RDS MEDIA CENTER RECEIVER
AUTORADIO MULTIMEDIA RDS
RICEVITORE MULTIMEDIALE CON RDS
RECEPTOR Y CENTRO DE COMUNICACIONES RDS
RDS-MULTIMEDIA-EMPFÄNGER
RDS MEDIA CENTER ONTVANGER
ЦИФРОВОЙ МЕДИА-РЕСИВЕР

Pioneer

MVH-350BT
MVH-150UI

Owner's Manual
Mode d'emploi
Manuale d'istruzioni
Manual de instrucciones
Bedienungsanleitung
Handleiding
Руководство пользователя

Made for
iPod iPhone

Bluetooth®

Before you start

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

Manufacturer:	EU Representative's:
Pioneer Corporation	**Pioneer Europe NV**
1-1, Shin-ogura, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0031, JAPAN	Haven 1087, Keetberglaan 1, B-9120 Melsele, Belgium/Belgique
	http://www.pioneer.eu

CE

English:
Hereby, Pioneer, declares that this MVH-350BT is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Suomi:
Pioneer vakuuttaa täten että MVH-350BT tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

Nederlands:
Hierbij verklaart Pioneer dat het toestel MVH-350BT in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG

Français:
Par la présente Pioneer déclare que l'appareil MVH-350BT est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE

Svenska:
Härmed intygar Pioneer att denna MVH-350BT står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Dansk:
Undertegnede Pioneer erklærer herved, at følgende udstyr MVH-350BT overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF

Deutsch:
Hiermit erklärt Pioneer, dass sich dieses MVH-350BT in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet". (BMWi)

Ελληνικά:
ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Pioneer ΔΗΛΩΝΕΙ ΟΤΙ MVH-350BT ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ

Italiano:
Con la presente Pioneer dichiara che questo MVH-350BT è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

Español:
Por medio de la presente Pioneer declara que el MVH-350BT cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE

Português:
Pioneer declara que este MVH-350BT está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

Čeština:
Pioneer tímto prohlašuje, že tento MVH-350BT je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES

Eesti:
Käesolevaga kinnitab Pioneer seadme MVH-350BT vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

Magyar:
Alulírott, Pioneer nyilatkozom, hogy a MVH-350BT megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.

Latviešu valoda:
Ar šo Pioneer deklarē, ka MVH-350BT atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.

Lietuvių kalba:
Šiuo Pioneer deklaruoja, kad šis MVH-350BT atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.

Malti:
Hawnhekk, Pioneer jiddikjara li dan MVH-350BT jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC

Slovenčina:
Pioneer týmto vyhlasuje, že MVH-350BT spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.

Slovenščina:
Pioneer izjavlja, da je ta MVH-350BT v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.

Română:
Prin prezenta, Pioneer declara ca acest MVH-350BT este in conformitate cu cerintele esentiale si alte prevederi ale Directivei 1999/5/EU.

български:
С настоящето, Pioneer декларира, че този MVH-350BT отговаря на основните изисквания и други съответни постановления на Директива 1999/5/EC.

Polski:
Niniejszym Pioneer oświadcza, że MVH-350BT jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC

Norsk:
Pioneer erklærer herved at utstyret MVH-350BT er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.

Íslenska:
Hér með lýsir Pioneer yfir því að MVH-350BT er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC

Hrvatski:
Ovime tvrtka Pioneer izjavljuje da je MVH-350BT u skladu osnovnim zahtjevima i ostalim odredbama Direktive 1999/5/EC.

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 **WARNING**s and **CAUTION**s in this manual. *Please keep the manual in a safe and accessible place for future reference.*

If you want to dispose this product, do not mix it with general household waste. There is a separate collection system for used electronic products in accordance with legislation that requires proper treatment, recovery and recycling.

Private households in the member states of the EU, in Switzerland and Norway may return their used electronic products free of charge to designated collection facilities or to a retailer (if you purchase a similar new one).
For countries not mentioned above, please contact your local authorities for the correct method of disposal.
By doing so you will ensure that your disposed product undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health.

About this unit

The tuner frequencies on this unit are allocated for use in Western Europe, Asia, the Middle East, Africa and Oceania. Use in other areas may result in poor reception. The RDS (radio data system) function only operates in areas with broadcasting RDS signals for FM stations.

⚠ CAUTION
• Do not allow this unit to come into contact with liquids. Electrical shock could result. Also, damage to this unit, smoke, and over-heating could result from contact with liquids.
• The Pioneer CarStereo-Pass is for use only in Germany.
• 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.

Note
Function setting operations are completed even if the menu is canceled before the operations are confirmed.
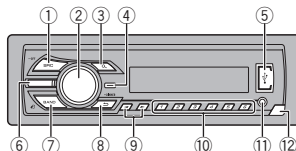
About this manual
• In the following instructions, USB memories and USB audio players are collectively referred to as "USB storage device".
• In this manual, iPod and iPhone will be referred to as "iPod".

In case of trouble

Should this unit fail to operate properly, please contact your dealer or nearest authorized PIONEER Service Station.

English

Head unit

Part		Part	
①	**SRC/OFF**	⑦	**BAND/⏏** (iPod control)
②	**MULTI-CONTROL (M.C.)**	⑧	⏎ (back)/ **DIMMER** (dimmer)
③	🔍 (list)	⑨	◄/►
④	**DISP**	⑩	**1/∧** to **6/↻**
⑤	USB port	⑪	AUX input jack (3.5 mm stereo jack)
⑥	MVH-350BT 📞 (phone) MVH-150UI **iPod**	⑫	Detach button

⚠ CAUTION
- Use an optional Pioneer USB cable (CD-U50E) to connect the USB storage device as any device connected directly to the unit will protrude out from the unit, which could be dangerous.
- Do not use unauthorized products.

Display indication
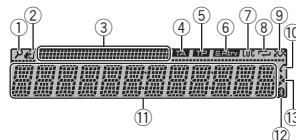
Indicator	State
① 🔍 (list)	The list function is being operated.
② ⏏ (iPod control)	This unit's iPod function is operated from your iPod.
③ Sub information section	Sub information is displayed.
④ TA (traffic announcements)	TA function is on.
⑤ TP (traffic program identification)	A TP station is tuned in.
⑥ **S.Rtrv** (sound retriever)	The sound retriever function is on.
⑦ **LOC**	Local seek tuning is on.
⑧ ↻ (repeat)	Track or folder repeat is on.
⑨ ⤬ (random/shuffle)	Random play is on. The iPod source is selected and the shuffle or shuffle all function is on.
⑩ ✆ (auto answer)	*Only for MVH-350BT* Shows when the automatic answering function is on.

Indicator	State
⑪ Main information section	• Tuner: band and frequency • RDS: program service name, PTY information and other literal information • USB storage device and iPod: elapsed playback time and text information
⑫ 🅱 (Bluetooth indicator)	*Only for MVH-350BT* Connected to a Bluetooth device. The line is on hold.
⑬ ⚡	Appears when a lower tier of folder or menu exists.

Set up menu

When you turn the ignition switch to ON after installation, set up menu appears on the display. You can set up the menu options below.

