating time reduces to half, purchase a new battery pack.

5. Precaution

Always use the authorized, dedicated battery pack and charger. Using an unauthorized battery pack or charger rejects the services offered by Motorola.

Never use them in a humid, hot atmosphere. If your phone becomes damp, malfunction may result.

If submerged, it may be beyond repair. NEVER turn the power ON with your phone dampen. Remove the battery pack and contact the nearest service center for repair.

Never disassemble or alter your phone. Unauthorized disassembly may reject free service offered by Motorola.

Use care not to give an impact or vibration to your phone. When not in use, it should be stored in a safe place.

Avoid touching the antenna or letting it contact any part of your body during a call.

Avoid cleaning your phone with chemical solutions such as solvent or thinner.

Always use the authorized handsfree kit. Using an unauthorized kit may result in malfunction. Especially, any product having strong magnetism can cause direct malfunction to your phone and thus reject the free services offered by


II. Basic Operation

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1. Power On/Off




1. Power On

Press 

The service lamp is on, displaying Motorola logo and user-set graphic. And then, the initial screen is displayed.

2. Power Off

Press and hold 

The graphic disappears before the power gets off.

2. Placing a Call



Enter the area code and the phone number




II. Basic Operation

1. Using the Phonebook

Select a person using Quick Search. (See P.40~42 on how to search for a number.)





If you select a person and press , a call is placed to the ' Representative Number '

Select a person Select a number




2. Turbo dialing

If you press and hold an address, a call is placed to the representative number of the address. If the address is 17, press the dial button  and then press and hold .

(See P.34 setting a representative number.)



3. Electronic dialing

You can use this function to make a call to ARS or telebanking, or to retrieve a voice message. If you want to cancel the electronic dialing, press  (BACK).



Enter the phone number Press ' P ' or ' T ', and then the electronic number




Key	Operation
P	You should press  or  [Next] to send the number after ' P '.
T	The number after 'T' is send after a while.

4. Emergency dialing


You can make a call to the emergency number even when the phone is locked.



Enter the emergency number 

1. Saving Emergency Number




 [TopM.] Select MENU Select Lock/Secure, and then enter the Lock Code Select Emergency
Select EmergencyNum1, 2 or 3 Enter the number.

5. Voice dialing



You can make a call by saying the stored name. If you have set the voice dialing function, it starts automatically when you open the lid.

Say the name.

Press and hold  in idle mode to use voice dialing. The name must have been stored on the voice dialing list. There can be a mistake in recognizing the voice. You can't use voice dialing if the phone is locked. Unlock the phone before using the voice dialing. (See P.69~70 on how to clear Lock.)



[TopM.]

Select Shortcut

Voice Dialing

Select an option

1. Storing



Select Storing


Say the name (Twice)

Enter the number

2. View List



Select View List The number is displayed.



You can hear the stored voice and view the number on the screen.
To view the next stored number, press  [Next].

3. Auto Dialing



If you activate this option, ' Voice Dialing ' is running automatically.

Select Auto Dialing Select value

You can switch the phone to idle mode by pressing  or .

4. Delete All

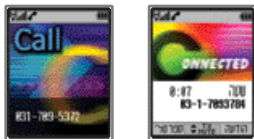


If you select this option, all the contents stored in voice dialing list are deleted.

Select Delete All Select value

To delete an individual item, press  [DEL] when the item to delete is displayed in ' View List '.

3. Receiving a Call







Open the lid to receive a call.

You can select the ringer style and answer mode (Ring/Vib, Graphic).
(See P.47 for selecting ringer style / P.48 for selecting Ring/Vib/
P.67 for setting graphic)

If you have registered to the ' Calling Line Identification Presentation ' service, the caller number is displayed on the Main LCD and the Sub LCD. You can download a graphic from GoNext, and change the display in ' Set Graphic ' in ' Shortcut '. It may take time to display the graphic on the phone depending on the downloaded graphic size.
(See P.67 for setting the graphic.)


1. Using Earmic

If the earmic is connected, press and hold , , or the earmic button.

If the lid is closed, press  or the earmic button to receive a call. To finish the call, press  or the earmic button.

