

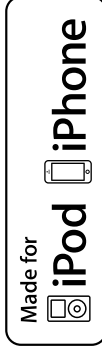
DVD RDS AV RECEIVER
AUTORADIO AV RDS LECTEUR DE DVD
RADIO AV RDS CON DVD

Pioneer

English

Français

Español



This HD Radio receiver enables:

PSD

HD2/HD3

Digital Sound

iTunes® Tagging

Artist Experience

AVH-X5600BHS

AVH-X4600BT

AVH-X3600BHS

AVH-X2600BT

AVH-X1600DVD

Owner's Manual
Mode d'emploi
Manual de instrucciones

🔑 Important (Serial number)

The serial number is located on the bottom of this unit. For your own security and convenience, be sure to record this number on the enclosed warranty card.

🔑 Important (Numéro de série)

Le numéro de série se trouve au bas de cet appareil. Pour votre sécurité et votre commodité, veuillez à noter ce numéro sur la carte de garantie fournie.

🔑 Importante (Número de serie)

El número de serie se encuentra en la parte inferior de esta unidad. Por su propia seguridad y comodidad, asegúrese de anotar este número en la tarjeta de garantía que se adjunta.

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Precautions

Thank you for purchasing this PIONEER product.

To ensure proper use, please read through this manual before using this product. It is especially important that you read and observe **WARNINGS** and **CAUTIONS** in this manual. *Please keep the manual in a safe and accessible place for future reference.*

IMPORTANT SAFEGUARDS

Please read all of these instructions regarding your display and retain them for future reference.

- 1 Do not install the display where it may (i) obstruct the driver's vision, (ii) impair the performance of any of the vehicle's operating systems or safety features, including air bags, hazard lamp buttons or (iii) impair the driver's ability to safely operate the vehicle.
- 2 Do not operate this display if doing so in any way will divert your attention from the safe operation of your vehicle. Always observe safe driving rules and follow all existing traffic regulations. If you experience difficulty in operating the system or reading the display, park your vehicle in a safe location and make necessary adjustments.
- 3 Please remember to wear your seat belt at all times while operating your vehicle. If you are ever in an accident, your injuries can be considerably more severe if your seat belt is not properly buckled.
- 4 Never use headphones while driving.
- 5 To promote safety, certain functions are disabled unless the parking brake is on, and the vehicle is not in motion.
- 6 Never set the volume of your display so high that you cannot hear outside traffic and emergency vehicles.

Precautions

When you attempt to watch a video image while driving, the warning "Viewing of front seat video source while driving is strictly prohibited." will appear on the front display.

To watch a video image on the front display, park your vehicle in a safe place and apply the parking brake.

Parking brake interlock

Certain functions (Video viewing and certain touch panel keys) offered by this unit could be dangerous and/or unlawful if used while driving. To prevent such functions from being used while the vehicle is in motion, there is an interlock system that senses when the parking brake is set. If you attempt to use the functions described above while driving, they will become disabled until you stop the vehicle in a safe place, and (1) apply the parking brake, (2) release the parking brake, and then (3) apply the parking brake again. Please keep the brake pedal pushed down before releasing the parking brake.

When using a display connected to rear monitor output

The rear monitor output on this unit (V OUT) is used to connect a rear display that allows passengers in the rear seats to watch videos.

WARNING

NEVER install the rear display in a location where the driver can watch videos while driving.

When using the rear view camera

With an optional rear view camera, this unit can be used as an aid to keep an eye on trailers, or when backing into a tight parking spot.

WARNING

- Do not attempt to install or service this product by yourself. Installation or servicing of this product by persons without training and experience in electronic equipment and automotive accessories may be dangerous and could expose you to the risk of electric shock, injury or other hazards.

- Do not attempt to operate the unit while driving. Make sure to pull off the road and park your vehicle in a safe location before attempting to use the controls on the device.

To ensure safe driving

WARNING

- LIGHT GREEN LEAD AT POWER CONNECTOR IS DESIGNED TO DETECT PARKED STATUS AND MUST BE CONNECTED TO THE POWER SUPPLY SIDE OF THE PARKING BRAKE SWITCH. IMPROPER CONNECTION OR USE OF THIS LEAD MAY VIOLATE APPLICABLE LAW AND MAY RESULT IN SERIOUS INJURY OR DAMAGE.**
- To avoid the risk of damage and injury and the potential violation of applicable laws, this unit is not for use with a video screen that is visible to the driver.
- To avoid the risk of accident and the potential violation of applicable laws, no viewing of front seat video should ever occur while the vehicle is being driven.

- In some countries or states the viewing of images on a display inside a vehicle even by persons other than the driver may be illegal. Where such regulations apply, they must be obeyed and this unit's video features should not be used.

WARNING

- SCREEN IMAGE MAY APPEAR REVERSED.**
- USE INPUT ONLY FOR REVERSE OR MIRROR IMAGE REAR VIEW CAMERA. OTHER USE MAY RESULT IN INJURY OR DAMAGE.**

CAUTION

- The rear view camera function is to be used as an aid to keep an eye on trailers, or while backing up. Do not use for entertainment purposes.
- Please note that the edges of the rear view camera images may differ slightly according to whether full screen images are displayed when backing up, and whether the images are used for checking the rear when the vehicle is moving forward.

To avoid battery exhaustion

Keep the vehicle engine running when using this unit to avoid draining the battery power.

- When no power is supplied to this unit, such as when the vehicle battery is being re-placed, the microcomputer of this unit returns to its initial condition. We recommend that you transcribe the audio adjustment data.

WARNING

Do not use with vehicles that do not feature an ACC position.

Before you start

Information to User

MODEL NO.: AVH-X5600BHS, AVH-X4600BT, AVH-X3600BHS, AVH-X2600BT
Contains FCC ID: RKKXFC6000S

Contains/Content IC: 5119A-FC6000S
This device complies with Part 15 of FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

The Bluetooth antenna cannot be removed (or replaced) by user.

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20 cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

MODEL NO.: AVH-X1600DVD

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Before you start

The Safety of Your Ears is in Your Hands

Get the most out of your equipment by playing it at a safe level—a level that lets the sound come through clearly without annoying blaring or distortion and, most importantly, without affecting your sensitive hearing. Sound can be deceiving. Over time, your hearing "comfort level" adapts to higher volumes of sound, so what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

ESTABLISH A SAFE LEVEL:

- Set your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, without distortion.
- Once you have established a comfortable sound level, set the dial and leave it there.

BE SURE TO OBSERVE THE FOLLOWING GUIDELINES:

- Do not turn up the volume so high that you can't hear what's around you.
- Use caution or temporarily discontinue use in potentially hazardous situations.
- Do not use headphones while operating a motorized vehicle; the use of headphones may create a traffic hazard and is illegal in many areas.

About this unit

The tuner frequencies on this unit are allocated for use in North America. Use in other areas may result in poor reception.

WARNING

Handling the cord on this product or cords associated with accessories sold with the product may expose you to chemicals listed on proposition 65 known to the State of California and other governmental entities to cause cancer and birth defect or other reproductive harm. **Wash hands after handling.**

CAUTION:
USE OF CONTROL OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION:
THE USE OF OPTICAL INSTRUMENTS WITH THIS PRODUCT WILL INCREASE EYE HAZARD.

CAUTION

This product is a class 1 laser product classified under the Safety of laser products, IEC 60825-1:2007, and contains a class 1M laser module. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel.

CLASS 1 LASER PRODUCT

CAUTION—CLASS 1M VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.

Before you start



CAUTION

- Do not allow this unit to come into contact with liquids. Electrical shock could result. Also, damage to this unit, smoke, and overheating could result from contact with liquids.
- Keep this manual handy for future reference.
- Always keep the volume low enough to hear outside sounds.
- Avoid exposure to moisture.
- If the battery is disconnected or discharged, any preset memory will be erased.

DVD video disc region numbers

Only DVD video discs with compatible region numbers can be played on this player. You can find the region number of the player on the bottom of this unit and in this manual (refer to *Specifications* on page 69).

About this manual

- This unit features a number of sophisticated functions to ensure superior reception and operation. All the functions have been designed for the easiest possible use, but many are not self-explanatory. This operation manual will help you benefit fully from this unit's potential and to maximize your listening enjoyment.
- This manual uses diagrams of actual screens to describe operations. However, the screens on some units may not match those shown in this manual depending on the model used.

After-sales service for Pioneer products

Please contact the dealer or distributor from where you purchased this unit for after-sales service (including warranty conditions) or any other information. In case the necessary information is not available, please contact the companies listed below:

Please do not ship your unit to the companies at the addresses listed below for repair without advance contact.

U.S.A.

Pioneer Electronics (USA) Inc.
CUSTOMER SUPPORT DIVISION
P.O. Box 1760

Long Beach, CA 90801-1760
800-421-1404

CANADA

Pioneer Electronics of Canada, Inc.
CUSTOMER SATISFACTION DEPARTMENT
340 Ferrier Street
Unit 2

Markham, Ontario L3R 2Z5, Canada
1-877-283-5901
905-479-4411

For warranty information please see the Limited Warranty sheet included with this unit.

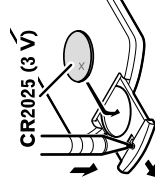
Use and care of the remote control

Installing the battery

Slide the tray on the back of the remote control out and insert the battery with the plus (+) and minus (-) poles aligned properly.

- When using for the first time, pull out the film protruding from the tray.

Before you start



Important

- Do not store the remote control in high temperatures or direct sunlight.
- Do not let the remote control fall onto the floor, where it may become jammed under the brake or accelerator pedal.

Demo mode

The feature demo automatically starts when you select **Off** for the source and continues while the ignition switch is set to ACC or ON. To cancel the feature demo, press and hold **MUTE**. Press and hold **MUTE** again to restart. Operating the feature demo while the car engine is turned off it may drain the battery power.



WARNING

- Keep the battery out of the reach of children. Should the battery be swallowed, consult a doctor immediately.
- Batteries (battery pack or batteries installed) must not be exposed to excessive heat such as sunshine, fire or the like.



CAUTION

- Remove the battery if the remote control is not used for a month or longer.
- There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type.
- Do not handle the battery with metallic tools.
- Do not store the battery with metallic objects.
- If the battery leaks, wipe the remote control completely clean and install a new battery.
- When disposing of used batteries, comply with governmental regulations or environmental public institutions' rules that apply in your country/area.
- "Perchlorate Material" – special handling may apply.
See www.dtsc.ca.gov/hazardouswaste/perchlorate. (Applicable to California, U.S.A.)

Using the remote control

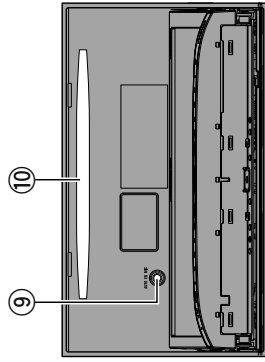
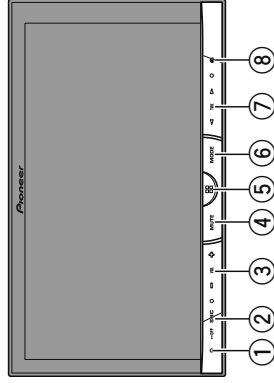
Point the remote control in the direction of the front panel to operate.

- The remote control may not function properly in direct sunlight.

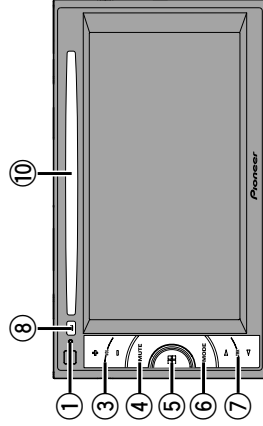
What's what

Head unit

AVH-X5600BHS and AVH-X4600BT



AVH-X3600BHS, AVH-X2600BT and AVH-X1600DVD



1 RESET

For details refer to *Resetting the microprocessor* on page 48.

2 SRC/OFF

3 +/- (VOLUME/VOL)

4 MUTE

Press to mute. Press again to unmute.

5 Home button

Displaying the home display.

The display returns to the Launcher screen while a 3rd-party application is being used in

AppRadio Mode.

Double-clicking the icon on the Launcher screen returns the display to the home display.

6 MODE

When RGB input is not used

- Press **MODE** to turn the display off. Press **MODE** again to turn the display on.

When RGB input is used

- Press and hold **MODE** to turn the display off. Press **MODE** again to turn the display on.
- When the navigation system is connected, press **MODE** to switch to the navigation display.
- When an iPhone that is running an application that supports **AppRadio Mode** is connected, press **MODE** to switch to the application display. You can use the application by touching the display.
- When a smartphone work with the MirrorLink function is connected, press **MODE** to switch to the application display. You can use the application by touching the display.

