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, veillez à noter ce numéro sur la carte de garantie fournie.

Importantante (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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### About this manual:
- In the following instructions, a USB memory or USB audio player are referred to as **"USB device"**.
Getting Started

Basic operation

MVH-MS512BS

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turn on the power*</td>
<td>Press SRC/OFF to turn on the power. Press and hold SRC/OFF to turn off the power.</td>
</tr>
<tr>
<td>Adjust the volume</td>
<td>Turn the M.C. dial.</td>
</tr>
<tr>
<td>Select a source</td>
<td>Press SRC/OFF repeatedly.</td>
</tr>
<tr>
<td>Change the display information</td>
<td>Press DISP repeatedly.</td>
</tr>
<tr>
<td>Return to the previous display/list</td>
<td>Press BAND/←.</td>
</tr>
<tr>
<td>Return to the normal display from the menu</td>
<td>Press and hold BAND/←.</td>
</tr>
<tr>
<td>Change the display brightness (not available when [SIRIUSXM] is selected as a source)</td>
<td>Press and hold BAND/←.</td>
</tr>
</tbody>
</table>
When this unit’s blue/white lead is connected to the boat’s auto-antenna relay control terminal, the boat’s antenna extends when this unit’s source is turned on. To retract the antenna, turn the source off.

Display indication

<table>
<thead>
<tr>
<th>Indication</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Appears when a lower tier of the menu or folder exists.</td>
</tr>
<tr>
<td>BASS</td>
<td>Appears when the BASS function is activated.</td>
</tr>
<tr>
<td></td>
<td>Appears when random/shuffle play is set (except when BT AUDIO is selected as the source).</td>
</tr>
<tr>
<td></td>
<td>Appears when repeat play is set (except when BT AUDIO is selected as the source).</td>
</tr>
<tr>
<td></td>
<td>Appears when a Bluetooth connection is made (page 10).</td>
</tr>
<tr>
<td>APP</td>
<td>Appears when a Pioneer Smart Sync connection is made (page 21).</td>
</tr>
</tbody>
</table>

Detaching the front panel

Detach the front panel to prevent theft. Remove any cables and devices attached to the front panel and turn off the unit before detaching it.

Detach

Attach

Important

- Avoid subjecting the front panel to excessive shock.
- Keep the front panel out of direct sunlight and high temperatures.
- Always store the detached front panel in a protective case or bag.
**Resetting the microprocessor**

The microprocessor must be reset in the following situations:
- Before using this unit for the first time after installation
- If the unit fails to operate properly
- When strange or incorrect messages appear on the display

1. Remove the front panel (page 4).
2. Press the **RESET** button with a pointed instrument longer than 8 mm.

![RESET button](image)

**Setup menu**

When you turn the ignition switch to ON after installation, the setup menu appears in the display.

**NOTE**
If your boat’s ignition has no ACC position, some settings are not saved to the memory. To save, detach the front panel or wait for the unit to shut off completely 10 seconds after turning it off by pressing and holding **SRC/OFF** (when [ON] is selected in [PW SAVE]), then turn the ignition off.

**WARNING**
Do not use the unit in standard mode when a speaker system for network mode is connected to the unit. Do not use the unit in network mode when a speaker system for standard mode is connected to the unit. This may cause damage to the speakers.

1. Turn the M.C. dial to select the options, then press to confirm.
   To proceed to the next menu option, you need to confirm your selection.

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANGUAGE</td>
<td>Select the language to display the text information from a compressed audio file.</td>
</tr>
<tr>
<td>[ENG] (English), [ESP] (Spanish), [FRA] (Canadian French)</td>
<td></td>
</tr>
</tbody>
</table>
1 Press the M.C. dial to display the main menu.
2 Turn the M.C. dial to select [SYSTEM], then press to confirm.
3 Turn the M.C. dial to select [DEMO OFF], then press to confirm.
4 Turn the M.C. dial to select [YES], then press to confirm.

CANCELING THE DEMONSTRATION DISPLAY (DEMO OFF)

1 Press and hold SRC/OFF until the unit turns off.
Press and hold SRC/OFF to display the main menu.

Turn the M.C. dial to select [INITIAL], then press to confirm.

Turn the M.C. dial to select an option, then press to confirm.

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>REAR-SP</td>
<td>Select when there is a full-range speaker connected to the rear speaker output leads.</td>
</tr>
<tr>
<td>(FUL)</td>
<td></td>
</tr>
<tr>
<td>(SW)</td>
<td>Select when there is a subwoofer connected directly to the rear speaker output leads without any auxiliary amplifier.</td>
</tr>
<tr>
<td>SYSTEM UPDATE</td>
<td>Select [SYSTEM INFO] to confirm the latest system information on the unit.</td>
</tr>
<tr>
<td>(SYSTEM INFO), [S/W UPDATE]</td>
<td>Update the unit to the latest software and initialize the unit settings. For details on the latest software and updating, visit our website.</td>
</tr>
<tr>
<td>SXM RESET</td>
<td>Select to initialize the SiriusXM settings.</td>
</tr>
<tr>
<td>(YES), [NO]</td>
<td></td>
</tr>
<tr>
<td>SYSTEM RESET</td>
<td>Select [YES] to initialize the unit settings. The unit will be restarted automatically.</td>
</tr>
<tr>
<td>(YES), [NO]</td>
<td></td>
</tr>
</tbody>
</table>

Radio

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

Receiving preset stations

1. Press SRC/OFF to select [RADIO].
2. Press BAND/ to select the band from [FM1], [FM2], [FM3] or [AM].
3. Press a number button (1/ to 6/).

TIP
The buttons can also be used to select a preset station when [SEEK] is set to [PCH] in the FUNCTION settings (page 26).

Best stations memory (BSM)

The six strongest stations are stored on the number buttons (1/ to 6/).
1 After selecting the band, press the M.C. dial to display the main menu.
2 Turn the M.C. dial to select [FUNCTION], then press to confirm.
3 Turn the M.C. dial to select [BSM], then press to confirm.

To seek a station manually
1 After selecting the band, press I- / I+ to select a station.
   Press and hold I- / I+ then release to seek an available station. Scanning stops when the unit receives a station. To cancel seek tuning, press I- / I+.

NOTE
[SEEK] needs to be set to [MAN] in the FUNCTION settings (page 26).

To store stations manually
1 While receiving the station you want to store, press and hold one of the number buttons (1/ A to 6/ C) until it stops flashing.

USB/iPhone®/AUX
(iPhone source is not available when [USB MTP] is set to [ON] in the SYSTEM settings (page 32).)

Playing back
Disconnect headphones from the device before connecting it to the unit.

USB devices (including Android™)/iPhone
1 Open the USB port cover.
2 Plug in the USB device/iPhone using an appropriate cable.

NOTE
To automatically switch to USB source when a USB device/iPhone is connected to the unit, set [USB AUTO] to [ON] in the SYSTEM settings (page 33).

⚠️ CAUTION
Use a USB cable (sold separately) to connect the USB device as any device connected directly to the unit will protrude out from the unit, which could be dangerous.

Before removing the device, stop playback.
**AOA connections**
A device running Android OS 4.1 or higher (before OS 8.0) installed and also supports AOA (Android Open Accessory) 2.0 can be connected to the unit via AOA using the cable supplied with the device. Most devices running Android OS 8.0 or later do not support AOA 2.0.

**NOTE**
If you use an AOA connection, [APP CONTROL] needs to be set to [WIRED] (page 32) and [USB MTP] needs to be set to [OFF] (page 32) in the SYSTEM settings.

**MTP connection**
A device installed with Android OS 4.0 or most of later versions can be connected to the unit via MTP, using the cable supplied with the device. However, depending on the connected device, OS version or the numbers of the files in the device, audio files/songs may not be able to be played back via MTP. Note that MTP connection is not compatible with WAV file formats and FLAC file formats, and cannot be used with the MIXTRAX function.

**NOTE**
If you use an MTP connection, [USB MTP] needs to be set to [ON] in the SYSTEM settings (page 32).

**AUX**
1. Insert the stereo mini plug into the AUX input jack.
2. Press SRC/OFF to select [AUX IN] as the source.

**NOTE**
If [AUX] is set to [OFF] in the SYSTEM settings, [AUX IN] cannot be selected as a source (page 32).

**Operations**
You can make various adjustments in the FUNCTION settings (page 26) (except for AUX IN/USB source).
Note that the following operations do not work for an AUX device. To operate an AUX device, use the device itself.

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select a folder*1</td>
<td>Press 1/ or 2/ .</td>
</tr>
<tr>
<td>Select a track/song (chapter)</td>
<td>Press or .</td>
</tr>
<tr>
<td>Fast forward or reverse*2</td>
<td>Press and hold or .</td>
</tr>
<tr>
<td>Search for a file from a list (USB only)</td>
<td>1 Press and hold to display the list.</td>
</tr>
<tr>
<td></td>
<td>2 Turn the M.C. dial to select the desired</td>
</tr>
<tr>
<td></td>
<td>file (folder) name or category, then press</td>
</tr>
<tr>
<td></td>
<td>to confirm.</td>
</tr>
<tr>
<td></td>
<td>3 Turn the M.C. dial to select the desired</td>
</tr>
<tr>
<td></td>
<td>file, then press to confirm.</td>
</tr>
<tr>
<td></td>
<td>Playback starts.</td>
</tr>
</tbody>
</table>
Compressed audio files only
- When you use the fast forward or reverse function while playing a VBR file, the playback time may be not correct.

The MIXTRAX function creates a non-stop mix of your music library, accompanied by illumination effects. For details on MIXTRAX settings, see page 35.

NOTES
- iPhone needs to be connected with Pioneer Smart Sync via USB for using this function (page 21).
- Depending on the file/song, sound effects may not be available.
- Turn the MIXTRAX function off if the illumination effects it produces interfere with driving.

1. Press 3/MIX to turn MIXTRAX on/off.

### About MIXTRAX (USB/iPhone only)

Bluetooth

Bluetooth connection

Important
If ten or more Bluetooth devices (e.g. a phone and separate audio player) are connected, they may not work properly.

TIP
The next connection to the unit is performed automatically if the Bluetooth device has been connected previously in the following steps.

1. Turn on the Bluetooth function of the device.
   If you make a Bluetooth connection from the device, proceed to step 4.

2. Press 1 to display the [ADD DEVICE] setting.
The unit starts to search for available devices, then displays them in the device list.
• To cancel searching, press the M.C. dial.
• If the desired device is not in the list, select [RE-SEARCH].
• If there is no device available, [NOT FOUND] appears in the display.
• If there is already a connected device, the phone menu appears by pressing ．

3 Turn the M.C. dial to select a device from the device list, then press to confirm. Press and hold the M.C. dial to switch the displayed device information between the Bluetooth device address and device name.
If you make a Bluetooth connection from the unit, proceed to step 5.

