

## 411 View video

Playing video in the SD card.

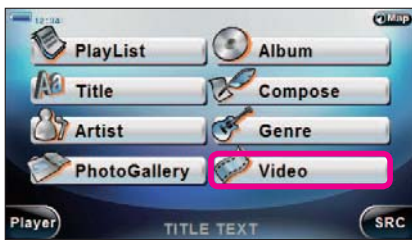
### Preparation

Have the SD card Top category screen displayed.



### Operation

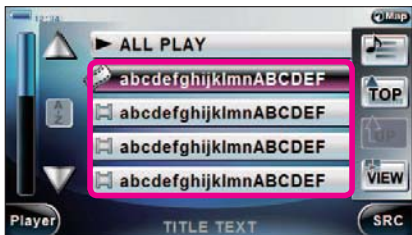
1



Select [Video].

<AC2000>

2



Select the button of the video to play.


Select [Δ] and [▽] to scroll.

<AC2800>



<VC0000>

### note

- Select [SRC] in **2** to return to the Source menu or [TOP] to return to the Top category screen. Or select  to display a list of videos being played.
- Select [VIEW] in **2** to change the list to thumbnail display. Select [VIEW] in thumbnail display to return to list display.
- Select [Player] in **2** to play sequentially from the first video file.

Complete

## 412 Control while playing video

Touch the center of the screen while playing video in an SD card to display the control buttons.

### Preparation

Have video playing.

411

### Operation

1



Touch the screen.

<VC0000>



<VC1000>

Complete

SD card video play control screen (player control button)



- ① Select to display a list.
- ② [TOP] Select to display the top category.  
 402
- ③ [SET] Select to adjust the image quality.  
 615
- ④ **Play time bar** Select to display the play time bar. Touch the bar to play from the touched location.
- ⑤ **Playback information** Select to display the playback status, current chapter, and playback duration.
- ⑥ [◀▶] Select to play at x2 speed in the forward or backward direction.
- ⑦ [⏮] [⏭] Select a chapter.
- ⑧ [⏸] Select to pause/resume playback.
- ⑨ [SRC] Select to return to the Source menu.  
 401

### note

- Touch the screen to erase the player control buttons.

## 413 Display iPod's top category

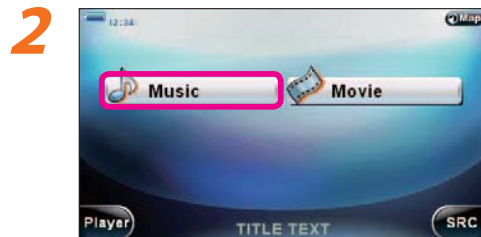
Displaying the iPod top category to select music.

### Preparation

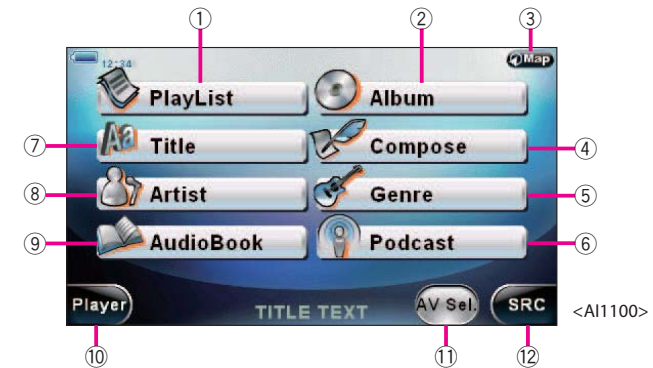
Have the Source menu displayed.



### Operation



iPod Top category screen



- |  |  |
|--|--|
| ① [PlayList]<br>Select to play by playlist.<br>See <a href="#">407</a> .                           | ⑦ [Title]<br>Select to play music by title.<br>See <a href="#">404</a> .                   |
| ② [Album]<br>Select to play music by album.<br>See <a href="#">405</a> .                           | ⑧ [Artist]<br>Select to play music by artist.<br>See <a href="#">406</a> .                 |
| ③  Map<br>Select to return to the current map screen.<br><a href="#">107</a> , <a href="#">112</a> | ⑨ [Audiobook]<br>Select and play audiobook. <a href="#">414</a>                            |
| ④ [Compose]<br>Select to play music by composer.<br>See <a href="#">408</a> .                      | ⑩ [Player]<br>Select to return to the Player screen.<br>See <a href="#">403</a> .          |
| ⑤ [Genre]<br>Select to play music by genre.<br>See <a href="#">409</a> .                           | ⑪ [AV Sel.]<br>Select to return to the Music/Video selection screen in <a href="#">2</a> . |
| ⑥ [Podcast]<br>Select to play podcast. <a href="#">415</a>   | ⑫ [SRC]<br>Select to return to the Source menu.<br><a href="#">401</a>                     |

### note

- On iPod without Video, the Music/Movie selection screen is not displayed in [2](#) and the Top category screen is displayed.
- See [403](#) for the screen displayed while playing.

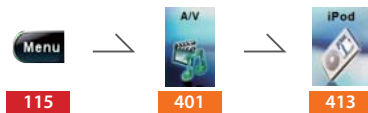
Complete

## 414 Play audiobook

Playing audiobook in iPod.

### Preparation

Have the iPod top category screen displayed.



### Operation

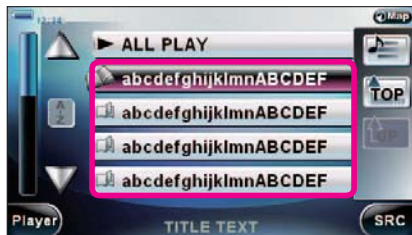
1



Select [Audiobook].

<AI1120>

2





Select the button of the audiobook to play.

Audiobook starts playing.  
Use [△] and [▽] to scroll the list.

<AI1150>

Complete

### note

- Select [ALL PLAY] or [Player] in **2** to play all audiobooks sequentially.
- Select [SRC] in **2** to return to the Source menu or [TOP] to return to the Top category screen. Or select  to display a list of audiobooks being played.
- See **403** for the screen displayed while playing.
- You can change the audiobook playback speed.  **618**

## 415 Play podcast

Playing podcast in iPod.

### Preparation

Have the iPod top category screen displayed.



### Operation

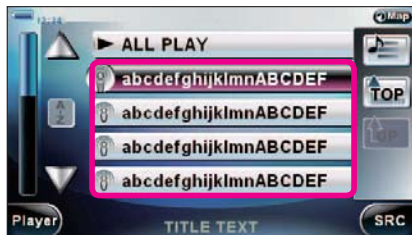
1



Select [Podcast].

<AI1120>

2




Select the button of the podcast to play.

Podcast starts playing.  
Use [△] and [▽] to scroll the list.

<AI1160>

Complete

### note

- Select [ALL PLAY] or [Player] in **2** to play all podcasts sequentially.
- Select [SRC] in **2** to return to the Source menu or [TOP] to return to the Top category screen. Or select  to display a list of podcasts being played.

## 416 Display iPod video library

Displaying the iPod video library from the Source menu.

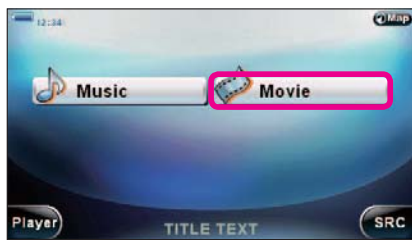
### Preparation

Have the Source menu displayed.



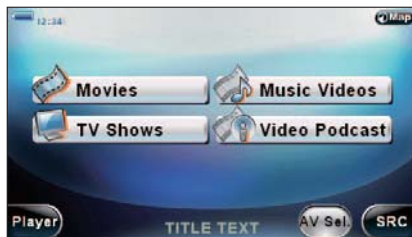
### Operation

1



Select [Movie].

<AI1000>



The iPod video library screen appears.

<AI1200>

Complete

iPod Video Library screen



- ① **[Map]**  
Select to return to the current map screen.  
☞ 107, 112
- ② **[Music Videos]**  
Select to play a music video. ☞ 417
- ③ **[Video Podcast]**  
Select to play a video podcast. ☞ 417
- ④ **[Movies]**  
Select to play a movie. ☞ 417
- ⑤ **[TV Shows]**  
Select to play a TV show. ☞ 417
- ⑥ **[Player]**  
Select to display the Player screen.  
☞ 418
- ⑦ **[AV Sel.]**  
Select to return to the Music/Video selection screen in 1.
- ⑧ **[SRC]**  
Select to return to the Source menu.  
☞ 401

### note

- On iPod without Video, the Music/Movie selection screen is not displayed in 1 and you are returned to the Top category screen. ☞ 413

## 417 Play video on iPod

Playing video files in iPod.

### Preparation

Have the iPod video library screen displayed.

416

### Operation

1



Select the button of the type of video file to play.

<AI1200>

2



Select the button of the file to play.

A video file starts playing.  
Use [Δ] and [▽] to scroll the list.


<AI1210>



<VI0000>

Complete

### note

- Select [ALL PLAY] or [Player] in **2** to play all video files continuously.
- Select [SRC] in **2** to return to the Source menu or [TOP] to return to the video library. Or select  to display a list of video files being played.
- See **418** for the screen displayed while playing a video file.

## 418 Control while playing video with iPod

Touch the center of the screen while playing iPod video file to display the control buttons.

### Preparation

Have an iPod video file playing.

417

### Operation

1



Touch the center of the screen.

&lt;VI0000&gt;



Control buttons are displayed.

&lt;VI1000&gt;

Complete

iPod video play control screen (player control buttons)



- ① **Map**  
Select to return to the current map screen.  
[ 107 , 112 ]
- ② **Music icon**  
Select to display a list of category containing the content being played.
- ③ **[TOP]**  
Select to return to the iPod top category.  
[ 413 ]
- ④ **[SET]**  
Select to display the iPod setup screen.  
[ 618 ]
- ⑤ **Play time bar**  
Select to display the play positions.  
Touch the bar to play from the touched location.
- ⑥ **Playback information**  
Select to display the playback status, current chapter, and playback duration.
- ⑦ **[<<] [>>]**  
Select to play at x2 speed in the forward or backward direction.
- ⑧ **[<<<] [>>>]**  
Select a chapter.
- ⑨ **[▶||]**  
Select to start or pause play.
- ⑩ **[SRC]**  
Select to return to the Source menu.  
[ 401 ]

### note

- Touch the screen to erase the player control button.
- You can set whether to display in wide mode and the type of video signal. [ 618 ]



## 419 Play music in Bluetooth device

Playing music in Bluetooth device.

### Preparation

Have the Source menu displayed.



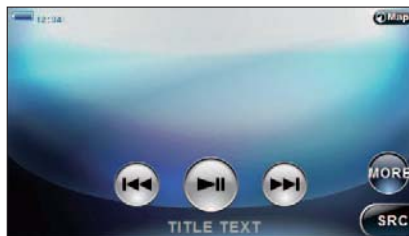
### Operation

1



Select [Bluetooth].

<A00000-1>

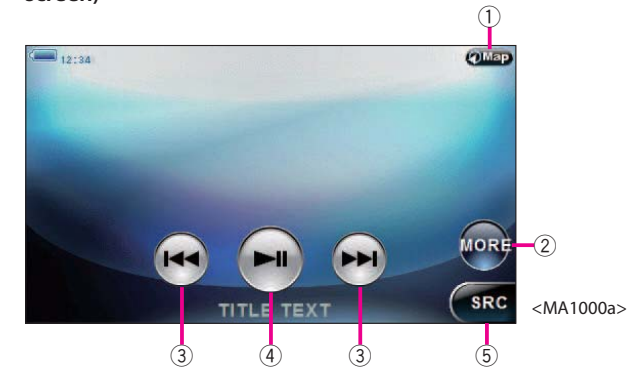


Control buttons are displayed.

<MA1000a>

Complete

### Bluetooth music play control screen (Main screen)



- ① **[Map]**  
Select to return to the current map screen.  
107, 112
- ② **[MORE]**  
Select to display the More screen.
- ③ **[<<] [>>]**  
Select a song.
- ④ **[▶||]**  
Select to start or pause playing music.
- ⑤ **[SRC]**  
Select to return to the Source menu.  
401

### Bluetooth music play control screen (More screen)



- ⑦ **[BACK]**  
Select to return to Main screen.
- ⑧ **[<<] [>>]**  
Select to play at x2 speed in the forward or backward direction.

### note

- When a Bluetooth device supporting profile A2DP is connected, you can play music in that device.
- When a Bluetooth device supporting profile AVRCP is connected, you can perform the above controls.

## 420 Play DVD

Playing DVD.

### ≡ Preparation

Have the Source menu displayed.



### ≡ Operation

1



**Select [DVD].**

DVD starts playing.


<A00000-2>



<VD0000>

Complete

### ≡ note

- [DVD] is not shown on the Source menu when iPod is connected.
- An optional B cradle is necessary in order to connect a DVD player.
- Set the video source to "DVD" when a DVD player is connected.  [616](#)

## 421 Control while playing DVD

Touch the center of the screen while playing DVD to display the control buttons.

### Preparation

Have a DVD playing.

420

### Operation

1



Touch the screen.