7 ◀/▶ (TRK)

8 ▲ (eject)

9 Auto EQ microphone input jack

Use to connect an auto EQ microphone.

10 Disc loading slot

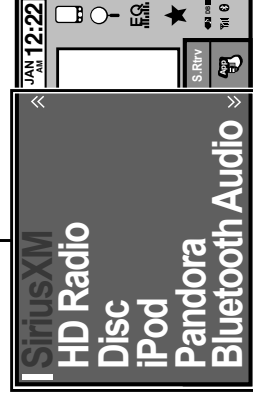
What's what

Notes

- For details on how to operate a navigation system from this unit, refer to its operation manual.
- For details on how to connect an iPod or USB storage device to this unit, refer to *When connecting with optional CD-iU201V cable* on page 53.
- For details on how to connect a smartphone with the MirrorLink function to this unit, refer to *Optional Smartphone link adaptor (CD-ML100) connection* on page 53.

Source on display

1



1 Source icon

Selecting a favorite source.

When the source icon is not displayed, it can be displayed by pressing the home key or touching .

2 Apps/MirrorLink key

Switching to **AppRadio Mode**/MirrorLink Mode.

3 Rear view key

Displaying the rear view image.

For details refer to *Using the rear view* on page 10.

4 Source off key

Turning the source off.

5 Bluetooth key

Displaying the Bluetooth connection menu.

6 Theme key

Displaying the **Theme** menu.

7 Menu icon

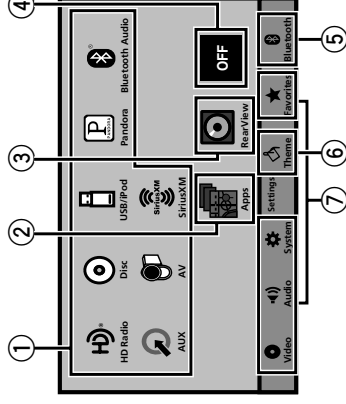
Displaying the menu.

8 Source key

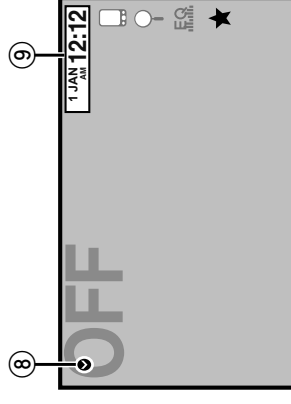
Displaying the source menu.

Home display

Home display



Source off display



What's what

- ⑨ **Clock key**
Switching to clock adjustment display.

Turning the source ON/OFF

(Function of AVH-X5600BHS/AVH-X4600BT)

Turning the source on using the buttons
① Press **SRC/OFF** to turn the source on.

Turning the source off using the buttons
① Press and hold **SRC/OFF** until the source turns off.

Selecting a source

Available source modes

- **SiriusXM** – SiriusXM tuner
(AVH-X5600BHS/AVH-X3600BHS)
- **HD Radio** – HD Radio tuner
(AVH-X5600BHS/AVH-X3600BHS)
- **Radio** – Radio tuner
(AVH-X4600BT/AVH-X2600BT/AVH-X1600DVD)
- **Disc** – Built-in DVD and CD player
- **USB, iPod, or USB MTP** – USB/iPod/MTP
internet radio
- **Pandora** – Pandora[®] internet radio
- **Bluetooth Audio** – Built-in Bluetooth audio
(AVH-X5600BHS/AVH-X4600BT/AVH-X3600BHS/AVH-X2600BT)
- **AUX** – AUX
- **AV** – AV input

Selecting a source

- Using **SRC/OFF**
(Function of AVH-X5600BHS/AVH-X4600BT)
① Press **SRC/OFF**.
- Using the touch panel keys on the home display
① Touch the source icon and then touch the desired source name.
- When the source icon is not displayed, it can be displayed by touching the screen.
- While operating the menu, you cannot select a source by touching the source icon.

Note

The **USB/iPod** icon will change as follows:

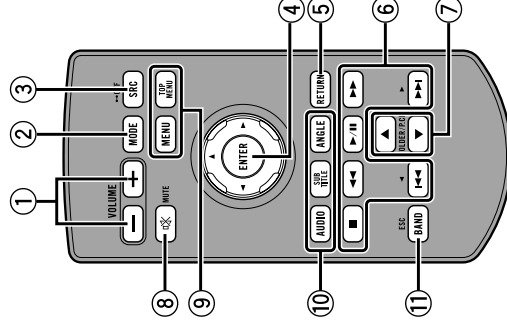
- **USB/iPod** is displayed when no device is connected.
- **USB** is displayed when a USB storage device is connected to USB input.
- **iPod** is displayed when an iPod is connected to USB input.
- **USB MTP** is displayed when an MTP-compatible Android device (running Android OS 4.0 or higher) is connected by MTP connection using a USB cable.

What's what

Adjusting the volume

- Press **+/-** (**VOLUME/VOL**) to adjust the volume.

Remote control



- ① **+/-** (**VOLUME/VOL**)

- ② **MODE**

Turning the information display off.

- ③ **SRC/OFF**

Press to cycle through all the available sources. Press and hold to turn the source off.

- ④ **Thumb pad**

Use to select a menu on the DVD menu.

- ⑤ **RETURN**

Press to display the PBC (playback control) menu during PBC playback.

- ⑥ **▶/II**

Press to pause or resume playback.

- ◀◀**

Press to perform fast reverse.

Press to change the fast reverse speed.

What's what

- ▶▶ Press to perform fast forward.
Press to change the fast forward speed.
- ◀◀ Press to return to the previous track (chapter).
- ▶▶ Press to go to the next track (chapter).
- Press to stop playback.
If you resume playback, playback will start from the point where you stopped. Touch the key again to stop playback completely.

⑦ FOLDER/PCH

- Press to select the next or previous disc or folder.
- Press to recall radio station frequencies assigned to preset tuning keys.

⑧ MUTE

- Press to mute. Press again to unmute.

⑨ MENU

- Press to display the DVD menu during DVD playback.
- TOP MENU**
Press to return to the top menu during DVD playback.

⑩ AUDIO

- Press to change the audio language during DVD playback.
- Press to switch audio output for DivX/MPEG-4.

SUBTITLE

- Press to change the subtitle language during DVD/DivX/MPEG-4 playback.

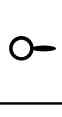
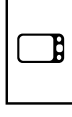
ANGLE

- Press to change the viewing angle during DVD playback.

Common operations

Common operations for menu settings/lists

(Function of AVH-X5600BHS/
AVH-X4600BT/AVH-X3600BHS/
AVH-X2600BT)
Starting the Bluetooth telephone
menu.
For details refer to *Bluetooth telephone* on page 32.



① Scroll icon

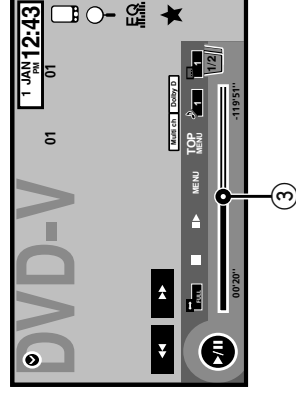
Appears when selectable items are hidden.
Touch the scroll icon to view any hidden items.

② Scrubber bar

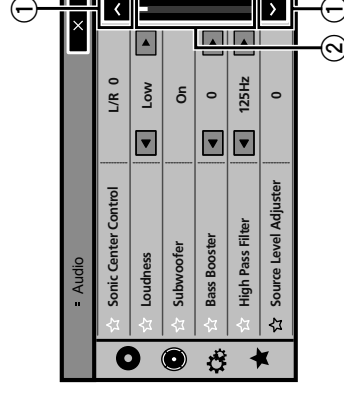
Appears when items cannot be displayed on a single page only.
Drag the scrubber bar to view any hidden items.
Also, you can drag the list to view any hidden items.

③ Playback point

Specifying the playback point
Drag the playback point on the screen.

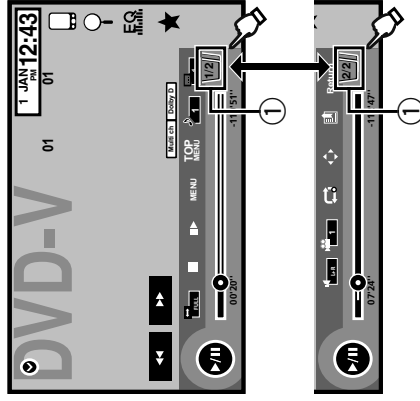


Operating the scroll icon and the scrubber bar



Common operations

Activating the touch panel keys Touch panel keys



① Tab key

Switching the touch panel keys on the display.

Using the rear view

A rear view camera sold separately is required for using the rear view mode. The below functions are available.

- **Rear view camera**
This unit can be setup to display the rear view image automatically when you move the shift lever to the **REVERSE (R)** position.
- **Camera for rear view mode**
The rear view can be turned on to display at all times.
The rear view camera needs to be set to a setting other than Off to turn on rear view mode.

For details about the settings, refer to *Setting the rear view camera (back up camera)* on page 43.

Using the rear view key to display the rear view

Displaying the rear view image by turning the rear view image on.

When the rear view image is displayed, you can switch to the source display by touching the display. You can operate from the source display temporarily at this time. If you do not perform any operations within a few seconds, the display will return to the rear view image.



To turn off the rear view image, press the home button to return to the home display and then press this key again.

Using the rear monitor

Connecting a rear monitor, sold separately, to this unit allows images and videos to be viewed from the rear seats.

Notes

- You cannot use touch panel keys and operation screens from the rear monitor.
- Images and video will continue to be displayed whether the vehicle is in motion or stopped.

Using sound retriever



Automatically enhances compressed audio and restores rich sound.

Off — — — — —

- — — — — — is more effective than — — — — —.

Common operations

Notes

- This function is enabled for playback on the sources listed below.
 - CD-DA
 - MP3/WMA/AAC files on USB MTP storage devices
 - MP3/WMA/AAC/WAV files on USB storage devices
 - MP3/WMA/AAC files on CD media
 - iPod
 - Pandora (iPod with 30-pin connector only)
 - The sound retriever setting is turned off when the MIXTRAX function is used in USB source mode.
- Different settings can be stored for each video source.
- When a video is viewed in a wide screen mode that does not match its original aspect ratio, it may appear different. Remember that using the wide mode feature of this system for commercial or public viewing purposes may constitute an infringement on the author's rights protected by the Copyright Law.
 - The video image will appear coarser when viewed in **zoom** mode.
 - This function is enabled for playback on the sources listed below.
 - **Disc:** DVD-V, Video-CD, DivX, MPEG-1, MPEG-2, MPEG-4
 - **USB:** DivX, MPEG-1, MPEG-2, MPEG-4, JPEG
 - **iPod:** Video
 - **AV:** A/V data
 - **AUX:** A/V data

Changing the wide-screen mode



Selecting the appropriate screen ratio for the playback video.

1 Display the screen mode.

2 Touch the desired wide mode setting.

FULL (full screen)

The 4:3 picture is enlarged in the horizontal direction only, granting viewers a 4:3 TV picture (normal picture) without any omissions.

zoom (zoom)

The 4:3 picture is enlarged in the same proportion both vertically and horizontally; ideal for a cinema sized picture (wide screen picture).

NORMAL (normal)

The 4:3 picture is displayed as is, granting viewers no sense of disparity as the proportions are the same as that of the normal picture.

Notes

- You cannot operate this function while driving.

Adjusting the angle of the LCD panel and ejecting media



Keep hands and fingers clear of the unit when opening, closing, or adjusting the LCD panel. Be especially cautious of children's hands and fingers.

Adjusting the LCD panel angle

(Function of AVH-X5600BHS/AVH-X4600BT)

- 1 Press  (eject) to display the ejecting menu.
- 2 Adjust the LCD panel to an easily viewable angle.



Laying the panel down.



Returning the panel to the upright position.

- As the set angle is saved, the LCD panel will automatically be adjusted to the same position the next time the LCD panel is opened.

Ejecting a disc

(Function of AVH-X5600BHS/AVH-X4600BT)

- 1 Press  (eject) to display the ejecting menu.
- 2 Eject a disc.



Ejecting a disc.

About HD Radio™ stations

(Function of AVH-X5600BHS/AVH-X3600BHS)
HD Radio™ stations offer high-quality audio and data services. HD Radio stations are brought to you by local FM/AM stations.

HD Radio stations feature the following:

- High quality audio
- FM multicasting
- Data services



PSD)

Program Service Data: Contributes to the superior user experience of HD Radio Technology. Presents song name, artist, station IDs, HD2/HD3 Channel Guide, and other relevant data streams.