4 Select the unit name shown in the device display.

5 Make sure the same 6-digit number appears on this unit and the device, then select [YES] if the 6-digit numbers displayed on this unit and the device are the same.

Bluetooth telephone

First, make a Bluetooth connection with the Bluetooth telephone (page 10). Up to two Bluetooth telephones can be connected simultaneously.

°C Important
• Leaving the unit on standby to connect to your phone via Bluetooth while the engine is not running can drain the boat’s battery.
• Be sure to stop your boat in a safe place.

To make a phone call

1 Press  to display the phone menu.
When two phones are connected, a phone name appears first then a phone menu will display. To switch to another phone, press  again.

2 Turn the M.C. dial to select [RECENTS] or [PHONE BOOK], then press to confirm.
If you select [PHONE BOOK], proceed to step 4.

3 Turn the M.C. dial to select [MISSED], [DIALED] or [RECEIVED], then press to confirm.

4 Turn the M.C. dial to select a name or phone number, then press to confirm.
The phone call starts.

To answer an incoming call

1 Press any button when a call is received.
**TIP**
When two phones are connected to the unit via Bluetooth and there is an incoming call while one phone is being used for a call, a message will appear in the display. To answer that incoming call, you need to end the existing call.

---

**Basic operations**

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>End a call</td>
<td>Press 📞.</td>
</tr>
<tr>
<td>Reject an incoming call</td>
<td>Press and hold 📞 when a call is received.</td>
</tr>
<tr>
<td>Switch between the current caller and a caller on hold</td>
<td>Press the M.C. dial.</td>
</tr>
<tr>
<td>Cancel a caller on hold</td>
<td>Press and hold 📞.</td>
</tr>
<tr>
<td>Adjust the volume of the caller’s voice (When private mode is on, this function is not available.)</td>
<td>Turn the M.C. dial during the call.</td>
</tr>
<tr>
<td>Turn the private mode on or off</td>
<td>Press BAND/羕 during the call.</td>
</tr>
</tbody>
</table>

---

**To preset phone numbers**

1. Select a phone number from a phone book or call history.
2. Press and hold one of the number buttons (1/📞 to 6/📞).

The contact is stored in the selected preset number.

To make a call using a preset number, press one of the number buttons (1/📞 to 6/📞), then press the M.C. dial, while the phone menu is displayed.

---

**Voice recognition**

This function is only available when an iPhone/Android device equipped with voice recognition is connected to the unit via Bluetooth.

1. Press and hold 📞 and then talk into the microphone to input voice commands.

To exit the voice recognition mode, press BAND/羕.

**NOTE**
For details on the voice recognition features, refer to the manual supplied with your device.

**TIP**
When a Pioneer Smart Sync connection is made (page 21), you can also use the voice recognition function from Pioneer Smart Sync installed on your iPhone/Android device by pressing and holding 📞. For details on the voice recognition features, see the application’s help section.
**Phone menu**

1 Press 🔄 to display the phone menu.

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RECENTS</strong></td>
<td>Display the missed call history.</td>
</tr>
<tr>
<td>[MISSED]</td>
<td></td>
</tr>
<tr>
<td>[DIALED]</td>
<td>Display the dialed call history.</td>
</tr>
<tr>
<td>[RECEIVED]</td>
<td>Display the received call history.</td>
</tr>
<tr>
<td><strong>PHONE BOOK</strong></td>
<td>Display the contacts in your phone.</td>
</tr>
<tr>
<td><strong>PRESET 1-6</strong></td>
<td>Recall the preset phone numbers. You can also recall the preset phone numbers by pressing one of the number buttons (1/ △ to 6/ □).</td>
</tr>
<tr>
<td><strong>A.ANSR</strong></td>
<td>Select [ON] to answer an incoming call automatically.</td>
</tr>
<tr>
<td>[ON], [OFF]</td>
<td></td>
</tr>
<tr>
<td><strong>PB INVT</strong></td>
<td>Invert the order of names in the phone book (name view).</td>
</tr>
<tr>
<td><strong>DEVICE LIST</strong></td>
<td>Display the list of paired Bluetooth devices. “*” appears on the device name when the Bluetooth connection is established. When no device is selected in the device list, this function is not available.</td>
</tr>
<tr>
<td><strong>DEL DEVICE</strong></td>
<td>Delete the device information.</td>
</tr>
<tr>
<td>[DELETE YES], [DELETE NO]</td>
<td></td>
</tr>
<tr>
<td><strong>ADD DEVICE</strong></td>
<td>Register a new device.</td>
</tr>
<tr>
<td><strong>DEV. INFO</strong></td>
<td>Switch the device information on the display between the device name and Bluetooth device address.</td>
</tr>
</tbody>
</table>

* If two phones are connected, this function does not work on incoming calls that are received while one of the phones is being used for a call.

**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 (Advanced Audio Distribution Profile) can only play back songs on your audio player.
  - AVRCP (Audio/Video Remote Control Profile) can perform functions such as playback, pause, select song, etc.
- The sound of the Bluetooth audio player will be muted when the phone is in use.
- When the Bluetooth audio player is in use, you cannot connect to a Bluetooth telephone automatically.
• Depending on the type of Bluetooth audio player you have connected to this unit, operation and information displayed may vary based on availability and functionality.

1  Make a Bluetooth connection with the Bluetooth audio player.
2  Press SRC/OFF to select [BT AUDIO] as the source.
3  Press BAND/   to start playback.

NOTE
You must reconnect the Bluetooth connection when the source is switched or the unit is turned off.

TIP
When more than two and up to five devices are registered to the unit via Bluetooth, you can switch the Bluetooth device by playing back songs on the device. By doing so, playing back a song from the Bluetooth device of each passenger is easily available. However, depending on the usage conditions, multiple connections may not be available and the audio files/songs may not be able to be played back properly.

Basic operations
You can make various adjustments in the FUNCTION settings (page 26).

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fast forward or reverse</td>
<td>Press and hold ‹‹ or ‹‹.</td>
</tr>
<tr>
<td>Select a track</td>
<td>Press ‹‹ or ‹‹.</td>
</tr>
<tr>
<td>Repeat play*</td>
<td>Press 6/  .</td>
</tr>
<tr>
<td>Random play*</td>
<td>Press 5/  .</td>
</tr>
<tr>
<td>Pause/resume playback</td>
<td>Press 4/PAUSE.</td>
</tr>
</tbody>
</table>
| Search for a file from a list | 1 Press and hold ‡ to display a list.  
                                  | 2 Turn the M.C. dial to select the desired folder name, then press to confirm.  
                                  | 3 Turn the M.C. dial to select the desired file, then press to confirm.  
                                  |   Playback starts.               |

* Depending on the connected device, these operations may not be available.

Pandora®
(Not available when [USB MTP] is set to [ON] in the SYSTEM settings (page 32).)
Pandora music is a music service not affiliated with Pioneer. More information is available at http://www.pandora.com.
The Pandora mobile application is available for iPhone and Android phones. Please visit www.pandora.com/everywhere/mobile for the latest compatibility information.

**Listening to Pandora**

Update the firmware of the Pandora application to the latest version before use.

1. **Connect this unit with the mobile device.**
   - iPhone via USB (page 8)
   - iPhone/Android device via Bluetooth (page 10)

2. **Press SRC/OFF to select [PANDORA].**

3. **Press and hold 1/△ to display [APP CONTROL].**

4. **Turn the M.C. dial to select one of the below.**
   - Select [WIRED] for the USB connection.
   - Select [BLUETOOTH] for the Bluetooth connection.

5. **Press SRC/OFF to select [PANDORA].**

6. **Launch the Pandora application on the mobile device and start playback.**

**NOTE**

When you connect a mobile device other than an iPhone/Android device, it may not operate correctly depending on your mobile device.

### Basic operations

You can make various adjustments in the FUNCTION settings (page 26).

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skip a track</td>
<td>Press ▶▶.</td>
</tr>
<tr>
<td>Switch between Shuffle and the station</td>
<td>Press and hold △, then turn the M.C. dial to select the Shuffle or the desired station.</td>
</tr>
<tr>
<td>Change the sort order</td>
<td>Press and hold △, then select one of the following. [ABC]: Sort the items in the list alphabetically. [DATE]: Sort the items in the list in order of the dates on which the items were created.</td>
</tr>
<tr>
<td>Play</td>
<td>When Shuffle or the station is selected, press the M.C. dial.</td>
</tr>
</tbody>
</table>
| Delete a station             | 1. When the station is selected, press and hold the M.C. dial. [DELETE YES] appears.  
Some functions of Pandora may not be operated from the unit.

**Spotify®**

(Not available when [USB MTP] is set to [ON] in the SYSTEM settings (page 32).)


The Spotify application is available for compatible smartphones, please visit https://support.spotify.com/ for the latest compatibility information.

To enjoy Spotify as you drive, first download the Spotify app to your iPhone or Android device. You can download it on the iTunes® App Store® or Google Play™. Choose a free account or a paid Premium account, either in the app or at spotify.com. A Premium account gives you more features, like offline listening.

**Important**

- This product incorporates Spotify software which is subject to 3rd party licenses found here: www.spotify.com/connect/third-party-licenses.
- For information on the countries and regions where Spotify can be used, take a look at https://spotify.com/us/select-your-country/.

**Listening to Spotify**

Update the firmware of the Spotify application to the latest version before use.

1. **Connect this unit with the mobile device.**
   - iPhone via USB (page 8)
   - iPhone/Android device via Bluetooth (page 10)

2. **Press SRC/OFF to select [SPOTIFY].**

### Table: Spotify Operation

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pause/resume playback</td>
<td>Press 4/PAUSE.</td>
</tr>
<tr>
<td>Thumbs Up</td>
<td>Press 1/✓.</td>
</tr>
<tr>
<td>Thumbs Down</td>
<td>Press 2/✓.</td>
</tr>
<tr>
<td>Create a new station based on the track currently being played</td>
<td>Press and hold 5/✓.</td>
</tr>
<tr>
<td>Create a new station based on the artist currently being played</td>
<td>Press and hold 6/✓.</td>
</tr>
</tbody>
</table>
| Store the track information currently being played in your Pandora account. | 1. Press and hold 3/MIX.  
[BOOKMARK] appears.  
2. Press the M.C. dial. |
3 Press and hold 1/\ to display [APP CONTROL].

4 Turn the M.C. dial to select one of the below.
   • Select [WIRED] for the USB connection.
   • Select [BLUETOOTH] for the Bluetooth connection.