1 After installation of this unit, turn the ignition switch to ON.
SET UP appears.

2 Turn M.C. to switch to YES.
- If you do not operate for 30 seconds, the set up menu will not be displayed.
- If you prefer not to set up at this time, turn **M.C.** to switch to **NO**. Press to select.
If you select **NO**, you cannot set up in the set up menu.

3 Press M.C. to select.

4 Perform the following procedures to set the menu.
To proceed to the next menu option, you need to confirm your selection.

LANGUAGE (multi-language)

This unit can display the text information from a compressed audio file even for information embedded in English or Russian.
- If the embedded language and the selected language setting are not the same, text information may not display properly.
- Some characters may not be displayed properly.
1 Turn **M.C.** to select the desired setting.
ENG (English)—**PYC** (Russian)
2 Press **M.C.** to confirm the selection.

CLOCK SET (setting the clock)

1 Turn **M.C.** to adjust hour.
2 Press **M.C.** to select minute.
3 Turn **M.C.** to adjust minute.
4 Press **M.C.** to confirm the selection.

FM STEP (FM tuning step)

Normally, the FM tuning step employed by seek tuning is 50 kHz. When AF or TA is on, the tuning step automatically changes to 100 kHz. It may be preferable to set the tuning step to 50 kHz when AF is on.
- The tuning step remains at 50 kHz during manual tuning.
1 Turn **M.C.** to select the FM tuning step.
50 (50 kHz)—**100** (100 kHz)
2 Press **M.C.** to confirm the selection.
QUIT appears.

5 To finish your settings, turn M.C. to select YES.
- If you prefer to change your setting again, turn **M.C.** to switch to **NO**. Press to select.

6 Press M.C. to select.

Notes
- You can set up the menu options from the system menu. For details about the settings, refer to *System menu* on page 11.
- You can cancel set up menu by pressing **SRC/OFF**.

Basic operations

Important
- Handle gently when removing or attaching the front panel.
- Avoid subjecting the front panel to excessive shock.
- Keep the front panel out of direct sunlight and high temperatures.
- To avoid damaging the device or vehicle interior, remove any cables and devices attached to the front panel before detaching it.


Removing the front panel to protect your unit from theft
1 Press the detach button to release the front panel.
2 Push the front panel upward (I) and then pull it toward (II) you.
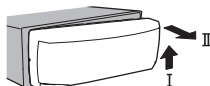
3 Always keep the detached front panel in a protection device such as a protection case.

Re-attaching the front panel
1 Slide the front panel to the left.
Make sure to insert the tabs on the left side of the head unit into the slots on the front panel.
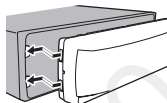
2 Press the right side of the front panel until it is firmly seated.
If you cannot attach the front panel to the head unit successfully, make sure that you are placing the front panel onto the head unit correctly. Forcing the front panel into place may result in damage to the front panel or head unit.

Turning the unit on
1 Press **SRC/OFF** to turn the unit on.

Turning the unit off
1 Press and hold **SRC/OFF** until the unit turns off.

Selecting a source
1 Press **SRC/OFF** to cycle between:
TUNER (tuner)—**USB** (USB)/**iPod** (iPod)—**AUX** (AUX)—**BT AUDIO** (Bluetooth audio)
- **BT AUDIO** is not available for MVH-150UI.
- *Only for MVH-150UI*
When there is an iPod connected and a source other than **iPod** is selected, you can switch to **iPod** by pressing **iPod**.

Adjusting the volume
1 Turn **M.C.** to adjust the volume.

⚠ CAUTION
For safety reasons, park your vehicle when removing the front panel.

Note
When this unit's blue/white lead is connected to the vehicle's auto-antenna relay control terminal, the vehicle's antenna extends when this unit's source is turned on. To retract the antenna, turn the source off.

Frequently used menu operations

Returning to the previous display
Returning to the previous list (the folder one level higher)
1 Press ⇌/**DIMMER**.

Returning to the ordinary display
Canceling the main menu
1 Press **BAND/↵**.

Returning to the ordinary display from the list
1 Press **BAND/↵**.

Tuner

Basic operations

Selecting a band
1 Press **BAND/↵** until the desired band (**FM1**, **FM2**, **FM3** for FM or **MW/LW**) is displayed.

Switching preset stations
1 Press ◄ or ►.
- Select **PCH** (preset channel) under **SEEK** to use this function. For details about the settings, refer to **SEEK** *(left/right key setting)* on the next page.

Manual tuning (step by step)
1 Press ◄ or ►.
- Select **MAN** (manual tuning) under **SEEK** to use this function. For details about the settings, refer to **SEEK** *(left/right key setting)* on the next page.

Seeking
1 Press and hold ◄ or ►, and then release.
You can cancel seek tuning by briefly pressing ◄ or ►.
While pressing and holding ◄ or ►, you can skip stations. Seek tuning starts as soon as you release ◄ or ►.

Note
This unit's AF (alternative frequencies search) function can be turned on and off. AF should be off for normal tuning operation (refer to **AF** *(alternative frequencies search)* on the next page).

Storing and recalling stations for each band

Using preset tuning buttons

1 When you find a station that you want to store in memory, press one of the preset tuning buttons (1/∧ to 6/⇌) and hold until the preset number stops flashing.

2 Press one of the preset tuning buttons (1/∧ to 6/⇄) to select the desired station.

Switching the display

Selecting the desired text information
1 Press **DISP** to cycle between the following:
• **FREQUENCY** (program service name or frequency)
• **BRDCST INFO** (program service name/PTY information)
• **CLOCK** (source name and clock)

Notes
• If the program service name cannot be acquired in **FREQUENCY**, the broadcast frequency is displayed instead. If the program service name is detected, the program service name will be displayed.
• **BRDCST INFO** text information will change automatically.
• Depending on the band, text information can be changed.
• Text information items that can be changed depend on the area.

Using PTY functions

You can tune in to a station using PTY (program type) information.

Searching for an RDS station by PTY information
You can search for general types of broadcasting programs, such as those listed in the following section. Refer to this page.
1 Press 🔍 (list).
2 Turn **M.C.** to select a program type.
NEWS/INFO—POPULAR—CLASSICS—OTHERS
3 Press **M.C.** to begin the search.
The unit searches for a station broadcasting that type of program. When a station is found, its program service name is displayed.
• To cancel the search, press **M.C.** again.
• The program of some stations may differ from that indicated by the transmitted PTY.
• If no station is broadcasting the type of program you searched for, **NOT FOUND** is displayed for about two seconds and then the tuner returns to the original station.

PTY list

NEWS/INFO (news and information)

NEWS (News), **AFFAIRS** (Current affairs), **INFO** (Information), **SPORT** (Sports), **WEATHER** (Weather), **FINANCE** (Finance)

POPULAR (popular)

POP MUS (Popular music), **ROCK MUS** (Rock music), **EASY MUS** (Easy listening), **OTH MUS** (Other music), **JAZZ** (Jazz), **COUNTRY** (Country music), **NAT MUS** (National music), **OLDIES** (Oldies music), **FOLK MUS** (Folk music)

CLASSICS (classics)

L. CLASS (Light classical), **CLASSIC** (Classical)

OTHERS (others)

EDUCATE (Education), **DRAMA** (Drama), **CULTURE** (Culture), **SCIENCE** (Science), **VARIED** (Varied), **CHILDREN** (Children's), **SOCIAL** (Social affairs), **RELIGION** (Religion), **PHONE IN** (Phone in), **TOURING** (Travel), **LEISURE** (Leisure), **DOCUMENT** (Documentaries)

Function settings

1 Press M.C. to display the main menu.

2 Turn M.C. to change the menu option and press to select FUNCTION.

3 Turn M.C. to select the function.
Once selected, the following functions can be adjusted.
▪ If MW/LW band is selected, only **BSM**, **LOCAL** and **SEEK** are available.