HD2/HD3)

Adjacent to traditional main stations are extra local FM channels. These HD2/HD3 Channels provide new, original music as well as deep cuts into traditional genre.

Digital Sound)

Digital, CD-quality sound. HD Radio Technology enables local radio stations to broadcast a clean digital signal. AM sounds like today's FM and FM sounds like a CD.

iTunes® Tagging)

iTunes® Tagging provides you the opportunity to discover a wide range of content and the means to "tag" that content for later review and purchase from the iTunes® Store.

Artist Experience)

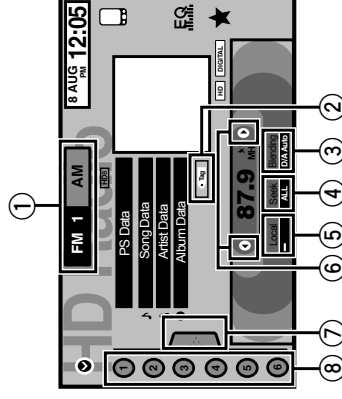
Visual information related to content being played on your HD Radio receiver, such as Album Art, historical photographs, still art from live broadcasts, among other related content.

HD Radio™ Technology

HD Radio Technology manufactured under license from iBiquity Digital Corporation. U.S. and Foreign Patents. HD Radio™ and the HD, HD Radio, and "Arc" logos are proprietary trademarks of iBiquity Digital Corp.

HD Radio tuner operations

Touch panel keys



① Band key

Selecting a band (FM or AM) by touching the band key.
The touch panel key for the selected band is highlighted.

HD Radio™ tuner

Switching between **FM1**, **FM2**, and **FM3** by touching the band key.
When **AM** is selected, you cannot switch to another **AM** band by touching the band key.

② Tag key

Saving song information (tag) from the broadcasting station to your iPod.

③ Reception mode key

Switching to the analog broadcast of the same frequency.

④ Seek mode key

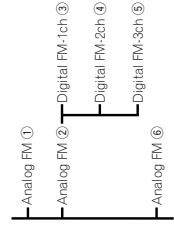
Switching between Digital broadcasting station seek and normal seek.

⑤ Local key

Setting the local seek level.

⑥ Tuning key

Tuning up or down manually.
Touch and hold down for more than two seconds to skip stations. Seek tuning starts as soon as you release. Touch again to cancel seek tuning.
When an analog station is received, tuning down operation is conducted within the analog broadcasting. (⑥ → ②)
If a digital broadcast is not yet received, tuning-up operation tunes in the next analog station. (② → ⑥)



⑦ List key

Displaying the preset channel list.

⑧ Preset channel key

Select a preset channel.

Basic operations

Switching preset channels using the buttons
 Press ◀ or ▶ (TRK).

Seek tuning using the buttons
 Press and hold ◀ or ▶ (TRK).

Note

Touch panel keys not listed under *HD Radio tuner operations* may appear on the display. Refer to *Indicator list* on page 61.

Storing and recalling stations

You can easily store up to six stations for each band as presets.

1 Display the preset channel list screen.

Refer to *HD Radio tuner operations* on page 11. The preset channel list appears in the display.

2 Touch and hold down one of the preset tuning keys to store the selected frequency to the memory.

The selected radio station frequency has been stored in the memory.

3 Touch the appropriate preset tuning key to select the desired station.

Storing the strongest stations

BSM (best stations memory) automatically stores the six strongest stations in the order of their signal strength.

Storing broadcast frequencies with BSM may replace broadcast frequencies you have saved using the preset tuning keys.

HD Radio™ tuner

1 Display the preset channel list screen.

Refer to *HD Radio tuner operations* on page 11. The preset channel list appears in the display.

2 Touch BSM to turn BSM on.

The six strongest broadcast frequencies will be stored under preset tuning keys in order of their signal strength.

- To cancel the storage process, touch **Cancel**.

Tuning in to strong signals

Local seek tuning allows you to tune in to only those radio stations with sufficiently strong signals for good reception.

FM: Off — — — — — — — — — —
 AM: Off — — — — — — — — — —

The more ■ there are on the screen, the fewer the stations that can be selected. Only stations with the strongest signals in your local area can be selected.

If there are fewer ■ this unit will be able to receive broadcasts from weaker stations.

Using iTunes tagging

Note

For more details about iTunes tagging, refer to *About iTunes tagging* on page 65.

Storing the tag information to this unit

1 Tune in to the broadcast station.

2 Store the tag information to this unit.

Refer to *HD Radio tuner operations* on page 11. You can store the information if the **Tag** indicator is displayed while the desired song is being broadcast.

- While storing the tag data on this unit, **Tag** flashes.

- The tag information for up to 50 songs can be stored on this unit.

- Depending on the timing of when the tag information is stored, the tag information for the song played before or after the currently playing song may also be stored.

3 When completed, ◀Tag indicator turns off and ▶ indicator is displayed.

Storing the tagged information to your iPod

1 Connect your iPod.

When your iPod is connected to this unit, your iPod starts storing the tagged information automatically.

2 When completed, indicator turns off and the tagged information is stored on your iPod.

Switching the seek mode

There are two seek tuning settings, one is **HD** (Digital broadcasting stations seek) and the other is **ALL** (normal seek).

ALL—HD

Switching the reception mode

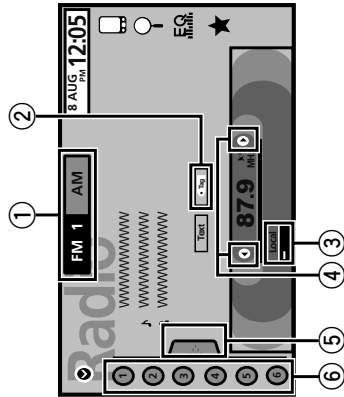
If the reception for a digital broadcast becomes poor, this unit automatically switches to the analog broadcast of the same frequency. If this function is set to **D/A AUTO**, the tuner switches between digital broadcast and analog broadcast automatically. If this function is set to **ANALOG**, the tuner will only receive analog broadcasts.

D/A AUTO—ANALOG

Tuner operations

(Function of AVH-X4600BT/AVH-X2600BT/AVH-X1600DVD)

Touch panel keys



- ① **Band key**
Selecting a band (**FM1**, **FM2** or **FM3**) by touching the left icon. Switching to the **AM** band by touching the right icon.
The icon for the selected band is highlighted.
- ② **Tag key**
Saving song information (tag) from the broadcasting station to your iPod.
- ③ **Local key**
Setting the local seek level.
- ④ **Tuning key**
Tuning up or down manually.
Touch and hold down for more than two seconds to skip stations. Seek tuning starts as soon as you release. Touch again to cancel seek tuning.
- ⑤ **List key**
Displaying the preset channel list.

⑥ **Preset channel key**

Selecting a preset channel.

Basic operations

Switching preset channels using the buttons	1 Press ◀ or ▶ (TRK).
Seek tuning using the buttons	1 Press and hold ◀ or ▶ (TRK).

Notes

- Listening AM radio while an iPod is charged from this unit may generate noise. In this case, disconnect the iPod from this unit.
- Touch panel keys not listed under *Tuner operations* may appear on the display. Refer to *Indicator list* on page 61.

Storing and recalling stations

You can easily store up to six stations for each band as presets.

- 1 Display the preset screen.**
Refer to *Tuner operations* on page 13.
The preset screen appears in the display.
- 2 Touch and hold down one of the preset tuning keys to store the selected frequency to the memory.**
The selected radio station frequency has been stored in the memory.
- 3 Touch the appropriate preset tuning key to select the desired station.**

Storing the strongest stations

BSM (best stations memory) automatically stores the six strongest stations in the order of their signal strength.

Tuner

Storing broadcast frequencies with BSM may replace broadcast frequencies you have saved using the preset tuning keys.

- 1 Display the preset screen.**
Refer to *Tuner operations* on page 13.
The preset screen appears in the display.
- 2 Touch BSM to turn BSM on.**
The six strongest broadcast frequencies will be stored under preset tuning keys in order of their signal strength.
 - To cancel the storage process, touch **Cancel**.

Tuning in to strong signals

Local seek tuning allows you to tune in to only those radio stations with sufficiently strong signals for good reception.

EM: Off — ■ — ■ — ■ — ■ — ■ —

AM: Off — ■ — ■ — ■

The more  there are on the screen, the fewer the stations that can be selected. Only stations with the strongest signals in your local area can be selected.

If there are fewer **■**, this unit will be able to receive broadcasts from weaker stations.

Using iTunes tagging

Note

For more details about iTunes tagging, refer to *About iTunes tagging* on page 65.

Storing the tag information to this unit

- 1 Tune in to the broadcast station.
 - 2 Store the tag information to this unit.
- Refer to *Tuner operations* on page 13.

You can store the information if the **Tag** indicator is displayed while the desired song is being broadcast.

- While storing the tag data on this unit, **Tag** flashes.
- The tag information for up to 50 songs can be stored on this unit.
- Depending on the timing of when the tag information is stored, the tag information for the song played before or after the currently playing song may also be stored.

- 3 When completed, indicator turns off and indicator is displayed.

Storing the tagged information to your iPod

- 1 Connect your iPod.**
When your iPod is connected to this unit, your iPod starts storing the tagged information automatically.
- 2 When completed,  indicator turns off and the tagged information is stored on your iPod.**

SiriusXM tuner

Introducing SiriusXM tuner operations

(Function of AVH-X5600BHS/AVH-X3600BHS) You can use this unit to control SiriusXM Connect Vehicle Tuner, which is sold separately.

For more information on how to install SiriusXM Connect Vehicle Tuner, consult the installation guide included with the tuner.

Everything worth listening to is on SiriusXM. You'll find channels and channels of programming, including commercial-free music, plus the best sports, news, talk and exclusive entertainment. A SiriusXM Vehicle Tuner and Subscription are required. For more information, visit www.siriusxm.com in the US or www.siriusxm.ca in Canada.

To subscribe to the SiriusXM Satellite Radio service

- 1 **Select SiriusXM as a source.**
You should be able to tune in to Channel 1. If you cannot get Channel 1, make sure that your SiriusXM Connect Vehicle Tuner is installed correctly as described in the tuner installation guide.

- 2 **Switch to Channel 0 and check the Radio ID.**

The SiriusXM Radio ID can be found by tuning to Channel 0. In addition, the Radio ID is located on the bottom of the SiriusXM Connect Vehicle Tuner.

Please note that the SiriusXM Radio ID does not include the letters I, O, S or F.

You will need this number to activate your subscription.

- 3 **Activate the SiriusXM service online or by phone.**

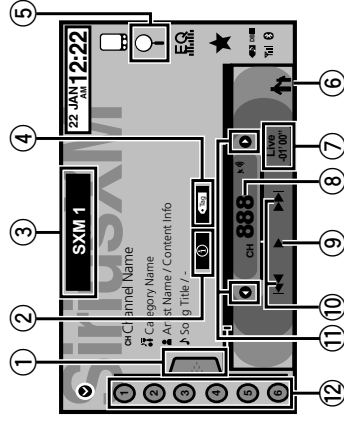
For US Subscriptions:

- Visit www.siriusxm.com/activatenow
- Call SiriusXM Listener Care at 1-866-635-2349

For Canadian Subscriptions:

- Visit www.radio.ca and click on "ACTIVATE RADIO" in the top right corner
- Call 1-877-438-9677
- The SiriusXM satellites will send an activation message to your tuner. When the tuner has received the message, "Subscription Updated" is displayed. Press any key to clear the activation message. The activation process usually takes 10 minutes to 15 minutes but may take up to an hour in some cases. Do not turn off the unit until you clear the activation message by pressing any key.

Touch panel keys



- 1 **List key**
Displaying the preset channel list.

- 2 **Information key**
Switching the SiriusXM information.
Category name—Content information

- 3 **Band key**
Selecting a band from **SXM1**, **SXM2** or **SXM3**.

- 4 **iTunes® song tagging key**
Saving iTunes® song tagging from the broadcasting station to your iPod.

SiriusXM tuner

- 5 **Search key**

Selecting a channel from the list screen.

- 6 **Parental control key**

The **Parental Control** screen appears.

- 7 **Live key**

Use to return to the live broadcast while in Instant Replay mode.

- 8 **Direct key**

A numeric keypad appears, allowing you to enter SiriusXM channel numbers directly.

- 9 **Pause and play key**

Use while in Instant Replay mode.

- 10 **Forward/Backward key**

While in Instant Replay mode, use to skip up or down or press and hold to fast forward or fast rewind.

- 11 **Tuning key**

Tuning up or down manually.

Touch and hold down for more than two seconds to skip stations. Seek tuning starts as soon as you release. Touch again to cancel seek tuning.