1. Open to Answer

Yes : Opne the lid to answer the call.

No : Open the lid, and press any key except the  button to answer the call.

2. Auto Answer

If the lid is open or the earmic is connected, the call is automatically connected after the ringer tone for the designated time. If the lid is closed, you cannot use this Auto Answer function unless the earmic is connected.

2. Setting answer mode



[TopM.]

Menu


Phone Option

Call Answer

Select an answer mode

3. Using Auto Answering


In case you cannot answer a call, you can connect the call to auto answering function.

You can also use this function temporarily by pressing and holding  .

II. Basic Operation

1. Activating/Inactivating Auto answering



Press  Auto Answer Select value

If the phone is short of free memory, a message is displayed, indicating the phone is short or free memory. Delete the previous record and set the function again. (See P.75 for Deleting Recording.)

If the phone is locked, you cannot use Auto Answer function. Release Lock before you set the function. (See P.70 on how to clear lock.) However, you can still activate the function temporarily even when the phone is locked.

When ' Auto Answer ' is being played, the caller number is not displayed for another call, and such call is not displayed in CLI list and UnansCall list.

2. Play




Press  Play Select an item to play

You can listen to the recording in Answering Play.

3. Answer Ment Select





Press  Answer Ment Sel Select a ment

- Default Ment : This ment is stored in the phone in default.
- User Rec. Ment : You can record your own ment.


4. Answer Ment Select



Press  Answering Rec. Record a ment

Stop recording :  [END]




You can listen to the recorded ment in Answering Play.

To delete the recorded ment, press  [DEL] in Answering Play. You cannot delete the default ment though.

4. Unanswered Call

If you missed a call, it is displayed on the screen as below.



If you have registered to the ' Calling Number Identification Presentation ' service, press  [OK] to display the UnansCall List. If the lid is closed, press  to view the UnansCall List on the Sub LCD. (See P.43 for viewing UnansCall List.) If the number is in Call Restrict, the message ' No Caller Information ' is displayed.
Press  [BACK], to return to idle mode.


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III. Entering Characters

1. Changing Character Mode



Each time you press , the input mode switches to ' Hebrew English Capital English Small Number '.

Use  to move the cursor.

2. Hebrew Letters

3. English Letters and Numbers



1. English Letters

To enter the first, second and third English letter on a key, press the key once, twice and three times respectively.

2. Numbers

Press the number key in number mode.

4. Special Characters and Graphic Characters

Press  in the character mode to display ' Special Characters '. Press  to display Special Characters or Graphic Characters.


Press the number key for the special character or the graphic character.

1. Special Character



5. Editing and Modifying Characters

Place the cursor to the position to insert a character. The typed character is entered in front of the cursor.

Press  to delete the characters from the next of the cursor.

6. Deleting Characters

 Press to delete a character at a time, or press and hold  to delete all.

IV. Phone Book

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1. Saving Phone Number

1. Saving phone number in the number



[TopM.]

Select Save Phone Number

Select the item

Type the content



[DONE]

2. Saving phone number in the idle Mode



Enter phone number

[STO]

Select an icon

Select the additional item

[DONE] after entering the content

You can save up to 9 items. You can save other items once the content is saved for an item. Press [DONE] to finish saving.

- | | | | |
|--------|----------|------------|-------|
| Name | Location | Cell Phone | house |
| Office | E-mail | Other | Group |

If you have entered all contents, the phone is switched into input mode.

You can save phone numbers of up to 200 persons.

To cancel saving, press  or  during saving.

1. Entering name


You can enter the name of up to 16 Hebrew letters or up to 16 English letters. (See P.30~31 for entering characters.)


2. Entering phone number

You can enter the phone number of up to 34 figures. It is displayed up to 15 figures. (including hyphen.)

3. Selecting representative number

You can select a phone number (home, mobile, office) as the representative number. Enter the phone numbers first before selecting a representative number. If you don't select a specific number as the representative number, the phone itself designates a representative number from the entered numbers. (in the order of Mobile Home Office)


'' is marked on the item selected as the representative number. If you press and hold the address in the idle mode, a call is made to the representative number. (See P.20 on Speed Dialing.)