BSM (best stations memory)

BSM (best stations memory) automatically stores the six strongest stations in the order of their signal strength.
1 Press **M.C.** to turn BSM on.
To cancel, press **M.C.** again.

REGION (regional)

When AF is used, the regional function limits the selection of stations to those broadcasting regional programs.
1 Press **M.C.** to turn the regional function on or off.

LOCAL (local seek tuning)

Local seek tuning lets you tune in to only those radio stations with sufficiently strong signals for good reception.
1 Press **M.C.** to select the desired setting.
FM: **OFF**—**LV1**—**LV2**—**LV3**—**LV4**
MW/LW: **OFF**—**LV1**—**LV2**
The highest level setting allows reception of only the strongest stations, while lower levels allow the reception of weaker stations.

TA (traffic announcement standby)

1 Press **M.C.** to turn traffic announcement standby on or off.

AF (alternative frequencies search)

1 Press **M.C.** to turn AF on or off.

NEWS (news program interruption)

1 Press **M.C.** to turn the NEWS function on or off.

SEEK (left/right key setting)

You can assign a function to the left and right keys of the unit.
Select **MAN** (manual tuning) to tune up or down manually or select **PCH** (preset channel) to switch between preset channels.
1 Press **M.C.** to select **MAN** or **PCH**.

USB storage device

Basic operations

Playing songs on a USB storage device
1. Open the USB port cover.
2. Plug in the USB storage device using a USB cable.
   Playback is performed automatically.

Stopping playback of files on a USB storage device
1. You may disconnect the USB storage device at any time.
   The unit stops playback.

Selecting a folder
1. Press **1/∧** or **2/∨**.

Selecting a track
1. Press ◄ or ►.

Fast forwarding or reversing
1. Press and hold ◄ or ►.
• When playing compressed audio, there is no sound during fast forward or reverse.

Returning to root folder
1. Press and hold **BAND/⏏**.

Switching between playback memory devices
You can switch between playback memory devices on USB storage devices with more than one Mass Storage Device-compatible memory device.
1. Press **BAND/⏏**.
• You can switch between up to 32 different memory devices.

Note

Disconnect USB storage devices from the unit when not in use.

Switching the display

Selecting the desired text information
1. Press **DISP** to cycle between the following:
   MP3/WMA/WAV
   • **TRACK INFO** (track title/artist name/album title)
   • **FILE INFO** (file name/folder name)
   • **ELAPSED TIME** (track number and play-back time)
   • **CLOCK** (source name and clock)
   • **SPEANA** (spectrum analyzer)

Notes

• **TRACK INFO** and **FILE INFO** text information will change automatically.
• Depending on the version of iTunes used to write MP3 files to media file types, incompatible text stored within an audio file may be displayed incorrectly.
• Text information items that can be changed depend on the media.

Selecting and playing files/tracks from the name list

1 Press ⚲ to switch to the file/track name list mode.

2 Use M.C. to select the desired file name (or folder name).

Selecting a file or folder
1. Turn **M.C.**

Playing
1. When a file or track is selected, press **M.C.**

Viewing a list of the files (or folders) in the selected folder
1. When a folder is selected, press **M.C.**

Playing a song in the selected folder
1. When a folder is selected, press and hold **M.C.**

Operations using special buttons

Selecting a repeat play range
1. Press **6/⇄** to cycle between the following:
   • **ALL** – Repeat all files
   • **ONE** – Repeat the current file
   • **FLD** – Repeat the current folder

Playing tracks in random order
1. Press **5/✕** to turn random play on or off.
   Tracks in a selected repeat range are played in random order.
• To change songs during random play, press ► to switch to the next track. Pressing ◄ restarts playback of the current track from the beginning of the song.

Pausing playback
1. Press **4/PAUSE** to pause or resume.

Enhancing compressed audio and restoring rich sound (sound retriever)
1. Press **3/S.Rtrv** to cycle between:
   1—2—OFF (off)
   1 is effective for low compression rates, and **2** is effective for high compression rates.

Function settings

1 Press M.C. to display the main menu.

2 Turn M.C. to change the menu option and press to select FUNCTION.
Once selected, the function below can be adjusted.

S.RTRV (sound retriever)

Automatically enhances compressed audio and restores rich sound.
1. Press **M.C.** to select the desired setting.
   For details, refer to *Enhancing compressed audio and restoring rich sound* (*sound retriever*) on this page.

iPod

Basic operations

Playing songs on an iPod
1. Open the USB port cover.
2. Connect an iPod to the USB cable using an iPod Dock Connector.
   Playback is performed automatically.

Selecting a song (chapter)
1. Press ◄ or ►.

Selecting an album
1. Press **1/∧** or **2/∨**.

Fast forwarding or reversing
1. Press and hold ◄ or ►.

Notes

• The iPod cannot be turned on or off when the control mode is set to **CONTROL AUDIO**.
• Disconnect headphones from the iPod before connecting it to this unit.
• The iPod will turn off about two minutes after the ignition switch is set to OFF.

Switching the display

Selecting the desired text information
1. Press **DISP** to cycle between the following:
   CONTROL AUDIO/CONTROL iPod
   • **TRACK INFO** (track title/artist name/album title)
   • **ELAPSED TIME** (track number and play-back time)
   • **CLOCK** (source name and clock)
   • **SPEANA** (spectrum analyzer)
   CONTROL APP
   • **CONTROL APP** (**APP MODE** is displayed)
   • **CLOCK** (source name and clock)
   • **SPEANA** (spectrum analyzer)

Note
TRACK INFO text information will change automatically.

Browsing for a song

1   Press ⌕ to switch to the top menu of list search.

2   Use M.C. to select a category/song.

Changing the name of the song or category
1 Turn **M.C.**
   Playlists—artists—albums—songs—podcasts
   —genres—composers—audiobooks

Playing
1 When a song is selected, press **M.C.**

Viewing a list of songs in the selected category
1 When a category is selected, press **M.C.**

Playing a song in the selected category
1 When a category is selected, press and hold
   M.C.

Searching the list by alphabet
1 When a list for the selected category is displayed, press ⌕ to switch to alphabet search mode.
   • You also can switch to alphabet search mode by turning **M.C.** twice.
2 Turn **M.C.** to select a letter.
3 Press **M.C.** to display the alphabetical list.
   • To cancel searching, press ⤴/**DIMMER**.

Notes
• You can play playlists created with the PC application (MusicSphere). The application will be available on our website.
• Playlists that you created with the PC application (MusicSphere) are displayed in abbreviated form.

Operations using special buttons

Selecting a repeat play range
1 Press **6/↻** to cycle between the following:
   • **ONE** – Repeat the current song
   • **ALL** – Repeat all songs in the selected list
• When the control mode is set to **CONTROL iPod/CONTROL APP**, the repeat play range will be same as what is set for the connected iPod.