- 12 **Preset channel key**

Recalling the preset channels by touching the key.

Storing the current station in the preset channel list by touching and holding the key.

Basic operations

Manual tuning (step by step) using the buttons

- 1 Press ◀ or ▶ (TRK).

Seek tuning using the buttons

- 1 Press and hold ◀ or ▶ (TRK).

Note

Touch panel keys not listed under *Introducing SiriusXM tuner operations* may appear on the display. Refer to *Indicator list* on page 61.

Storing and recalling channels

You can easily store up to six channels for each band as presets.

- 1 **Display the preset channel list screen.**

Refer to *Introducing SiriusXM tuner operations* on page 14.

The preset channel list appears in the display.

- 2 **Touch and hold down one of the preset tuning keys to store the selected channel to the memory.**

The selected channel has been stored in the memory.

- 3 **Touch the appropriate preset channel key to select the desired station.**

Selecting a channel from the list screen

Selecting a channel from the all channel list

You can select a channel from any of the available channels.

- 1 **Touch the search key to open the list screen.**
- 2 **Select the all channels.**
- 3 **Select the desired channel.**

SiriusXM tuner

- 4 Touch the close key to close the list screen.



Display is closed.

Selecting a channel from the category list

You can select a channel from the available categories. The types of categories available will depend on the types of channels available.

- 1 Touch the search key to open the list screen.
- 2 Select a category from the list.
- 3 Select the desired channel.
- 4 Touch the close key to close the list screen.



Display is closed.

Switching the list display

You can switch between list types while a list is showing.

- Touch Info while a list is showing to switch between list types.

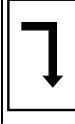
The list displayed will switch between the below types in the order given.

Channel Name—Artist Name—Song Title—Content Info

Selecting a SiriusXM channel directly

You can select a SiriusXM channel directly by entering the desired channel number.

- 1 Touch the direct key to switch to direct input display.
- 2 Touch 0 to 9 to input the desired channel number.
 - To cancel the input numbers, touch C.
- 3 Select the SiriusXM channel of the entered number. The SiriusXM channel of the entered number is selected.



Selecting the SiriusXM channel of the entered number.

Replay™

You can pause, rewind and replay the current live channel as well as when you tune to one of your channels stored on the current band of presets.

- Touch Pause/Play key to pause or play.
- Touch Forward or Backward keys to skip through content. Press and hold the Forward or Backwards keys to fast scan through the content.
- Touch Live key to exit Replay mode and go to the live point in the broadcast.

Using iTunes tagging

Note

For more details about iTunes tagging, refer to *About iTunes tagging* on page 65.

SiriusXM tuner

iTunes tagging of SiriusXM songs

- 1 Tune in to the broadcast station.
- 2 Touch the iTunes® song tagging key. Store the tag information to this unit. You can store the information if the Tag indicator is displayed while the desired song is being broadcast.
 - While storing the tag data on this unit, Tag flashes.
 - The tag information for up to 50 songs can be stored on this unit.
 - Depending on the timing of when the tag information is stored, the tag information for the song played before or after the currently playing song may also be stored.
- 3 When completed, <Tag> indicator turns off and J indicator is displayed.

Storing the tagged information to your iPod

- 1 Connect your iPod. When your iPod is connected to this unit, your iPod starts storing the tagged information automatically.
- 2 When completed, <Tag> indicator turns off and the tagged information is stored on your iPod.

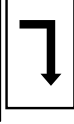
Setting Parental Control

The Parental Control feature allows you to limit access to any SiriusXM channels, including those with mature content.

When enabled, the Parental Control feature requires you to enter a passcode to tune to the locked channels.

- 1 Touch the parental control key to open the passcode confirmation screen.

- 2 Use the numeric keypad to enter the four-digit passcode and then touch the Enter key.



Touch to confirm the passcode.

The default passcode is 0000.

If a valid passcode is entered, the channel list appears on the Parental Control screen together with a lock or unlock icon.

- 3 The below operations can be completed from the Parental Control screen.

Locking channels

Access to the current broadcast channel can be locked. You will need to input your passcode later on to listen to a locked channel.

- To lock a specific channel, touch the name of the desired channel on the list. A locked lock icon will appear next to the name of a locked channel. Touch the name of a locked channel a second time to unlock the channel.

Clear All (clearing the locks from all channels)

You can clear the locks from all locked channels at the same time.

- Touch Clear All to unlock all locked channels at the same time.

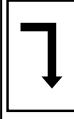
Edit Code (changing the passcode)

You can change your passcode.

- 1 Touch Edit Code to switch to the passcode edit screen.

SiriusXM tuner

- 2 Use the numeric keypad to enter a new four-digit passcode and then touch the Enter key.



Touch to confirm the passcode.

Once the new passcode is set, the Parental Control screen will open.

Note

If **Check Tuner** displays instead, refer to *SiriusXM Satellite Radio* on page 57.

Setting SiriusXM TuneStart™

When tuning using the preset channel buttons, songs can play from the beginning if TuneStart is enabled.

- 1 Press the home button to switch to the home display.
- 2 Touch the system key to open the system menu.

- 3 Touch **SiriusXM Tune Start** on the system menu to turn **SiriusXM Tune Start** on or off.
On: The current broadcast audio song is played back from the start of the song.
Off: The live broadcast is played for the current audio channel.

Scan options

Channels and songs can be played back on this unit by scan play.
TuneStart may take a few minutes to operate after a power cycle or after changing to another preset band.

TuneScan™

Scan through short previews of songs you may have missed on music channels stored on the current band of presets.

- 1 Touch the list key to display the preset channel list.

- 2 Touch **Tune Scan**.

Tune Scan

Each song in the current channel plays for eight seconds at a time.

Refer to *Scan play operations* on page 16 for a list of functions that can be used during scan play.

Note

TuneScan is compatible with SXV200 or later tuner models. Not compatible with SXV100.

Category scan

Scan through each channel in a category.

- 1 Touch the search key.
- 2 Touch the desired category.
- 3 Touch **Scan**.

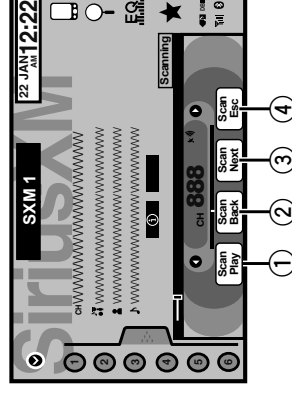
Scan

The live broadcast for each channel in the current category plays for five seconds at a time.

Refer to *Scan play operations* on page 16 for a list of functions that can be used during scan play.

SiriusXM tuner

Scan play operations



- 1 **Scan play key**

Selecting the channel or song playing

- 2 **Scan back key**

Switching to the previous song during the TuneScan.

Switching to the previous channel during the category scan.

- 3 **Scan next key**

Switching to the next song during the TuneScan

Switching to the next channel during the category scan

- 4 **Scan escape key**

Quitting scan play

Resetting to default

The SiriusXM settings will be reset to the default settings.

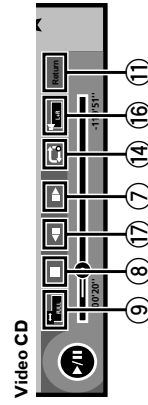
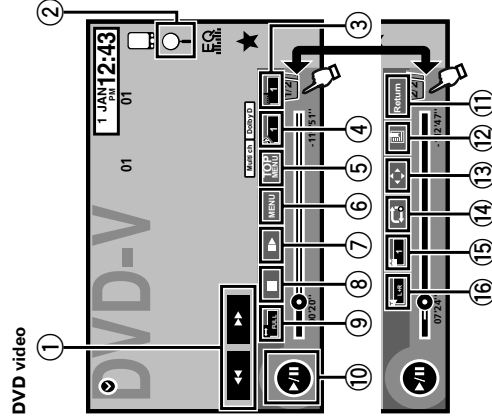
- 1 **Turn the source off.**
Refer to *Turning the source ON/OFF* on page 8.
- 2 Press the home button to switch to the home display.

Disc (CD/DVD)

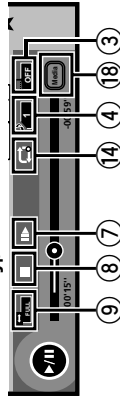
Introducing movie operations

You can use this unit to view DVD/DVD-R/DVD-RW/CD-R/CD-RW movie files.

Touch panel keys



When playing a disc containing a mixture of various media file types



- ① **Fast forward key/Reverse key**
Fast forwarding or reversing

Touch to change the fast forward and reverse speed.

- ② **Search key**
Starting the search function.
- ③ **Switch subtitle language key**
With DVDs/DivX files featuring multi-subtitle recordings, you can switch between subtitle languages during playback.
- ④ **Switch audio language key**
With DVDs/DivX files that provides audio playback in different languages and different audio systems (Dolby® Digital, DTS, etc.), you can switch between languages/audio systems during playback.
Depending on the setting, the video may not be played back with the audio system used to record the DVD.

- ⑤ **TOP MENU key**
Returning to the top menu during DVD playback.

- ⑥ **MENU key**
Displaying the DVD menu during DVD playback.

- ⑦ **Slow-motion playback key**
Moving the selection ahead one frame at a time during playback.
Touch and hold down the key for more than two seconds to slow down playback speed.
Touching the key increases the playback speed over four incremental settings during slow motion playback from DVD video/Video CD.

- ⑧ **Stop key**
Stopping playback.
If you resume playback, playback will start from the point where you stopped. Touch the key again to stop playback completely.

Disc (CD/DVD)

- ⑨ **Screen mode key**
Changing the screen mode.
Refer to *Changing the wide-screen mode* on page 10.

- ⑩ **Pause and play key**
Pausing playback.
Returning to normal playback during paused, stopped, slow motion, or frame-by-frame playback.

- ⑪ **Return key**
Returning to the specified scene to which the DVD currently being played has been programmed to return.
This function cannot be used if a specified scene has not been preprogrammed on the DVD disc.

- ⑫ **Bookmark key**
During playback, touch the point at which you want to resume playback the next time the disc is loaded.
 - You can set one bookmark per DVD video. You can set up to five bookmarks total.
 - To clear the bookmark on a disc, touch and hold the key during playback.
 - The oldest bookmark is replaced by the new one.

- ⑬ **Arrow key**
Displaying arrow keys to operate the DVD menu.

- ⑭ **Repeat key**
Selecting the repeat range.

- ⑮ **Viewing angle key**
With DVDs featuring multi-angle (scenes shot from multiple angles) recordings, you can switch among viewing angles during playback.

- ⑯ **Audio output key**
Switching the audio output, when playing video discs recorded with LPCM audio.

- ⑰ **Slow key**
Speeding down the playback speed in four steps, during slow motion playback on Video CD.
 - There is no sound during slow motion playback.
 - Images during slow motion playback may be unclear for some discs.
 - Reverse slow motion playback is not available.

- ⑱ **Media key**
Switching between media file types to play on DVD/CD.

Basic operations

Playing back videos	① Insert the disc into the disc loading slot with the label side up. Playback will automatically start. • If you are playing a DVD or Video CD, a menu may appear. Refer to <i>Operating the DVD menu</i> on page 18 and <i>PBC playback</i> on page 19. • When the automatic playback function is on, the unit will skip the DVD menu and automatically start playback from the first chapter of the first title. Refer to <i>Automatic playback of DVDs</i> on page 39. • When the source icon is not displayed, it can be displayed by touching the screen. • If a message is displayed after loading a disc containing DivX VOD content, touch Play. Refer to <i>Playing DivX® VOD content</i> on page 20.
Ejecting a disc	• Refer to <i>Ejecting a disc</i> on page 11.

Disc (CD/DVD)

Selecting a chapter using the buttons 1 Press ◀ or ▶ (TRK).	
Fast forwarding or reversing using the buttons 1 Press and hold ◀ or ▶ (TRK). - Fast forward/fast reverse may not always be possible on some discs. In such cases, normal playback will automatically resume. - The fast forward/fast reverse speed depends on the length of time you press and hold down ◀ or ▶ (TRK). This function is not available for Video CD.	