5 Press SRC/OFF to select [SPOTIFY].

6 Launch the Spotify application on the mobile device and start playback.

NOTE
When you connect a mobile device other than an iPhone/Android device, it may not operate correctly depending on your mobile device.

---

**Basic operations**

You can make various adjustments in the FUNCTION settings (page 26).

**NOTE**
The available operations may vary according to the type of contents (track/album/artist/playlist/radio) you want to play.

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skip a track</td>
<td>Press [] or [[]].</td>
</tr>
<tr>
<td>Search for a track from a list</td>
<td>1  Press and hold A to display the list.</td>
</tr>
<tr>
<td></td>
<td>2  Turn the M.C. dial to select the desired category, then press to confirm.</td>
</tr>
<tr>
<td></td>
<td>3  Turn the M.C. dial to select the desired file, then press to confirm.</td>
</tr>
<tr>
<td></td>
<td>Playback starts.</td>
</tr>
<tr>
<td>Pause/resume playback</td>
<td>Press 4/PAUSE.</td>
</tr>
<tr>
<td>Thumbs Up (Only for radio)</td>
<td>Press 1/\</td>
</tr>
<tr>
<td>Thumbs Down (Only for radio)</td>
<td>Press 2/\</td>
</tr>
<tr>
<td>Random play (Only for track/album/artist/playlist)</td>
<td>Press 5/\</td>
</tr>
<tr>
<td>Repeat play (Only for track/album/artist/playlist)</td>
<td>Press 6/\</td>
</tr>
<tr>
<td>Start a radio channel based on the song currently being played.</td>
<td>1 Press and hold 5/\ to start a radio.</td>
</tr>
<tr>
<td></td>
<td>2 Press the M.C. dial.</td>
</tr>
<tr>
<td></td>
<td>• This function may not be available depending on the selected song.</td>
</tr>
</tbody>
</table>

**NOTE**
Some functions of Spotify may not be operated from the unit.
SiriusXM Satellite Radio

Only SiriusXM® brings you more of what you love to listen to, all in one place. Get over 140 channels, including commercial-free music plus the best sports, news, talk, comedy and entertainment. Welcome to the world of satellite radio. A SiriusXM Vehicle Tuner and Subscription are required. For more information, visit www.siriusxm.com

Replay™
You can pause, rewind or replay live satellite radio as well as the channel you are currently listening to.

TuneStart™
Automatically start songs from the beginning when you tune to one of your preset music channels stored on the current band of presets. For details, refer to TUNE START on page 27.

NOTE
TuneStart is compatible with SXV200 or later tuner models. Not compatible with SXV100.

TuneScan™
Scan through short previews of songs you may have missed on music channels stored on the current band of presets. Each song in the current channel plays for six seconds at a time. For details, refer to TUNE SCAN (scanning the songs) on page 27.

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

TuneMix™
Create a music channel that’s a blend of songs made up from the music channels stored on the current band of presets. For details, refer to TUNEMIX on page 27.

NOTE
TuneMix™ is compatible with the SXV300 or later tuner models. Not compatible with the SXV200 or SXV100.

Preparing for the SiriusXM Satellite Radio service

1. Press SRC/OFF to select [SIRIUSXM].
2. Press [◄◄/►►] to select Channel 0.
   The Radio ID appears on the display.
   In addition, the Radio ID is located on the bottom of the SiriusXM Connect Vehicle Tuner.
NOTE
The Radio ID does not include the letters I, O, S or F.

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.siriusxm.ca/activatexm
• Call 1-877-438-9677

4 [SUBSCRIPTION UPDATED] appears on the display when your SiriusXM Connect Vehicle Tuner has been subscribed successfully.
Press any key to clear the activation message.

NOTE
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 in step 4.

Listening to a channel

1 Press SRC/OFF to select [SIRIUSXM].
2 Press BAND/ to select a band from [SXM1], [SXM2] or [SXM3].
3 Press [◄/►] to select a channel.*
   Pressing and holding either button will rapidly browse through the channels.
* If you select a channel, you need to switch to [CHANNEL] by pressing and holding DISP.

Basic operations

1 Press and hold DISP to select the operation mode [CHANNEL] or [REPLAY].

TIP
Pressing and holding BAND/ can jump from buffered content to live content.

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
</table>
| Select a channel         | 1 Set the operation mode to [CHANNEL].
|                          | 2 Press [◄/►].
|                          | Pressing and holding either button will rapidly browse through the channels. |
| Skip backward/forward    | 1 Set the operation mode to [REPLAY].
|                          | 2 Press [◄/►]. |
| Fast forward or reverse  | 1 Set the operation mode to [REPLAY].
|                          | 2 Press and hold [◄/►]. |
NOTE
You can also make various adjustments in the SiriusXM settings (page 27).

Category scan
The live broadcast for each channel in the current category plays for six seconds at a time. Follow the instructions below.

To search for a channel from a list
1 Press and hold ▲ during playback.
2 Turn the M.C. dial to select a category.
3 Select one of the operations below.
   Category scan: Press and hold the M.C. dial to switch to category scan.
   Channel search: Press the M.C. dial to stop a scan.

NOTE
Press DISP to change the display information between “Channel Name”, “Artist Name”, “Song Title”, “Content Info” and “Channel Number”.

Scan options

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stopping a scan (selecting the channel or song playing)</td>
<td>Press the M.C. dial.</td>
</tr>
<tr>
<td>Switching to the next/previous song during TuneScan</td>
<td>Press ◀◀ or ▶▶.</td>
</tr>
<tr>
<td>Switching to the next/previous channel during the category scan</td>
<td>Press ◀◀ or ▶▶.</td>
</tr>
<tr>
<td>Aborting a scan (The last channel or song will continue to play when scan ends.)</td>
<td>Press BAND/ ↵.</td>
</tr>
</tbody>
</table>

Channel Preset

To preset a channel
1 While receiving a channel you want to store, press and hold one of the number buttons (1/ ▼ to 6/ ▼) until it stops flashing.

To play the stored channels, select the band and then press a number button (1/ ▼ to 6/ ▼).

To preset a channel from the program list
1 While receiving a channel you want to store, press and hold ▲.
2 Turn the M.C. dial to select [PRESETS], then press to confirm.
3 Turn the M.C. dial to select a preset channel.
4 Press and hold the M.C. dial to store.

To play the stored channels, turn the M.C. dial to select a preset channel, then press to confirm.

Parental Control
You can lock any SiriusXM channel (except for Channel 0 and Channel 1).
For details, see [PARENTAL CTRL] in SiriusXM settings (page 28).

SXM RESET
For details, see INITIAL settings on page 7.

Using Pioneer Smart Sync/APP

Pioneer Smart Sync is the application that intelligently brings your favorite marine application, messages, and music together in the boat.
You can operate the unit from Pioneer Smart Sync installed on an iPhone/Android device. In some cases, you can control aspects of the application, such as source selection, pause, etc., by using the unit.
For details on what operations are available on the application, see the application’s help section.

NOTE
The APP source is not available when a Pioneer Smart Sync connection is not made or [USB MTP] is set to [ON] in the SYSTEM settings (page 32).

⚠️ WARNING
Do not attempt to operate the application while driving. Make sure to stop your boat in a safe location before attempting to use the controls on the application.

For iPhone users
This function is compatible with iOS 10.3 or later.
You can download Pioneer Smart Sync on iTunes App Store.
For Android device users
This function is compatible with devices that have Android OS 5.0 or later installed. You can download Pioneer Smart Sync on Google Play.

NOTES
• Some Android devices connected via AOA 2.0 may not work properly or emit sounds due to their own software design, regardless of the OS version.
• If a wired connection does not work, please connect the device via Bluetooth to use Pioneer Smart Sync.

What kind of function does the application have?

Promoting the use of the unit
The interface of the unit can be evolved by using your iPhone/Android device.

Image (example):

Examples:
– Selecting a source of the unit
– Listening to the music on your iPhone/Android device
– Controlling the sound field intuitively
– Setting the illumination color
– Controlling your connected Bluetooth device

Extending the functions of the unit by using the application
The following functions, which are unavailable on the unit alone, are available by making a Pioneer Smart Sync connection.
<table>
<thead>
<tr>
<th>Menu Item (example)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Using a marine application</td>
<td>You can specify and start the marine application installed on your device.</td>
</tr>
<tr>
<td>Message reading</td>
<td>You can read messages received from the apps installed on your device.</td>
</tr>
<tr>
<td>31 Band EQ setting</td>
<td>You can select an equalizer band from the 31-band graphic equalizer (13-band for not using the Pioneer Smart Sync connection).</td>
</tr>
<tr>
<td>Super &quot;Todoroki&quot; Sound</td>
<td>You can boost the bass level more dynamically than when not using the Pioneer Smart Sync connection.</td>
</tr>
<tr>
<td>Easy Sound Fit</td>
<td>You can perform the time alignment setting easily.</td>
</tr>
<tr>
<td>Theme setting</td>
<td>You can set the wall paper and the theme color (display/keys/characters) at once.</td>
</tr>
</tbody>
</table>

**NOTES**
- Some functions may be restricted depending on the connection conditions with the application.
- The 31 Band EQ setting is converted into 13 bands when a music source from this product is engaged.

**TIP**
It is recommended to enter the search term "Pioneer Smart Sync" in the search field to search for the application.

![Pioneer Smart Sync search](image)

### Making a connection with Pioneer Smart Sync

1. Press the M.C. dial to display the main menu.
2. Turn the M.C. dial to select [SYSTEM], then press to confirm.
3. Turn the M.C. dial to select [APP CONTROL], then press to confirm.
4. Turn the M.C. dial to select one of the below.
   - Select [WIRED] for the USB connection.
   - Select [BLUETOOTH] for the Bluetooth connection.
5. Turn the M.C. dial to select [AUTO APP CONN], then press to confirm.
6. Turn the M.C. dial to select [ON], then press to confirm.
7 Connect this unit with the mobile device.
   • iPhone/Android device via USB (page 8)
   • iPhone/Android device via Bluetooth (page 10)
   Pioneer Smart Sync on the device starts automatically.

   **NOTE**
   Regardless of whether the [AUTO APP CONN] setting is set to [ON] or [OFF], you can also perform the following to start Pioneer Smart Sync.
   • For devices other than the USB-connected Android device, press SRC/OFF to select any source and press and hold the M.C. dial.
   • For iPhone, launch Pioneer Smart Sync on the mobile device.

**NOTES**
• When you connect a mobile device other than an iPhone/Android device, it may not operate correctly depending on your mobile device.
• If Pioneer Smart Sync has not been installed on your iPhone/Android device yet, a message that prompts you to install the application will appear on your iPhone/Android device (except for the Android device connected via Bluetooth). Select [OFF] in [AUTO APP CONN] to clear the message (page 33).