Selecting a random play range (shuffle)
1 Press **5/✕✕** to cycle between the following:
   • **SNG** – Play back songs in the selected list in random order.
   • **ALB** – Play back songs from a randomly selected album in order.
   • **OFF** – Not play back in random order.

Playing all songs in random order (shuffle all)
1 Press and hold **5/✕✕** to turn shuffle all on.
• To turn off shuffle all, select **OFF** in shuffle. For details, refer to *Selecting a random play range (shuffle)* on this page.

Pausing playback
1 Press **4/PAUSE** to pause or resume.

Enhancing compressed audio and restoring rich sound (sound retriever)
1 Press **3/S.Rtrv** to cycle between:
   1—2—OFF (off)
   1 is effective for low compression rates, and **2** is effective for high compression rates.

Playing songs related to the currently playing song

You can play songs from the following lists.
• Album list of the currently playing artist
• Song list of the currently playing album
• Album list of the currently playing genre

1   Press and hold ⌕ to switch to link play mode.

2   Turn M.C. to change the mode; press to select.
   • **ARTIST** – Plays an album of the artist currently being played.
   • **ALBUM** – Plays a song from the album currently being played.
   • **GENRE** – Plays an album from the genre currently being played.
The selected song/album will be played after the currently playing song.

Notes
• The selected song/album may be canceled if you operate functions other than link search (e.g. fast forward and reverse).
• Depending on the song selected to play, the end of the currently playing song and the beginning of the selected song/album may be cut off.

Operating this unit's iPod function from your iPod

This unit's iPod function can be operated from a connected iPod.
If you switch to APP Mode, you can have the sound from your iPod applications be output from your car's speakers.
CONTROL iPod is not compatible with the following iPod models.
• iPod nano 1st generation
• iPod with video
CONTROL APP is compatible with the following iPod models.
• iPod touch 4th generation
• iPod touch 3rd generation
• iPod touch 2nd generation
• iPod touch 1st generation
• iPhone 4S
• iPhone 4
• iPhone 3GS
• iPhone 3G
• iPhone

● **Press BAND/⮌ to switch the control mode.**
   • **CONTROL iPod** – This unit's iPod function can be operated from the connected iPod.
   • **CONTROL APP** – This unit's iPod function can be operated from the connected iPod. The unit will play back the sound from your iPod applications.
   • **CONTROL AUDIO** – This unit's iPod function can be operated from this unit.
Only for MVH-150UI
You can also switch the control mode by pressing **iPod**.

Notes
• Switching the control mode to **CONTROL iPod/CONTROL APP** pauses song playback. Operate the iPod to resume playback.
• The following operations are still accessible from the unit even if the control mode is set to **CONTROL iPod/CONTROL APP**.
   — Pausing
   — Fast forward/reverse
   — Selecting a song (chapter)
• The volume can only be adjusted from this unit.

Function settings

1   Press M.C. to display the main menu.

2   Turn M.C. to change the menu option and press to select FUNCTION.

3   Turn M.C. to select the function.
Once selected, the following functions can be adjusted.
   • **AUDIO BOOK** is not available when **CONTROL iPod/CONTROL APP** is selected in the control mode. For details, refer to *Operating this unit's iPod function from your iPod* on this page.

AUDIO BOOK (audiobook speed)

1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select your favorite setting.
 • **FASTER** – Playback at a speed faster than normal
 • **NORMAL** – Playback at normal speed
 • **SLOWER** – Playback at a speed slower than normal

S.RTRV (sound retriever)

Automatically enhances compressed audio and restores rich sound.
1 Press **M.C.** to select the desired setting.
 For details, refer to *Enhancing compressed audio and restoring rich sound (sound retriever)* on the previous page.

Using Bluetooth wireless technology

Only for MVH-350BT

Using Bluetooth telephone
 Important
• Since this unit is on standby to connect with your cellular phone via Bluetooth wireless technology, using it without the engine running can drain the battery power.
• Operations may vary depending on the kind of cellular phone.
• Advanced operations that require attention such as dialing numbers on the monitor, using the phone book, etc., are prohibited while driving. Park your vehicle in a safe place when using these advanced operations.
• Be sure to park your vehicle in a safe place and apply the parking brake when performing this operation.

Setting up for hands-free phoning
Before you can use the hands-free phoning function you must set up the unit for use with your cellular phone.

1 Connection
 Operate the Bluetooth telephone connection menu. Refer to *Connection menu operation* on this page.
2 Function settings
 Operate the Bluetooth telephone function menu. Refer to *Phone menu operation* on the next page.

Basic operations

Making a phone call
1 Refer to *Phone menu operation* on the next page.

Answering an incoming call
1 When a call is received, press 📞 .

Ending a call
1 Press 📞 .

Rejecting an incoming call
1 When a call is received, press and hold 📞 .

Answering a call waiting
1 When a call is received, press 📞 .

Switching between callers on hold
1 Press **M.C.**

Canceling call waiting
1 Press and hold 📞 .

Adjusting the other party's listening volume
1 Press ◄ or ► while talking on the phone.
• When private mode is on, this function is not available.

Turning private mode on or off
1 Press **BAND**/⏏ while talking on the phone.

Notes
• If private mode is selected on the cellular phone, hands-free phoning may not be available.
• The estimated call time appears in the display (this may differ slightly from the actual call time).

Storing and recalling phone numbers

1 If you find a phone number that you want to store to memory, press and hold down one of the preset tuning buttons (1/∧ to 6/⇄) to store it to the relevant preset tuning button.
The functions below can be used to store phone numbers to the memory. For details, refer to *Phone menu operation* on the next page.
 • **MISSED** (missed call history)
 • **DIALLED** (dialed call history)
 • **RECEIVED** (received call history)
 • **PHONE BOOK** (phone book)

2 Press one of the preset tuning buttons (1/∧ to 6/⇄) to recall the desired phone number.

3 Press M.C. to make a call.

Switching the display

Selecting the desired text information
You can change the display during a call.
1 Press **DISP** to cycle between the following:
 • Call time
 • Name of other party
 • Number of other party

Using voice recognition
This feature can be used on an iPod equipped with voice recognition that is connected by Bluetooth with the source set to **iPod** or **BT AUDIO**.

● **Press and hold M.C. to switch to voice recognition mode.**
The commands available with this unit are listed below.
 • Song playback
 • Making a phone call

Note
For details on voice recognition features, check the manual for the iPod you are using.

Connection menu operation
 Important
• Be sure to park your vehicle in a safe place and apply the parking brake when performing this operation.
• Connected devices may not operate properly if more than one Bluetooth device is connected at a time (e.g. a phone and a separate audio player are connected simultaneously).

1 Press and hold 📞 to display the connection menu.
• You cannot operate this step during a call.

2 Turn M.C. to select the function.
Once selected, the following functions can be adjusted.

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DEVICELIST (connecting or disconnecting a device from the device list)

- When no device is selected in the device list, this function is not available.
1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the name of a device you want to connect/disconnect.
  - Press and hold **M.C.** to switch the Bluetooth device address and device name.
3 Press **M.C.** to connect/disconnect the selected device.
  If the connection is established, ✱ is indicated on the device name.