Notes

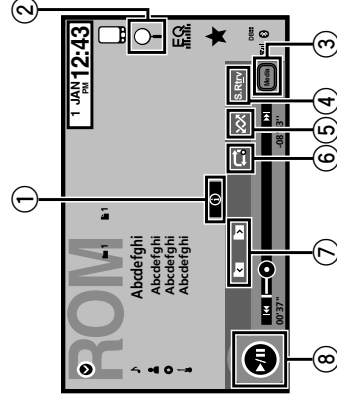
- This DVD player can play back a DivX file recorded on CD-R/RW, DVD-R/RW, or MPEG-1/MPEG-2/MPEG-4. (Please see the following section for files that can be played back. Refer to *DivX video files* on page 63.)
- Do not insert anything other than a DVD-R/RW or CD-R/RW into the disc loading slot.
- Some operations may not be available while watching a media due to the programming of the disc. In such cases, the  icon appears on the screen.
- There may be touch panel keys not listed under *Introducing movie operations* on page 17 that appear on the screen.
- Refer to *Indicator list* on page 61.
- With some DVDs, switching between languages/audio systems may only be possible using a menu display.
- You can also switch between languages/audio systems using **Video Setup** menu. For details, refer to *Setting the audio language* on page 37.
- This unit will return to normal playback if you change the audio language during fast forward/fast reverse, pause or slow motion playback.
- With some DVDs, switching between subtitle languages may only be possible using a menu display.

- You can also switch between subtitle languages using **Video Setup** menu. For details, refer to *Setting the subtitle language* on page 37.
- This unit will return to normal playback if you change the subtitle language during fast forward/fast reverse, pause or slow motion playback.
- During playback of a scene shot from multiple angles, the angle icon is displayed. Use the **Video Setup** menu to turn the angle icon display on or off. For details, refer to *Setting the multi-angle DVD display* on page 38.
- You will return to normal playback if you change the viewing angle during fast forward/fast reverse, pause or slow motion playback.

Sound playback operations

You can use this unit to listen to DVD-R/DVD-RW/CD/CD-R/CD-RW sound files.

Touch panel keys



1 Information key

Switching the text information to display on this unit when playing MP3/WMA/AAC files.

Disc (CD/DVD)

- ② **Search key**
 Displaying a list of track titles/file names to select songs on a CD.
 Displaying the file name list to select the files.

- ③ **Media key**
 Switching between media file types on a DVD or CD.

- ④ **Sound retriever key**
 Refer to *Using sound retriever* on page 10.

- ⑤ **Random key**
 Playing songs in random order.

- ⑥ **Repeat key**
 Selecting the repeat range.

- ⑦ **Previous folder key/Next folder key**
 Selecting a folder.

- ⑧ **Pause and play key**
 Pausing and starting playback.

Switching the media file type

When playing a digital media containing a mixture of various media file types, such as DivX, MPEG-1, MPEG-2, MPEG-4 and MP3, you can switch between media file types to play.

- Touch Media to switch media file types.**
 CD-DA (audio data)—Music/ROM (compressed audio)—Video (DivX, MPEG-1, MPEG-2, MPEG-4 video files)

Note

Audio data (CD-DA) files on DVD-R/RW/ROM cannot be played back on this unit.

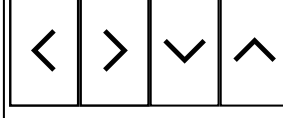
Operating the DVD menu

(Function for DVD video)
 Some DVDs allow you to make a selection from the disc contents using a menu.

Using the arrow keys

- 1 **Display arrow keys to operate the DVD menu.**

- 2 **Select the desired menu item.**



Selecting the desired menu item.

Enter

Starting playback from the selected menu item.

Touch

Operating the DVD menu by directly touching the menu item.



Back to previous display.

- When operating the DVD menu by directly touching the menu item, touch the icon to operate.

Key

Returning to the normal DVD video display.



Displaying arrow keys.

Disc (CD/DVD)

- Ways to display the menu will differ depending on the disc.
- Depending on the contents of the DVD disc, this function may not work properly. In such cases, use the touch panel keys to operate the DVD menu.

Random play (shuffle)

- **Touch the random key.**
 - **On** – Play back files in random order within the repeat range, **Folder** and **Disc**.
 - **Off** – Cancel random play.

Repeating playback

- **Touch the repeat key.**
 - **Disc** – Play through the current disc
 - **Chapter** – Repeat the current chapter
 - **Title** – Repeat the current title
 - **Track** – Repeat the current track
 - **File** – Repeat the current file
 - **Folder** – Repeat the current folder
 - **Disc/All** – Repeat all files in the current disc
 - **All** – Repeat all files

Notes

- This function cannot be operated during Video CD playback featuring PBC (playback control).
- If you perform chapter search, fast forward/reverse, frame-by-frame playback or slow motion playback, the repeat play will stop.
- When playing discs with compressed audio and audio data (CD-DA), playback is repeated within the type of data currently playing even if **Disc** is selected.
- If you select another folder during repeat play, the repeat play range changes to **Disc/All**.
- If you perform track search or fast forward/reverse during **File**, the repeat play range changes to **Folder**.

- If you perform title/chapter search or fast forward/reverse during **Chapter**, the repeat play is set to off automatically.
- If you perform track search or fast forward/reverse during **Track**, the repeat play range changes to **Disc**.
- When **Folder** is selected, it is not possible to play back a subfolder of that folder.

Searching for the part you want to play

You can use the search function to find the part you want to play.

- For DVD videos, you can select **Title** (title), **Chapter** (chapter) or **10key** (numeric keypad). For video CDs, you can select **Track** (track) or **10key** (numeric keypad).
- Chapter search is not available when disc playback is stopped.
 - This function cannot be operated during some DVD videos or Video CD playback featuring PBC (playback control).

1 Start the search function.

Refer to *Introducing movie operations* on page 17.

2 Touch the desired search option (e.g., Chapter).

3 Touch 0 to 9 to input the desired number.

- To cancel the entered numbers, touch **C**.

4 Start playback from the selected part.



Note

With discs featuring a menu, you can also use the DVD menu to make your selection.

Disc (CD/DVD)

Refer to *Introducing movie operations* on page 17.

Selecting audio output

When playing DVD video discs recorded with LPCM audio, you can switch the audio output.

- When playing video CDs, you can switch between stereo and monaural audio output.
- This function is not available when disc playback is stopped.

● Touch the audio output key to switch audio output types.

- **L+R** – Left and right
- **Left** – Left
- **Right** – Right
- **Mix** – Mixing left and right

Note

You may not be able to select or use this function depending on the disc and the playback location.

PBC playback

(Function for Video CDs)

During playback of Video CDs featuring PBC (playback control), **PBC On** is displayed.

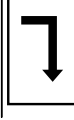
1 Start the search function.

Refer to *Introducing movie operations* on page 17.

2 Touch 10key to display the numeric keypad.

3 Touch 0 to 9 corresponding to a menu number.

4 Start playback from the selected part.



Registering the numbers and starting playback.

Notes

- You can display the menu by touching **Return** during PBC playback. For details, refer to the instructions provided with the disc.
- PBC playback of a Video CD cannot be canceled.
- During playback of Video CDs featuring PBC (playback control), you cannot select the repeat play range or use the search function.

Selecting tracks from the track title list

You can select tracks to playback using the track title list which is a list of the tracks recorded on a disc.

1 Display the track title list.

Refer to *Sound playback operations* on page 18.

2 Touch your favorite track title.

Playback begins.

Selecting files from the file name list

(Function for compressed audio/DivX/MPEG-1/MPEG-2/MPEG-4)

File name list is a list of file names (or folder names) from which you can select a file (or folder) to play back.

1 Touch the search key to display the file (or folder) name list.

Disc (CD/DVD)

2 Touch your favorite file (or folder) name.

- When you have selected a folder, a list of the names of the files (or the folders) in it can be viewed. Repeat this operation to select the desired file name.
- If folder **1** (ROOT) contains no files, playback starts from folder **2**.

Note

If part of the recorded information does not display, a scroll key appears on the right side of list. Touch the scroll key to scroll.

Playing DivX® VOD content

Some DivX video on demand (VOD) content may only be playable a fixed number of times. When you load a disc containing this type of content, the number of times it has been played will be shown on-screen. You can then decide whether or not to play the disc.

- For DivX VOD content without this restriction, you can load the disc into your player and play the content as often as you like, with no message displayed.
- You can confirm the number of times that the content can be played by checking the message, **This DivX rental has used** **out of** **views**.

Important

- In order to play DivX VOD contents on this unit, you first need to register the unit with your DivX VOD contents provider. For details on your registration code, refer to *Displaying the DivX® VOD registration code* on page 39.
- DivX VOD content is protected by a DRM (Digital Rights Management) system. This restricts playback of content to specific, registered devices.

iPod

iPod control

This manual applies to the following iPod models.

iPod with 30-pin connector

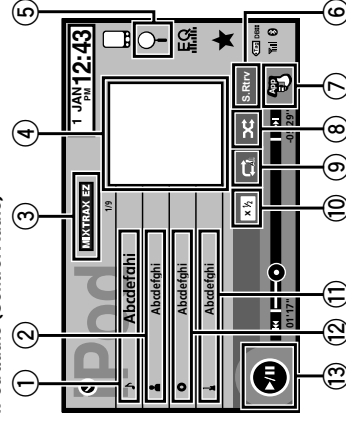
- iPod touch 4th generation
- iPod touch 3rd generation
- iPod touch 2nd generation
- iPod touch 1st generation
- iPod classic 160GB
- iPod classic 120GB
- iPod classic
- iPod with video
- iPod nano 6th generation
- iPod nano 5th generation
- iPod nano 4th generation
- iPod nano 3rd generation
- iPod nano 2nd generation
- iPod nano 1st generation
- iPhone 4S
- iPhone 4
- iPhone 3GS
- iPhone 3G
- iPhone

iPod with lightning connector

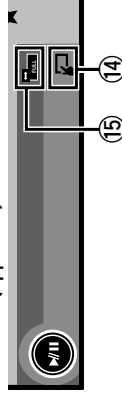
- iPod touch 5th generation
- iPod nano 7th generation
- iPhone 5

Touch panel keys

iPod audio (Control Audio)



iPod audio (App Mode)



1 Song title

Displaying the **Songs** list on the iPod.
The application name is displayed when you listen to music other than iPod music.
(Except for Pandora)

2 Artist name

Displaying the **Artists** list on the iPod.
The song title is displayed when you listen to music other than iPod music.
(Except for Pandora)

3 MIXTRAX EZ key

Starting MIXTRAX EZ.
Refer to *MIXTRAX EZ operation* on page 29.

4 Artwork

Starting link search on your iPod when you touch the artwork display.

Sound playback operations

You can use the unit to listen iPod sound files.

Notes

- The play time may not display correctly.
- Display is changed when you listen to music other than iPod music.
(Except for Pandora)

iPod

- ⑤ **Search key**
Displaying iPod menus.

- ⑥ **Sound retriever key**
Refer to *Using sound retriever* on page 10.

- ⑦ **iPod control mode key**
Conducting operation from your iPod and listening to it using your car's speakers.

- ⑧ **Shuffle key**
Playing songs on the iPod in random order.

- ⑨ **Repeat key**
Selecting the repeat range.

- ⑩ **Change speed key**
Changing the speed of audiobook playback on the iPod.

- ⑪ **Genre**
Displaying the **Genres** list on the iPod. The album title is displayed when you listen to music other than iPod music. (Except for Pandora)

- ⑫ **Album title**
Displaying the **Albums** list on the iPod. The artist name is displayed when you listen to music other than iPod music. (Except for Pandora)

- ⑬ **Pause and play key**
Pausing and starting playback.

- ⑭ **Unit operation key**
Performing operations from this unit and listening to the music on your iPod using your car's speakers.

- ⑮ **Screen mode key**
Changing the screen mode.

Sound playback operations for Bluetooth

(Function of AVH-X5600BHS/AVH-X4600BT/AVH-X3600BHS/AVH-X2600BT)

When all of the following settings are made, audio can be enjoyed on this unit using a Bluetooth connection.

1 Set Device connection.

Device connection can be set when all of the following conditions are met.

- The iPhone is not connected.
- No Bluetooth connection.
- The source is turned off.
- ① Turn the source off.

Refer to **Source off key** on page 7.

- ② Press the home button to switch to the home display.
- ③ Touch the system key to open the system menu.
- ④ Touch **Device connection** on the system menu.
- ⑤ Touch **iPhone via Bluetooth** to select.

2 Connect the iPhone and this unit via Bluetooth connection.

Refer to *Bluetooth connection menu* on page 45.

Note

Artwork will not be displayed when sound playback operations are performed using a Bluetooth connection.

Moving images operations

For iPod with 30-pin connector users

You can use the unit to view iPod movie files.

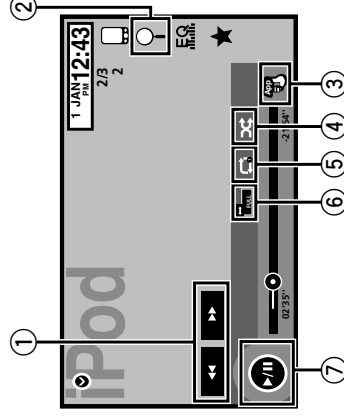
- Depending on your iPod, there may not be any output unless you use CD-IU201S/CD-IU201V (sold separately). Be sure to use CD-IU201S/CD-IU201V to connect your iPod.