<VD0000>

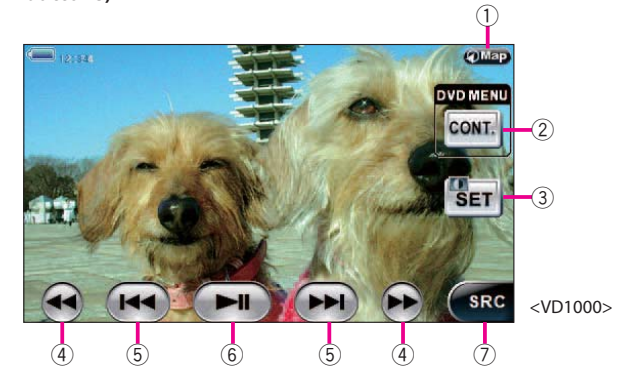


The player control buttons appear.

<VD1000>

Complete

DVD video play control screen (player control buttons)



- ① **Map**  
Select to return to the current map screen.  
107, 112
- ② **[CONT.]**  
Select to display the disc control buttons.
- ③ **[SET]**  
Select to adjust the image quality.  
615
- ④ **[<<<] [>>>]**  
Select to play forward or backward at x2 speed.
- ⑤ **[<<<] [>>>]**  
Select a chapter.
- ⑥ **[▶||]**  
Select to start or pause play.
- ⑦ **[SRC]**  
Select to return to the Source menu.  
401

### note

- Touch the screen to erase the player control buttons.

## 422 Disc control buttons

Selecting the player control button [CONT.] to display disc control buttons.

### Preparation

Have the player control buttons displayed.

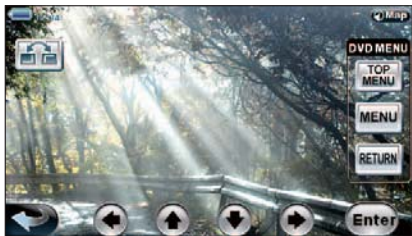
421

### Operation

#### 1 Select [CONT.].



<VD1000>

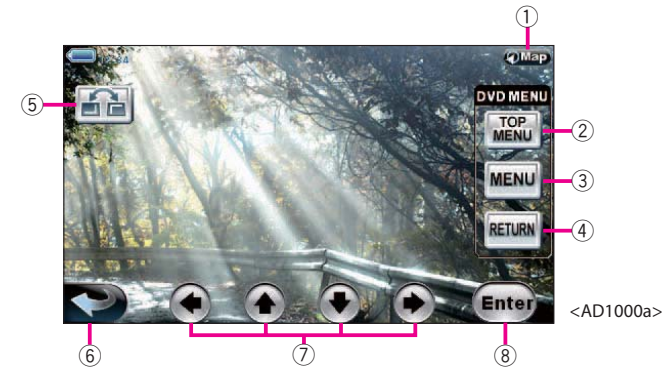





Disc control buttons appear.

<AD1000a>


Complete

### DVD MediaPlayer screen (Disc control buttons)



- |   |  |
|---|--|
| <p>① <b>[Map]</b><br/>Select to return to the current map screen.<br/></p> <p>② <b>[TOP MENU]</b><br/>Select to return to the top of the disc menu.</p> <p>③ <b>[MENU]</b><br/>Select to display the disc menu.</p> <p>④ <b>[RETURN]</b><br/>Select to move up a level in the disc menu.</p> | <p>⑤ <br/>Select to move the display position of the disc control buttons.</p> <p>⑥ <br/>Select to return to the previous screen.</p> <p>⑦ <b>[↑] [↓] [←] [→]</b><br/>Select a disc menu item.</p> <p>⑧ <b>[Enter]</b><br/>Select to confirm item selection.</p> |
|---|--|

### note

- The disc menu is specific to the DVD being played and the available controls depend on the DVD.
- When the disc control buttons are displayed, touching the disc menu has no effect.
- If the disc control buttons are overlapped with the background and difficult to see, select  to change the display position.
- Touch the screen to erase the disc control buttons.
- The zoom function and angle function are not supported.

## 423 View digital TV

Viewing digital TV.

### ≡ Preparation

Have the Source menu displayed.



### ≡ Operation

1



Select [DVB-T].



The digital TV screen appears.

Complete

### ≡ note

- Only PNx-7 can be viewed for digital TV.
- If the previously viewed channel cannot be received, the digital TV control screen appears. [424](#)
- Channel scan starts the first time you view digital TV after purchase. [425](#)  
Digital TV cannot be received without performing a channel scan.
- You must perform channel scan in order to receive digital TV broadcasts.

## 424 Control digital TV

Touch the center of the digital TV screen to display the control buttons.

### Preparation

Have the digital TV screen displayed (no need to tune to a channel).

423

### Operation

1



Touch the screen.

&lt;VT1000&gt;



The TV control buttons appear.

&lt;AT1100&gt;

Complete

### Digital TV control screen (TV control buttons)



- ① **[Map]**  
Select to return to the current map screen.  
☞ 107, 112
- ② **[PRESET CH]**  
Select to display the preset channel list.  
☞ 427
- ③ **[P-LIST]**  
Select to display a program list screen.  
☞ 426
- ④ **[EPG]**  
Select to display the program guide.  
☞ 429
- ⑤ **[Voice Stream]**  
Select to switch voice stream.
- ⑥ **[Seek]**  
Select to switch to the next channel.  
☞ 428
- ⑦ **[TeleText]**  
Select to display text information. ☞ 431
- ⑧ **[Scan]**  
Select to scan and preset channels.  
☞ 425
- ⑨ **[SRC]**  
Select to return to the Source menu.  
☞ 401

### note

- This function is available only for PNX-7.
- Touch the screen to erase the TV control buttons.

## 425 Scan and preset digital TV channels

Scanning and presetting channels available at your area.

### ≡ note

- This function is available only for PNX-7.
- Select the button of the channel displayed in **3** to start playing that channel.
- The digital TV control screen is displayed after scan completes the first time you change the source to digital TV.

### ≡ Preparation

Have the digital TV control screen displayed (no need to tune to a channel).

423

### ≡ Operation

1



#### Select [Scan].

A confirmation message is displayed.

2

#### Select [YES].

Channel scan starts.  
When channel scan completes, the scan result is displayed.

3



#### Select .

Select to return to the digital TV control screen.

Complete

## 426 Tune digital TV from program list

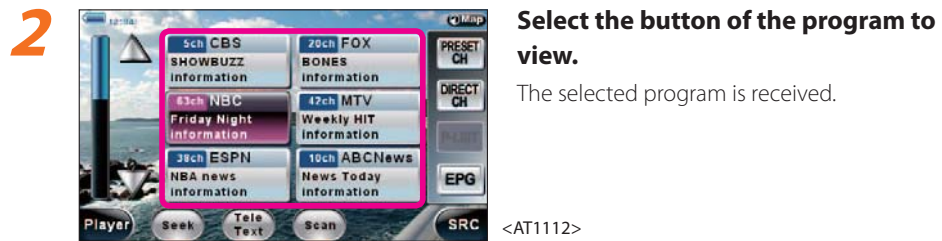
Tuning from the program list of current channels.

### Preparation

Have the digital TV control screen displayed.

423

### Operation



Complete

### note

- This function is available only for PNX-7.
- The program list does not appear until channel scan is complete.



## 427 Tune digital TV from preset list

Tuning from preset list of channels.

### Preparation

Have the digital TV control screen displayed.

423

### Operation

1



Select [PRESET CH].

<AT1120>

2



Select the button of the channel to view.

Tunes to the selected channel.

<AT1120>

3

Select [Player].

The button disappears.

Complete

### note

- This function is available only for PNX-7.
- The program list does not appear until channel scan is complete.
- If you selected [Release] in **3**, the selected channel is deleted from the preset list.

## 428 Tune digital TV by channel seek

Tuning to the next channel.

### Preparation

Have the digital TV control screen displayed.

423

### Operation


**1**



**Select [SEEK].**

<AT1120>

**2**



**Select the seek direction button.**

The next channel is received.

<AT1140>

**3**

**Touch the screen.**

The button disappears.

Complete

### note

- This function is available only for PNX-7.

## 429 View digital TV program guide

Tuning from the EPG (Electronic Program Guide).

### Preparation

Have the digital TV control screen displayed.

423

### Operation

1



Select [EPG].

&lt;AT1120&gt;

2



Select the button of the program.

Use [Δ] and [▽] to scroll the list.

&lt;AT1160&gt;



The program detail screen appears.

&lt;AT1115&gt;

3

Select .

Complete

### note

- This function is available only for PNX-7.
- Select [Player] in **2** to return to the original program.

Next Page

## 430 Tune digital TV by channel number

Tuning by specifying a channel no.

### Preparation

Have the program list screen or preset channel screen displayed.

426 427

### Operation

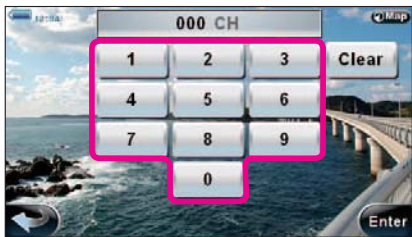
1



Select [DIRECT CH].

<AT1112>

2



Select a channel with the ten keys.

<AT1112>

3

Select [Enter].

The specified channel is received and the button disappear.

Complete

### note

- This function is available only for PNX-7.

## 431 Display digital TV text information

Displaying text information.

### Preparation

Have the digital TV control screen, program list screen, or preset channel screen displayed.

423 426 427

### Operation

1



Select [TeleText].

<AT1120>



Text information is displayed.

<AT1150>

Complete

### note

- This function is available only for PNX-7.
- Touch the screen while text information is displayed to make it half transparent. Touch the screen once more to return to the TV screen.

## 501 Display Tools menu

Displaying the Tools menu from the Top menu to set such an option as Bluetooth.

### Operation



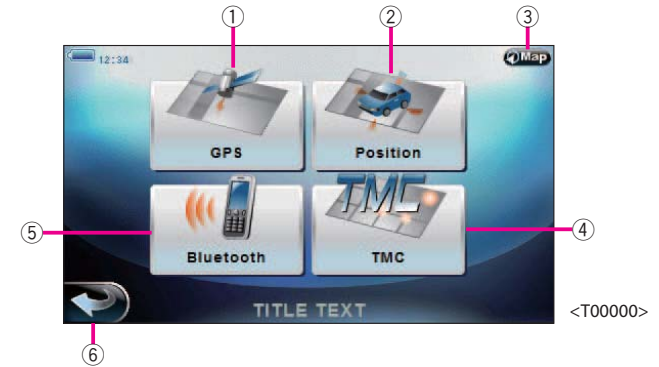
<TOP0000>





<T00000>

Complete

### Tools menu



- ① [GPS]  
Select to display the current position of the GPS satellites and reception information.  
☞ 503
- ② [Position]  
Select to display/reset drive information.  
☞ 505
- ③  Map  
Select to return to the current map screen.
- ④ [TMC]  
Select to display the TMC information.  
☞ 506
- ⑤ [Bluetooth]  
Select to set Bluetooth related settings.  
☞ 509
- ⑥   
Select to return to the Top menu.

## 502 Set GPS

Displaying information such as current position of GPS satellites.

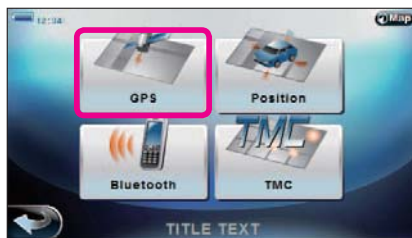
### ≡ Preparation

Have the Tools menu displayed.



### ≡ Operation

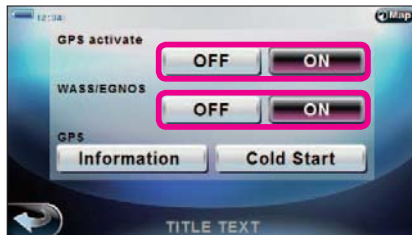
1



Select [GPS].

<T0000>

2



Select [ON] or [OFF] for “GPS Activate” and “WASS/EGNOS”.

<TG1000>

Complete

### ≡ note

- When you turn GPS Activation OFF, you will not receive signals from GPS satellites and positioning will be stopped. This will reduce consumption of built-in battery.
- WASS (North America) and EGNOS (Europe) are systems to increase positioning precision using stationary satellites. If turn this option OFF, this system is not used.
- Select [Information] in 2 to display GPS satellite information. [503](#)
- Select [Cold Start] in 2 to reset GPS satellite reception information. [504](#)

## 503 View GPS satellite information

Displaying information such as current position of GPS satellites.

### ≡ note

- Three-dimensional positioning is performed if radio signals are received from four or more GPS satellites. Two-dimensional positioning is performed and positioning precision is slightly reduced if radio signals are received from three GPS satellites. Positioning cannot be performed if radio signals are received from only two or less GPS satellites.

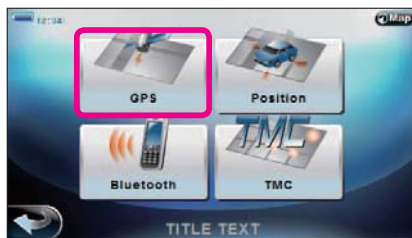
### ≡ Preparation

Have the Tools menu displayed.



### ≡ Operation

1



Select [GPS].

<T00000>

2



Select [Information] of "GPS".

<TG1000>



A GPS satellite layout diagram and strength of signal from each satellite are displayed.

<TG1120>

Complete



## 504 Reset reception

Resetting GPS satellite information.

### ≡ note

- If you drive for a long distance with the power of PND turned off, it may take a while to locate the current position when you turn the power back on. In such case, it may be faster to reset the GPS information as described above. There is no need to reset the GPS information in any other case.