You can make a call to the number you have entered by pressing .

4. Entering E-mail address




You can enter up to 50 characters including the E-mail symbols like '@', ' ' and ' ' for E-mail address.

Press  during entering the address to enter the symbols required for E-mail address.

(@, ., -, _ , / , ; , .com, .net, .co.il)

5. Using [Option] while saving phone number


If you enter a mobile number of an E-mail address, [Option] is displayed on the screen. If you press  [Option], you can send a message or a mail to the mobile number or the E-mail address.

[When selecting the mobile number]



See P.86~87 on Sending a message.

Select the mobile number

 [Option]


Select Pop-up menu value

Enter the receiver number

[When selecting the E-mail address]



Select the E-mail address

 [Option]

Select Pop-up menu value

Enter the receiver address

After sending a message or a mail, the phone returns to the phone number saving mode.

Press  [DONE] to finish saving.

6. Selecting bell


You can select different bells according to the individual and the group.

Select '  ' in the phone number saving mode, and select a bell.

If no bell is selected for an individual, the group bell is applied for the individual. If neither the individual nor the group character is selected, the bell selected in ' Ringer Style ' In ' Tone Control ' is applied.

(See P.47 on Ringer Style.)

7. Selecting group

Select '  ' in the phone number saving mode to select a group. The default groups are Family, General, Office, Friend, and New. You can make a new group if you select ' New Group '.

Groups are saved in alphabetic order regardless of saving sequence.

You can use up to 6 Hebrew letters and 12 English letters for a group name.

You can make up to 30 new groups.

2. Modifying Phone Number


Display the items to modify using the search function. (See P.40~42 for Searching a phone number.)



Select the list to modify


Select the item to modify

1. Modifying phone number

Select a phone number list to modify Modify the number  [DONE]

See 'Editing Character' (See P.31)



2. Modifying name and E-mail address

Select the item (Name/E-mail) to modify Modify contents  [DONE]

3. Modifying group

1. Changing the group in an entry


Select an entry, using the phone number search function, of which group name is to be changed.
(See P.40~42 for searching for phone number.)

'  ' Select a group Select a group to save  [DONE]

2. Changing group name

Select a group to change using Recall by Group'. (See P.41 for Recall by Group.)



Select the group to change  [Option] Select the value to change name Change the name

Press  to delete the existing name before entering a new group name.

You can use up to 6 Hebrew letters and 12 English letters.

You cannot enter the same group name with the existing group.

All the group names in the entries in the changed group list are automatically changed.

You cannot change the group name ' General '.

3. Deleting Phone Number

1. Deleting Entire PhoneBook



[TopM.] Select Menu Select Lock/Secure and enter the password Select Clear List
Select PhoneBook Select the value

2. Deleting an entry

Use the phone number search function to select the entry to delete. (See P.40-42 for searching for phone number.)



Select the list to delete, and then select [DEL] Select the value

3. Deleting individual item

Select the entry to delete with the search function. (See P.40~42 for Searching Phone Number.)




Select the entry Select the item to delete Press  to delete  [DONE]

4. Deleting group

Delete the group to delete. (See P.41 for Recall by Group)



 [DEL] Select the value

If you select a group, all information in the group is moved to the General group. The ' General ' group is not deleted.

4. Searching for phone number



[TapM.] Select Menu PhoneBook Select a search method

If you type the first character of the name in ' Quick Search ' and ' Recall by Group ', the names and group names starting with the character are displayed.


1. Quick Search

The names are listed in alphabetic order on the PhoneBook.



Select Quick Search Select the entry Display information

Any entry without name is placed in the bottom of the list.

Press  in the idle mode to move directly to ' Quick Search '.

2. Recall by Group

You can view the list of group, and search for a number in a group.



Select Recall by Group Select the group to search Select the entry View information

3. Recall by Name

Enter the name to search.



Select Recall by Name Enter the name Select the entry View information

4. Recall by address

You can select address which you want to find with input address.