For iPod with lightning connector users

iPod

- To play movie files in iPod with this unit, connect a CD-IV203 (sold separately) and Lightning Digital AV Adapter (Apple Inc. products) (sold separately) and install the CarMedia-Player app on your iPod. Refer to the CarMedia-Player manual for more information. Refer to *AppRadio Mode operation* on page 23.

Touch panel keys



① Fast forward key/Reverse key

Fast forwarding or reversing
Touch to change the fast forward and reverse speed.

- ② **Search key**
Displaying iPod menus.

③ iPod control mode key

Conducting operation from your iPod and listening to it using your car's speakers.

- ④ **Shuffle key**
Playing the video on your iPod in a random order.

- ⑤ **Repeat key**
Selecting the repeat range.

- ⑥ **Screen mode key**
Changing the screen mode.
Refer to *Changing the wide-screen mode* on page 10.

- ⑦ **Pause and play key**
Pausing playback.
Returning to normal playback during paused, slow motion, or frame-by-frame playback.

Basic operations

Playing back videos

- ① Touch the search key to pull up the iPod menus.
- ② Select a movie to play.
Refer to *Playing videos from your iPod* on page 22.
- When the source icon is not displayed, it can be displayed by touching the screen.
- Disconnect headphones from the iPod before connecting it to this unit.
- Depending on the iPod model and the amount of data stored in the iPod, it may take some time for playback to begin.
- Use the touch panel keys to select the iPod after connecting it to this unit.
- **No Device** is displayed when disconnecting the iPod.

Fast forwarding or reversing using the buttons

- ① Press and hold ◀ or ▶ (TRK).

Notes

- To ensure proper operation, connect the dock connector cable from the iPod directly to this unit.
- While the iPod is connected to this unit, the iPod cannot be turned on or off.
- Touch panel keys not listed under *Moving images operations* may appear on the display. Refer to *Indicator list* on page 61.

Using this unit's iPod function from your iPod

You can listen to sound from applications on your iPod using the car's speakers when **App Mode** is selected.

This function is not compatible with the following iPod models.

- iPod nano 1st generation
- iPod with video

Notes

- Video-related functions are not available to iPod with lightning connector users.
- While this function is in use, the iPod will not turn off even if the ignition key is turned off. Operate the iPod to turn off the power.

1 Touch the iPod control mode key to switch to App Mode.

2 Operate the connected iPod to select a video/song and play.

Notes

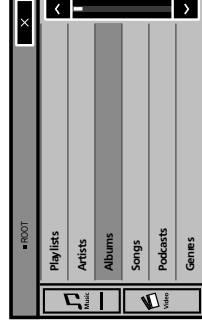
- The following functions are still accessible from the unit even if the control mode is set to **App Mode**.
However, the operation will depend on your applications.

- Playing/pausing
- Fast forwarding/reversing
- Tracking up/down
- Moving to a chapter up/down

- **App Mode** is compatible with the following iPod models.

- iPod touch 4th generation
- iPod touch 3rd generation
- iPod touch 2nd generation
- iPod touch 1st generation
- iPod classic 160GB
- iPod classic 120GB
- iPod classic
- iPod nano 6th generation

2 Switch to iPod video mode.

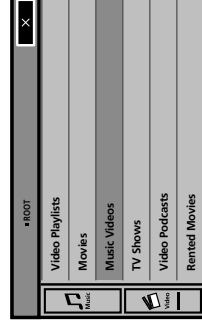


- If you want to switch to iPod video mode, touch the icon.



Switching to iPod video mode.

3 Play the video from the iPod.



- If you want to switch to iPod music mode, touch the icon.



Switching to iPod music mode.

Browsing for a video/music on the iPod

To make operating and searching easy, operations to control an iPod with this unit are designed to be as similar to the iPod as possible.

Note

Video-related functions are not available to iPod with lightning connector users.

Searching for a video/music by category

1 Touch the search key to pull up the iPod menus.

Refer to **Search key** on page 21.

2 Touch one of the categories in which you want to search for a video/music.

Category lists (for video)

- **Video Playlists** (video playlists)
- **Movies** (movies)
- **Music Videos** (music videos)
- **TV Shows** (TV shows)
- **Video Podcasts** (video podcasts)
- **Rented Movies** (rented movies)
- **Video iTunesU** (video iTunesU)

Category lists (for music)

- **Playlists** (playlists)
- **Artists** (artists)
- **Albums** (albums)
- **Songs** (songs)
- **Podcasts** (podcasts)
- **Genres** (genres)
- **Composers** (composers)
- **Audiobooks** (audiobooks)

3 Touch the title of the list that you want to play.

Repeat this operation until you find the desired video/music.

Notes

- Depending on the generation or version of the iPod, some functions may not be available.
- You can play playlists created with the computer application (MusicSphere). The application will be available on our website.

Shuffle play

- **Touch the shuffle key.**
 - **Songs** – Play back videos/songs in the selected list in random order.
 - **Albums** – Play back videos/songs from a randomly selected album in order.
 - **Off** – Turn off shuffle play.

Repeating playback

- **Touch the repeat key.**
 - **One** – Repeat just the current video/song
 - **All** – Repeat all videos/songs in the selected list on the iPod

Playing videos from your iPod

Videos can be played on this unit if an iPod with video capabilities is connected.

- This unit can play back "Movies", "Music videos", "TV show", "Video Podcast" and "Rented Movies" which are downloaded from the iTunes store.

Note

This function is not available to iPod with lightning connector users.

1 Touch Search to display iPod menus.

Refer to **Search key** on page 21.

AppRadio Mode

Changing audiobook speed

- Touch the **change speed** key to change the speed.

× 2

Playback at a speed faster than normal

× 1

Playback at normal speed

× 1/2

Playback at a speed slower than normal

Displaying lists related to the song currently playing (link search)

Touch the artwork to open a list of the names of songs on the album currently playing. Touch the name of the song you want to play to start playing that song.

Note

If part of the recorded information does not display, a scroll key appears on the right side of list. Touch the scroll key to scroll.

iPod

- Playlists that you created with the computer application (MusicSphere) are displayed in abbreviated form.

Searching the list by alphabet

- 1 **Select a category.**
Refer to *Searching for a video/music by category* on page 22.

- 2 **Switch to alphabet search mode.**



Switching to alphabet search mode.

Alphabet search mode is displayed.

- 3 **Touch the first letter of the title of the video/song you are looking for.**

While searching, touch panel key operation is not available.

- To refine the search with a different letter, touch **Cancel**.

- 4 **Touch the title of the list that you want to play.**

Repeat this operation until you find the desired song/video.

AppRadio Mode operation
This system can switch to the **AppRadio Mode**, which you can display and operate the application for iPhone on the screen.

In **AppRadio Mode**, you can operate applications with finger gestures such as tapping, dragging, scrolling or flicking on the screen of the system.

Install the AppRadio app on your iPhone.



WARNING

Certain uses of an iPhone or smartphone may not be legal while driving in your jurisdiction, so you must be aware of and obey any such restrictions.

If in doubt as to a particular function, only perform it while the car is parked.

No feature should be used unless it is safe to do so under the driving conditions you are experiencing.



CAUTION

While driving, you cannot enter text on your iPod.

- Pioneer is not liable for any issues that may arise from incorrect or flawed app-based content.
- The content and functionality of the supported applications are the responsibility of the App providers.
- In **AppRadio Mode**, functionality through the product is limited while driving, with available functions determined by the App providers.
- Availability of **AppRadio Mode** functionality is determined by the App provider, and not determined by Pioneer.
- **AppRadio Mode** allows access to applications other than those listed (subject to limitations while driving), but the extent to which content can be used is determined by the App providers.



Important

- When listening to music and sounds from application simultaneously, see the following section. Refer to *Operating the sound mixer* on page 48.

Notes

- Applications operable by switching this system to **AppRadio Mode** are only those available for **AppRadio Mode**.
- Please check iPhone applications supported

AppRadio Mode at

<http://www.pioneerelectronics.com/>

AppRadio Mode

in Canada

<http://www.pioneerelectronics.ca/>

AppRadio Mode

iPhone compatibility

AppRadio Mode is compatible with the following iPod models.

- iPod touch 5th generation (only with AVH-X5600BHS/AVH-X4600BT/AVH-X3600BHS/AVH-X2600BT)

AppRadio Mode

- iPod touch 4th generation
- iPhone 5 (only with AVH-X5600BHS/AVH-X4600BT/AVH-X3600BHS/AVH-X2600BT)
- iPhone 4S
- iPhone 4

Starting procedure

- 1 Install the AppRadio app on your iPhone.

2 Set Device connection.

Device connection can be set when all of the following conditions are met.

- The iPhone is not connected.
 - No Bluetooth connection.
 - The source is turned off.
- 1 Turn the source off.
Refer to **Source off key** on page 7.
 - 2 Press the home button to switch to the home display.
 - 3 Touch the system key to open the system menu.
 - 4 Touch **Device connection** on the system menu.
 - 5 Touch the desired setting.
 - **iPhone via Bluetooth** (for iPod with lightning connector users)
 - **iPhone via USB** (for iPod with 30-pin connector users)

- 3 After configuring Device connection, connect the iPhone to this unit.

■ For iPod with lightning connector users

(Function of AVH-X5600BHS/AVH-X4600BT/AVH-X3600BHS/AVH-X2600BT)

- A Bluetooth connection is required for iPod with lightning connector. Refer to *Bluetooth connection menu* on page 53.
- Use the CD-IV203 (sold separately) and Lightning to VGA adapter (Apple Inc. products) (sold separately) when you use this function.
- Refer to *When connecting with optional CD-IV203 cable* on page 52.

AppRadio Mode

- The language preference for the keyboard of this system should be same as the setting on your iPhone.

If the settings for this product and the

iPhone are different, you may not be able to enter characters properly.

- 1 Press the home button twice to switch from the AppRadio Mode display to the home display.

- 2 Touch the system key to open the system menu.

- 3 Touch **Keyboard** on the System menu to select desired language.

- 4 Touch the desired language.

French (French)—**German** (German)—**Greek** (Greek)—**Russian** (Russian)—**English** (US English)—**English (UK)** (UK English)—**Dutch** (Dutch)—**Italian** (Italian)—**Norwegian** (Norwegian)—**Swedish** (Swedish)—**Finnish** (Finnish)—**Spanish** (Spanish)—**Portuguese** (Portuguese)—**Chinese(Simplified)** (Simplified Chinese)—**Chinese(Traditional)** (Traditional Chinese)—**Arabic** (Arabic)—**Hebrew** (Hebrew)—**Thai** (Thai)

- 5 Tap the text input area on the application screen of the iPhone.

Touch  to hide the keyboard.

- **For iPod with 30-pin connector users**

- Use the CD-IV201S (sold separately) when you use this function.
- Refer to *When connecting with optional CD-IV201S cable* on page 53.

- 4 Start an application available for AppRadio Mode from the iPhone.

An image of the application is displayed on the screen of this system.

- You can start an application available for AppRadio Mode also from a launcher application.

- 5 Press **MODE**.

- Press the home button to switch to the home display and then touch the **Apps** key to start the launcher application.

- 6 Operate the application.

Setting the Keyboard



For your safety, the keyboard functionality is only available when the vehicle is stopped and the parking brake is engaged.

Depending on the application, you can input text on the display. In order to input text correctly using keyboard which appears on this unit, you need to set the language setting in this function. When the **AppRadio Mode** is used, the language setting for the keyboard set for the function and the language setting for the iPhone keyboard need to be the same.

- Keyboard is available only in **AppRadio Mode**.

When you tap a text input area of an application for iPhone, a keyboard will be displayed on-screen. You can input the desired text directly from this system.

Smartphone link adaptor operations

You can operate your smartphone on the unit's display by using this function.

Only compatible smartphones work with the MirrorLink function.

- For details on how to connect with smartphone link adaptor (CD-ML100) (sold separately), refer to *Optional Smartphone link adaptor (CD-ML100) connection* on page 53.
- For details about MirrorLink setting, refer to *Selecting MirrorLink Mode* on page 40.
- For details about the sound mixer, refer to *Operating the sound mixer* on page 48.

- You must agree to obey the above rule on the caution screen. Be sure to follow the on-screen instructions.

Starting procedure

1 Connect your smartphone to the smartphone link adaptor (CD-ML100) (sold separately) with the RGB input.

2 Press MODE.

- Press the home button to switch to the home display and then touch the **MirrorLink** key to start the launcher application.
- The smartphone's screen appears on the unit's display when you select MirrorLink and you can then operate your smartphone on the display.