### ≡ Preparation

Have the Tools menu displayed.



### ≡ Operation

1



Select [GPS].

<T00000>

2



Select [Cold Start] of "GPS".

A confirmation message is displayed.

<TG1000>

3

Select [YES].

The GPS satellite information is reset and you are returned to the screen in 2.

Complete

## 505 Display travel information

Displaying travel information.

### Preparation

Have the Tools menu displayed.



### Operation

1



Select [Position].

<T0000>



Travel information is displayed.

<TP1000>

Complete

### note

- If you select [Reset Max. Values], the Max. Speed and Max. Altitude are reset.  
If you select [Reset Max. Distance], Total Distance Traveled and Total Time are reset.

## 506 Display TMC information

Displaying TMC information.

### Preparation

Have the Tools menu displayed.



### Operation



1 Select [TMC].

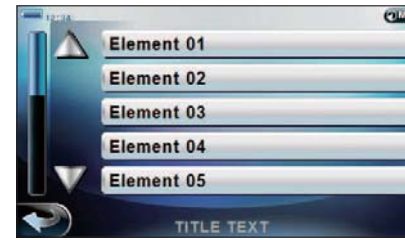


2 Select [TMC List].

<TT0000>

Next Page

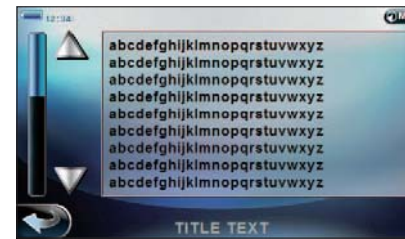
3



Select the button of the information to display.

Use [Δ] and [▽] to scroll the list.

<TT1000>



The selected TMC information is displayed.

<TT1120>

Complete

### note

- No TMC information can be displayed if none is received.

## 507 Select TMC Station to receive

Selecting the TMC Station to receive.

### ≡ note

- No TMC information can be displayed if none is received.

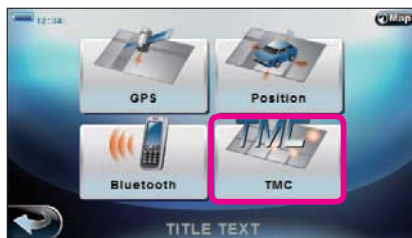
### ≡ Preparation

Have the Tools menu displayed.



### ≡ Operation

1



Select [TMC].

<T0000>

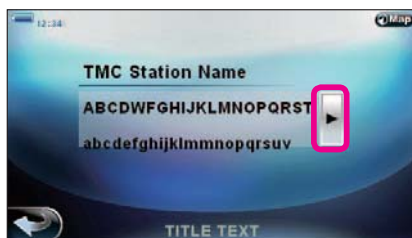
2



Select [Select TMC Station].

<TT0000>

3



Select [▶] until the TMC Station to receive is displayed.

<TT2000>

Complete

## 508 Display Bluetooth menu

Displaying the Bluetooth menu from the Tools menu to set Bluetooth options and operation.

### Preparation

Have the Tools menu displayed.

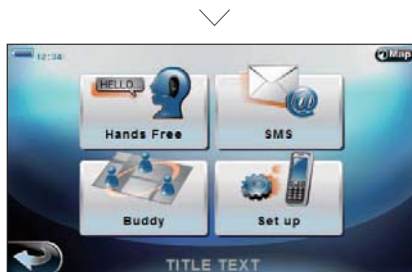


### Operation



Select [Bluetooth].

<T0000>

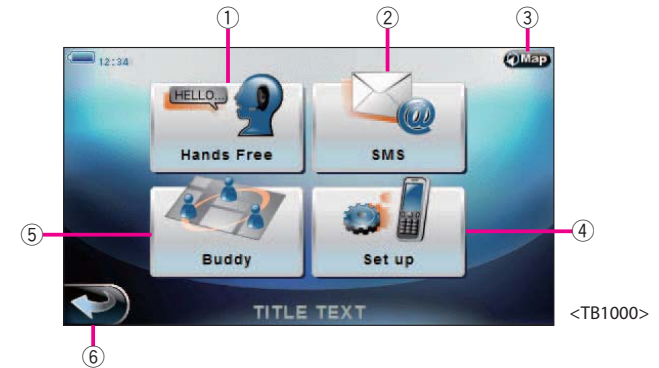


The Bluetooth menu appears.

<TB1000>

Complete

### Bluetooth menu



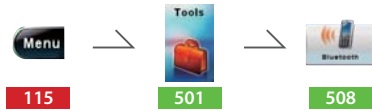
- ① [Hands Free]  
Select to make a phone call. ☎ 518 ~ 521
- ② [SMS]  
Select to send and receive short message (SMS). ☎ 522 ~ 526
- ③ Map  
Select to return to the current map screen.
- ④ [Set up]  
Select to display Bluetooth Setup Menu to set Bluetooth settings. ☎ 509
- ⑤ [Buddy]  
Select to send and receive position information. ☎ 527 ~ 529
- ⑥   
Returns you to the Tools menu.

## 509 Display Bluetooth setup menu

Displaying the Bluetooth setup menu to set Bluetooth options from the Bluetooth menu.

### Preparation

Have the Bluetooth menu displayed.



### Operation



Select [Set up].

<TB1000>

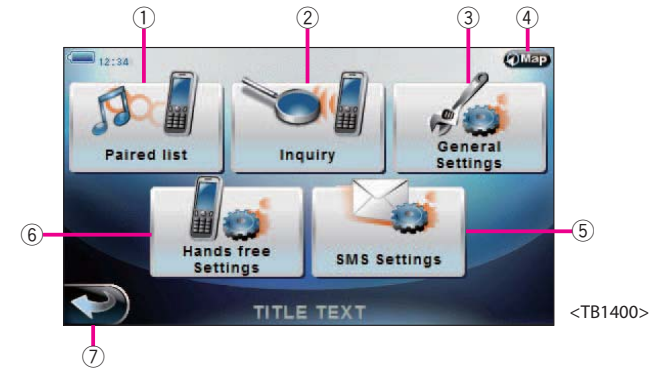


The Bluetooth setup menu appears.

<TB1400>

Complete

### Bluetooth setup menu



- ① [Paired list]  
Select to display the Bluetooth device connection history. ☎ 517
- ② [Inquiry]  
Select to connect with nearby Bluetooth device. ☎ 516
- ③ [General Settings]  
Select to set general Bluetooth settings. ☎ 510
- ④ Map  
Select to return to the current map screen.
- ⑤ [SMS Settings]  
Select to set SMS (Short Message Service). ☎ 513
- ⑥ [Hands free Settings]  
Select to set the hands free unit options. ☎ 514
- ⑦   
Returns you to the Tools menu.

## 510 Set general Bluetooth settings

Activating Bluetooth and other Bluetooth setup.

### Preparation

Have the Tools menu displayed.



### Operation



Select [General Settings].

<TB1400>



Select [ON] or [OFF] for “Bluetooth activation” and “Auto reconnection”.



<TB1430>



Select .

Returns you to the Bluetooth setup menu.

### note

- Set Bluetooth activation ON when using a Bluetooth device. Bluetooth function is disabled when it is OFF.
- When Bluetooth reconnection is turned on, Bluetooth devices are automatically reconnected when the this unit is turned on. Bluetooth devices are not reconnected automatically when it is OFF.
- Bluetooth devices are not automatically reconnected in the following cases even when Bluetooth reconnection is on.
  - Connection with Bluetooth device is intentionally disconnected
  - Power of Bluetooth device is off
  - Information of Bluetooth device is not in the pair list
  - Bluetooth Activation is off
  - No external power is supplied to the this unit
- In addition, some Bluetooth devices must be in standby mode to reconnect.
- Select [Device Name] in **2** to assign a name to Bluetooth device.  **511**
- Select [Passkey] in **2** to set pass key.  **512**

Complete

## 511 Naming Bluetooth device

Naming Bluetooth device.

### Preparation

Have the Tools menu displayed.



### Operation

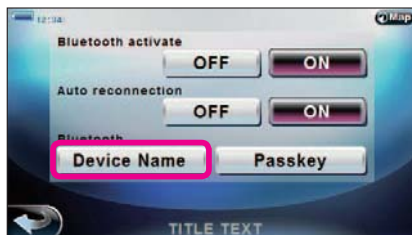
1



Select [General Settings].

<TB1400>

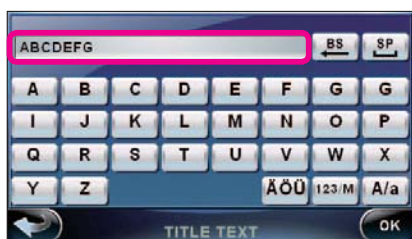
2



Select [Device Name] of "Bluetooth".

<TB1430>

3



Enter the name.

<TB1432a>

4

Select [OK].

Returns you to the Bluetooth setup menu.

Complete

### note

- Select [ÄÖÜ] in **3** to enter characters with umlaut, [123/M] to enter alphanumeric characters, and [A/a] to switch case.
- Select [BS] in **3** to delete the last entered character. Select [SP] to enter a space.

Next Page



## 512 Set passkey to Bluetooth device

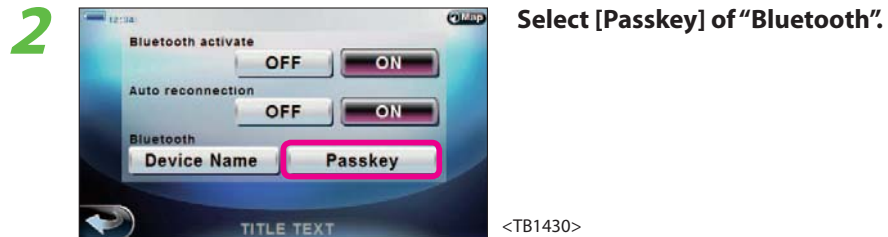
Setting passkey to Bluetooth device.  
Bluetooth device cannot be connected without passkey if passkey is set.

### ≡ Preparation

Have the Tools menu displayed.



### ≡ Operation



Next Page

# 4

Select [OK].

Complete

### ≡ note

- Passkey can contain up to 16 characters.
- Select [Clear] in **3** to clear all entered characters.

## 513 Set SMS

Setting the SMS incoming mode and incoming call tone volume.

### ≡ note

- If you select [Auto] in **3**, all messages are downloaded the first time you connect and new messages are downloaded thereafter as they are received.  
If you select [Manual], no automatic download is performed.

### ≡ Preparation

Have the Tools menu displayed.



### ≡ Operation

1



Select [SMS Settings].

<TB1400>

2

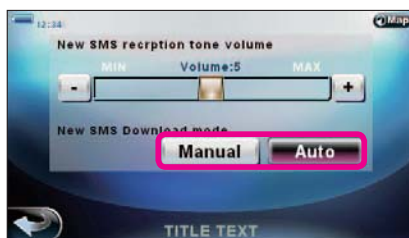


Select [+] or [-].

The incoming tone is sounded at the set volume each time you select.

<TB1450\_1>

3



Select [Auto] or [Manual].

<TB1450\_2>

Complete

## 514 Set hands free

Setting the hands free unit options.

### Preparation

Have the Tools menu displayed.



### Operation

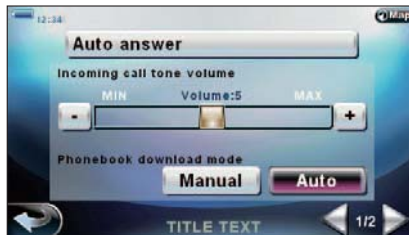
1



Select [Hands free Settings].

<TB1400>

2



Set each item.

<TB1440a>

Complete

The following items can be set:

Item	Description
Auto Answer	See <a href="#">515</a> .
Incoming call tone volume	Adjusts the incoming call tone volume. [+] Increases the volume. [-] Decreases the volume.
Phonebook down load mode	Sets the cell phone phonebook download mode. [Auto] Downloads the phonebook the first time you connect and downloads the difference thereafter. [Manual] Does not download automatically.
Noise reduction	Sets the noise reduction function. [ON] Enables the function. [OFF] Disables the function.
Echo cancellaion	Sets the echo cancellation function. [ON] Enables the function. [OFF] Disables the function.

### note

- On some cell phones, you cannot download the phonebook automatically even when you turn on the Phonebook download mode.
- "Noise reduction" and "Echo cancellaion" are on screen 2/2. Select [D] to display.

## 515 Set auto answer

Setting the duration before sending auto answer message for an incoming call

### ≡ note

- Select [Never] in **3** to disable auto answer.
- Select [Immediately] in **3** to send the auto answer message as soon as there is an incoming call.

### ≡ Preparation

Have the Tools menu displayed.



### ≡ Operation

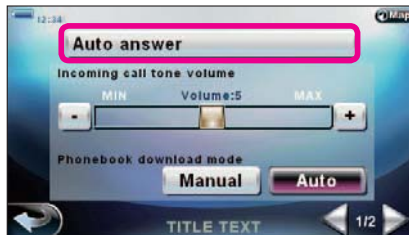
1



Select [Hands free Settings].

<TB1400>

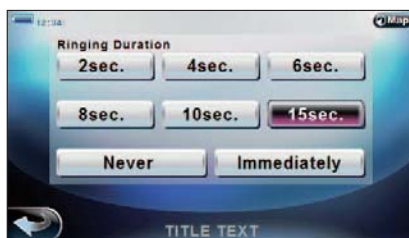
2



Select [Auto answer].