DEL DEVICE (deleting a device from the device list)

- When no device is selected in the device list, this function is not available.
1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the name of a device you want to delete.
  - Press and hold **M.C.** to switch the Bluetooth device address and device name.
3 Press **M.C.** to display **DELETE YES**.
4 Press **M.C.** to delete a device information from the device list.
- While this function is in use, do not turn off the engine.

ADD DEVICE (connecting a new device)

1 Press **M.C.** to start searching.
  - To cancel, press **M.C.** while searching.
  - If this unit fails to find any available cellular phones, **NOT FOUND** is displayed.
2 Turn **M.C.** to select a device from the device list.
  - If the desired device is not displayed, select **RE-SEARCH**.
  - Press and hold **M.C.** to switch the Bluetooth device address and device name.
3 Press **M.C.** to connect the selected device.
  - To complete the connection, check the device name (**Pioneer BT Unit**) and enter the PIN code on your device.
  - PIN code is set to **0000** as the default. You can change this code.
  - 6-digit number appears on the display of this unit. Once the connection is established, this number disappears.
  - If you are unable to complete the connection using this unit, use the device to connect to the unit.
  - If three devices are already paired, **DEVICE-FULL** is displayed and it is not possible to perform this operation. In this case, delete a paired device first.

A. CONN (connecting to a Bluetooth device automatically)

1 Press **M.C.** to turn automatic connection on or off.

VISIBLE (setting the visibility of this unit)

To check the availability of this unit from other devices, Bluetooth visibility of this unit can be turned on.
1 Press **M.C.** to turn the visibility of this unit on or off.

PIN CODE (PIN code input)

To connect your device to this unit via Bluetooth wireless technology, you need to enter a PIN code on your device to verify the connection. The default code is **0000**, but you can change it with this function.
1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select a number.
3 Press **M.C.** to move the cursor to the next position.
4 After inputting PIN code, press and hold **M.C.**
  - After inputting, pressing **M.C.** returns you to the PIN code input display, and you can change the PIN code.

DEV. INFO (Bluetooth device address display)

1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to display the device information.
  Device name—Bluetooth device address

Phone menu operation

Important

Be sure to park your vehicle in a safe place and apply the parking brake when performing this operation.

1 Press ⟍ to display the phone menu.
- When **PW SAVE** is on, you cannot display the phone menu. For details about the settings, refer to **PW SAVE** (power saving) on page 12.

2 Turn M.C. to select the function.
Once selected, the following functions can be adjusted.

MISSED (missed call history)
DIALLED (dialed call history)
RECEIVED (received call history)

1 Press **M.C.** to display the phone number list.
2 Turn **M.C.** to select a name or phone number.
3 Press **M.C.** to make a call.

PHONE BOOK (phone book)

- The phone book in your cellular phone will be transferred automatically when the phone is connected to this unit.
- Depending on the cellular phone, the phone book may not be transferred automatically. In this case, operate your cellular phone to transfer the phone book. The visibility of this unit should be on. Refer to **VISIBLE** (setting the visibility of this unit) on this page.
1 Press **M.C.** to display **SEARCH** (alphabetical list).
2 Turn **M.C.** to select the first letter of the name you are looking for.
  - Press and hold **M.C.** to select the desired character type.
    TOP (alphabet)—**OΛA** (Greek alphabet)—**BCE** (Cyrillic alphabet)
3 Press **M.C.** to display a registered name list.
4 Turn **M.C.** to select the name you are looking for.
5 Press **M.C.** to display the phone number list.
6 Turn **M.C.** to select a phone number you want to call.
7 Press **M.C.** to make a call.

PRESET 1-6 (preset phone numbers)

1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the desired preset number.
3 Press **M.C.** to make a call.
  - You can also use the preset number buttons **1/∧** to **6/⇄** to recall a preset phone number.
    For more details about storing phone numbers, refer to Storing and recalling phone numbers on the previous page.

PHONE FUNC (phone function)

You can set **A. ANSR**, **R.TONE** and **PB INVT** from this menu. For details, refer to Function and operation on the next page.

Function and operation

1   Display PHONE FUNC.
Refer to **PHONE FUNC** (phone function) on the previous page.

2   Press M.C. to display the function menu.

3   Turn M.C. to select the function.
Once selected, the following functions can be adjusted.

A. ANSR (automatic answering)

1 Press **M.C.** to turn automatic answering on or off.

R.TONE (ring tone select)

1 Press **M.C.** to turn the ring tone on or off.

PB INVT (phone book name view)

1 Press **M.C.** to invert the order of names in the phone book.

Bluetooth Audio

Important

- 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.
  You cannot use the A2DP connection when **iPod** is selected as a source.
  — AVRCP profile (Audio/Video Remote Control Profile): You can perform playback, pause playback, select songs, etc.

- Since there are a number of Bluetooth audio players available on the market, available operations will vary extensively. When operating your player with this unit, refer to the instruction manual that came with your Bluetooth audio player as well as this manual.
- As the signal from your cellular phone may cause noise, avoid using it when you are listening to songs on your Bluetooth audio player.
- When a call is in progress on the cellular phone connected to this unit via Bluetooth wireless technology, the sound of the Bluetooth audio player connected to this unit is muted.
- When the Bluetooth audio player is in use, you cannot connect to a Bluetooth telephone automatically.
- Playback continues even if you switch from your Bluetooth audio player to another source while listening to a song.
- 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.

Setting up for Bluetooth audio

Before you can use the Bluetooth audio function you must set up the unit for use with your Bluetooth audio player. This entails establishing a Bluetooth wireless connection between this unit and your Bluetooth audio player, and pairing your Bluetooth audio player with this unit.

1 Connection
Operate the Bluetooth telephone connection menu. Refer to Connection menu operation on page 8.

Basic operations

Fast forwarding or reversing
1 Press and hold ◄ or ►.

Selecting a track
1 Press ◄ or ►.

Starting playback
1 Press **BAND/**.

Switching the display

Selecting the desired text information
1 Press **DISP** to cycle between the following:
- **DEVICE INFO** (device name)
- **TRACK INFO** (track title/artist name/album title)
- **ELAPSED TIME** (track number and playback time)
- **CLOCK** (source name and clock)
- **SPEANA** (spectrum analyzer)

Notes
- **TRACK INFO** text information will change automatically.
- Depending on the device, text information can be changed.

Operations using special buttons

Selecting a repeat play range
1 Press **6/** to select a repeat play range from one or all.
- This function may not be available depending on the type of Bluetooth audio player connected.
- The repeat play range varies depending on the Bluetooth audio player in use.

Playing tracks in random order
1 Press **5/** to turn random play on or off.
- The random play range varies depending on the Bluetooth audio player in use.

Pausing playback
1 Press **4/PAUSE** to pause or resume.

Enhancing compressed audio and restoring rich sound (sound retriever)
1 Press **3/S.Rtrv** to cycle between:
1—2—OFF (off)
1 is effective for low compression rates, and **2** is effective for high compression rates.