Select Recall by Address Enter the address View information

5. Viewing Phone Book information



[TopM.] Select Menu Phone Book Select a menu

To return to the previous screen, press [Back] and [OK].

1. Viewing CLI List



Select CLI List



View information

Up to 30 calling numbers are stored.

2. Viewing UnansCall




Select UnansCall



View information

Up to 30 unanswered call numbers are stored. If the number is on the Phone Book, the name is displayed.

If you select  in the idle mode, the UnansCall list is displayed.

3. Viewing Send Call List



Select Send Call List



View information

Up to 30 call numbers are stored.

4. Deleting CLI List/ UnansCall / Send Call list

1. Deleting entire list



[TopM.] Select Menu Select Lock/Secure, and then, enter the password. Select Clear List
Select the list to clear Select the value

2. Deleting individual item

Select the item to delete, and then press [DEL].

5. Viewing CLI List / UnansCall / Send Call List on the Sub LCD



Press twice Search with , and the press View call details

To make a call to the searched phone number, select ' Send ' and press . It is available only when you use the earmic.

6. Memory Status



Select Memory Status

You can view the status of the Phone Book.

7. View My Num



Select View My Num

You can view your own phone number.

V. Tone control

1. Selecting Ringer	47
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3. Ring Volume	49
4. Ringer Option	50
5. Connect Tone	50
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1. Selecting Ringer

You can select the ringer by downloading various melodies from the service provider in addition to the default melodies.



[TopM.]

Select Menu

Tone Control

Ringer Style

Select the ringer type

Select a ringer

Ringer Tone : 1 ~ 10

Melody : 1 ~ 20


Natural Sound : 1 ~ 4



Voice Bell : 1 ~ 4

2. Ring / Vibration

You can select ring or vibration for incoming call or message.



 [TopM.] Select Menu Tone Control Ring/Vb Select a mode


Ring, Vib () is displayed on the LCD), VbThenBell () is displayed on the LCD), Lamp

1. Setting etiquette mode

You can change the tone from ring mode to vibration or lamp.


1. Setting



 Press and hold

A message 'Etiquette mode is on' is displayed, and then, with vibration, the LCD is switched into idle mode.

2. Releasing

 Press and hold

A message 'Etiquette mode is off' is displayed, and then, the LCD is switched into idle mode.

If the etiquette mode is on

Ringer : Vibration with lamp

Key tone : Mute

Alarm : Vibration with lamp

Connect tone : Mute

1 Min Timer : Mute

Reminder tone : Vibration with lamp

(For ' Reminder tone ', if ' Alarm Off ' is set, the lamp blinks. See P.88 for details.)

3. Ring Volume

You can control ring volume. (5 Steps)



[TopM.] Select Menu Tone Control Ring Volume Set the volume


Control the volume with



4. Ringer Option

You can select the ringer option.




 [TopM.] Select Menu Tone Control Ringer Option Select an option

- ┌ To Set Volume : As set in Ring Volume.
- ├ Low to High : Ring volume increases from Stage 1 to Stage 5, and keeps Stage 5.
- └ High to Low : Ring volume decreases from Stage 5 to Stage 1, and keeps Stage 1.

5. Connect Tone

The connect tone informs you that the call you have placed is being connected.



 [TopM.] Select Menu Tone Control Connect Tone Select a value

6. Sound Effect

You can select the sound effect for Power On/Off.



[TopM.]

Select Menu

Tone Control

Sound Effect

Select a value

VI. Alarm and Timer

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1. Alarm



[TopM.]


Select Menu

Alarm/Timer


Alarm

1. Alarm setting



You can display the ' Alarm Setting ' menu by pressing  in the idle mode.

To turn off alarm, open/close the lid, or press a keypad.

'  ' is displayed on the LCD if alarm is set.

Select Alarm Setting

Select an alarm setting option

1. Choose Time

You can set the alarm to go off at some time later (as you require), instead of a certain time.

Select Choose Time select time

10 Min later / 30 Min later / 1 Hour later / 3 Hour later

2. Set Time

You can set the time and alarm cycle.

Select Set Time Enter time Select cycle

- Entering time ?