<TB1440a>

3



Select the button of the action to perform.

<TB1445>

Complete

## 516 Set inquiry mode

Search nearby Bluetooth device and connect.

### ≡ note

- In **3**, [HF] is displayed for Bluetooth devices that support profile HFS, HSP, or PBAP and [Audio] is displayed for devices that support profile A2DP or AVRCP.
- If the connected Bluetooth device is a cell phone, the phonebook and messages are downloaded.

☰ 513 514

### ≡ Preparation

Have the Tools menu displayed.

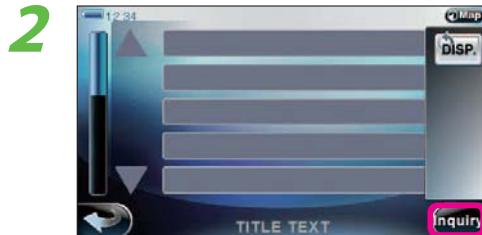


### ≡ Operation



Select [Inquiry].

<TB1400>



Select [Inquiry].

Available Bluetooth devices are searched and a list of found devices is displayed.

<TB1420\_0>



Select the button of the Bluetooth device to connect.

Use [Δ] and [▽] to scroll the list.  
If there are multiple pages, select [DISP] to change the page.

<TB1420>

Complete

## 517 Display connection history

Display the Bluetooth device connection history. Also display Bluetooth device information.

### Preparation

Have the Tools menu displayed.



### Operation

1

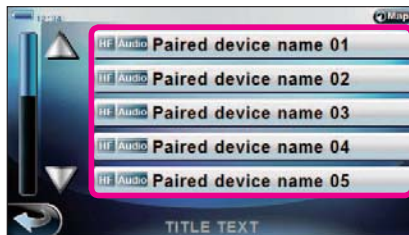


#### Select [Paired list].

Display a list of Bluetooth devices starting from the one with latest connection history.

<TB1400>

2



#### Select the button of the Bluetooth device to display the information.

Use [△] and [▽] to scroll the list.

<TB1410>



The device information screen appears and detailed device information is displayed.

<TB1411>

Complete

### note

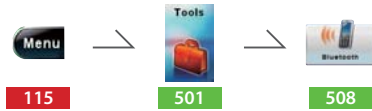
- In **2**, [HF] is displayed for Bluetooth devices that support profile HFS, HSP, or PBAP and [Audio] is displayed for devices that support profile A2DP or AVRCP.
- On the Device information screen in **2**, you can select [Hands free] or [Audio] to connect. However, if a passkey is set for the selected Bluetooth device, the passkey input screen appears. Enter the correct passkey and select [OK] to connect.

## 518 Make call from phonebook

Making a phone call from a cell phone using the downloaded phonebook.

### Preparation

Have the Bluetooth menu displayed.



### Operation



Select [Hands Free].

<TB1000>



Select the button of the party to call.

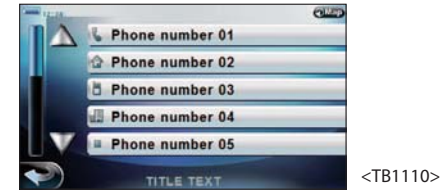
Use [△] and [▽] to scroll the list.  
The current map screen is displayed once you are connected.

<TB1100>

Complete

### note

- Phonebook is downloaded automatically if have Phonebook download mode turned on ( 514 ).  
If Phonebook download mode is turned off or if the cell phone does not support automatic phonebook download, select [DL P-BOOK] to download the cell phone's phonebook.
- If there are more than one phone number listed for the party selected in 2, a screen to select a phone number appears.



Select the button of the phone number to dial.

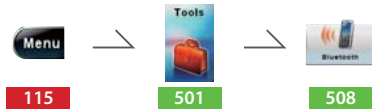
- Select the [END] on the Dial pad screen to hang up.
- You can adjust the volume during conversation. 521

## 519 Make a call from call history

Making a call from incoming or outgoing call history.

### Preparation

Have the Bluetooth menu displayed.



### Operation



Select [Hands Free].

<TB1000>



Select [LOG.].

<TB1100>



Select the button of the party to call.

Use [Δ] and [▽] to scroll the list.  
The current map screen is displayed once you are connected.

<TB1120>

Complete

### note

- The following symbols are displayed on the history list.
  - : Outgoing call
  - : Incoming call (answered)
  - : Incoming call (not answered)
- Select the on the Dial pad screen to hang up.
- You can adjust the volume during conversation. [521](#)

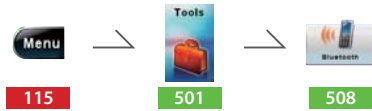


## 520 Make a call by dialing

Making a call by dialing.

### Preparation

Have the Bluetooth menu displayed.



### Operation



Select [Hands Free].

<TB1000>



Select [DIAL PAD].

<TB1120>



Select the button of the phone number to call.

<TB1130>

## 4

Select .

The current map screen appears once you are connected.

### Complete

### note

- If you select [BS] in the Dial Pad screen in **3**, the last entered number is deleted.
- Select the on the Dial pad screen in **3** to hang up.
- You can adjust the volume during conversation by selecting [▲] or [▼] on the Dial pad screen in **3**. See [521](#) to adjust the volume while actually listening.

Next Page

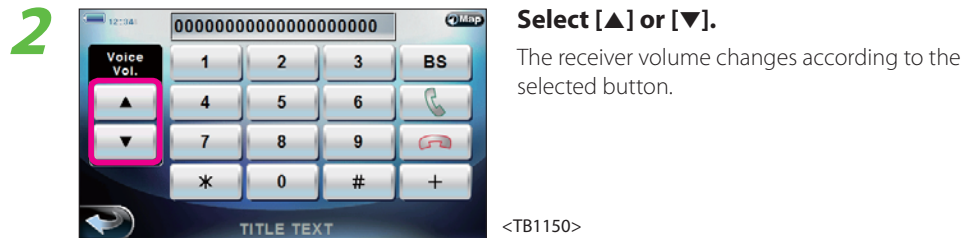
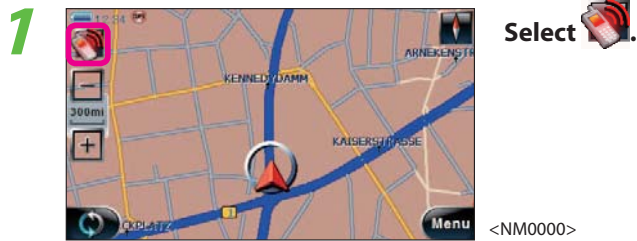
## 521 Adjust receiver volume during conversation

Make a call from incoming or outgoing call history.

### Preparation

Perform during conversation.

### Operation



Complete

### note

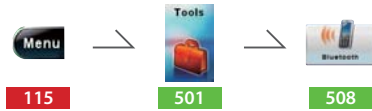
- You can also set the receiver volume before starting conversation (while dialing for example).  [520](#)

## 522 Display SMS menu

Displaying the SMS menu to handle SMS messages

### ≡ Preparation

Have the Bluetooth menu displayed.



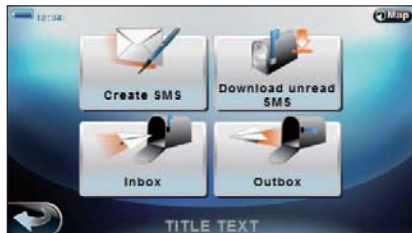
### ≡ Operation

1



Select [SMS].

<TB1000>

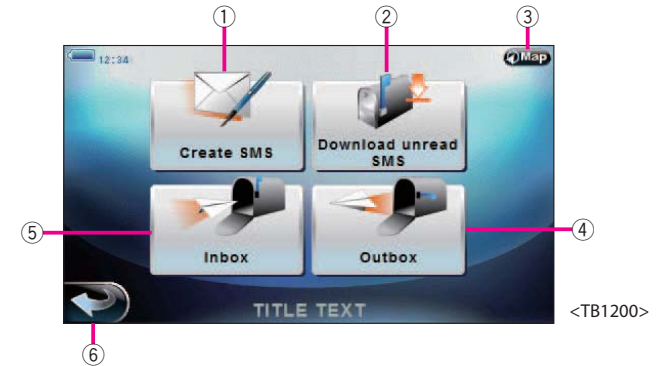


The SMS menu appears.

<TB1200>

Complete

### SMS menu



- |   |   |
|---|---|
| <p>① [Create SMS]<br/>Select to create a new message.<br/>ID: 523</p> <p>② [Download unread SMS]<br/>Select to download unread messages.<br/>ID: 524</p> <p>③ [Map]<br/>Select to return to the current map screen.</p> | <p>④ [Outbox]<br/>Select to display a list of messages in the out box. ID: 526</p> <p>⑤ [Inbox]<br/>Select to display a list of messages in the in box. ID: 525</p> <p>⑥ [Back Arrow]<br/>Select to return to the Bluetooth menu.</p> |
|---|---|

## 523 Send short message

Creating and sending SMS message.

### Preparation

Have the SMS menu displayed.



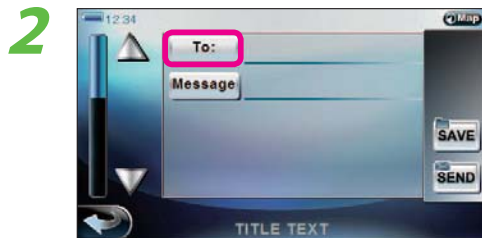
### Operation



**1 Select [Create SMS].**

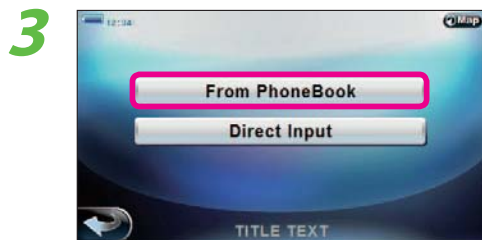
The Create SMS screen appears.

<TB1200>



**2 Select [To:].**

<TB1210\_1>

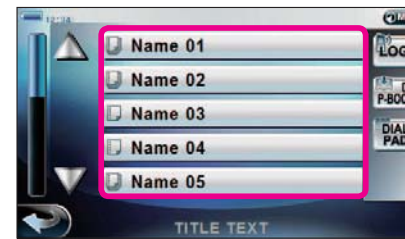


**3 Select [From PhoneBook].**

<TB1211>

Next Page

**4**

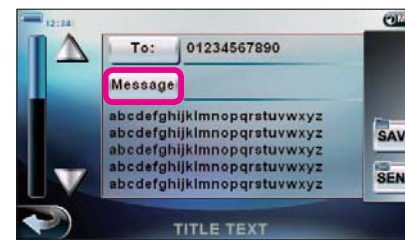


**Select the button of the receiver.**

Use [Δ] and [▽] to scroll the list.  
Returns you to the Create SMS screen.

<TB1120>

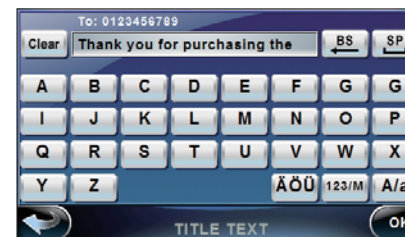
**5**



**Select [Message].**

<TB1210\_2>

**6**



**Enter the message.**

<TB1212a>

**7**

**Select [OK].**

Returns you to the Create SMS screen.

**8**



**Select [SEND].**

The message is sent and a confirmation message is displayed.

<TB1210\_3>

Next Page

9

**Select [OK].**

Returns you to the SMS menu.

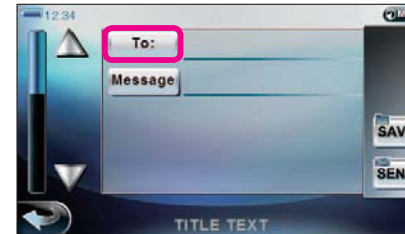
Complete

**note**

- You can also directly enter the receiver.
- Select [SAVE] in **8** to save the created message without sending.
- If there is a saved message, a confirmation message appears before the Create SMS screen in **2**. Select [YES] to edit the saved message and then continue from **2**. Select [NO] to delete the saved message and then continue from **2** to create a new message.

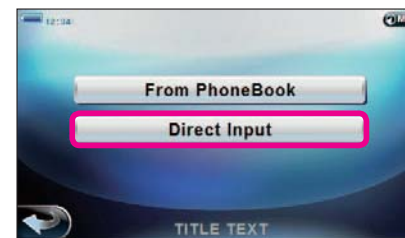
**Directly specifying the receiver**

2

**Select [To:].**

&lt;TB1210\_1&gt;

3

**Select [Direct Input].**

&lt;TB1211&gt;

4

**Enter the phone number with the ten keys and select [OK].**

Returns you to the Create SMS screen.

&lt;TB1213&gt;

Complete

## 524 Manually download unread short messages

Manually downloading unread messages.

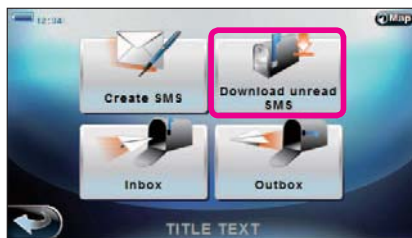
### Preparation

Have the SMS menu displayed.