Function settings

1   Press M.C. to display the main menu.

2   Turn M.C. to change the menu option and press to select FUNCTION.

3   Turn M.C. to select the function.
Once selected, the following functions can be adjusted.

PLAY (play)

1 Press **M.C.** to start playback.

STOP (stop)

1 Press **M.C.** to stop the playback.

S.RTRV (sound retriever)

Automatically enhances compressed audio and restores rich sound.
1 Press **M.C.** to select the desired setting.
For details, refer to Enhancing compressed audio and restoring rich sound (sound retriever) on this page.

Audio adjustments

1   Press M.C. to display the main menu.

2   Turn M.C. to change the menu option and press to select AUDIO.

3   Turn M.C. to select the audio function.
Once selected, the following audio functions can be adjusted.

- **FADER** is not available when **SUB.W/SUB.W** is selected in **SP-P/O MODE**. For details, refer to **SP-P/O MODE** *(rear output and preout setting)* on the next page.
- **SUB.W**, **SUB.W CTRL** and **HPF SETTING** are not available when **REAR/REAR** is selected in **SP-P/O MODE**. For details, refer to **SP-P/O MODE** *(rear output and preout setting)* on the next page.
- **SUB.W CTRL** and **HPF SETTING** are not available when **SUB.W** is selected in **OFF**. For details, refer to **SUB.W** *(subwoofer on/off setting)* on this page.

FADER (fader adjustment)

1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to adjust the front/rear speaker balance.

BALANCE (balance adjustment)

1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to adjust the left/right speaker balance.

EQ SETTING (equalizer recall)

1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the equalizer.
POWERFUL—**NATURAL**—**VOCAL**—**CUSTOM1**—**CUSTOM2**—**FLAT**—**SUPER BASS**
The equalizer band and equalizer level can be customized when **CUSTOM1** or **CUSTOM2** is selected.
If selecting **CUSTOM1** or **CUSTOM2**, complete the procedures outlined below. If selecting other options, press **M.C.** to return to the previous display.

- **CUSTOM1** can be set separately for each source. However, **USB** and **iPod** are all set to the same setting automatically.
- **CUSTOM2** is a shared setting used in common for all sources.

3 Press **M.C.** to display the setting mode.
4 Press **M.C.** to cycle between the following:
Equalizer band—Equalizer level
5 Turn **M.C.** to select the desired setting.
Equalizer band: **80HZ**—**250HZ**—**800HZ**—**2.5KHZ**—**8KHZ**
Equalizer level: **+6** to **–6**

LOUDNESS (loudness)

Loudness compensates for deficiencies in the low-frequency and high-frequency ranges at low volume.
1 Press **M.C.** to select the desired setting.
OFF (off)—**LOW** (low)—**MID** (mid)—**HI** (high)

SUB.W (subwoofer on/off setting)

This unit is equipped with a subwoofer output which can be turned on or off.
1 Press **M.C.** to select the desired setting.
NOR (normal phase)—**REV** (reverse phase)—**OFF** (subwoofer off)

SUB.W CTRL (subwoofer adjustment)

Only frequencies lower than those in the selected range are outputted from the subwoofer.
1 Press **M.C.** to display the setting mode.
2 Press **M.C.** to cycle between the following:
Cut-off frequency—Output level—Slope level
Rates that can be adjusted will flash.
3 Turn **M.C.** to select the desired setting.
Cut-off frequency: **50HZ**—**63HZ**—**80HZ**—**100HZ**—**125HZ**—**160HZ**—**200HZ**
Output level: **–24** to **+6**
Slope level: **–6**— **–12**

BASS BOOST (bass boost)

1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select a desired level.
0 to **+6** is displayed as the level is increased or decreased.

HPF SETTING (high pass filter adjustment)

When you do not want low sounds from the subwoofer output frequency range to play from the front or rear speakers, turn on the HPF (high pass filter). Only frequencies higher than those in the selected range are output from the front or rear speakers.
1 Press **M.C.** to display the setting mode.
2 Press **M.C.** to cycle between the following:
Cut-off frequency—Slope level
3 Turn **M.C.** to select the desired setting.
Cut-off frequency: **OFF**—**50HZ**—**63HZ**—**80HZ**—**100HZ**—**125HZ**—**160HZ**—**200HZ**
Slope level: **–6**— **–12**

SLA (source level adjustment)

SLA (Source level adjustment) lets you adjust the volume level of each source to prevent radical changes in volume when switching between sources.

- Settings are based on the FM volume level, which remains unchanged.
- The MW/LW volume level can also be adjusted with this function.
- When selecting FM as the source, you cannot switch to **SLA**.
- **USB** and **iPod** are all set to the same setting automatically.

1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to adjust the source volume.
Adjustment range: **+4** to **–4**

System menu

⏱ Important

PW SAVE (power saving) is canceled if the vehicle battery is disconnected and will need to be turned back on once the battery is reconnected. When **PW SAVE** (power saving) is off, depending on connection methods, the unit may continue to draw power from the battery if your vehicle's ignition doesn't have an ACC (accessory) position.

1   Press M.C. to display the main menu.

2   Turn M.C. to change the menu option and press to select SYSTEM.

3   Turn M.C. to select the system menu function.
Once selected, the following system menu functions can be adjusted.

- **MUTE MODE** is not available for MVH-350BT.
- **BT AUDIO**, **BT MEM CLEAR** and **BT VERSION** are not available for MVH-150UI.

LANGUAGE (multi-language)

This unit can display the text information from a compressed audio file even for information embedded in English or Russian.
• If the embedded language and the selected language setting are not the same, text information may not display properly.
• Some characters may not be displayed properly.
1 Turn **M.C.** to select the desired setting.
ENG (English)—**PYC** (Russian)

CLOCK SET (setting the clock)

1 Press **M.C.** to display the setting mode.
2 Press **M.C.** to select the segment of the clock display you wish to set.
Hour—Minute
3 Turn **M.C.** to adjust the clock.

12H/24H (time notation)

1 Press **M.C.** to select the desired setting.
12H (12-hour clock)—**24H** (24-hour clock)

AUTO PI (auto PI seek)

The unit can automatically search for a different station with the same programming, even during preset recall.
1 Press **M.C.** to turn Auto PI seek on or off.

AUX (auxiliary input)

Activate this setting when using an auxiliary device connected to this unit.
1 Press **M.C.** to turn **AUX** on or off.

MUTE MODE (mute mode)

Sound from this system is automatically muted or attenuated when a signal from equipment with a mute function is received.
1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the desired setting.
You can select any one of the options in the following list:
• **MUTE** – Muting
• **20dB ATT** – Attenuation (**20dB ATT** has a stronger effect than **10dB ATT**)
• **10dB ATT** – Attenuation

BT AUDIO (Bluetooth audio activation)

You need to activate the **BT AUDIO** source in order to use a Bluetooth audio player.
1 Press **M.C.** to turn the **BT AUDIO** source on or off.

PW SAVE (power saving)

Switching this function on enables you to reduce the consumption of battery power.
• Turning on the source is the only operation allowed when this function is on.
1 Press **M.C.** to turn the power save on or off.