Enter Hour



[OK]

Enter Min



[OK]

am/pm



To move to the next field, press



If you enter Hour and Min with the keypad, the cursor automatically moves to the next field.

Alarm Cycle

—Once : Alarm is on once at the designated time

—Everyday : Alarm is on at the designated time every day

3. Setting Bell

You can select a ring for alarm.

Select Setting Bell Select Ringer Style Select a ringer

If you don't select a ringer, the alarm is on with the default alarm tone. (Default tone : Bell 1)

If the phone is set to ' Vibration ' or ' Etiquette mode ', the alarm is on with vibration.


Alarm volume increases regardless of the ringer option. (Increases from Stage 1 to Stage 5. See P.50 for Ringer Option.)

2. Alarm Off





Select Alarm Off Select the alarm to clear Select value


You can clear alarm as below.

- Clearing Choose Time : Clears ' Choose Time '
- Clearing Set Time : Clears ' Set Time '
- '  ' disappears from LCD if the alarm is off.

2. World Time



To return to the previous LCD display, press  [Back] or .

 [TopM.] Select Menu Alarm/Timer World Time Search with

Seoul, Tokyo	Guam, Sydney	Samoa	Honolulu
Anchorage	San Francisco	Seattle	LA
Denver, Phoenix	Mexico City	Chicago, Dallas	Detroit, Miami
Washington	Montreal, NewYork	Boston	Rio de Janeiro
Lisbon, Madrid	London	Paris, Amsterdam	Rome, Berlin, Vin
Athens, Helsinki	Jerusalem	Moscow, Baghdad	Tehran, Abu Dhabi

Athens, Helsinki
Calcutta
Taipei

Jerusalem
Bangkok, Jakarta

Moscow, Baghdad
Singapore

Tehran, Abu Dhabi
Beijing, Hong Kong

3. Timer



[TopM.]

Select Menu

Alarm/Timer

Select Timer

Select an option

1. Individual

Shows the time taken for the latest call.

2. Cumulative

Shows the total time of the calls you have made from service start to now. You cannot reset the Cumulative time.
(See P71).

3. Roam Timer

Shows the time you have made a call using other service Provider.

4. Reset Timer

Shows the accumulative time after the reset.



[Top Menu] Select Menu Alarm/Timer Select Reset Timer Reset

' Resetting Reset Timer '

When the Reset Timer is displayed [Reset] Select value

The call time displayed on LCD does not match to the charged call time.

4. 1 Min Timer

You can check the call timer during a call. The phone gives you alarm at 10 seconds prior to every minute.



[TopM.] Select Menu Alarm/Timer 1 Min Timer Select value

VII. PIMS

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| 2. To do list | 61 |
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1. Schedule

If you select schedules, the alarm is on the designated day and displays the content.



[TopM.]

Select Menu

PIMS

Schedule

1. Entering Schedule



Select Enter Schedule

Enter date

Enter time

Select alarm time

Enter content

When entering date, switch input mode with . The input mode changes ' Day Month Year '.

Press at each mode to enter date, month and year.

You can enter numbers of schedules in a day.

You can save up to 20 schedules.

You can enter up to 96 Hebrew letters and up to 96 English letters for content.

2. Checking Schedule



Select Check Schedule Select the date View content

The next scheduled date is highlighted, and other scheduled dates are outlined.

If numbers of schedules are stored on a day, select the day and display the schedule list.

When alarm is on, press or [OK] to return to the initial screen.

3. Deleting Schedule

1. Deleting checked schedule

When a schedule is displayed, press [DEL].

2. Deleting entire schedule



[TopM.] Select Menu Select Lock / Secure and enter the password Clear List
Schedule Select a value

2. To do list

You can store the to do list on the phone.



[TopM.]

Select Menu

PIMS

To do list

1. Entering To do list



Select an event Enter content

You can save up to 20 events.



You can use up to 96 Hebrew letters or 96 English letters for an event.

'' is displayed on the event.

2. Checking To do list



Select the event to display Display the event

If you press  [End] after checking the event, '' is displayed, indicating that the event is completed.