### Operation

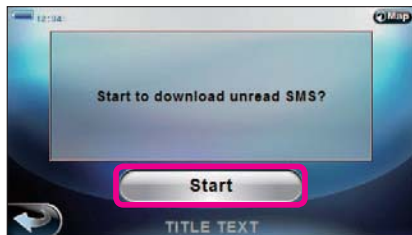
1



Select [Download Unread SMS].

<TB1200>

2



Select [Start].

Starts downloading of unread messages.  
Automatically returns you to the SMS menu  
when download completes.

<TB1240>

Complete

### note

- If automatic message download is set in [513](#), the above receive operation is unnecessary.
- The downloaded messages are stored in Inbox. [525](#)

## 525 Read received message

Reading the received SMS message.

### ≡ note

- Select [REPLY] in **2** to reply to the received message. Or select [FORWARD] to forward the received message. See **523** for the remaining operation.

### ≡ Preparation

Have the SMS menu displayed.



### ≡ Operation

1

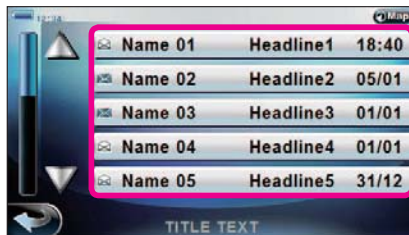


**Select [Inbox].**

A list of received messages appear.

<TB1200>

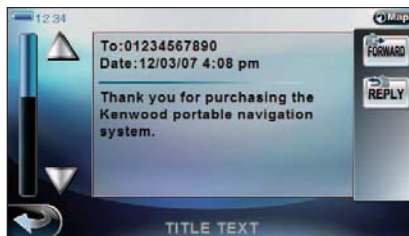
2



**Select the message to display.**

Use [△] and [▽] to scroll the list.

<TB1220>



A selected message is displayed.

<TB1221>

Complete

## 526 Read sent message

Reading the sent SMS message.

### ≡ note

- Select [FORWARD] in **2** to forward the sent message. See **523** for the remaining operation.

### ≡ Preparation

Have the SMS menu displayed.



### ≡ Operation

1

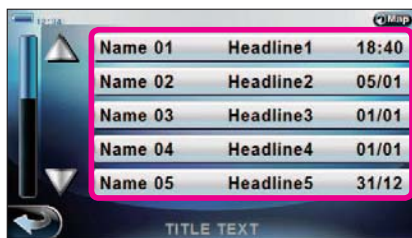


#### Select [Outbox].

A list of sent messages is displayed.

<TB1200>

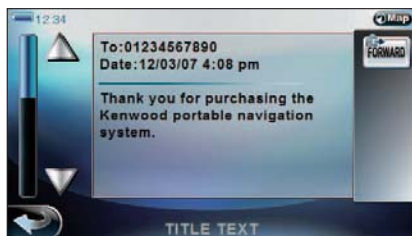
2



#### Select the message to display.

Use [△] and [▽] to scroll the list.

<TB1230>



A selected message is displayed.

<TB1231>

Complete



## 527 Receive buddy message

When you receive a buddy message, the message is displayed on the screen.

### ≡ Operation

1



Select [Accept].

2



Check the location and then select



Returns you to the original screen.

<NM6000>

Complete

### ≡ note

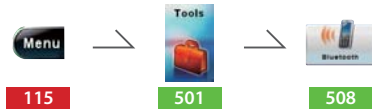
- Select [Accept] in 1 to send your location information with an Acceptance buddy message.  
Or select [Refuse] to delete the received buddy message and return to the original screen.

## 528 Send buddy message

Sending your location information with Buddy message.

### Preparation

Have the Bluetooth menu displayed.



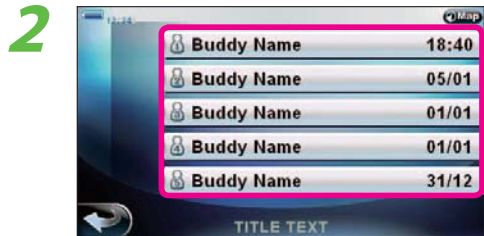
### Operation



#### 1 Select [Buddy].

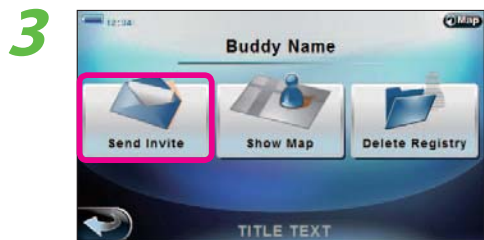
Displays the Buddy List screen.

<TB1000>



#### 2 Select the button of the receiver.

<TB1300>



#### 3 Select [Send Invite].

Transmission starts.  
When transmission completes, a confirmation message is displayed.

<TB1310>

## 4

### Select [OK].

Returns you to the Buddy List screen.

### Complete

### note

- Last five Buddy messages received are displayed on the Buddy list screen in **2**.
- When there is no telephone number information for the receiver selected in **2**, the screen specifying the receiver appears. Specify the receiver in same method in **523**.
- See **529** for deleting Buddy message listed on Buddy list screen in **2**.
- The position information received by Buddy message can be displayed on the map (Scrollable map screen) when [Show Map] is selected in **3**.  
The position on the map can be set as a destination or registered in Favorites.
- When the Buddy message you sent is accepted by receiver, the confirming message is displayed. Select [OK] to display receiver's position information on the Buddy map. Or select [Cancel] not to display.

Next Page

## 529 Delete buddy message

Deleting unnecessary Buddy messages.

# 4

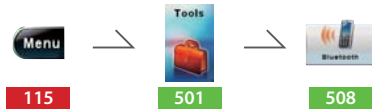
**Select [OK].**

Returns you to the Buddy List screen.

Complete

### Preparation

Have the Bluetooth menu displayed.



### Operation

# 1

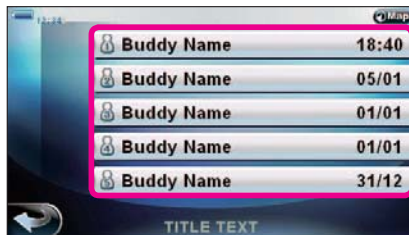


**Select [Buddy].**

Displays the Buddy List screen.

<TB1000>

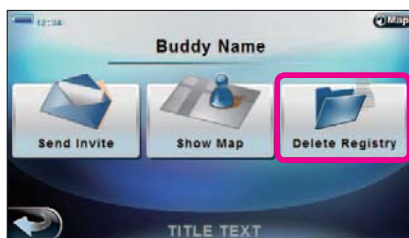
# 2



**Select the button of the message to delete.**

<TB1300>

# 3



**Select [Delete Registry].**

A confirmation message is displayed.

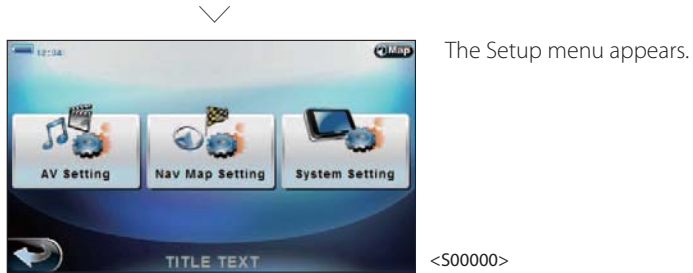
<TB1310>

Next Page

## 601 Display Setup menu

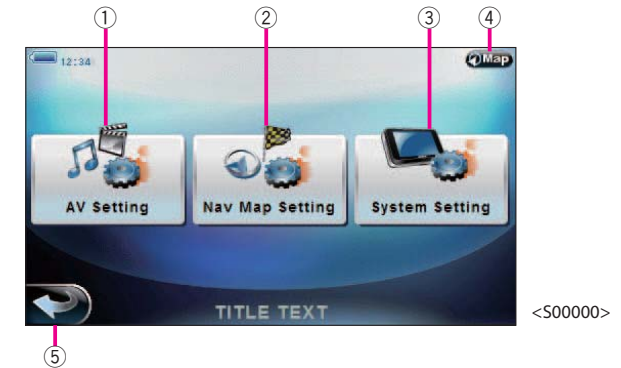
Displaying the Setup menu from the top menu to set various options.









### Operation



Complete

### Setup menu



- ① **[AV Setting]**  
Select to set various AV function related settings.  **613**
- ② **[Nav Map Setting]**  
Select to set various map display related settings.  **612**
- ③ **[System Setting]**  
Select to set various system related settings.  **602**
- ④  **Map**  
Select to return to the top menu.  **115**
- ⑤  **Map**  
Select to return to the current map screen.  **107**,  **112**

## 602 Display System setup menu

Displaying the System setup menu from the Setup menu to set system related options.

### Preparation

Have the Setup menu displayed.



### Operation

1



Select [System Setting].

<S00000>

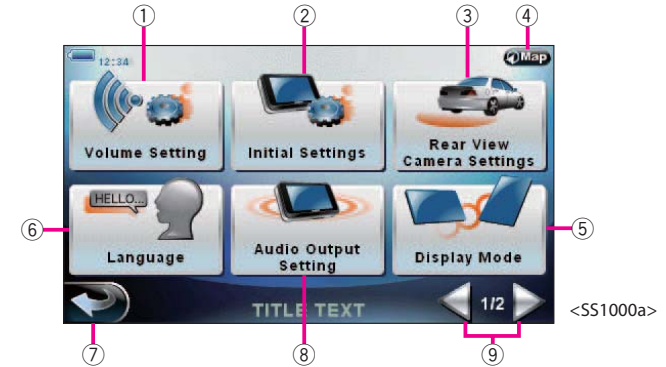




The System setup menu appears.

<SS1000a>

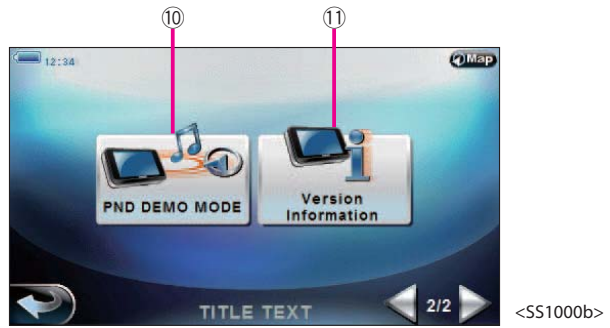
Complete

### System setup menu (1/2)



- ① [Volume Setting]  
Select to set the route guide and beep volume. ⓘ 603
- ② [Initial Settings]  
Select to set various functions of this unit. ⓘ 604, 605
- ③ [Rear View Camera Settings]  
Select to set the rear view camera operation and video. ⓘ 606
- ④  Map  
Select to return to the current map screen. ⓘ 107, 112
- ⑤ [Display Mode (Portrait/Landscape)]  
Select to set the display mode when the device is rotated. ⓘ 609
- ⑥ [Language]  
Select to set the voice guidance options and the menu language. ⓘ 607
- ⑦   
Select to return to the Setup menu. ⓘ 601
- ⑧ [Audio Output Setting]  
Select to set the voice output device. ⓘ 608
- ⑨ [◀|▶]  
Select to turn the System setup menu page.

## System setup menu (2/2)



## ⑩ [PND DEMO MODE]

Select to turn on/off demo mode.

## ⑪ [Version Information]

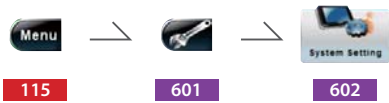
Select to display the software and map version. ⓘ 611

## 603 Set volume

Setting the volume.

### Preparation

Have the Setup menu displayed.

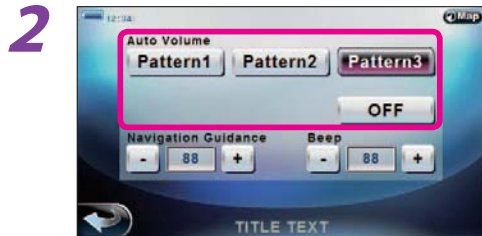


### Operation



**1** Select [Volume Setting].

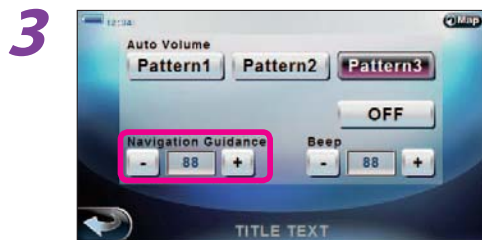
<SS1000a>



**2** Select the button of the Auto Volume pattern.

Select [OFF] to cancel Auto Volume.

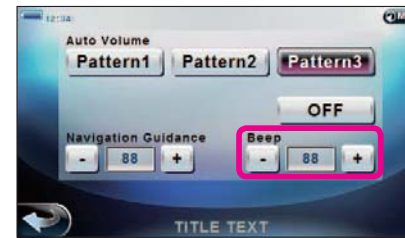
<SS1120\_1>



**3** Select [+] or [-] of the "Navigation Guidance" to adjust the voice guidance volume.

<SS1120\_2>

**4**



Select [+] or [-] to adjust the beep volume.

<SS1120\_3>

**5**

Select .

Select to return to the System setup menu.

Complete

### note

- If Auto Volume is not set to [OFF], the volume increases automatically when you exceed the predefined speed for each pattern. Automatic volume adjustment is canceled when your speed drops below the predefined speed.
- Auto Volume applies to all sounds output from the built-in speaker.
- **2** to **4** may be set in any order.

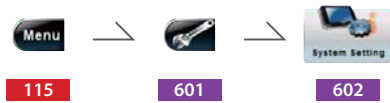
Next Page

## 604 Set various functions

Setting various options of the this unit.