BT MEM CLEAR (clearing the Bluetooth device data stored on this unit)

Bluetooth device data stored on this unit can be cleared. To protect personal information, we recommend that you clear this data before transferring this unit to other persons. The following types of data on this unit will be cleared in such cases.
• Phone book
• Call history
• Preset number
• PIN code
• Registration assignment
• Information of the connected Bluetooth telephone
1 Press **M.C.** to show the confirmation display.
YES is displayed. Clearing memory is now on standby.
If you do not want to clear the Bluetooth device data stored on this unit, turn **M.C.** to display **CANCEL** and press it again to select.
2 Press **M.C.** to clear the memory.
CLEARED is displayed and the Bluetooth device data is cleared.
• While this function is in use, do not turn off the engine.

BT VERSION (Bluetooth version display)

You can display the system versions of this unit and of Bluetooth module.
1 Press **M.C.** to display the information.

Switching the dimmer setting

You can adjust the brightness of illumination.

1 Press M.C. to display the main menu.

2 Turn M.C. to display ILLUMI and press to select.

3 Press M.C. to select the desired setting.
OFF (off)—**ON** (on)
• You can also change the dimmer setting by pressing and holding ⏏/**DIMMER**.

Initial menu

1 Press and hold SRC/OFF until the unit turns off.

2 Press and hold SRC/OFF until the main menu appears in the display.

3 Turn M.C. to change the menu option and press to select INITIAL.

4 Turn M.C. to select the initial menu function.
Once selected, the following initial menu functions can be adjusted.
• **S/W UPDATE** is not available for MVH-150UI.

FM STEP (FM tuning step)

Normally, the FM tuning step employed by seek tuning is 50 kHz. When AF or TA is on, the tuning step automatically changes to 100 kHz. It may be preferable to set the tuning step to 50 kHz when AF is on.
• The tuning step remains at 50 kHz during manual tuning.
1 Press **M.C.** to select the FM tuning step.
50 (50 kHz)—**100** (100 kHz)

SP-P/O MODE (rear output and preout setting)

The rear speaker leads output and the RCA output of this unit can be used to connect a full-range speaker or subwoofer. Select a suitable option for your connection.

1 Press **M.C.** to display the setting mode.

2 Turn **M.C.** to select the desired setting.
You can select any one of the options in the following list:
* **REAR/SUB.W** – Select when there is a full-range speaker connected to the rear speaker leads output and there is a subwoofer connected to the RCA output.
* **SUB.W/SUB.W** – Select when there is a subwoofer connected directly to the rear speaker leads output without any auxiliary amp and there is a subwoofer connected to the RCA output.
* **REAR/REAR** – Select when there is a full-range speaker connected to the rear speaker leads output and the RCA output.
If there is a full-range speaker connected to the rear speaker leads output and the RCA output is not used, you may select either **REAR/SUB.W** or **REAR/REAR**.

S/W UPDATE (updating the software)

This function is used to update this unit with the latest Bluetooth software. For about Bluetooth software and updating, refer to our website.
* Never turn the unit off while the Bluetooth software is being updated.
1 Press **M.C.** to display the data transfer mode. Follow the on-screen instructions to finish updating the Bluetooth software.

System menu

1 **Press and hold SRC/OFF until the unit turns off.**

2 **Press and hold SRC/OFF until the main menu appears in the display.**

3 **Turn M.C. to change the menu option and press to select SYSTEM.**

4 **Turn M.C. to select the system menu function.**
Once selected, the following system menu functions can be adjusted.
For details, refer to *System menu* on page 11.

Using an AUX source

1 **Insert the stereo mini plug into the AUX input jack.**

2 **Press SRC/OFF to select AUX as the source.**

Note
AUX cannot be selected unless the auxiliary setting is turned on. For more details, refer to **AUX** *(auxiliary input)* on the previous page.

Switching the display

Selecting the desired text information
1 Press **DISP** to cycle between the following:
* Source name
* Source name and clock

If an unwanted display appears

Turn off the unwanted display using the procedures listed below.

1 **Press M.C. to display the main menu.**

2 **Turn M.C. to change the menu option and press to select SYSTEM.**

3 **Turn M.C. to display DEMO OFF and press to select.**

4 **Turn M.C. to switch to YES.**

5 **Press M.C. to select.**

Connections

⊖— **Important**
* When installing this unit in a vehicle without an ACC (accessory) position on the ignition switch, failure to connect the red cable to the terminal that detects operation of the ignition key may result in battery drain.

ACC position   No ACC position

* Use of this unit in conditions other than the following could result in fire or malfunction.
  — Vehicles with a 12-volt battery and negative grounding.
  — Speakers with 50 W (output value) and 4 Ω to 8 Ω (impedance value).
* To prevent a short-circuit, overheating or malfunction, be sure to follow the directions below.
  — Disconnect the negative terminal of the battery before installation.
  — Secure the wiring with cable clamps or adhesive tape. Wrap adhesive tape around wiring that comes into contact with metal parts to protect the wiring.
  — Place all cables away from moving parts, such as the shift lever and seat rails.
  — Place all cables away from hot places, such as near the heater outlet.
  — Do not connect the yellow cable to the battery by passing it through the hole to the engine compartment.
  — Cover any disconnected cable connectors with insulating tape.
  — Do not shorten any cables.
  — Never cut the insulation of the power cable of this unit in order to share the power with other devices. The current capacity of the cable is limited.
  — Use a fuse of the rating prescribed.

  — Never wire the negative speaker cable directly to ground.
  — Never band together negative cables of multiple speakers.
* When this unit is on, control signals are sent through the blue/white cable. Connect this cable to the system remote control of an external power amp or the vehicle's auto-antenna relay control terminal (max. 300 mA 12 V DC). If the vehicle is equipped with a glass antenna, connect it to the antenna booster power supply terminal.
* Never connect the blue/white cable to the power terminal of an external power amp. Also, never connect it to the power terminal of the auto antenna. Doing so may result in battery drain or a malfunction.
* The black cable is ground. Ground cables for this unit and other equipment (especially, high-current products such as power amps) must be wired separately. If they are not, an accidental detachment may result in a fire or malfunction.
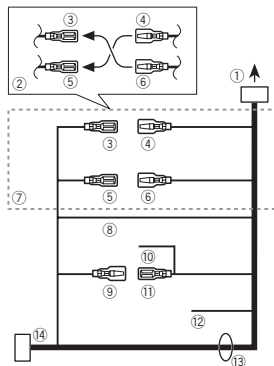
This unit
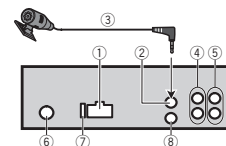
① Power cord input
② Microphone input (MVH-350BT only)
③ Microphone (MVH-350BT only)
4 m
④ Rear output or subwoofer output
⑤ Front output
⑥ Antenna input
⑦ Fuse (10 A)
⑧ Wired remote input

Hard-wired remote control adapter can be connected (sold separately).