To delete '' , press  [UNLOC] when the event is displayed.


3. Deleting To do list

1. Deleting the checked event

Press  [DEL] when an event is displayed.

2. Deleting all






 [TopM.] Select Menu Select Lock/Secure and enter password Clear List To Do List
Select a value.

3. Calendar

You can view the calendar.



 [TopM.] Select Menu PIMS Calendar Search Date

Press  to change the mode, and then change date with .

The calendars stored are from 1980 to 2044.

VIII. Phone Option

1. LCD Environment	65
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2. Phone Environment	69
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1. LCD Environment

1. Selecting backlit



[TopM.]

Select Menu

Phone Option

Light Select

Select a backlight

1. Selecting LCD backlight

You can set the time for LCD backlight on after the lid is open.



Select LCD backlight

Select a value

2. Selecting Key backlight

You can set the time for keypad backlight on.



Select Keypad backlight

Select a value

2. Changing banner



[TopM.] Select Menu Phone Option Change Banner Enter a new banner
 Display on the LCD in idle mode

You can enter up to 18 Hebrew Korean letters or 18 English letters.
 If you don't change the banner, the 'MOTOROLA' logo is displayed.

3. Controlling Contrast

You can adjust the luminosity of screen.



[TopM.] Select Menu Phone Option Contrast Ctrl Select an LCD Adjust the contrast

4. Setting Graphic

This is the function to let the user change graphic which appears according to the condition of phone.



[TopM.]

Select Shortcut

Graphic Mode

Select a screen

Select a graphic

1. Changing menu background color



You can select the color for LCD screen.

Light / Dark

Select Menu BG Color

Select a color

2. Deleting Graphic

Select a downloaded graphic and press  [DEL].

5. Service light

You can view the service status in color in idle mode.



[TopM.]

Select Menu

Phone Option

Service Light

Select value

	Idle mode (Service light is set)		Call status (always displayed)	
Light	Blue	Red	Spectrum	Purple
Phone status	available	unavailable	Incoming call	Call is connected

6. Language

You can select the language to be displayed on the phone.



Hebrew /
English



[TopM.]

Select Menu

Phone Option

ChangeLanguage

Select a language

2. Phone Environment (Security)



[Top.M.]

Select Menu

Select Lock/Secure and enter the password

Select a sub menu

1. Auto Lock

You can lock the phone so that it is not used by others.

1. Setting Auto Lock



Auto Lock

Select a value

2. Clearing Auto Lock




Auto Lock

Select a value

2. One-touch Lock


1. Setting One-touch Lock Press and hold .

2. Clearing One-touch Lock Press and hold , and enter the password.

You can still answer a call even when the phone is locked.

Even if the phone is off and on again, the phone keeps the lock.

You can still make a call to *166, 100, 101, 102 or other emergency number, or to turbo dial 1 even when the phone is locked.

Clearing lock to use the phone is a temporary clearance. In order to clear lock completely, press  and enter the password, or set the value to ' No ' in Auto Lock menu.

3. Changing Lock Code

You can change the password to clear Auto Lock or to use other security options.



Select ChangeLockCode

Type a new code

Re-enter the new code

The default Lock Code is ' 0000 '.

4. Master Reset

You can reset the phone functions to the default status.



Select Master Reset Select value

After you reset the phone, the phone gets off/on.

You cannot reset the information in Phone Book, received voice message and SMS message, downloaded graphic and melody, received message, and total call timer.

5. Changing NAM

If you use 2 or more numbers, or have subscribed to 2 or more carriers, you can select one of the phone numbers. When you change the NAM, the phone gets off/on.





Select Change NAM Select a NAM

6. S/W Version

You can view the S/W version of the phone.



Select S/W Version

Press  [OK] or  to return to the previous screen.

IX. Supplementary Functions

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1. Calculator



[TopM.] Shortcut Calculator Enter figures Enter operator with

Press or to view the result

Press to reset the calculator.

Press to enter a decimal point

2. Recording

You can record conversation during the call or in idle mode.