### Preparation

Have the Setup menu displayed.



### Operation

1



Select [Initial Setting].

<SS1000a>

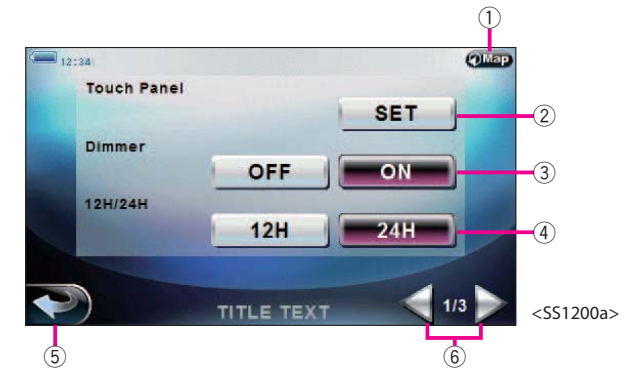


The Initial setting screen appears.

<SS1200a>

Complete

### Initial Setting screen (1/3)



- ① **Map**  
Select to return to the current map screen. 107, 112
- ② **Touch Panel Adjustment**  
Select to adjust the touch position. 605
- ③ **Dimmer setting**  
Select to set the built-in brightness sensor.  
[OFF] : Turns the sensor off.  
[ON] : Turns the sensor on.
- ④ **12H/24H setting**  
Select to toggle between 12 hour clock and 24 hour clock.
- ⑤   
Select to return to the Top menu. 115
- ⑥ **[<] [>]**  
Select to turn the Initial Setting screen page.

### note

- If you turn off the dimmer, you cannot switch automatically between daytime screen and nighttime screen ( 612).
- Even when the this unit enters Standby mode, you can continue using from the previous state when you turn the power back on.



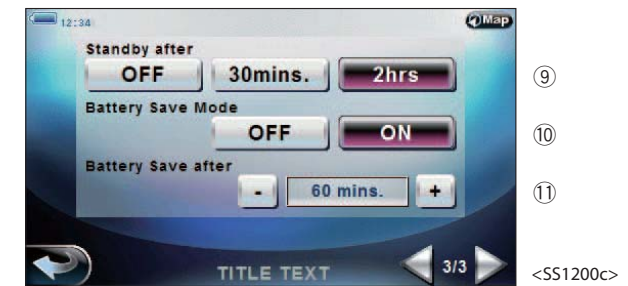
## Initial Setting screen (2/3)



- ⑦ **Navigation Guidance setting**  
Select to set the navigation guidance interrupt output.

- ⑧ **Remote Control setting**  
Select to enable/disable remote control.

## Initial Setting screen (3/3)



- ⑨ **Standby after setting**  
Select to select the time to enter Standby mode.  
[OFF] : Standby mode is not entered.  
[30 minutes] [2 hours] : Standby mode is entered when the selected time has elapsed.
- ⑩ **Battery Save Mode setting**  
Select to enable/disable Battery save mode.
- ⑪ **Battery Save after setting**  
Select to set the time to enter Battery Save mode when it is enabled in ⑩.

### ≡ note

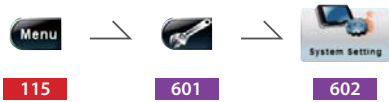
- The screen goes dark in Battery save mode.
- Even if the Battery save mode is on, Battery save mode is not entered when you are watching digital TV or using Bluetooth.

## 605 Adjust touch position

Matching the touch position with recognition position.

### Preparation

Have the Setup menu displayed.



### Operation



Select [Initial Setting].

<SS1000a>



Select [SET] of "Touch Panel".

<SS1200a>



Follow the displayed instruction and touch  at top right.

<SS1210>

## 4

Follow the displayed instruction and touch  at bottom right.

Touch position and recognition position are adjusted and you are returned to the System setup menu.

Complete

### note

- You can retry from **2** if you select [Reset] in **3**, or from **3** if you select [Reset] in **4**.

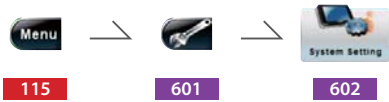
Next Page

## 606 Set rear view camera


Setting the rear view camera video display method.

### Preparation

Have the Setup menu displayed.



### Operation

**1**  **Select [Rear View Camera Settings].**

<SS1000a>

**2**  **Set each item.**

<SS1300>

**3**  **Select .**

Returns you to the System setup menu.

Complete

The following items can be set:

Item	Description
Rearview Image Interrupt	[ON] Automatically switches to rear view camera video when you change gear to reverse.
	[OFF] Does not switch automatically.
Mirror Setting	[ON] Flips the video horizontally.
	[OFF] Does not flip horizontally.

### note

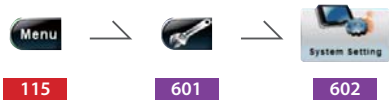
- Select [ON] of "Manual" in 2 to switch to rear view camera video. You can see the rear view video by this method even if "Rearview Image Interrupt" is set to [OFF].
- When the rear view camera video is displayed, touch the screen to return to the original screen even when the gear is in reverse.

## 607 Set language

Setting the voice guidance and menu language.

### Preparation

Have the Setup menu displayed.



### Operation



Select [Language].

<SS1000a>



Select the button of the language to use for voice guidance.

If the desired language is not displayed, scroll with [▽] or [△].

<SS1400a>

3 Select [▷].

Next Page

4



Select the button of the language to use for menu display.

If the desired language is not displayed, scroll with [▽] or [△].

<SS1400b>

5

Select [↩].

Returns you to the System setup menu.

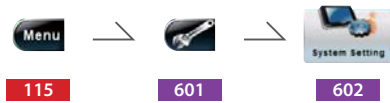
Complete

## 608 Set voice volume

Setting the voice output device.

### Preparation

Have the Setup menu displayed.



### Operation



1 Select [Audio Output Setting].

<SS1000a>



2 Select the button of the output device.

<SS1500>

3 Select .

Returns you to the System setup menu.

Complete

The following items can be set:

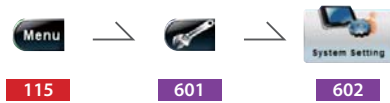
Item	Description
[FMT]	Outputs to FM transmitter.
[BT]	Outputs to Bluetooth device.
[Internal]	Outputs to built-in speaker.

## 609 Set landscape/portrait mode

Setting the display mode when the this unit is rotated.

### ≡ Preparation

Have the Setup menu displayed.



### ≡ Operation



1 Select [Display Mode].

<SS1000a>



2 Select the button of the display mode to set.

<SS1600>

3 Select .

Returns you to the System setup menu.

Complete

The following items can be set:

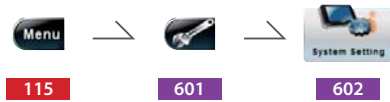
Item	Description
[Portrait]	Fixes the screen to landscape or portrait mode and does not change when the this unit is rotated.
[Landscape]	
[AUTO]	Automatically rotates the screen according to the orientation of the this unit.

## 610 Set demo mode

Setting the demo mode introducing the functions of the this unit.

### Preparation

Have the Setup menu displayed.



### Operation

**1**  **Select [PND DEMO MODE].**

<SS1000b>

**2**  **Select [ON].**

A confirmation message is displayed.

<SS1800>

**3** **Select [YES].**

The screen changes to demo screen.

Complete

### note

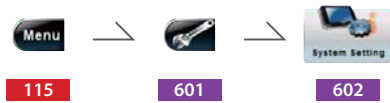
- The demo mode screen appears as soon as you turn on the demo mode.
- When you touch the screen in demo mode, demo mode is canceled and you are returned to the screen in **2**.
- When demo mode is ON, the screen automatically switches to demo mode when no operation is performed for five minutes in normal mode.
- Even when demo mode is ON, demo mode is not entered when you are watching digital TV or using Bluetooth.
- To end demo mode, select [OFF] in **2**.

## 611 Display version information

Displaying the this unit software and map version information.

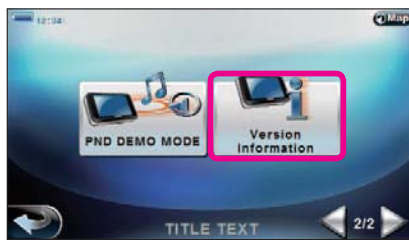
### ≡ Preparation

Have the Setup menu displayed.



### ≡ Operation

1

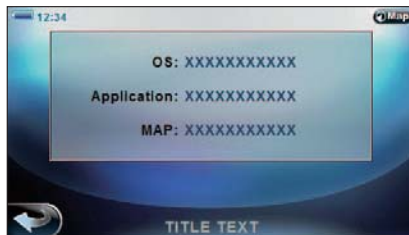


**Select [Version Information].**

The this unit software and map version information is displayed.

<SS1000>

2



**Select  when finished viewing.**

Returns you to the System setup menu.

<SS1700>

Complete



## 612 Set the map display method

Setting the map display method.

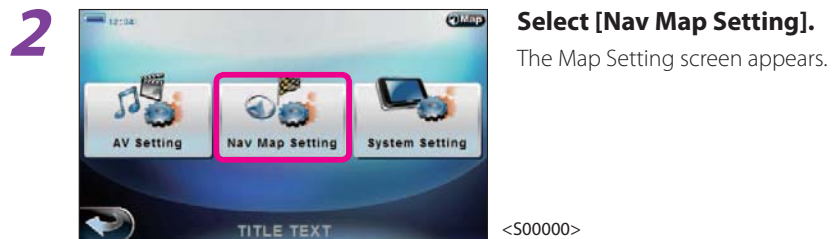
### Preparation

Have the Top menu displayed.

Menu


115

### Operation




Complete

The following items can be set:

Item	Description
Map Color	Sets the map display color.
	[AUTO] Automatically switches according to Dimmer or Illumination setting.
	[Day] Fixes to daytime screen.
	[Night] Fixes to night time screen.
	[Dimmer] Automatically switches between daytime screen and night time screen according to brightness.
[Illumination] Switches between daytime screen and night time screen according to the illumination of the small light.	
Map View	Switches between 2D display and 3D display.
	[2D] Switches to 2D display.
	[3D] Switches to 3D display.
Map Orientation	Switches the map orientation.
	[N-Up] Displays as North up.
	[H-Up] Displays as heading up.
POI Icon	Sets the icon display of the location in Favorites.
	[ON] Displays as icon.
	[OFF] Turns display off.
Display speed limits	Displays the speed limit of the street you are traveling.
	[ON] Displays the speed limit during route guide.
	[OFF] Turns display off.
Speed Limit warnings (Beep)	Sets the alert display/sound when you exceed the speed limit.
	[ON] Turns alert on.
	[OFF] Turns alert off.
Units	Switches the unit (km/mile) of distance.
	[meter] Displays in km and m.
	[Mile] Displays in mile and yard.
Home Address	Adds home.  <a href="#">222</a>
Map DB	Selects the map database to be used.

### note

- There are four Map Setting screens in **3**. Select the desired screen with [◀] and [▶].
- Have the Dimmer ON when selecting [Dimmer] of "Map Color".  [604](#)
- You can select [Illumination] of "Map Color" when using the optional B cradle.
- Select [Select] of "Map DB" to display the database selection screen. Select a database and select [YES] on the confirmation message to switch the database.
- When the map is displayed in 3D display, the map orientation is fixed to heading up.
- These settings are enabled when you select the button.

## 613 Display AV setup menu

Displaying the AV setup menu to set AV options from the setup menu.

### Preparation

Have the Setup menu displayed.



### Operation

1



Select [AV Setting].

<S0000>

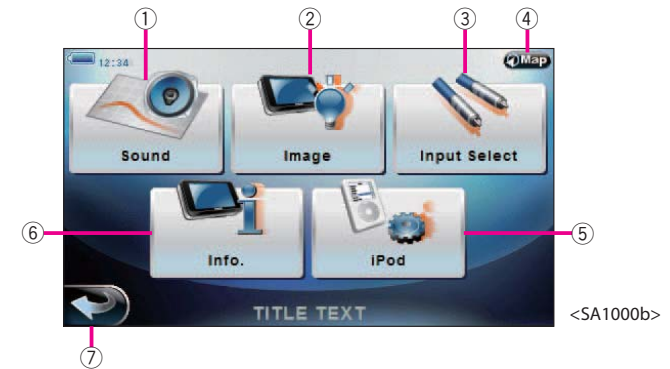


The AV setup menu appears.

<SA1000b>

Complete

### AV setup menu



- ① [Sound]  
Select to set the equalizer. 614
- ② [Image]  
Select to set the image quality. 615
- ③ [Input Select]  
Select to set the AV input. 616
- ④ **Map**  
Select to return to the current map screen.  
 107, 112
- ⑤ [iPod]  
Select to set iPod. 618
- ⑥ [Info.]  
Select to display the registered device information. 617
- ⑦   
Select to return to the AV setup menu.

### note

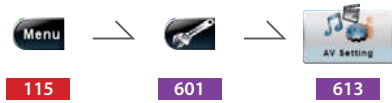
- You cannot select the button for unconnected source device.

## 614 Set equalizer

Setting the equalizer.

### Preparation

Have the Setup menu displayed.



### Operation



Select [Sound].

<SA1000b>



Select the button of the desired sound quality.

<SA1120>



Select .

Returns you to the AV setup menu.