---

**Listening to music on your device**

1 Press SRC/OFF to select [APP].

---

**Audio Adjustments**

You can also make various adjustments in the AUDIO settings (page 28).

---

**Operation modes**

This unit features two operation modes: network mode and standard mode. You can switch between modes as desired (page 6).

**Network mode**

You can create a 2-way + SW multi-amp and multi-speaker system with high range speaker, middle range speaker and subwoofer for reproduction of high, middle and low frequencies (bands).

**Standard mode**

You can create a 4-speaker system with front and rear speakers or front speakers and subwoofers, or a 6-speaker system with front and rear speakers and subwoofers.
Adjusting the cut-off frequency value and the slope value

You can adjust the cut-off frequency value and the slope value of each speaker. The following speakers can be adjusted.

**Network mode:**
- [HIGH] (high-range speaker HPF), [MID HPF] (middle-range speaker HPF), [MID LPF] (middle-range speaker LPF), [SUBWOOFER]

**Standard mode:**
- [FRONT], [REAR], [SUBWOOFER]

**NOTE**
[SUBWOOFER] can only be selected when [ON] is selected in [SUBWOOFER] (page 29).

1. Press the M.C. dial to display the main menu.
2. Turn the M.C. dial to select [AUDIO], then press to confirm.
3. Turn the M.C. dial to select [CROSSOVER], then press to confirm.
4. Turn the M.C. dial to select the speaker unit (filter) to be adjusted, then press to confirm.
5. Turn the M.C. dial to select [HPF] or [LPF] according to the speaker unit (filter), then press to confirm.
6. Turn the M.C. dial to select an appropriate cut-off frequency for the speaker unit (filter) selected in step 4, then press to confirm.
   - **Network mode:**
     - [1.25K] to [12.5K] (if you choose [HIGH] or [MID LPF])
     - [25] to [250] (if you choose [MID HPF] or [SUBWOOFER])
   - **Standard mode:**
     - [25HZ] to [250HZ]
7. Turn the M.C. dial to select an appropriate slope for the speaker unit (filter) selected in step 4.
   - **Network mode:**
     - [–6] to [–24] (if you choose [HIGH], [MID HPF] or [MID LPF])
     - [–12] to [–36] (if you choose [SUBWOOFER])
   - **Standard mode:**
     - [–6] to [–24] (if you choose [FRONT] or [REAR])
     - [–6] to [–36] (if you choose [SUBWOOFER])
## Settings

You can adjust various settings in the main menu.

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

2. Turn the M.C. dial to select one of the categories below, then press to confirm.
   - FUNCTION settings (page 26)
   - AUDIO settings (page 28)
   - SYSTEM settings (page 31)
   - ILLUMINATION settings (page 34)
   - MIXTRAX settings (page 35)

3. Turn the M.C. dial to select the options, then press to confirm.

### FUNCTION settings

The menu items vary according to the source.

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BSM</strong></td>
<td>Store the six strongest stations on the number buttons (1/   to 6/   ) automatically.</td>
</tr>
<tr>
<td><strong>LOCAL</strong></td>
<td>Restrict the tuning station according to the signal strength.</td>
</tr>
<tr>
<td>FM: [OFF], [LV1], [LV2], [LV3], [LV4]</td>
<td></td>
</tr>
<tr>
<td>AM: [OFF], [LV1], [LV2]</td>
<td></td>
</tr>
<tr>
<td><strong>SEEK</strong></td>
<td>Assign or buttons to seek the stations one by one (manual tuning) or select a station from the preset channels.</td>
</tr>
<tr>
<td>[MAN], [PCH]</td>
<td></td>
</tr>
<tr>
<td><strong>SAVE</strong></td>
<td>Store the information about the song currently being played to your music list on Spotify.</td>
</tr>
<tr>
<td><strong>UNSAVE</strong></td>
<td>Remove the song information stored in [SAVE].</td>
</tr>
<tr>
<td><strong>SEL DEVICE</strong></td>
<td>Connect a Bluetooth device in the list.</td>
</tr>
<tr>
<td>iPhone, PANDORA, BT AUDIO, SPOTIFY</td>
<td></td>
</tr>
<tr>
<td>Menu Item</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>BOOKMARK</strong></td>
<td>Store the track information currently being played in your Pandora account.</td>
</tr>
<tr>
<td><strong>NEW STATION</strong> [PANDORA]</td>
<td>Create a new station based on the track or artist currently being played.</td>
</tr>
<tr>
<td><strong>PLAY</strong> [BT AUDIO]</td>
<td>Start playback.</td>
</tr>
<tr>
<td><strong>STOP</strong> [BT AUDIO]</td>
<td>Stop playback.</td>
</tr>
</tbody>
</table>

**SiriusXM settings**

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PAUSE</strong></td>
<td>Pause or resume playback.</td>
</tr>
<tr>
<td>[ON], [OFF]</td>
<td></td>
</tr>
<tr>
<td><strong>OPERATE MODE</strong> [CHANNEL], [REPLAY]</td>
<td>Press ⬅️ or ➤️ buttons to select a channel or skip backward/skip forward.</td>
</tr>
<tr>
<td><strong>TUNEMIX</strong></td>
<td>Create a music channel that's a blend of songs made up from the music channels stored on the current band of presets.</td>
</tr>
<tr>
<td>[ON], [OFF]</td>
<td></td>
</tr>
<tr>
<td><strong>TUNE SCAN</strong></td>
<td>Scan through songs from your music channel presets.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TUNE START</strong> [ON], [OFF]</td>
<td>Start playback of the broadcast from the beginning of a song when tuning to a preset music channel.</td>
</tr>
</tbody>
</table>
**NOTE**

[CHK APP SETTG.] may be displayed when the setting is performed from Pioneer Smart Sync.

---

**PARENTAL CTRL**

[LOCKED CH], [CLEAR ALL], [EDIT CODE]

Input the current passcode on the [PASSCODE] screen (the default passcode is 0000).

1. Turn the **M.C.** dial to select a number.
2. Press the **M.C.** dial to move the cursor to the next position.
3. After inputting the passcode, press the **M.C.** dial.
4. Turn the **M.C.** dial to select one of the following menu items, then press to confirm.
   - **[LOCKED CH]:** Lock the current channel (except for Channel 0 and Channel 1).
     1. Press the **M.C.** dial to turn the lock on or off.
   - **[CLEAR ALL]:** Unlock all the channels (except for Channel 0 and Channel 1) that have restricted access.
     1. Turn the **M.C.** dial to switch to [YES], then press to confirm.
   - **[EDIT CODE]:** Change the passcode.
     1. Repeat steps 1 to 3 to enter a new passcode.
     2. After inputting the passcode, press the **M.C.** dial.
        The new passcode is saved.

---

**AUDIO settings**

---

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>[PASSCODE] screen</td>
<td>Input the current passcode on the [PASSCODE] screen (the default passcode is 0000).</td>
</tr>
<tr>
<td>[LOCKED CH]</td>
<td>Lock the current channel (except for Channel 0 and Channel 1).</td>
</tr>
<tr>
<td>[CLEAR ALL]</td>
<td>Unlock all the channels (except for Channel 0 and Channel 1) that have restricted access.</td>
</tr>
<tr>
<td>[EDIT CODE]</td>
<td>Change the passcode. Repeat steps 1 to 3 to enter a new passcode. After inputting the passcode, press the <strong>M.C.</strong> dial. The new passcode is saved.</td>
</tr>
<tr>
<td>Menu Item</td>
<td>Description</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| **EQ SETTING** | **Select or customize the equalizer curve.**  
• When you select a setting other than [CUSTOM1], [CUSTOM2] and [SET BY APP], you can also customize the equalizer curve by pressing and holding the M.C. dial, then store the customized equalizer curve in [CUSTOM1]. |
|                | [SUPER BASS], [POWERFUL], [DYNAMIC], [NATURAL], [VOCAL], [VIVID], [SET BY APP]*, [CUSTOM1], [CUSTOM2], [FLAT]  
* [SET BY APP] is displayed when the preset equalizer curve that is not available in the unit has been set from Pioneer Smart Sync.  
Selected an equalizer band and level for further customizing.  
**Equalizer band:** [50HZ] to [12.5kHz]  
**Equalizer level:** [–6] to [+6] |
| **FADER***1   | Adjust the front and rear speaker balance.                                                                                                     |
| **BALANCE**   | Adjust the left and right speaker balance.                                                                                                     |
| **SUBWOOFER** | Set to [ON] when using a subwoofer speaker.                                                                                                    |
|               | [ON], [OFF]  
**SUBWOOFER** | Select the subwoofer phase.                                                                                                                       |
|               | [NOR], [REV]  
**SUBWOOFER** | Select a speaker unit (filter) and adjust the output level.                                                                                       |
|               | [HIGH L], [HIGH R], [MID L], [MID R], [SUBWOOFER]  
**Network mode:** [FRONT L], [FRONT R], [REAR L], [REAR R], [SUBWOOFER]  
**Output level:** [–24] to [10]  
**Standard mode:**  
Select a speaker unit (filter) to adjust the HPF or LPF cut-off frequency and the slope for each speaker unit.  
For details on the [CROSSOVER] setting, see page 25. |
| **CROSSOVER** | Select a speaker unit (filter) to adjust the HPF or LPF cut-off frequency and the slope for each speaker unit.  
For details on the [CROSSOVER] setting, see page 25. |

* [SET BY APP] is displayed when the preset equalizer curve that is not available in the unit has been set from Pioneer Smart Sync.
<table>
<thead>
<tr>
<th>POSITION</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>[OFF], [FRONT LEFT] (front seat left), [FRONT RIGHT] (front seat right), [FRONT] (front seats), [ALL]*</td>
<td>Select a listening position to adjust the speakers' output levels automatically and add a delay time that corresponds to the number and locations of occupied seats.</td>
</tr>
<tr>
<td>TIME ALGNMNT</td>
<td>Description</td>
</tr>
<tr>
<td>[INITIAL], [OFF], [CUSTOM]</td>
<td>Select or customize the time alignment settings to reflect the distance between the listener's position and each speaker.</td>
</tr>
<tr>
<td></td>
<td>• Select [INITIAL] to initialize the setting value.</td>
</tr>
<tr>
<td></td>
<td>• Select [OFF] to reset all setting values to 0.</td>
</tr>
<tr>
<td></td>
<td>• The [CUSTOM] setting is available when [FRONT LEFT] or [FRONT RIGHT] is selected in [POSITION] (page 30).</td>
</tr>
<tr>
<td></td>
<td>• The [CUSTOM] setting is not available when [OFF] is selected in [SUBWOOFER] (page 29).</td>
</tr>
<tr>
<td>Speaker distance (inch): [140] to [0]</td>
<td></td>
</tr>
<tr>
<td>SAVE SETTINGS</td>
<td>Description</td>
</tr>
<tr>
<td>[YES], [NO]</td>
<td>Save to later recall the following sound settings at their current values: [CROSSOVER], [SPEAKER LEVEL], [EQ SETTING], [POSITION], [TIME ALGNMNT], [D.BASS], [SUBWOOFER].</td>
</tr>
<tr>
<td></td>
<td>• The settings that can be saved differ when a Pioneer Smart Sync connection is made.</td>
</tr>
<tr>
<td>LOAD SETTINGS</td>
<td>Description</td>
</tr>
<tr>
<td></td>
<td>Load the sound settings, when you have already performed [SAVE SETTINGS].</td>
</tr>
<tr>
<td>D.BASS</td>
<td>Description</td>
</tr>
<tr>
<td>[OFF], [LOW], [HI]</td>
<td>Boost the bass level dynamically to offer an effect as if a subwoofer was added to the system.</td>
</tr>
<tr>
<td>LOUDNESS</td>
<td>Description</td>
</tr>
<tr>
<td>[OFF], [LOW], [MID], [HI]</td>
<td>Compensate for clear sound at low volume.</td>
</tr>
</tbody>
</table>
You can also access to these menus when the unit is turned off.