1. Recording


- During the call : Press and hold ' ' during the call. You can record the voice of the other party only.
- In idle mode : Open the lid and press and hold ' '. The phone starts recording with ' beep '.

2. Finishing recording

Press [End].

If the call is disconnected, the recording is stopped automatically.


If a call is incoming, recording stops at that point.


You can cancel recording if you press  [Back].

You can record up to 10 times with 10 min per a record.

3. Playing




Press  Select Play Select the item to play

You can use  to display the recording list.

4. Deleting


1. Deleting individual record




Press  [DEL] when the record is displayed
Select value

2. Deleting all




Press  Delete All Select value

3. Editing the phone

You can move the most frequently used menus to Shortcut. If ' Option ' key is activated for some menus, you can press  [Option] to move the function to Shortcut.



Select a menu  [Option] Select value Select the location in
Shortcut Copy to Character

You cannot use edit function for the menus in Lock /Secure.

The menus in Shortcut are available to move within the folder.

The menus are remained in the existing folder, even though they are moved to Shortcut.

To delete a menu from Shortcut, select the menu to delete, press  [Option], and then select Delete option.

4. Wireless Data Communication Service

You can use internet and E-mail on the phone without additional modem, if you can connect your phone to a notebook or a PC over the wireless data cable.

You should purchase a data communication cable from the nearest Motorola service center or the accessory dealer.

See User 's Guide of the data communication cable for PC environment and other details.

Please contact the carrier for details.

1. Data setting



[TopM.]

Select Menu

Data

Select Data Mode / Data Rate

1. Data mode

You can set the data receiving mode.

- Data : You can receive data call.
- Fax : You can receive Fax data.
- Call : You can receive voice call.

Please contact the carrier for details.

2. Data rate

You can set the data rate between the phone and PC (notebook).

The maximum data rate between the phone and PC (notebook) must be :

9600 / 19200 / 15200 / 230400

X. On-call Functions



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X. On-call Functions

1. Controlling volume during the call



You can control volume during the call

Press   during the call.


2. Memo during the call



You can save a new number during the call.


Enter a phone number during the call

The number you entered during the call is stored in ' Send Call List '.

If you press  after the call, you can make a call to the number stored in Send Call List without saving it.

3. Viewing menu during the call

You can search Phone Book during the call.

Press  during the call Select the menu


4. Sending my number



You can send your number on the phone or beeper of the other party.

Press  during the call

Your number is displayed on the screen. The screen returns to call mode after transmitting your number.

You should press  to release memo before you send your number.


5. Silence

You can activate silence mode during the call so that the other party cannot hear you talk.

1. Activating silence mode



Press  during the call

To clear silence mode, press .

XI. SMS

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1. Reading Message

1. Text Message

1. Reading a message



Confirm message



[Msg]

Text Msgs

Select a message




[OK]

The phone makes alert when a new text message is received. (See P.88 for Alert Method)

The latest received message is on the top of the list.

In case of repeated message, the latest message is displayed.

Press  to read the next message.

To make a call to the caller 's number, press .

2. Replying/Relaying a message



[Option] Select Reply/Fwd Enter the sender Enter text Select value Enter the receiver

- Reply : You can send reply to the sender.
- Fwd : You can forward the message to other person.

When you enter the receiver, the sender 's phone number is automatically displayed.

If you send the message to another person, press or to move to the next line, and then enter the number.

You can search for the number on the Phone Book by pressing .

3. Message Lock

You can set Lock to a message to protect it from being deleted. Clear Message Lock first to delete the message.



[Option] Select Lock Select value

Press [Option] and select ' Clear ' to clear Message Lock.

2. Voice Message



Confirm message





[Msg]

Voice Msg



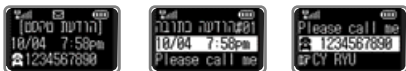
[OK]

To access the voice mailbox, press '*151' and , or press and hold .

If numbers of voice messages are received, the latest voice message is displayed.

3. Reading Message on the Sub LCD

If the lid is closed, a message receiving is displayed on the Sub LCD



Confirm message

Press








Read message with




1. Reading a text message



If you have select View Msg in Alert Method, you can read the message on the Sub LCD.