Power cord

① To power cord input
② Depending on the kind of vehicle, the function of ③ and ⑤ may be different. In this case, be sure to connect ④ to ⑤ and ⑥ to ③.
③ Yellow
Back-up (or accessory)
④ Yellow
Connect to the constant 12 V supply terminal.
⑤ Red
Accessory (or back-up)
⑥ Red
Connect to terminal controlled by ignition switch (12 V DC).
⑦ Connect leads of the same color to each other.
⑧ Black (chassis ground)

⑨ Blue/white
The pin position of the ISO connector will differ depending on the type of vehicle. Connect ⑨ and ⑪ when Pin 5 is an antenna control type. In another type of vehicle, never connect ⑨ and ⑪.
⑩ Blue/white
Connect to system control terminal of the power amp (max. 300 mA 12 V DC).
⑪ Blue/white
Connect to auto-antenna relay control terminal (max. 300 mA 12 V DC).
⑫ Yellow/black (MVH-150UI only)
If you use an equipment with Mute function, wire this lead to the Audio Mute lead on that equipment. If not, keep the Audio Mute lead free of any connections.
⑬ Speaker leads
White: Front left ⊕
White/black: Front left ⊖
Gray: Front right ⊕
Gray/black: Front right ⊖
Green: Rear left ⊕ or subwoofer ⊕
Green/black: Rear left ⊖ or subwoofer ⊖
Violet: Rear right ⊕ or subwoofer ⊕
Violet/black: Rear right ⊖ or subwoofer ⊖
⑭ ISO connector
In some vehicles, the ISO connector may be divided into two. In this case, be sure to connect to both connectors.

Notes
- Change the initial menu of this unit. Refer to **SP-P/O MODE** *(rear output and preout setting)* on page 12.
The subwoofer output of this unit is monaural.
- When using a subwoofer of 70 W (2 Ω), be sure to connect the subwoofer to the violet and violet/black leads of this unit. Do not connect anything to the green and green/black leads.

Power amp (sold separately)

Perform these connections when using the optional amplifier.
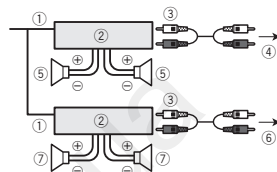
① System remote control
Connect to Blue/white cable.
② Power amp (sold separately)
③ Connect with RCA cables (sold separately)
④ To Front output
⑤ Front speaker
⑥ To Rear output or subwoofer output
⑦ Rear speaker or subwoofer
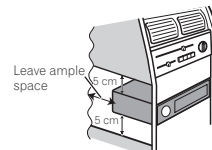
Installation

Important
- Check all connections and systems before final installation.
- Do not use unauthorized parts as this may cause malfunctions.
- Consult your dealer if installation requires drilling of holes or other modifications to the vehicle.
- Do not install this unit where:
  — it may interfere with operation of the vehicle.
  — it may cause injury to a passenger as a result of a sudden stop.
- The semiconductor laser will be damaged if it overheats. Install this unit away from hot places such as near the heater outlet.

- Optimum performance is obtained when the unit is installed at an angle of less than 60°.

- When installing, to ensure proper heat dispersal when using this unit, make sure you leave ample space behind the rear panel and wrap any loose cables so they are not blocking the vents.

Leave ample space

DIN front/rear mount

This unit can be properly installed using either front-mount or rear-mount installation.
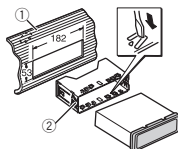Use commercially available parts when installing.

DIN Front-mount

1 Insert the mounting sleeve into the dashboard.
For installation in shallow spaces, use the supplied mounting sleeve. If there is enough space, use the mounting sleeve that came with the vehicle.

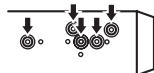**2 Secure the mounting sleeve by using a screwdriver to bend the metal tabs (90°) into place.**

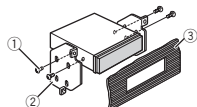① Dashboard
② Mounting sleeve

■ Make sure that the unit is installed securely in place. An unstable installation may cause skipping or other malfunctions.

DIN Rear-mount

1 Determine the appropriate position where the holes on the bracket and the side of the unit match.
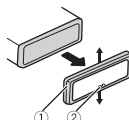
2 Tighten two screws on each side.

① Tapping screw (5 mm × 8 mm)
② Mounting bracket
③ Dashboard or console

Removing the unit

1 Remove the trim ring.

① Trim ring
② Notched tab

• Releasing the front panel allows easier access to the trim ring.
• When reattaching the trim ring, point the side with the notched tab down.

2 Insert the supplied extraction keys into both sides of the unit until they click into place.

3 Pull the unit out of the dashboard.
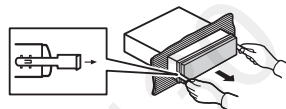
Removing and re-attaching the front panel

You can remove the front panel to protect your unit from theft.
Press the detach button and push the front panel upward and pull it toward you.
For details, refer to *Removing the front panel to protect your unit from theft* and *Re-attaching the front panel* on page 4.

Installing the microphone

Only for MVH-350BT

⚠ CAUTION

It is extremely dangerous to allow the microphone lead to become wound around the steering column or shift lever. Be sure to install the unit in such a way that it will not obstruct driving.

Note

Install the microphone in a position and orientation that will enable it to pick up the voice of the person operating the system.

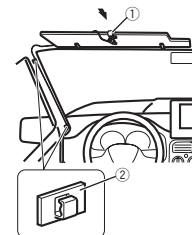### When installing the microphone on the sun visor

1 Install the microphone on the microphone clip.

① Microphone
② Microphone clip

2 Install the microphone clip on the sun visor.

With the sun visor up, install the microphone clip. (Lowering the sun visor reduces the voice recognition rate.)

① Microphone clip
② Clamp
   Use separately sold clamps to secure the lead where necessary inside the vehicle.

When installing the microphone on the steering column

1 Install the microphone on the microphone clip.

① Microphone
② Microphone base
③ Microphone clip
④ Fit the microphone lead into the groove.

■ Microphone can be installed without using microphone clip. In this case, detach the microphone base from the microphone clip. To detach the microphone base from the microphone clip, slide the microphone base.

2 Install the microphone clip on the steering column.

① Double-sided tape
② Install the microphone clip on the rear side of the steering column.
③ Clamp
Use separately sold clamps to secure the lead where necessary inside the vehicle.

Adjusting the microphone angle

The microphone angle can be adjusted.

Troubleshooting

Symptom	Cause	Action
The display automatically returns to the ordinary display.	You did not perform any operation within about 30 seconds.	Perform operation again.
The repeat play range changes unexpectedly.	Depending on the repeat play range, the selected range may change when another folder or track is being selected or during fast forwarding/reversing.	Select the repeat play range again.
A subfolder is not played back.	Subfolders cannot be played when **FLD** (folder repeat) is selected.	Select another repeat play range.
NO XXXX appears when a display is changed (**NO TITLE**, for example).	There is no embedded text information.	Switch the display or play another track/file.
The unit is malfunctioning. There is interference.	You are using a device, such as a cellular phone, that transmits electric waves near the unit.	Move electrical devices that may be causing the interference away from the unit.

Symptom	Cause	Action
The sound from the Bluetooth audio source is not played back.	There is a call in progress on a Bluetooth connected cellular phone.	The sound will be played back when the call is terminated.
	A Bluetooth connected cellular phone is currently being operated.	Do not operate the cellular phone at this time.
	A call was made with a Bluetooth connected cellular phone and then immediately terminated. As a result, communication between this unit and the cellular phone was not terminated properly.	Reconnect the Bluetooth connection between this unit and the cellular phone.

Error messages

When you contact your dealer or your nearest Pioneer Service Center, be sure to note the error message.

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