Complete

The following items can be set:

Item	Description
[Natural]	Produces natural flat sound.
[Rock]	Produces speedy sound with strong attacks.
[Pops]	Produces rhythmic sound focused on mid range.
[Jazz]	Produces sound with clear wood base tone scale and vocal sound quality.
[Easy]	Produces deep pleasant sound focused on the bass range.

## 615 Set image quality

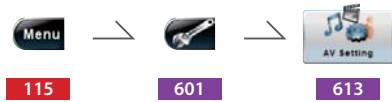
Setting the image quality of video source.

The following items can be set:

Item	Description
Brightness	Adjusts the brightness.

### Preparation

Have the Setup menu displayed.



### Operation

**1**  **Select [Image].**

<SA1000b>

**2**  **Select [Δ] or [▽] for each item.**

<SA1200>

**3** **Select** .

Returns you to the AV setup menu.

Complete

## 616 Select video source device

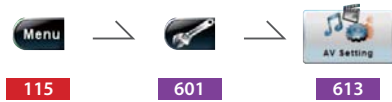
Selecting the connected video source device.

The following items can be set:

Item	Description
[AV in]	Select when a video device other than a DVD player is connected.
[DVD Player]	Select when a DVD player is connected.

### Preparation

Have the Setup menu displayed.



### Operation



Select [Input Select].

<SA1000b>



Select the button of the connected video source device.

<SA1300>



Select .

Returns you to the AV setup menu.

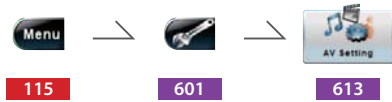
Complete

## 617 Display device information

Displaying device information such as DivX registration code.

### Preparation

Have the Setup menu displayed.

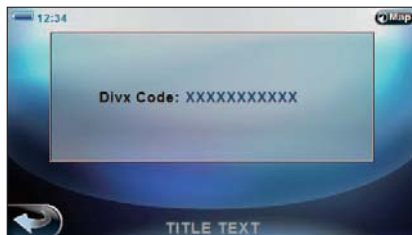


### Operation



Select [Info.].

<SA1000b>



Divx registration code is displayed.

<SA1400>

## 2

Select .

Returns you to the AV setup menu.

Complete

### note

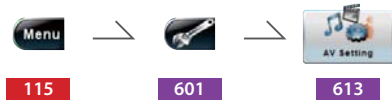
- When buying DRM enabled contents, check the Registration Code. Registration Code changes each time a file with the displayed Registration Code is played to protect against copying.
- When downloading a DivX VOD file controlled by DRM, register the code appeared on the screen such as the one above. Otherwise the file may not be able to play with this unit. Remaining number of viewing is displayed when playing a DivX VOD file with the viewing restriction. When the remaining number of viewing reached 0, a warning message appears and the file cannot be played.

## 618 Set iPod

Select to set iPod.

### Preparation

Have the Setup menu displayed.



### Operation



Select [iPod].

<SA1000b>



Select the button of each item.

<SA1500>



Select .

Returns you to the AV setup menu.

Complete

The following items can be set:

Item	Description
[Wide Screen]	Set whether to display in wide mode.
[Video]	Set the video signal type.
[Audio]	Set the playback speed of audiobook.

## ■ Accuracy of the Vehicle's Position

### Area in which GPS signals cannot be received

Because the radiowave signals from the GPS satellites travel primarily by line of sight, the navigation system might not be able to receive the signals in the areas described below. (If the GPS mark does not appear on the map screen, it means that the GPS radiowave signals are not being properly received.)

- (1) Inside a tunnel
  - (2) Inside a building
  - (3) Under a three-dimensional road such as a high-speed road
  - (4) On boulevards lined with trees
  - (5) Between buildings
  - (6) Under a cliff or in a cave
- If the GPS antenna or its surroundings are blocked by an obstacle (including cargo), it might not be possible for the system to receive the GPS radiowave signals.
  - If multiple paths are created due to the reflection from the buildings, a large measurement error could occur, causing the vehicle's mark to deviate from its actual position.

### Deviation of the vehicle's position mark

The vehicle's position mark could deviate from its actual position when the vehicle is being driven under the conditions listed below or due to conditions of the GPS satellites. If the vehicle travels on a road whose actual shape differs from that in the map data, the vehicle's mark could deviate from the actual position. The correct position will eventually appear on the screen through the correction function. If the screen does not show the correct position for a long time, correct the current position or make an automatic correction.

- (1) The vehicle's mark could appear on a parallel road.
- (2) When the road splits into a narrow Y, the vehicle's mark could appear on the other fork of the Y.
- (3) When the vehicle makes a right or left turn, the vehicle's mark could appear on one street ahead or behind.
- (4) If the vehicle is transported by a means other than the vehicle's own power, such as on a ferry boat, the vehicle's mark will remain in

the position it was before the transport until the system can calculate the position through the GPS.

- (5) When the vehicle is driven on a steep incline, the vehicle's mark could deviate from its actual position.
- (6) If there are continuous gradual curves in the same direction, the vehicle's mark could deviate from its actual position.
- (7) If the vehicle is driven in a zigzag pattern, such as through frequent lane changes, the vehicle's mark could deviate from its actual position.
- (8) If the vehicle is placed on a turntable, such as in a parking area, and turned with the ignition OFF, the orientation of the vehicle's mark could deviate from its actual orientation. The vehicle's mark could also deviate even after the vehicle has exited the parking area.

## ■ How the Vehicle's Position is detected

### Detecting the vehicle's position through the GPS

GPS stands for the "Global Positioning System"; it is a system for detecting an object's position through the use of the satellites of the Defense Department of the United States.

Radiowave signals from three or more satellites are received by the navigation system, which utilizes the principle of triangulation to detect the position in which the radiowave signals are received.

When the navigation unit is receiving the GPS radiowave signals, a "GPS" mark will appear on the map screen.

### Making corrections to the detection of the vehicle's position through map matching

- In map matching, the position information resulting from the detection of the vehicle's position and the locus of the travel of the vehicle up to the present are constantly compared to the shapes of the roads on the map in order to correct the vehicle's position mark to the most appropriate road.
- If the vehicle is driven on a road whose actual shape differs from its map data, the vehicle's position mark on the map could deviate from its actual position.

Occasionally, the correction of the vehicle's position mark to the actual road on the map can be observed particularly after the vehicle has turned at an intersection or has come out of a parking area.

## ■ Accuracy of the Route Guidance

The conditions listed below do not indicate a malfunction.

- (1) The guidance might prompt the driver to drive straight even though the vehicle is being driven on a straight road.
- (2) The directional guidance could display multiple place names.
- (3) If the vehicle makes a turn at an intersection before the guided route, the wrong type of voice guidance could be output.
- (4) The guidance might not be output while the vehicle is making a turn at an intersection.
- (5) The system might not be able to search for the proper route.
- (6) If there is no road to the destination or if there is only a narrow road, the route might only indicate up to an area that is short of the destination.
- (7) The repeat search time could be long while the vehicle is being driven at high speeds.
- (8) While the system is searching again for the route, the route indication might not appear in time for the next right or left turn.
- (9) The route might not change even if a search is made again.
- (10) The system might guide the driver to make a U-turn.
- (11) The system might guide the driver on a road that cannot actually be travelled (such as on a road in which entry is prohibited).
- (12) The system might not output guidance even if the vehicle is driven in reverse on the guided route.
- (13) The system might not use a local ferry boat even if it the ferry priority is selected.
- (14) If the intersection you're being guided to is near the end of the route search, the system might not be able to provide guidance.
- (15) The route might not go on a toll road even the toll-road priority is selected. Similarly, a route that uses a toll road could appear on the screen even if the toll-road priority is not selected. (The driver may or may not be able to select the "toll-road priority" if both toll and free

roads are available.)

## ■ Caution on condensation

Condensation (of dew) may occur inside the unit when there is a great difference in temperature between this unit and the outside. This unit may not function properly if condensation occurs. In this case, leave the unit for a few hours and restart the operation after the condensation has dried up.

Be specially cautious against condensation in the following circumstances:

When this unit is carried from one place to another across a large difference in temperature, when the humidity in the room where this unit is installed increases, etc.

Maintenance of the unit When the front panel or case becomes dirty, wipe with a soft, dry cloth. Do not use thinner, benzine, alcohol, etc. for these agents may cause discoloration.

In regard to contact cleaner Do not use contact cleaners because it could cause a malfunction. Be specially careful not to use contact cleaners containing oil, for they may deform the plastic component.



## 702 Remote Controller

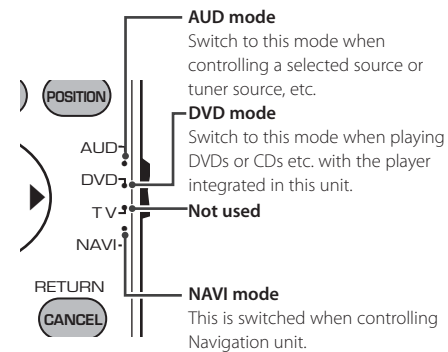
This unit can be operated using the optional Remote Controller KNA-RCDV330.



- Put the Remote Controller in a place where it will not move during braking or other operations. A dangerous situation could result, if the Remote Controller falls down and gets wedged under the pedals while driving.
- Do not place the battery near an open flame or heat source. This may cause the battery to explode.
- Do not recharge, short, break up or heat the battery or place it in an open fire. Such actions may cause the battery to leak fluid. If spilled fluid comes in contact with your eyes or on clothing, immediately rinse with water and consult a physician.
- Place the battery out of reach of children. In the unlikely event that a child swallows the battery, immediately consult a physician.

### Remote Controller mode switch

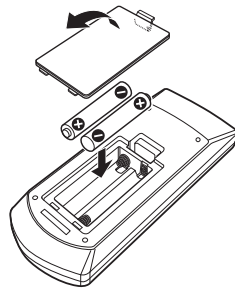
The functions operated from the remote controller differ depending on the position of the mode switch.



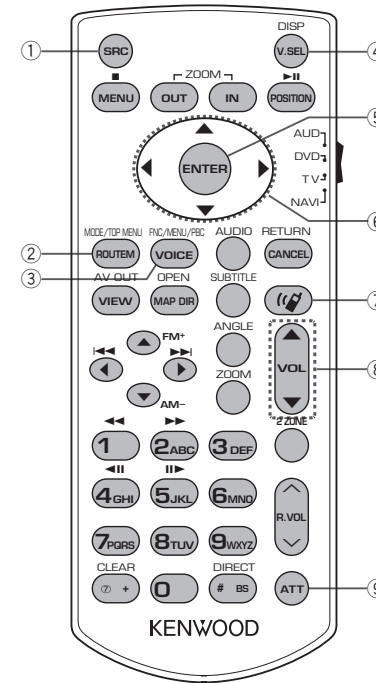
- The position of the remote control mode switch is indicated in the title of each mode, e.g., "(AUD mode)".
- When controlling a player that is not integrated in the unit, select "AUD" mode.

### Battery installation

This unit can be operated using the optional Remote Controller KNA-RCDV330.

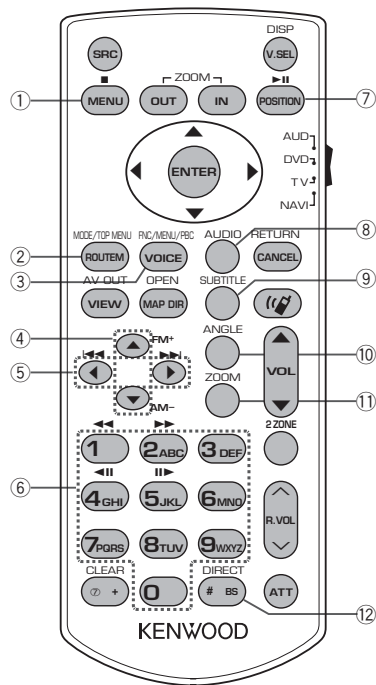


- Put the Remote Controller in a place where it will not move during braking or other operations. A dangerous situation could result, if the Remote Controller falls down and gets wedged under the pedals while driving.
- Do not place the battery near an open flame or heat source. This may cause the battery to explode.
- Do not recharge, short, break up or heat the battery or place it in an open fire. Such actions may cause the battery to leak fluid. If spilled fluid comes in contact with your eyes or on clothing, immediately rinse with water and consult a physician.
- Place the battery out of reach of children. In the unlikely event that a child swallows the battery, immediately consult a physician.



### Common operations (AUD mode)

- Source switching**  
Switches to the source to be played.
- MODE**  
Switches the screen mode.  
Screen mode changes each time you press this key.
- Function**  
Switches the function screen.
- V.SEL**  
Switches to the navigation screen.
- ENTER**  
Enters options.
- Cursor key**  
Moves the cursor when displaying menu.
- Hands-free communication**  
Enters the dialing method selection mode.  
When a call comes in, it answers the call.
- Volume control**  
Adjusts the volume.
- Volume attenuator**  
Press the key once to lower the volume.  
Press again to restore the previous volume.