(See P.88~89 for Alert Method.)

If a message is received, press , and then press   to read the message. If there is a message you have not read, you can continue reading the message with  .


You can make a call to the sender if you select ' Call ' and press . It is available only when you use the earmic.

2. Retrieving voice message

To access the voice mailbox, select ' Voice mailbox ', and press . If the call back number is displayed, select ' Call ' and press . It is available only when you use the earmic.

2. Sending Message



 [Msg] Send a Msg

1. Sending a new message



Select New Msg



Enter receiver



Enter text



Set Msg storing option



Enter sender

2. Sending a stored message



Select Stored Msg Select the message to send Check and enter content SetMsg storing option Enter receiver Enter sender

1. Selecting receiver

You can send a message to numbers of receivers. After you enter the receiver, move the cursor to the next line with press [OK]. You can send a message to up to 6 receivers.

Press [Option] to recall a mobile number from the Phone Book.

If you type the first character, the phone displays the names starting with the character. Press [OK] to move to quick search. Search for the number with , and then press [OK].

If you save the message, you can select the saved message and send it.

You can save up to 30 messages.

For the receiver who failed to receive the message, a fail list is made, displaying the resend message.

If you receive a call while you entering message, the message is saved automatically.

3. Alert Method



[Msg]

Alert Method

Select a sub menu

1. Reminder Tone



You can select the reminder tone.


Reminder Tone Select an option

- Once : One reminder tone for a message
- Every 2 Min : Every 2 minutes before you read the message
- Off : No reminder tone but flickering lamp.

2. View Msg



You can select the way how the message is noticed on the LCD.

- Full : The initial text line is displayed on the LCD. You can read the full text with
- Title : The type and caller number is displayed.
- Off : Only the message icon '  ' is displayed.



View Msg

3. Msg Sound

You can select the alert tone.



Msg Sound

SMS sound 1~5

4. Deleting Message

You can delete the received message or the stored message.

1. Deleting individual message



[Msg]

Select the message type (Voice/Text)

Select value

Select the message to delete



[DEL]

2. Delete All



[Msg]

Delete Msgs

Select the message type

Select value

The ' Locked ' message is not deleted. You need to clear Message Lock first.
(See P.84 for Message Lock.)

Voice messages must be deleted from the voice mailbox.

XII. WAP

1. Accessing GoNext

93




1. Accessing GoNext

GoNext is an interactive information service that enables you to search internet on your mobile phone.


1. Accessing GoNext




Press  [WWW] in the idle mode.

2. GoNext Menu



- Refresh : You can update the current site.
- New URL : You can enter the site address to visit.
- Phone mode : You can go into the phone mode temporarily to us Phone Book, Tone Control, Alarm/Timer, and PIMS.
- TOP URL : You can move to the top site. Press and hold .

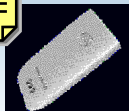
connecting 

'' and '' are displayed on the LCD while you are connected to GoNext.

XIII. Appendix

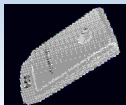
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1. Accessories



550mAh(V720)

Battery Pack



930mAh(V720)



Earmic



Data Communication Cable



Cable Charger



Handsfree kit



Cigar Lighter Charger



Desktop Charger

2. Troubleshooting



Nothing displayed on the screen

- Check the battery pack state. (Discharged or connected wrong)

No antenna graphic displayed on the screen

- Move to other place and attempt a call again.

Alarms heard when a call is placed

- There is no communication channel available or difficulty in communicating with the base station. Press  to end the call and press  to redial.

Charging lamp on the charger flashes in red

- Check the location of the battery pack and then attempt a call again. Clean the terminals and attempt a call again. If the lamp keeps flashing in spite of several attempts, contact the nearest Motorola service center.

Battery pack operating time is different from the explanation in the User 's Manual.

- If you charge and discharge the battery pack continuously, its operating time becomes shorter gradually than when purchased. If the charged battery pack is exposed to low or high temperature, its operating time may varies.

Malfunctions arisen during using the phone or no power ON

- Remove the battery pack and reinstall it, and then turn the power ON.