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SLA</strong></td>
<td>+4 to –4 Adjust the volume level for each source except FM.</td>
</tr>
<tr>
<td></td>
<td>Each of the below combinations are set to the same setting automatically.</td>
</tr>
<tr>
<td></td>
<td>• When making a USB connection, set USB, iPhone, PANDORA, APP, and SPOTIFY.</td>
</tr>
<tr>
<td></td>
<td>• When making a Bluetooth connection, set BT AUDIO, iPhone, PANDORA, APP, and SPOTIFY.</td>
</tr>
</tbody>
</table>

*1 Not available when [SW] is selected in [REAR-SP] in the INITIAL settings (page 7).
*2 Not available when [FUL] is selected in [REAR-SP] in the INITIAL settings (page 7).

**SYSTEM settings**

You can also access to these menus when the unit is turned off.

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LANGUAGE</strong></td>
<td>Select the language to display the text information from a compressed audio file.</td>
</tr>
<tr>
<td><strong>CLOCK SET</strong></td>
<td>Set the clock (page 6). • This setting is not available when a Pioneer Smart Sync connection is made.</td>
</tr>
<tr>
<td><strong>BEEP TONE</strong></td>
<td>(Only for standard mode) A beep can be heard when any button is pushed. Select [OFF] to disable this function.</td>
</tr>
<tr>
<td><strong>INFO DISPLAY</strong></td>
<td>Display the item on the sub information display. • When [SOURCE/SPEANA] or [CLOCK/SPEANA] is selected, display the antenna instead of the speana on the radio source.</td>
</tr>
<tr>
<td>Menu Item</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>AUX</strong></td>
<td>[ON], [OFF] Set to [ON] when using an auxiliary device connected to the unit.</td>
</tr>
<tr>
<td><strong>BT AUDIO</strong></td>
<td>[ON], [OFF] Set the Bluetooth signal on/off.</td>
</tr>
<tr>
<td><strong>PANDORA</strong></td>
<td>[ON], [OFF] Set to [ON] when using the Pandora function.</td>
</tr>
<tr>
<td><strong>SPOTIFY</strong></td>
<td>[ON], [OFF] Set to [ON] when using the Spotify function.</td>
</tr>
<tr>
<td><strong>PW SAVE</strong></td>
<td>[ON], [OFF] Reduce the battery power consumption.</td>
</tr>
<tr>
<td></td>
<td>• When [ON] is selected, the unit will automatically shut off completely 10 seconds after turning it off by pressing and holding SRC/OFF.</td>
</tr>
<tr>
<td></td>
<td>• When [OFF] is selected, some settings are not saved to the memory. To save, detach the front panel.</td>
</tr>
<tr>
<td></td>
<td>• Even if you select [OFF] and press to confirm, the setting is not saved to the memory yet. To save, detach the front panel.</td>
</tr>
<tr>
<td><strong>BT MEM CLEAR</strong></td>
<td>[YES], [NO] Clear the Bluetooth device data (device list, PIN code, call history, phone book, preset phone numbers) stored in the unit. [CLEARED] appears when data is successfully deleted.</td>
</tr>
<tr>
<td><strong>APP CONTROL</strong></td>
<td>[WIRED], [BLUETOOTH] Select the appropriate connection method according to your device. See page 33 for details on the connections for each device.</td>
</tr>
<tr>
<td><strong>USB MTP</strong></td>
<td>[ON], [OFF] Set to [ON] when using the MTP connection. The following sources are not available when the setting is set to [ON].</td>
</tr>
<tr>
<td></td>
<td>• APP, PANDORA, SPOTIFY, iPhone, and USB (AOA)</td>
</tr>
</tbody>
</table>
When [PW SAVE] is off, depending on connection methods, the unit may continue to draw power from the battery if your boat’s ignition does not have an ACC (accessory) position.

**Information on the connections for each device**

The available sources differ depending on the setting value. Please set [APP CONTROL] according to the table for the source you want to use. For details on Pioneer Smart Sync connection, see page 21.

### When Pioneer Smart Sync connection is NOT performed

<table>
<thead>
<tr>
<th>Setting Value</th>
<th>Device</th>
<th>Available source(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>[WIRED]</td>
<td>iPhone</td>
<td>iPhone, PANDORA, SPOTIFY</td>
</tr>
<tr>
<td></td>
<td>Android</td>
<td>USB (AOA)</td>
</tr>
<tr>
<td>[BLUETOOTH]</td>
<td>iPhone</td>
<td>iPhone, PANDORA, SPOTIFY</td>
</tr>
<tr>
<td></td>
<td>Android</td>
<td>PANDORA, SPOTIFY</td>
</tr>
</tbody>
</table>

### When Pioneer Smart Sync connection is performed

<table>
<thead>
<tr>
<th>Setting Value</th>
<th>Device</th>
<th>Available source(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>[WIRED]</td>
<td>iPhone</td>
<td>APP, PANDORA, SPOTIFY</td>
</tr>
<tr>
<td></td>
<td>Android</td>
<td>APP</td>
</tr>
<tr>
<td>[BLUETOOTH]</td>
<td>iPhone</td>
<td>APP, PANDORA, SPOTIFY</td>
</tr>
<tr>
<td></td>
<td>Android</td>
<td>APP, PANDORA, SPOTIFY</td>
</tr>
</tbody>
</table>
# ILLUMINATION settings

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COLOR</strong></td>
<td>Select color for the keys/display of the unit from 12 preset colors, [SCAN] or [CUSTOM]*.</td>
</tr>
</tbody>
</table>
| [KEY COLOR], [DISP COLOR], [BOTH COLOR] | - [SCAN]: Cycle through a variety of colors automatically.  
- [CUSTOM]*:  
  1 Press and hold the M.C. dial until the color setting display appears.  
  2 Set the primary color (R (red)/G (green)/B (blue)) and brightness level ([0] to [60]). You cannot select a level below 10 for all three of R (red), G (green), B (blue) at the same time. You can also customize the preset colors. Select one of the preset colors, then press and hold the M.C. dial until the color setting display appears.  
  * The CUSTOM setting is only available for [KEY COLOR] and [DISP COLOR]. |
| **DIM SETTING**   | Select the way to change the display brightness. |
| [SYNC ILLUMI], [SYNC CLOCK], [MANUAL] |  |
| **BRIGHTNESS**    | Select the brightness for the keys/display of the unit from [1] to [10]. The available setting ranges differ depending on [DIM SETTING]. |
| [KEY], [DISP]     |  |
| **PHONE COLOR**   | Select the key color when a call is received. |
| [FLASHING]       | Applies the color set by [KEY COLOR].  
- The illumination effect differs depending on the selection of [ON] or [OFF] in [ILLUMI FX]. |
| [FLASH FX1] to [FLASH FX6] | Cycle through a variety of colors automatically. |
| [OFF]            | No change in key color made. |
ILLUMI FX

[ON], [OFF]

The illumination effect can be seen when:
– there is an incoming call when [FLASHING] is selected in [PHONE COLOR]
– you are on a phone call
– the message received on the device is being read when a Pioneer Smart Sync connection is made
– the front panel is attached.

The illumination effect will activate when the ACC power is turned on/off regardless of this setting.

<table>
<thead>
<tr>
<th>MIXTRAX settings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Menu Item</strong></td>
</tr>
<tr>
<td><strong>SHORT PLAYBCK</strong></td>
</tr>
<tr>
<td>[1.0 MIN], [1.5 MIN], [2.0 MIN], [2.5 MIN], [3.0 MIN], [OFF]</td>
</tr>
<tr>
<td><strong>FLASH AREA</strong></td>
</tr>
<tr>
<td>[KEY/DISPLAY], [KEY], [OFF]</td>
</tr>
<tr>
<td><strong>FLASH PATTERN</strong></td>
</tr>
<tr>
<td>[SOUND LEVEL 1] to [SOUND LEVEL 6]</td>
</tr>
<tr>
<td>[LOW PASS 1] to [LOW PASS 6]</td>
</tr>
<tr>
<td>[RANDOM1]</td>
</tr>
<tr>
<td>[RANDOM2]</td>
</tr>
<tr>
<td>[RANDOM3]</td>
</tr>
<tr>
<td><strong>DISPLAY FX</strong></td>
</tr>
<tr>
<td>[ON], [OFF]</td>
</tr>
<tr>
<td>Menu Item</td>
</tr>
<tr>
<td>-----------</td>
</tr>
<tr>
<td>CUT IN FX</td>
</tr>
<tr>
<td>[ON], [OFF]</td>
</tr>
</tbody>
</table>

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Additional Information

Troubleshooting

The display automatically returns to the normal display.
→ No operations have been made for about 30 seconds.
  – Perform an operation.

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.

The sound is intermittent.
→ You are using a device, such as a cellular phone, that may cause audible interference.
  – Move electrical devices that may be causing the interference away from the unit.

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.
  – Stop using the cellular phone.
→ The connection between the unit and the cellular phone is not established correctly after a call made by a Bluetooth-connected cellular phone.
  – Make a Bluetooth connection between the unit and the cellular phone again.