## DVD/VCD/CD/Audio files (DVD mode)

- ① **Stop**  
Memorizes the last point where the disc stopped. When pressed again, the last point is deleted.
- ② **DVD Top Menu**  
Returns to the DVD top menu.
- ③ **DVD Menu**  
Displays the DVD menu.  
Turns the playback control on or off while playing VCD.
- ④ **Folder search**  
**Selects the folder to be played.**
- ⑤ **Track search and file search**  
Selects the track or file to be played.
- ⑥ **Numeric keypad**
  - Specify the number to search in direct search.
  - Press **1** **2ABC** to fast forward/backward. Switches the fast forward/backward speed each time you press this key.
  - Press **4GH** **5JKL** to slow forward/backward. Switches the slow playback speed each time you press this key.
- ⑦ **Play/Pause**  
Pauses the track.  
Press again to resume playing.
- ⑧ **AUDIO**  
Switch Voice Language  
Switches the voice language each time you press this key.
- ⑨ **SUBTITLE**  
Switches the subtitle language.
- ⑩ **Picture Angle**  
Switches the picture angle each time you press this key.

- ⑪ **ZOOM**  
Switches the zoom ratio each time you press this key.
- ⑫ **Direct search**  
Pressing this button switches the features that can be searched directly.

### DVD

Title number
Chapter number
Play time
Item number*
Cancel

\* You may not be able to use this function with some discs or scenes.

### CD

Track number
Play time
Cancel

### Audio files

Folder number
File number
Cancel

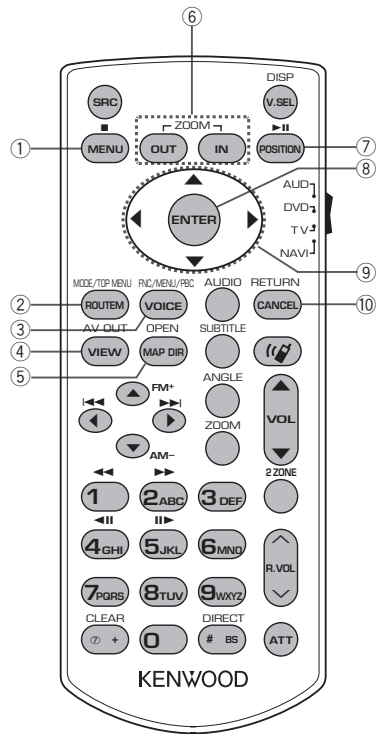
### VCD 1.X, VCD 2.X (PBC OFF)

Track number
Cancel

### VCD 2.X (PBC ON)

Scene number
Number
Cancel

Once you have switched to the direct search feature, specify the search number from the numeric keypad, and then press [ENTER] key.



### NAVI (NAVI mode)

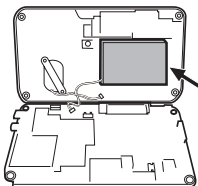
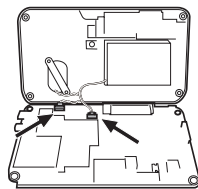
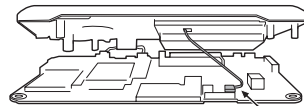
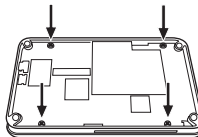
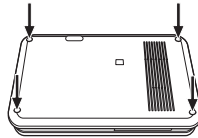
- ① **MENU**  
Displays Top Menu.
- ② **ROUTEM**  
Displays Route Menu.
- ③ **VOICE**  
Plays Voice guidance.
- ④ **VIEW**  
Switches between 2D and 3D map displays.
- ⑤ **MAP DIR**  
Switches between the heading up and north up map displays.
- ⑥ **ZOOM**  
Zooms in or out the map.
- ⑦ **POSITION**  
Displays the current position.
- ⑧ **ENTER**  
Performs the selected function.
- ⑨ **Joystick**  
Scrolls the map, or moves the cursor.
- ⑩ **CANCEL**  
Displays previous screen.

## 703 Removing the Built-in Battery to Dispose

### IMPORTANT

Never attempt to open the unit besides when disposing of it.  
For replacement of the built-in battery, contact your nearest Kenwood service agent.

- 1 Remove four screws.  
At this time, insert the fingernail etc. in the space between the frame and the front panel to release fixed hooks that exist in all surroundings.
- 2 Open half the front panel and remove the flexible cable from the connector on the PCB.
- 3 Remove four screws.  
At this time, insert the fingernail etc. in the space between the frame and the rear panel to release fixed hooks that exist in all surroundings.
- 4 Open the rear panel and remove two connectors on the PCB.
- 5 Open half the PCB and remove the flexible cable from the connector the PCB.
- 6 Open half the PCB and remove two connectors on the PCB.
- 7 Remove the built-in battery from the rear panel.



### note

- Remove the built-in battery after having confirmed that it is completely discharged.
- Once the built-in battery is disconnected, do not attempt to reconnect it to the connector on the circuit board.
- Bring the removed built-in battery to a rechargeable battery recycling business as early as possible.

### Recycling the Built-in Battery

The unit uses a lithium ion rechargeable battery cell as the built-in battery. The lithium ion rechargeable battery is a recyclable resource. When disposing of the unit, take out the built-in battery and bring it to your local recycling business.

### WARNING

- Do not heat excessively the built-in battery, open it, modify it or throw it in fire or water.  
Excessive heat generation, explosion or fire ignition may cause a fire.
- Do not leave the built-in battery near fire or under direct sunlight.  
A fire, explosion or excessive heat generation may result.
- Attach insulating tape on the connectors of the built-in battery.  
A fire or explosion may result if the battery electrodes are short-circuited.
- Do not leave the built-in battery within the reach of children.  
Injury or other accidents may result.
- If the built-in battery fluid leaks and enters your eyes, immediately rinse your eyes with fresh water and call a doctor.  
If the fluid is left in your eyes, an eye injury may result.

**704 Limited warranty and after service**

## 705 Troubleshooting

What might seem to be a malfunction in your unit may just be the result of slight misoperation or miswiring. Before calling service, first check the following table for possible problems.

### Navigation

**? The map does not scroll even when the vehicle is moving.**

- ✓ The screen shown might not be the Current Position screen.
- ✎ Display the Current Position screen.

✎ 107, 112

**? The vehicle marker does not appear.**

- ✓ The screen shown might not be the Current Position screen.
- ✎ Display the Current Position screen.

✎ 107, 112

**? The GPS disable marker is not displayed.**

- ✓ Your vehicle might be in a position where GPS signals cannot be received.
- ✎ Try moving your vehicle to a position where there are no obstacles around.

**? There is no voice guidance.**

- ✓ The guidance volume might be turned down low.
- ✎ Adjust the volume. ✎ 603

**? Small spots or bright flashes appear in the screen displayed.**

- ✓ This is probably due to the nature of the LCD display.
- ✎ There is nothing wrong with the display and no need for concern.

## 706 Specifications

### Navigation section

- Receiver**  
: High-sensitivity GPS receiver
- Reception Frequency**  
: 1575.42 MHz (C/A code)
- Acquisition Times**  
Cold : < 38 seconds  
Factory Reset : < 45 seconds  
(On average for a stationary receiver with a clear view of the sky)
- Accuracy**  
Position : < 10 meters typical  
Velocity : 0.05 m/sec. RMS
- Position Method**  
: GPS
- Antenna**  
: External GPS antenna

### Monitor section

- Picture Size**  
: 6.95 inches (diagonal) wide  
: 156.2 mm (W) x 82.4 mm (H)
- Display Sytem**  
: Transparent TN LCD panel
- Drive System**  
: TFT active matrix system
- Number of Pixels**  
: 336,960 (480H x 234V x RGB)
- Effective Pixels**  
: 99.99 %
- Pixel Arrangement**  
: RGB striped arrangement
- Back Lighting**  
: Cold Cathode Fluorescent Tube

### USB interface section

- USB Standard**  
: USB 1.1/ 2.0
- File Sytem**  
: FAT 16/ 32
- Maximum Power Supply Current**  
: 500 mA
- D/A Converter**  
: 24 Bit
- Audio Decoder**  
: MP3/WMA/ AAC

### Bluetooth section

- Technology**  
: Bluetooth Ver.1.2 Certified
- Frequency**  
: 2.402 – 2.480 GHz
- Output Power**  
: +4 dBm (MAX), 0 dBm (AVE), Power Class 2
- Profile**  
HFP (Hands Free Profile), SPP (Serial Port Profile), HSP (Headset Profile), A2DP (Advanced Audio Distribution Profile), AVRCP (Audio/Video Remote Control Profile), OPP (Object Push Profile), PBAP (Phonebook Access Profile), SYNC (Synchronization Profile)

### General

- Operating voltage**  
: 14.4 V (11 – 16 V allowable)
- Current Consumption**  
: 15 A
- Dlmissions (W x H x D)**  
: 182 x 112 x 163 mm
- Operational Temperature Range**  
: -10 °C – +60 °C
- Storage Temperature Range**  
: -20 °C – +85 °C
- Weight**  
: 2.5 kg

Specifications subject to change without notice.

Although the effective pixels for the liquid crystal panel is given as 99.99% or more, 0.01% of pixels may not light or may light incorrectly.

### About DivX

DivX is a popular media technology created by DivX, Inc. DivX media Files contain highly compressed video with high visual quality that maintains a relatively small file size. DivX files can also include advanced media features like menus, subtitles, and alternate audio tracks. Many DivX media files are available for download online, and you can create your own using your personal content and easy-to-use tools from DivX.com.

### About DivX Certified

DivX Certified products are officially tested by the creators of DivX and guaranteed to play all versions of DivX video, including DivX 6. Certified products qualify for one of several DivX Profiles that designate the type of video the product supports, from compact portable video to high-definition video.

The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Kenwood Corporation is under license. Other trademarks and trade names are those of their respective owners.

DivX, DivX Certified, and associated logos are trademarks of DivX, Inc. and are used under license.

This equipment has been tested and found to comply with the limits for a Class B digital device , pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

FCC RF Radiation Exposure Statement:

- 1.This Transmitter must not be co- located or operating in conjunction with any other antenna or transmitter.
- 2.This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body



## Declaration of Conformity with regard to the R&TTE Directive 1999/5/EC

### Manufacturer:

Kenwood Corporation  
2967-3 Ishikawa-machi, Hachioji-shi, Tokyo, 192-8525 Japan

### EU Representative's:

Kenwood Electronics Europe BV  
Amsterdamseweg 37, 1422 AC UITHOORN, The Netherlands

### English

Hereby, Kenwood declares that this unit DNX5220BT is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

### Français

Par la présente Kenwood déclare que l'appareil DNX5220BT est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

Par la présente, Kenwood déclare que ce DNX5220BT est conforme aux exigences essentielles et aux autres dispositions de la directive 1999/5/CE qui lui sont applicables.

### Deutsch

Hiermit erklärt Kenwood, dass sich dieser DNX5220BT in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet. (BMWf)

Hiermit erklärt Kenwood die Übereinstimmung des Gerätes DNX5220BT mit den grundlegenden Anforderungen und den anderen relevanten Festlegungen der Richtlinie 1999/5/EG. (Wien)

### Nederlands

Hierbij verklaart Kenwood dat het toestel DNX5220BT in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.

Bij deze verklaart Kenwood dat deze DNX5220BT voldoet aan de essentiële eisen en aan de overige relevante bepalingen van Richtlijn 1999/5/EC.

### Italiano

Con la presente Kenwood dichiara che questo DNX5220BT è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

### Español

Por medio de la presente Kenwood declara que el DNX5220BT cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.

### Português

Kenwood declara que este DNX5220BT está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

### Polska

Kenwood niniejszym oświadcza, że DNX5220BT spełnia zasadnicze wymogi oraz inne istotne postanowienia dyrektywy 1999/5/EC.

### Česky

Kenwood tímto prohlašuje, že DNX5220BT je ve shodě se základními požadavky a s dalšími příslušnými ustanoveními Nařízení vlády č. 426/2000 Sb.

### Magyar

Alulírott, Kenwood, kijelenti, hogy a jelen DNX5220BT megfelel az 1999/5/EC irányelvben meghatározott alapvető követelményeknek és egyéb vonatkozó előírásoknak.

### Svenska

Härmed intygar Kenwood att denna DNX5220BT står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

### Suomi

Kenwood vakuuttaa täten että DNX5220BT tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

### Slovensko

S tem Kenwood izjavlja, da je ta DNX5220BT v skladu z osnovnimi zahtevami in ostalimi ustreznimi predpisi Direktive 1999/5/EC.

### Slovensky

Spoločnosť Kenwood týmto vyhlasuje, že DNX5220BT spĺňa základné požiadavky a ďalšie príslušné ustanovenia Direktívy 1999/5/EC.

### Dansk

Undertegnede Kenwood erklærer herved, at følgende udstyr DNX5220BT overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.

### Ελληνικά

ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Kenwood ΔΗΛΩΝΕΙ ΟΤΙ ΔNX5220BT ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.

### Eesti

Sellega kinnitab Kenwood, et see DNX5220BT vastab direktiivi 1999/5/EC põhilistele nõudmistele ja muudele asjakohastele määrustele.

### Latviešu

Ar šo, Kenwood, apstiprina, ka DNX5220BT atbilst Direktīvas 1999/5/EK galvenajām prasībām un citiem tās nosacījumiem.

### Lietuviškai

Šiuo, Kenwood, pareiškia, kad šis DNX5220BT atitinka pagrindinius Direktyvos 1999/5/EB reikalavimus ir kitas svarbias nuostatas.

### Malti

Hawnhekk, Kenwood, jiddikjara li dan DNX5220BT jikkonforma mal-htigijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Direttiva 1999/5/EC.

### Українська

Компанія Kenwood заявляє, що цей виріб DNX5220BT відповідає ключовим вимогам та іншим пов'язаним положенням Директиви 1999/5/EC.