3 Operate the application.

- Press home button: Displays the home screen for MirrorLink.
- Press home button twice: Displays the home screen for the unit.
- Press **▶ (TRK)**: Displays the menu screen for MirrorLink.
- Press **◀ (TRK)**: Displays the previous screen for MirrorLink.

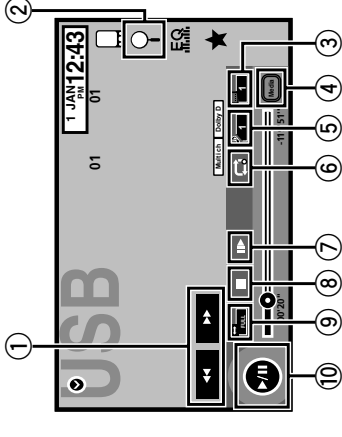
For details, refer to *Head unit* on page 7.

- You can operate the applications on the touch panel screen as well as on your smartphone screen.

CAUTION

- Do not operate your smartphone while driving. Obey all relevant laws in your area.

Touch panel keys



① Fast forward key/Reverse key

Fast forwarding or reversing
Touch to change the fast forward and reverse speed.

② Search key

Displaying the file name list to select the files.

③ Switch subtitle language key

With DivX files featuring multi-subtitle recordings, you can switch between subtitle languages during playback.

④ Media key

Switching between media file types to play on Music/Video/Photo.

⑤ Switch audio language key

With DivX files that provides audio playback in different languages and different audio systems (Dolby Digital, DTS, etc.), you can switch between languages/audio systems during playback.

⑥ Repeat key

Selecting the repeat range.

Moving images operations

(Function of USB MSC)

You can use this unit to view USB storage device files.

	USB MSC	USB MTP
MP3	✓	✓
WMA	✓	✓
WAV	✓	—
AAC	✓	✓
DivX	✓	—
MPEG-1	✓	—
MPEG-2	✓	—
MPEG-4	✓	—
JPEG	✓	—
Music browse mode	✓	—
MIXTRAX EZ	✓	—

USB

- Touch panel keys not listed under *Moving images operations* may appear on the display. Refer to *Indicator list* on page 61.

- If the characters recorded on the USB storage device are not compatible with this unit, those characters will not be displayed.

Switching between media file types to play on USB.

1 Press and hold **◀** or **▶** (**TRK**).

- This function is not available when the USB storage device is locked.

USB

- This function is not available when the free space of USB storage device is less than 5MB.
- While this unit creates an index, do not turn the unit off. It may cause loss of data on your USB storage device.
- If you switch to video or JPEG image display while a database is being created, or when a database could not be created, a message appears and database creation stops.

1 Touch DB to create a database in Music browse mode.

Refer to *Sound playback operations* on page 26.

2 When "Save the Database to memory?" is displayed, touch "Yes".

Saving of the database is completed. If you do not save it, touch "No".
When the saving is completed, "Completed saving Database to memory." appears.
Music browse mode will start.

3 Display a list and touch the tag key.

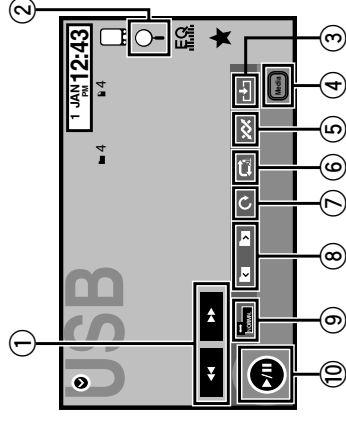
4 Select a file.

Still image playback operations

(Function for USB MSC)

You can use this unit to view still images saved on a USB storage device.

Touch panel keys



- 1 **Fast forward key/Reverse key**
Selecting a picture.
- 2 **Search key**
Displaying the file name list to select the files.
- 3 **Capture key**
Capturing an image in JPEG files.
- 4 **Media key**
Switching between media file types when there is more than one media file type saved to the USB device. This key does not appear if there is only one media file type saved to the USB device.
- 5 **Random key**
Playing files in a random order.
- 6 **Repeat key**
Selecting the repeat range.
- 7 **Rotate key**
Rotating the displayed picture 90° clockwise.

⑧ Previous folder key/Next folder key

Selecting a folder.

⑨ Screen mode key

Changing the screen mode.

Refer to *Changing the wide-screen mode* on page 10.

⑩ Pause and play key

Starting or pausing the slideshow.

Basic operations

Playing still images

- 1 Connect the USB device.

Playback will automatically start.

- When the source icon is not displayed, it can be displayed by touching the screen.

Selecting a file using the buttons

- 1 Press ◀ or ▶ (TRK).

Fast file searching

- 1 Press and hold ◀ or ▶ (TRK).

- You can search 10 JPEG files at a time. If there are fewer than 10 files, the search will cover the first or last file.

Notes

- Files are played back in file number order and folders are skipped if they contain no files. (If folder 1 (ROOT) contains no files, playback commences with folder 2.)
- Touch panel keys not listed under *Still image playback operations* may appear on the display. Refer to *Indicator list* on page 61.

Switching the media file type

- **Touch Media to switch between media file types.**

Random play (shuffle)

• Touch the random key.

- **On** – Play back files in random order within the repeat range. **Folder** and **Media**.
- **Off** – Cancel random play.

Repeating playback

• Touch the repeat key.

- **Folder** – Repeat the current folder
- **All** – Repeat all files
- When **Folder** is selected, it is not possible to play back a subfolder of that folder.
- If you select USB source, the repeat play range changes to **All**.

Selecting files from the file name list

(Function for compressed audio/DivX/MPEG-1/MPEG-2/MPEG-4)

Operation is the same as that for Disc.

Refer to *Selecting files from the file name list* on page 19.

Displaying lists related to the song currently playing (link search)

Touch the artwork to open a list of the names of songs on the album currently playing. Touch the name of the song you want to play to start playing that song.

Notes

- If part of the recorded information does not display, a scroll key appears on the right side of list. Touch the scroll key to scroll.
- This function is available for USB devices in Music browse mode.

Playing DivX® VOD content

Operation is the same as that for Disc.
Refer to *Playing DivX® VOD content* on page 20.

Capture an image in JPEG files

You can capture image data and use it as wallpaper. Images can be stored and recalled easily in this unit.

- Only one image can be stored on this unit. Old image is overwritten with the new one.

1 Touch **►/II** to pause the slide show when the desired image is displayed.

2 Touch **Capture** to capture the desired image.

3 When "Do you save this image?" is displayed, touch **Yes**.

While storing the image to this unit, "Saving the image. During the save, please don't turn off the engine." is displayed. When the process is finished, "Image saved." is displayed.

- To cancel the storage process, touch **No**.

Bluetooth Audio

Sound playback operations

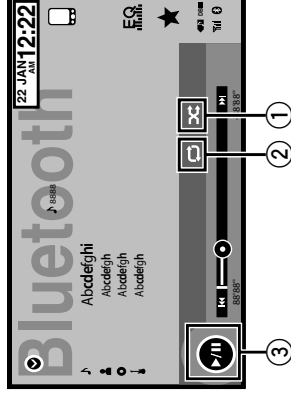
(Function of AVH-X5600BHS/AVH-X4600BT/AVH-X3600BHS/AVH-X2600BT)

You can use this unit to listen to Bluetooth audio files.

Notes

- Depending on the Bluetooth audio player connected to this unit, the available operations will be limited to the following two levels:
 - A2DP profile (Advanced Audio Distribution Profile): You can only playback songs on your audio player.
 - AVRCP profile (Audio/Video Remote Control Profile): You can perform playback, pause playback, select songs, etc.
- As there is a wide variety of Bluetooth audio players available on the market, operations available with specific models may vary extensively. When attempting to run a Bluetooth audio player using this unit, refer to the instruction manual that came with the player as well as to this manual for assistance.
- As the signal from your cellular phone may cause noise, avoid using it when you are listening to songs on your Bluetooth audio player.
- The sound from a Bluetooth audio player connected to this unit will be muted while a call is in progress on a cellular phone connected to this unit via Bluetooth wireless technology.
- The play time may not display correctly.
- Depending on the type of Bluetooth audio player you have connected to this unit, operation and information display may not be available for some functions.

Touch panel keys



- 1 Random key**
Playing songs in random order.
- 2 Repeat key**
Selecting the repeat range.
- 3 Pause and play key**
Pausing and starting playback.

Setting up for Bluetooth audio

Before you can use the Bluetooth audio function you must establish a Bluetooth wireless connection between the unit and your Bluetooth audio player.

1 Connection

First, you need to connect a Bluetooth audio to this unit.

For detailed instructions on connecting your Bluetooth audio to this unit via Bluetooth wireless technology, refer to *Bluetooth connection menu* on page 45.

Bluetooth Audio

Notes

- When playing back files recorded as VBR (variable bit rate) files, the play time will not be correctly displayed if fast forward or reverse operations are used.
- To ensure proper operation, connect the dock connector cable from the iPod directly to this unit.
- While the iPod is connected to this unit, the iPod cannot be turned on or off.
- If the characters recorded on your Bluetooth audio player are not compatible with this unit, those characters will not be displayed.
- Text information may not be correctly displayed depending on the recorded environment.

Random play (shuffle)

- **Touch the random key.**
 - **On** – Play back files in random order.
 - **Off** – Cancel random play.

Repeating playback

- **Touch the repeat key.**
 - **One** – Repeat the current song only
 - **All** – Repeat all songs

Using MIXTRAX

MIXTRAX operation

MIXTRAX is original technology for creating non-stop mixes of selections from your audio library, complete with DJ effects that make them sound as if a DJ is right there with you playing the music.

MIXTRAX EZ operation

You can use this unit to play iPod/iUSB audio files.

MIXTRAX EZ is used to add a variety of sound effects between songs for arranging the pauses between songs. It allows you to enjoy listening to music non-stop.

- This function is only available when a file on a USB storage device or a song on an iPod is being played.
- This function is not available when the control mode is set to **App Mode**.
- Depending on the file/song, sound effects may not be available.
- Depending on the file/song, non-stop playback may not be available.

Note

You cannot use this function with USB MTP.

Starting MIXTRAX EZ operation

- **Touch MIXTRAX EZ.**
Refer to **MIXTRAX EZ key** on page 20 and 26.

Setting MIXTRAX mode

Turn on this function to play back audio files using MIXTRAX.

- 1 **Press the home button to switch to the home display.**

- 2 **Touch the system key to open the system menu.**

- 3 **Touch MIXTRAX Setup on the system menu.**

MIXTRAX setting items are displayed.

- **Short Playback Mode** – When turned on, select an audio track playback length.
60s (60 sec.)—**90s** (90 sec.)—**120s** (120 sec.)—**150s** (150 sec.)—**180s** (180 sec.)—**Random** (random)—**Off** (off)

When **Random** is selected, the playback time varies between 60 s, 90 s, 120 s, 150 s, and 180 s selected at random when the playback song changes.

- **Display Effect** – When **Display Effect** is set to on, the artwork display can be moved according to the music type.
- **Cut-In Effect** – When **Cut-In Effect** is set to on, sound effects will play between tracks.
- **Effect Setting** – Use **Effect Setting** to set up the sound effect you want to insert between tracks.

Setting the effect

You can change the settings for fixed sounds and sound effects.

There are six different fixed sounds available that can be inserted for playback between tracks.

The sound effects are used as effects to signal the end of a song being played and the beginning of the next song in series.

The fixed sounds and sound effects are set as combinations as MIXTRAX sounds.

Fixed sounds

- **Phaser** – A fixed sound that sounds like surging waves.
- **Roll** – A fixed sound that repeats playback of a certain sound.

Using MIXTRAX®

- **Turntable** – A fixed sound that mimics DJ scratching.
- **Flanger2** – A rushing sound that mimics that rising and falling sounds of a jet engine.
- **Reverb** – A fixed sound effect that creates a reverberation effect.
- **Echo2** – A fixed sound effect that creates an echoing effect.

Sound effects

- **Cross Fade** – A sound effect that creates a fade in and fade out effect between songs.
- **Flanger1** – A rushing sound that mimics that rising and falling sounds of a jet engine.
- **Echo1** – A sound effect that creates an echoing effect.
- **Loop** – A sound effect that repeats playback of one section of a song track.

Note

Cross Fade cannot be selected for iPod audio files.

Setting sounds and sound effects as presets using the preset key

The **Standard** and **Simple** sound effects are set already as default presets.

- **Touch Standard or Simple to check the settings.**

The registered preset sound effect for the key that was touched is set as a preset.

Registering sounds and sound effects as presets

Registers a desired combination of sounds and sound effects to **Custom**.
Touch **Custom** to easily set the desired sound or sound effect.