Error messages

Common

AMP ERROR
→ This unit fails to operate or the speaker connection is incorrect.
→ The protective circuit is activated.
  – Check the speaker connection.
  – Turn the ignition switch OFF and back to ON again. If the message remains, contact your dealer or an authorized Pioneer Service Station for assistance.

NO XXXX (NO TITLE, for example)
→ There is no embedded text information.
  – Switch the display or play another track/file.

USB device/iPhone

FORMAT READ
→ Sometimes there is a delay between the start of playback and when you start to hear any sound.
  – Wait until the message disappears and you hear sound.

NO AUDIO
→ There are no songs.
  – Transfer the audio files to the USB device and connect.
→ The connected USB device has security enabled.
  – Follow the USB device instructions to disable the security.
SKIPPED
→ The connected USB device contains DRM protected files.
  – The protected files are skipped.

PROTECT
→ All the files on the connected USB device are embedded with DRM.
  – Replace the USB device.

N/A USB
→ The connected USB device is not supported by this unit.
  – Disconnect your device and replace it with a compatible USB device.

HUB ERROR
→ The USB device connected via a USB hub is not supported by this unit.
  – Connect the USB device directly to this unit using a USB cable.

CHECK USB
→ The USB connector or USB cable has short-circuited.
  – Check that the USB connector or USB cable is not caught in something or damaged.
→ The connected USB device consumes more than maximum allowable current.
  – Disconnect the USB device and do not use it. Turn the ignition switch OFF and back to ACC or ON. Connect only compliant USB devices.

ERROR-19
→ Communication failed.
  – Perform one of the following operations, then return to the USB source.
    • Disconnect the USB device.
    • Change to a different source.
→ iPhone failure.
  – Disconnect the cable from the iPhone. Once the iPhone’s main menu is displayed, reconnect the iPhone and reset it.

ERROR-23
→ USB device was not formatted properly.
  – Format the USB device with FAT12, FAT16 or FAT32.

ERROR-16
→ The iPhone firmware version is old.
  – Update the iPhone version.
→ iPhone failure.
  – Disconnect the cable from the iPhone. Once the iPhone’s main menu is displayed, reconnect the iPhone and reset it.

STOP
→ There are no songs in the current list.
  – Select a list that contains songs.

NO BT DEVICE GO TO BT MENU TO REGISTER
→ No Bluetooth device found.
  – Connect the unit and iPhone via Bluetooth (page 10).

CONN. FAILED PRESS BAND KEY TO RETRY
→ Bluetooth connection with iPhone failed.
  – Press BAND/♪ to make a connection again.

DISCONNECTED PRESS BAND KEY TO RETRY
→ Bluetooth connection lost.
  – Press BAND/♪ to make a connection again.

Bluetooth device

ERROR-10
→ The power failed for the Bluetooth module of the unit.
  – Turn the ignition switch OFF and back to ACC or ON.
Pandora

ERROR-19
→ Communication failed.
  – Disconnect the cable from the device.
  Once the device’s main menu is displayed, reconnect the device and reset it.

NOT FOUND
→ The Pandora application has not started running yet.
  – Start up the Pandora application.

RATING ERROR
→ The thumb rating operation was disabled.
  – Run the same command for another track.

CAN’T SKIP
→ The skip operation was disabled.
  – Run the same command for another track.

THUMB ERROR
→ Unable to save thumb rating.
  – Try again later.

BOOKMARK ERR
→ Unable to save BookMark.
  – Try again later.

INOPERABLE
→ The operation to save BookMark or add station was disabled.
  – Run the same command for another track.

UNABLE TO ADD
→ Unable to add station.
  – Try again later.

SKIP LIMIT
→ Due to music licensing restrictions, Pandora limits the total number of skips per hour.
  – Wait until Pandora allows you to skip again.

UPDATE APP
→ This version of the Pandora application is not supported.
  – Connect a device that has a compatible version of the Pandora application installed.

LOG IN ERROR
→ Your Pandora account is not logged in.
  – Disconnect the cable from the device, and log in to your Pandora account.
  Then reconnect the device.

ERROR
→ Device error message displayed in the Pandora application.
  – Check the connected device.
→ Pandora system is undergoing maintenance.
  – Try again later.

NO STATIONS
→ No station found.
  – Create a station in the Pandora application on your connected device.

NO BT DEVICE GO TO BT MENU TO REGISTER
→ No Bluetooth device found.
  – Connect the unit and the device via Bluetooth (page 10).

CONN. FAILED PRESS BAND KEY TO RETRY
→ Bluetooth connection failed.
  – Press BAND/ → to make a connection again.

CHECK APP PRESS BAND KEY TO RETRY
→ Connection to the Pandora application failed.
  – Press BAND/ → to make a connection again.
DISCONNECTED PRESS BAND KEY TO RETRY
→ Bluetooth connection lost.
  → Press BAND/↺ to make a connection again.

STATION LIMIT
→ A new station cannot be added.
  → Delete an old station to open a spot for a new one.

CANNOT DELETE
→ The station could not be deleted.
  → Run the same command for another station.

BAD NETWORK
→ The connected device is out of area.
  → Connect the device to a network.

UNAVAILAVLE
→ The connected device is out of area.
  → Connect the device to a network.
  → The operation was disabled.
  → Run the same command for another station.

CHECK APP
→ An unknown error (including communication error) has occurred.
  → Follow the instructions that appear on the screen.

APP

CONNECT APP
→ Pioneer Smart Sync connection is not made.
  → Make a connection with Pioneer Smart Sync (page 21).

Spotify

NOT FOUND
→ The Spotify application has not started running yet.
  → Start up the Spotify application.

NO BT DEVICE GO TO BT MENU TO REGISTER
→ No Bluetooth device found.
  → Connect the unit and the device via Bluetooth (page 10).

CONN. FAILED PRESS BAND KEY TO RETRY
→ Bluetooth connection failed.
  → Press BAND/↺ to make a connection again.

CHECK APP PRESS BAND KEY TO RETRY
→ Connection to the Spotify application failed.
  → Press BAND/↺ to make a connection again.

DISCONNECTED PRESS BAND KEY TO RETRY
→ Bluetooth connection lost.
  → Press BAND/↺ to make a connection again.

CHECK APP
→ An unknown error (including communication error) has occurred.
  → Follow the instructions that appear on the screen.

SiriusXM Satellite Radio

CHECK ANTENNA
→ The antenna cable may be either disconnected or damaged.
  → Check the antenna connection or replace if damaged.

CHECK TUNER
→ The radio is having difficulty communicating with the SiriusXM Connect Vehicle Tuner. The tuner may be disconnected or damaged.
  → Verify that the SiriusXM Connect Vehicle Tuner cable is securely connected to the radio.
NO SIGNAL
→ The SiriusXM Connect Vehicle Tuner is having difficulty receiving the SiriusXM satellite signal.
  – Move your boat outdoors with a clear view of the southern sky.
  – Make sure that the SiriusXM magnetic mount antenna is mounted on a metal surface on the outside the boat.
  – Move the SiriusXM antenna away from any obstructions.

SUBSCRIPTION UPDATED
→ This unit has detected a change in your SiriusXM subscription status.
  – Press any key to clear the message.

CH UNAVAIL
→ The channel that you have requested is not available.
  – Check the SiriusXM channel lineup.

CHAN UNSUB
→ The channel that you have requested is not included in your SiriusXM subscription package.
  – Check the content of your SiriusXM subscription package.

CH LOCKED
→ The channel has been locked by the Parental Control function.

NO TUNEMIX CH
→ There is only one music channel in the band.
  – Select a band with two or more music channels.
  – Add more music channels to the current band.

Handling guidelines

USB storage device
• Connections via USB hubs are not supported.
• Firmly secure the USB storage device before driving.
• Depending on the USB storage device, the following problems may occur.
  – Operations may vary.
  – The storage device may not be recognized.
  – Files may not be played back properly.
  – The device may cause audible interference when you are listening to the radio.

iPhone
• Do not leave the iPhone in places with high temperatures.
• Firmly secure the iPhone when driving.
• Incompatible text saved on the iPhone will not be displayed by the unit.

Compressed audio compatibility
• Only the first 32 characters can be displayed as a file name (including the file extension) or a folder name.
• The unit may not work properly depending on the application used to encode WMA files.
• There may be a slight delay at the start of the playback of audio files embedded with image data, or audio files stored on a USB device with numerous folder hierarchies.

⚠️ CAUTION
• Pioneer cannot guarantee compatibility with all USB mass storage devices, and assumes no responsibility for any loss of
data on media players, smartphones, or other devices while using this product.
• Do not leave a USB device in any place that is subject to high temperatures.

### WMA files

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>File extension</strong></td>
<td>.wma</td>
</tr>
<tr>
<td><strong>Bit rate</strong></td>
<td>48 kbps to 320 kbps (CBR), 48 kbps to 384 kbps (VBR)</td>
</tr>
<tr>
<td><strong>Sampling frequency</strong></td>
<td>32 kHz, 44.1 kHz, 48 kHz</td>
</tr>
<tr>
<td><strong>Windows Media™ Audio Professional, Lossless, Voice/DRM Stream/Stream with video</strong></td>
<td>Not compatible</td>
</tr>
</tbody>
</table>

### MP3 files

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>File extension</strong></td>
<td>.mp3</td>
</tr>
<tr>
<td><strong>Bit rate</strong></td>
<td>8 kbps to 320 kbps (CBR), VBR</td>
</tr>
<tr>
<td><strong>Sampling frequency</strong></td>
<td>8 kHz to 48 kHz (32 kHz, 44.1 kHz, 48 kHz for emphasis)</td>
</tr>
<tr>
<td><strong>Compatible ID3 tag version</strong></td>
<td>1.0, 1.1, 2.2, 2.3, 2.4 (ID3 tag Version 2.x is given priority over Version 1.x.)</td>
</tr>
<tr>
<td><strong>M3u playlist</strong></td>
<td>Not compatible</td>
</tr>
<tr>
<td><strong>MP3i (MP3 interactive), mp3 PRO</strong></td>
<td>Not compatible</td>
</tr>
</tbody>
</table>

### WAV files

• WAV file formats cannot be connected via MTP.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>File extension</strong></td>
<td>.wav</td>
</tr>
<tr>
<td><strong>Quantization bits</strong></td>
<td>8 and 16 (LPCM)</td>
</tr>
<tr>
<td><strong>Sampling frequency</strong></td>
<td>16 kHz to 48 kHz (LPCM)</td>
</tr>
</tbody>
</table>

### AAC files

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Compatible format</strong></td>
<td>AAC encoded by iTunes</td>
</tr>
<tr>
<td><strong>File extension</strong></td>
<td>.m4a</td>
</tr>
<tr>
<td><strong>Sampling frequency</strong></td>
<td>11.025 kHz to 48 kHz</td>
</tr>
<tr>
<td><strong>Stereo Bit Rate</strong></td>
<td>16 kbps to 320 kbps, VBR</td>
</tr>
<tr>
<td><strong>Apple Lossless</strong></td>
<td>Not compatible</td>
</tr>
<tr>
<td><strong>AAC file bought from the iTunes Store (.m4p file extension)</strong></td>
<td>Not compatible</td>
</tr>
</tbody>
</table>

### FLAC files

• FLAC file formats cannot be connected via MTP.
• FLAC files may not be playable, depending on the encoder.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>File extension</strong></td>
<td>.flac, .fla</td>
</tr>
<tr>
<td><strong>Sampling frequency</strong></td>
<td>8/11.025/12/16/22.05/24/32/44.1/48/96 kHz</td>
</tr>
<tr>
<td><strong>Quantization bit rate</strong></td>
<td>8/16/24 bit</td>
</tr>
<tr>
<td><strong>Channel mode</strong></td>
<td>1/2 ch</td>
</tr>
</tbody>
</table>

### USB device

• There may be a slight delay when starting playback of audio files on a USB storage device with numerous folder hierarchies.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Playable folder hierarchy</strong></td>
<td>Up to eight tiers (A practical hierarchy is less than two tiers.)</td>
</tr>
<tr>
<td><strong>Playable folders</strong></td>
<td>Up to 1 500</td>
</tr>
<tr>
<td><strong>Playable files</strong></td>
<td>Up to 15 000</td>
</tr>
<tr>
<td><strong>Playback of copyright-protected files</strong></td>
<td>Not compatible</td>
</tr>
<tr>
<td><strong>Partitioned USB device</strong></td>
<td>Only the first partition can be played.</td>
</tr>
</tbody>
</table>

### iPhone compatibility

This unit supports only the following iPhone models. Older versions may not be supported. Made for
- iPhone X
- iPhone 8
- iPhone 8 Plus
- iPhone 7
- iPhone 7 Plus
- iPhone SE
- iPhone 6s
- iPhone 6s Plus
- iPhone 6
- iPhone 6 Plus
- iPhone 5s
- iPhone 5c
- iPhone 5

• Operations may vary depending on the generation and/or software version of the iPhone.
• Users of iPhone with the Lightning® Connector should use the Lightning to USB Cable (supplied with iPhone).
• Refer to the iPhone manuals for information about the file/format compatibility.
• Audiobook, Podcast: Compatible

⚠️ CAUTION
Pioneer accepts no responsibility for data lost on the iPhone, even if that data is lost while this unit is used.

**Sequence of audio files**

The user cannot assign folder numbers and specify playback sequences with this unit. Sequence of audio file depends on the connected device. Note that the hidden files in a USB device cannot be played back.

---

**Example of a hierarchy**

```
  01
  02
  03
  04
  05

  ①
  ②
  ③
  ④
  ⑤
  ⑥
```

<table>
<thead>
<tr>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
<th>Level 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 to 05: Folder number</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>① to ⑥: Playback sequence</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

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Specifications

General
Power source: 14.4 V DC (10.8 V to 15.1 V allowable)
Grounding system: Negative type
Maximum current consumption: 10.0 A
Dimensions (W × H × D):
  - DIN
    - Chassis: 178 mm × 50 mm × 97 mm (7 in. × 2 in. × 3-7/8 in.)
    - Nose: 188 mm × 58 mm × 16 mm (7-3/8 in. × 2-1/4 in. × 5/8 in.)
  - D
    - Chassis: 178 mm × 50 mm × 97 mm (7 in. × 2 in. × 3-7/8 in.)
    - Nose: 170 mm × 46 mm × 16 mm (6-3/4 in. × 1-3/4 in. × 5/8 in.)
Weight: 0.5 kg (1.1 lbs)

Audio
Maximum power output:
  - 50 W × 4 ch/4 Ω (for no subwoofer)
  - 50 W × 2 ch/4 Ω + 70 W × 1 ch/2 Ω (for subwoofer)
Continuous power output:
  - 22 W × 4 (50 Hz to 15 000 Hz, 5 % THD, 4 Ω load, both channels driven)
Load impedance: 4 Ω (4 Ω to 8 Ω (2 Ω for 1 ch) allowable)
Preout maximum output level: 4.0 V
Equalizer (13-Band Graphic Equalizer):
  - Frequency: 50 Hz/80 Hz/125 Hz/200 Hz/315 Hz/500 Hz/800 Hz/1.25 kHz/2 kHz/3.15 kHz/5 kHz/8 kHz/12.5 kHz
  - Gain: ±12 dB (2 dB step)
High pass filter (Standard mode):
  - Frequency: 25 Hz/31.5 Hz/40 Hz/50 Hz/63 Hz/80 Hz/100 Hz/125 Hz/160 Hz/200 Hz/250 Hz
  - Slope: –6 dB/oct, –12 dB/oct, –18 dB/oct, –24 dB/oct, OFF
Subwoofer/Low pass filter (Standard mode):
  - Frequency: 25 Hz/31.5 Hz/40 Hz/50 Hz/63 Hz/80 Hz/100 Hz/125 Hz/160 Hz/200 Hz/250 Hz
  - Phase: Normal/Reverse
Speaker level (Standard mode):
  - +10 dB to –24 dB (1 dB step)
Time alignment (Standard mode):
  - 0 Inch to 140 Inch (1 inch/Step)
High pass filter (HIGH) (Network mode):
  - Frequency: 1.25 kHz/1.6 kHz/2 kHz/2.5 kHz/3.15 kHz/4 kHz/5 kHz/6.3 kHz/8 kHz/10 kHz/12.5 kHz
  - Slope: –6 dB/oct, –12 dB/oct, –18 dB/oct, –24 dB/oct
High pass filter (MID) (Network mode):
  - Frequency: 25 Hz/31.5 Hz/40 Hz/50 Hz/63 Hz/80 Hz/100 Hz/125 Hz/160 Hz/200 Hz/250 Hz
Slope: –6 dB/oct, –12 dB/oct, –18 dB/oct, –24 dB/oct, OFF
Low pass filter (MID) (Network mode):
  Frequency: 1.25 kHz/1.6 kHz/2 kHz/2.5 kHz/3.15 kHz/4 kHz/5 kHz/6.3 kHz/8 kHz/10 kHz/12.5 kHz
  Slope: –6 dB/oct, –12 dB/oct, –18 dB/oct, –24 dB/oct, OFF
Subwoofer (Network mode):
  Frequency: 25 Hz/31.5 Hz/40 Hz/50 Hz/63 Hz/80 Hz/100 Hz/125 Hz/160 Hz/200 Hz/250 Hz
  Phase: Normal/Reverse
Speaker level (Network mode):
  +10 dB to –24 dB (1 dB step)
Time alignment (Network mode):
  0 Inch to 140 Inch (1 inch/Step)

USB
USB standard specification: USB 2.0 full speed
Maximum current supply: 1.5 A
USB Protocol:
  MSC (Mass Storage Class)
  MTP (Media Transfer Protocol)
  AOA (Android Open Accessory) 2.0
File system: FAT12, FAT16, FAT32
MP3 decoding format: MPEG-1 & 2 Audio Layer 3
WMA decoding format: Ver. 7, 8, 9, 9.1, 9.2 (2 ch audio)
AAC decoding format: MPEG-4 AAC (iTunes encoded only) (Ver. 10.6 and earlier)
FLAC decoding format: v1.2.1 (Free Lossless Audio Codec)
WAV signal format: Linear PCM (Non-compressed)

FM tuner
Frequency range: 87.9 MHz to 107.9 MHz
Usable sensitivity: 11 dBf (1.0 μV/75 Ω, mono, S/N: 30 dB)
Signal-to-noise ratio: 65 dB (analog broadcasting) (IHF-A network)

AM tuner
Frequency range: 530 kHz to 1 710 kHz
Usable sensitivity: 25 μV (S/N: 20 dB)
Signal-to-noise ratio: 60 dB (analog broadcasting) (IHF-A network)

Bluetooth
Version: Bluetooth 4.0 certified
Output power: +4 dBm Maximum (Power class 2)
BLE (Bluetooth Low Energy) Version: 4.0 certified
BLE (Bluetooth Low Energy) Output power: +3 dBm Maximum
Frequency band(s): 2 400 MHz to 2 483.5 MHz
Bluetooth profiles:
  GAP (Generic Access Profile)
  SDAP (Service Discovery Application Profile)
  HFP (Hands Free Profile) 1.6
  PBAP (Phone Book Access Profile)
  A2DP (Advanced Audio Distribution Profile)
  AVRCP (Audio/Video Remote Control Profile) 1.5
  SPP (Serial Port Profile) 1.1

CEA2006 Specifications

Power output: 14 W RMS × 4 Channels (4 Ω and ≅ 1 % THD+N)
S/N ratio: 91 dBA (reference: 1 W into 4 Ω)

NOTE
Specifications and the design are subject to modifications without notice.
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Registre su producto en

http://www.pioneerelectronics.com

in Canada
au Canada http://www.pioneerelectronics.ca

— Learn about product updates (such as firmware updates) for your product.
— Register your product to receive notices about product updates and to safeguard purchase details in our files in the event of loss or theft.
— Access owner's manuals, spare parts information, service information, and much more.

— Informez-vous sur les mises à jour disponibles pour votre produit (telles que les mises à jour du firmware).
— Enregistrez votre produit afin de recevoir des notifications concernant les mises à jour du produit, ainsi que pour sauvegarder les détails de votre achat dans nos fichiers en cas de perte ou de vol.
— Accédez aux modes d'emploi, aux informations relatives aux pièces de rechange et à l’entretien, et à beaucoup d’autres informations.

— Infórmese de las últimas actualizaciones (por ejemplo, actualizaciones de firmware) para su producto.
— Registre su producto para recibir información sobre actualizaciones del producto y para mantener la seguridad de los detalles de su compra en nuestros archivos en caso de pérdida o robo.
— Acceso a manuales de instrucciones, información sobre piezas de recambio y mucho más.

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<QRI3209-B> UC
Quick start guide
Guide de démarrage rapide
Guía de inicio rápido

Basic operation

**MVH-MS512BS**

1. **M.C. (multi-control) dial**
2. **USB port**
3. **SRC (source)/OFF**
4. **DISP (display)**
5. **BAND/↓**
6. **BASS**
7. **AUX input jack (3.5 mm stereo jack)**
8. **Display window**
9. **Detach button**

---

### About the main menu

You can adjust various settings in the main menu.