- 1 **Touch Custom.**

Streaming Pandora®

Pandora operations

For iPhone users

- Connect an iPod to USB input.
- Set **Pandora Connection to iPhone.**
(Function of AVH-X5600BHS/AVH-X4600BT/AVH-X3600BHS/AVH-X2600BT)
(This setting is not required for AVH-X1600DVD.)

For smartphone users

- (Function of AVH-X5600BHS/AVH-X4600BT/AVH-X3600BHS/AVH-X2600BT)
- Set **Pandora Connection to Android.**
- A Bluetooth connection is required for Android devices. Refer to *Bluetooth connection menu* on page 45.

Important

Requirements to access Pandora using the Pioneer car audio/video products:

Connect an iPod to USB input or an Android device using Bluetooth to play Pandora on this unit.

- Please update the firmware of the Pandora application to the latest version before use.
- The latest version of the Pandora application can be downloaded on iTunes App Store and Google Play.
- Create a free or a paid account online. You can create the account in the Pandora application from your iPhone or on the website. The URL in the following:
<http://www.pandora.com/register>
- If the Data Plan for your iPhone does not provide for unlimited data usage, additional charges from your carrier may apply for accessing the Pandora service via 3G and/or EDGE networks.
- You need to connect to the Internet via 3G, EDGE or Wi-Fi network to use the service from Pandora.

Limitations:

- Depending on the availability to the Internet, you may not be able to receive Pandora service.

- Pandora service is subject to change without notice. The service could be affected by any of the following: firmware versions of iPhone, firmware versions of Pandora application, changes to the Pandora music service.
- Certain functions of the Pandora service are not available when accessing the service through the Pioneer car audio/video products. They include, but not limited to the following: creating new stations, deleting stations, sending information about current stations, buying tracks from iTunes, viewing additional text information, logging in to Pandora, adjusting Call Network Audio Quality.

Pandora internet radio is a music service not affiliated with Pioneer. More information is available at <http://www.pandora.com>.

The Pandora mobile application is available for most iPhone and smartphone, please visit www.pandora.com/anywhere/mobile for the latest compatibility information.

Setting the Pandora connect mode

(Function of AVH-X5600BHS/AVH-X4600BT/AVH-X3600BHS/AVH-X2600BT)

Note

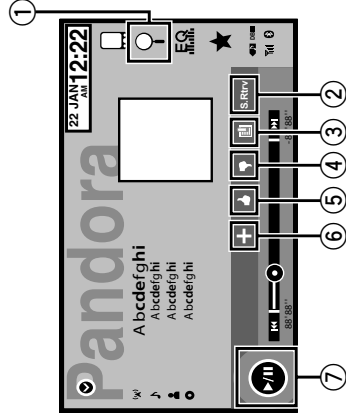
This function is not available when

Device connection is set to **iPhone via Bluetooth**.

- 1 **Press the home button to switch to the home display.**
- 2 **Touch the system key to open the system menu.**
- 3 **Touch Pandora Connection repeatedly until the desired setting appears on the screen.**
iPhone: An iPhone is connected using an actual cable.

Android: An Android device is connected using Bluetooth.

Touch panel keys



- ① **Search key**
Displays the shuffle/station list. Select the desired station or shuffle mode.
- ② **Sound retriever key**
(Only available on iPod)
Refer to *Using sound retriever* on page 10.
- ③ **Bookmark key**
Stores track information (Bookmark).
Bookmarks are viewable in your profile.
- ④ **Thumbs-down key**
Giving a "thumbs-down" tells Pandora you do not like the current track. Pandora will skip to the next track, and will not play that track on the station again.
- ⑤ **Thumbs-up key**
Giving a "thumbs-up" tells Pandora that you like the current track. Pandora will continue to play that track and tracks like it on the station.
- ⑥ **Add station key**
A new station is created.

- ⑦ **Pause and play key**
Pausing and starting playback.

Basic operations

Playing tracks ① Connect an iPhone to USB input. For an Android device, a Bluetooth connection is required as well. Refer to <i>Pandora operations</i> on page 30. ② Switch the source to Pandora.	
Skipping tracks ① Press ▶ (TRK).	
Add station A new station will be created from the information for the artist or track of the station currently being played. ① Touch the Add station key. ② Touch Track (from track) or Artist (from artist). A new station is created. • To cancel the Add station, touch Cancel.	
Deleting stations ① Display the shuffle/station list. ② Touch the Delete station key. ③ Touch Yes. The station will be deleted. • To cancel, touch No.	

Notes

- Touch panel keys not listed under *Pandora operations* may appear on the display.
Refer to *Indicator/list* on page 61.
- Pandora limits the number of skips allowed on their service. If you attempt to skip tracks beyond the limit, "**Skip limit reached.**" is displayed. If you have reached the skip limit and you give a "thumbs-down", the current track will continue to play, but your feedback will be registered.
- When the **Connect** key is displayed, manually connect a registered Bluetooth device.

Selecting and playing Pandora® stations/shuffle

Touch the list for your Pandora stations to select one of them to play.

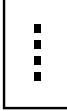
- 1 **Display the shuffle/station list.**
Refer to **Search key** on page 31.
- 2 **Change the sort order.**



You can sort the items in the list alphabetically.



You can sort the items in the list in order of the dates on which the items were created.



You can scroll the titles in the list while you touch and hold down the scroll icon.

- 3 **Select shuffle or the desired station.**



Shuffle mode will play tracks from your selected stations. You can edit shuffle preferences on your mobile device.

Adding a station from the station list

- 1 **Touch Genre in the station list.**
- 2 **Touch the station in the genre list that you wish to add.**
- 3 **A new station is created.**

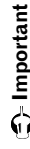
Note

Stations indicated by  are shared stations.

Bluetooth telephone

Bluetooth telephone operations

(Function of AVH-X5600BHS/AVH-X4600BT/AVH-X3600BHS/AVH-X2600BT)
You can use Bluetooth telephone.

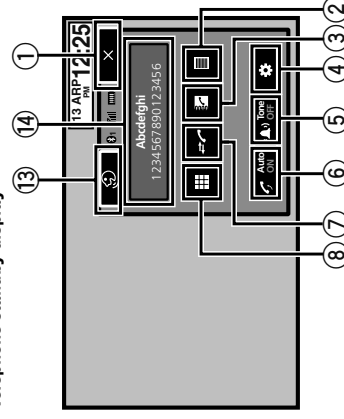


Important

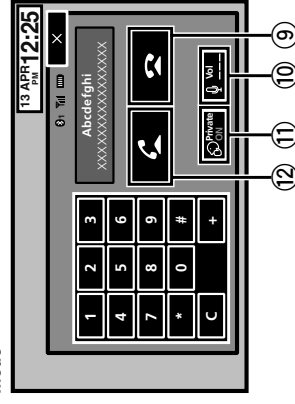
- Leaving the unit on standby to connect to your phone via Bluetooth while the engine is not running can drain the battery.
- Advanced operations that require attention such as dialing numbers on the monitor, using the phone book, etc., are prohibited while driving. Be sure to park your vehicle in a safe place and apply the parking brake before proceeding.
- Bluetooth connection menu cannot be selected while driving.
- Operations available may be limited depending on the cellular phone connected to this unit.
- If you are unable to complete the connection using this unit, use the device to connect to the unit.
- If you connect more than one device at a time, connected device may not operate properly. Connecting one device at a time is recommended.

Touch panel keys

Telephone standby display



When switching to the entering phone number mode



- Close key**
Display is closed.
- Preset dial key**
Displaying the preset dial screen.
- Phone book key**
Switching to the phone book mode.
- Setting key**
Displaying the Bluetooth connection menu.

Bluetooth telephone

⑤ Tone key

Turning the ring tone for incoming calls on or off.

⑥ Auto-answer key

Turning automatic answering on or off.

⑦ History key

Switching to the missed, received and dialed call lists.

⑧ Key pad key

Switching the mode to enter the phone number directly.

⑨ On-hook key

Ending a call.
Rejecting an incoming call.
Canceling call waiting.

⑩ Volume key

Adjusting the other party's listening volume.

⑪ Private mode key

Turning private mode on or off.

⑫ Off-hook key

Accepting an incoming call.
Making a phone call, when selecting a phone number.
Switching between callers on hold.

⑬ Voice control key

Notes

- Private mode can only be operated while you are talking on the phone.
- To end the call, both you and the other caller must hang up your phones.
- Touch panel keys not listed under *Bluetooth telephone operations* may appear on the display. Refer to *Indicator list* on page 61.

Text information

⑭ Incoming call notice

Indicates that an incoming call has been received and has not been checked yet.

- Not displayed for calls made when your cellular phone is disconnected from this unit.

Setting up for hands-free phoning

① Connection

First, you need to connect a Bluetooth telephone to this unit.

For detailed instructions on connecting your phone to this unit via Bluetooth wireless technology, refer to *Pairing from this unit* on page 45.

② Volume adjustment

Adjust the earpiece volume of your cellular phone to your preference. The unit will record the adjusted volume level as the default setting.

Notes

- The volume of the caller's voice and ring tone may vary depending on the type of cellular phone.
- If there is a large volume difference between the ring tone and caller's voice, the overall volume level may become unstable.
- Make sure to adjust the volume to a proper level before disconnecting the cellular phone from the unit. If the volume is muted (zero level) on your cellular phone, the volume level of your cellular phone remains muted even after the cellular phone is disconnected.

Bluetooth telephone

Calling a number in the phone book

The contacts on your phone will normally be transferred automatically when the phone is connected. If it is not, use your phone menu to transfer the contacts. The visibility of this unit should be on when you use the phone menu. Refer to *Switching visible unit* on page 46.

After finding the number you want to call in the phone book, you can select the entry and make the call.

- 1 Touch the phone book key to switch to the phone book mode.

- 2 Select the phone number list.

The detailed phone number list of the selected entry is displayed.

- 3 Select the phone number.

- If you want to store the phone number, touch and hold the list.

- 4 Touch the off-hook key to make the call.

- 5 Touch the on-hook key to end the call.

Note

The contacts on your phone will normally be transferred automatically when the phone is connected. If it is not, use your phone menu to transfer the contacts. The visibility of this unit should be on when you use the phone menu. Refer to *Switching visible unit* on page 46.

Selecting a number by alphabet search mode

If a lot of numbers are registered in the phone book, you can search for the phone number by alphabet search mode.

- 1 Touch the phone book key to switch to the phone book mode.

- 2 Touch ABC to switch to alphabet search mode.

- 3 Touch the first letter of the entry you are looking for.

The Phone Book entries starting with that letter (e.g. "Ben", "Brian" and "Burt" when "B" is selected) will be displayed.

- The order of the first name and last name may be different from that of the cellular phone.

- 4 Touch the list to display the phone number list of the selected entry.

- If several phone numbers are included in an entry, select one by touching the list.
- If you want to switch to the call history list, touch the icon.



Switching to the call history list.

- 5 Touch the off-hook key to make the call.

- 6 Touch the on-hook key to end the call.

Inverting names in phone book

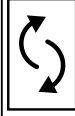
When your cellular phone is connected to this unit, the first and last names of your contacts may be registered to the phone book in reverse order. You can use this function to change the order back.

(Inverting the names in the phone book)

- 1 Touch the phone book key to switch to the phone book mode.

Bluetooth telephone

- 2 Invert names in phone books.



Inverting names in phone books.

- 3 "Would you like to invert all names?" appears. Touch Yes to continue.

- While the names are inverted,  is displayed.
- If the inversion fails, "Invert Name Error" appears. In such cases, try again from the beginning.

Note

Inverting the names of your contacts from this unit does not affect the data on your Bluetooth device.

Using the missed, received and dialed call lists

The 80 most recent calls dialed, received, and missed are stored in the memory. You can browse them and call numbers from these lists.

- 1 Touch the history key to display the call history list.

- 2 Select Missed Calls, Dialed Calls or Received Calls.



Displaying the received call list.



Displaying the dialed call list.



Displaying the missed call list.

- 3 Touch the list number to select a phone number.

Name and phone number are displayed in the detailed list.

- If you want to store the phone number, touch and hold the list.

- 4 Touch the off-hook key to make the call.

- 5 Touch the on-hook key to end the call.

Setting automatic answering

If this function is on, this unit automatically answers all incoming calls.

- Touch the auto-answer key to turn automatic answering on or off.

Adjusting the other party's listening volume

To maintain the good sound quality, this unit can adjust the other party's listening volume. If the volume is not loud enough for the other party, use this function.

- Touch the volume key to select Far-End VOL.

1—2—3

- This function can be performed even while talking on the phone.
- Settings can be stored for each device.

Switching the ring tone

You can select whether or not to use this unit's ring tone. If this function is set to on, the ring tone for this unit will sound.

- 1 Connect your cellular phone to this unit.