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

2. Turn the M.C. dial to select one of the categories below, then press to confirm.
   - FUNCTION settings
   - AUDIO settings
   - SYSTEM settings
   - ILLUMINATION settings
   - MIXTRAX settings

3. Turn the M.C. dial to select the options, then press to confirm.

---

### Frequently used operations

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turn on the power</td>
<td>Press SRC/OFF to turn on the power. Press and hold SRC/OFF to turn off the power.</td>
</tr>
<tr>
<td>Adjust the volume</td>
<td>Turn the M.C. dial.</td>
</tr>
<tr>
<td>Select a source</td>
<td>Press SRC/OFF repeatedly.</td>
</tr>
<tr>
<td>Change the display information</td>
<td>Press DISP repeatedly.</td>
</tr>
<tr>
<td>Return to the previous display/list</td>
<td>Press BAND/↓.</td>
</tr>
<tr>
<td>Return to the normal display from the menu</td>
<td>Press and hold BAND/↓.</td>
</tr>
<tr>
<td>Change the display brightness</td>
<td>Press and hold BAND/↓.</td>
</tr>
<tr>
<td>Boost the bass level</td>
<td>Press BASS. You can select the bass level ([HI] or [LOW]) in [D.BASS].</td>
</tr>
</tbody>
</table>
The Safety of Your Ears is in Your Hands
Do not attempt to install or service this product by yourself. Installation or servicing of this product, Slowly increase the sound until you can hear it comfortably and clearly, without distortion.

ESTABLISH
• Do
• Cool down the unit In advance if your boat has been docked In direct sunlight.

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.

When you turn the ignition switch to ON after installation, the setup menu appears in the display.

WARNING
• Do not attempt to install or service this product by yourself. Installation or servicing of this product, Do not attempt to operate the unit while driving. Make sure to stop your boat in a safe location before installation.

AcAUTION
• When rear speaker output Is used by a 20 channel speaker system for this unit, Do not use 1 n to 3 n speakers for this unit.
• When speaker output is used by 4 channels, use speakers rated over 50 W (maximum input power) and between 4 O to 8 O (impedance value). Do not use 1 O to 3 O speakers for this unit.
• The product contains chemicals known to the State of California and other governmental entities to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

CAUTION
• Using this unit after your hands have touched sea water may cause rust or malfunction. Please wash your hands thoroughly with clean water before use.

Setup operation
When you turn the ignition switch to ON after installation, the setup menu appears in the display.

WARNING
Do not use the unit in standard mode when a speaker system for network mode is connected to the unit. Do not use the unit in network mode when a speaker system for standard mode is connected to the unit. This may cause damage to the speakers.

1 Turn the M.C. dial to select the options, then press to confirm. To proceed to the next menu option, you need to confirm your selection.

Menu Item Description

LANGUAGE (ENG)(English), (ESP)(Spanish), (FRA)(Canadian French)
Select the language to display the text information from a compressed audio file.

CLOCK SET
Set the clock.
1 Turn the M.C. dial to adjust the hour, then press to confirm.
   The indicator moves to the minute setting automatically.
2 Turn the M.C. dial to adjust the minute, then press to confirm.

SPEAKER MODE
Switch between two operation modes: the 2-way network mode (NETWORK) and the standard mode (STANDARD) according to the connections you have established.

After selecting the appropriate mode, turn the M.C. dial to select [YES], then press to confirm.

• You cannot complete the setup menu without setting the [SPEAKER MODE].

1 [QUIT :YES] appears. To return to the first item of the setup menu, turn the M.C. dial to select [QUIT :NO], then press to confirm.

2 Press the M.C. dial to confirm the settings.

Canceling the demonstration display (DEMO OFF)
1 Press the M.C. dial to display the main menu.
2 Turn the M.C. dial to select [SYSTEM], then press to confirm.
3 Turn the M.C. dial to select [DEMO OFF], then press to confirm.
4 Turn the M.C. dial to select [YES], then press to confirm.

Tuner operation
Receiving preset stations
1 Press SRC/OFF to select [RADIO].
2 Press BAND/ to select the band. [FM1] [FM2] [FM3] [AM]
3 Press a number button (1/2 to 6/2).

Best stations memory (BSM)

1 After selecting the band, press the M.C. dial to display the main menu.
2 Turn the M.C. dial to select [FUNCTION], then press to confirm.
3 Turn the M.C. dial to select [BSM], then press to confirm.

To store stations manually

1 While receiving the station you want to store, press and hold one of the number buttons (1/2 to 6/2) until it stops flashing.

USB/iPhone/AUX operation

(Phone source is not available when USB MTP is set to ON in the SYSTEM settings.)

USB/iPhone

1 Open the USB port cover.
2 Plug in the USB device/iPhone using an appropriate cable.

MTP connection

A device installed with Android OS 4.0 or most of later versions can be connected to the unit via MTP, using the cable supplied with the device. However, depending on the connected device, OS version or the numbers of the files in the device, audio files/songs may not be able to be played back via MTP.

NOTE

If you use an MTP connection, [USB MTP] needs to be set to [ON] in the SYSTEM settings.

Basic operations

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answer an incoming call</td>
<td>Press any button when a call is received.</td>
</tr>
<tr>
<td>End a call</td>
<td>Press [ ]</td>
</tr>
<tr>
<td>Reject an incoming call</td>
<td>Press and hold [ ] when a call is received.</td>
</tr>
</tbody>
</table>

Bluetooth telephone

Basic operations

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

2 Press SRC/OFF to select [AUX IN] as the source.

Bluetooth connection

Up to two Bluetooth telephones can be connected simultaneously.

1 Turn on the Bluetooth function of the device.
2 Select the unit name shown in the device display.
3 Make sure the same 6-digit number appears on this unit and the device.
4 Select [YES].

Installation

CAUTION

- To customer: This product includes a radio transmitter. According to UNECE Regulation no. 10, vessel manufacturers may impose specific conditions for the installation of radio transmitters into boats. Please check your boat’s operation manual or contact the manufacturer or your boat dealer before you install this unit.
- Carefully select the mounting location to avoid internal damage by water entering the unit. Areas subject to water splashes should be avoided.
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 boat.
- Do not install this unit where:
  - it may interfere with operation of the boat.
  - it may cause injury to a passenger as a result of a sudden stop.
- 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, 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.

Activating voice recognition mode
1 Press and hold M.C. and then talk into the microphone to input voice commands.
2 Screw in one screw on each side to hold the unit in place.
3 Pull the unit out of the dashboard.

To exit the voice recognition mode, press BAND/whatever.

Making a connection with Pioneer Smart Sync

Pioneer Smart Sync is the application that intelligently brings your favorite marine application, messages, and music together in the boat.

Download Now

WARNING
Do not attempt to operate the application while driving. Make sure to stop your boat in a safe location before attempting to use the controls on the application.

1 Enter the SYSTEM menu (refer to “About the main menu”).
2 Turn the M.C. dial to select [APP CONTROL], then press to confirm.
3 Turn the M.C. dial to select one of the below.
   - [WIRED] for the USB connection.
   - [BLUETOOTH] for the Bluetooth connection.
4 Turn the M.C. dial to select [AUTO APP CONN], then press to confirm.
5 Turn the M.C. dial to select [ON], then press to confirm.

Installing the microphone

1 Slide the microphone base to detach it from the microphone clip.

Preparing for the SiriusXM Satellite Radio service

1 Press SRC/OFF to select [SIRIUSXM].
2 Press M.C. to select Channel 0.
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.siriusxm.ca/activatexm
- Call 1-877-438-9677

4 [SUBSCRIPTION UPDATED] appears on the display when your SiriusXM Connect Vehicle Tuner has been subscribed successfully. Press any key to clear the activation message.
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PRODUCT WARRANTY PERIOD (Runs from the date of first retail sale) Parts Labor
Car Electronics, Speakers, and Accessories 1 Year 1 Year

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Your Authorized Pioneer Dealer - Your Pioneer Dealer may repair or replace your unit or refer you to an Authorized Pioneer Service Company. Your sales receipt should list the contact information (phone number, fax, email, etc.) for your Dealer.
Pioneer Customer Support - Can advise the optimal service option for your model and geographic location. Please call us at 1-800-421-1404 or visit www.pioneer-electronics.com (for USA) or http://www.pioneer-electronics.ca (for Canada), click on "Support," then select "Contact Us."

Shipping Your Unit for Service - YOU MUST FIRST CONTACT PIONEER TO GET RETURN AUTHORIZATION. PLEASE DO NOT SEND IN YOUR PRODUCT WITHOUT A RETURN AUTHORIZATION NUMBER. If you have a return authorization number, please package the product carefully and send it transportation prepaid by a traceable, insured method to an Authorized Pioneer Service Company or Pioneer. Use adequate padding material to prevent damage in transit. Include your name, address and a telephone number where you can be reached during business hours.

For questions about your product, please contact Pioneer Customer Support as described above or write to us at:

Customer Support
Pioneer Electronics (USA) Inc.
P.O. Box 1720
Long Beach, California 90801 U.S.A.

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RECORD THE PLACE AND DATE OF PURCHASE. KEEP THIS INFORMATION AND YOUR SALES RECEIPT IN A SAFE PLACE

Model No. Serial No. Purchase Date
Purchased From
PIONEER ELECTRONICS (USA) INC.

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INVALIDITÉ DE TOUTES AUTRES GARANTIES
DANS TOUTE LA MESURE AUTorisée PAR LA LOI, SAUF DISPOSITION CONTRAIRE DANS LE PRÉSENT DOCUMENT, PIONEER NE FAIT AUCUNE REPRÉSENTATION ET N’OFFRE AUCUNE GARANTIE, NI N’ACCEPTE AUCUNE CONDITION CONCERNANT CE PRODUIT. PIONEER LIMITÉ SES OBLIGATIONS EN VERTU DE TOUTES GARANTIES ET CONDITIONS IMPLICITES, Y COMPRIS, MAIS SANS S’Y LIMITER, LES GARANTIES ET CONDITIONS, EXPRÉSSES OU IMPLICITES, DE COMMERCIALITÉ ET D’ADAPTATION À UN USAGE PARTICULIER, A UNE PÉRIODE D’EXCÉDANT PAS LA PÉRIODE DE GARANTIE. SI CE PRODUIT A ÉTÉ ACHE TÉ À UNE AUTRE SOURCE, CETTE CONDITION OU CONDITION NE S’APPLIQUERA APRÈS LA PÉRIODE DE GARANTIE. Certains États et certaines provinces n’autorisent pas les limitations sur la durée d’une garantie implicite. Par conséquent, il se pourrait que certaines des limitations ou exclusions précitées ne s’appliquent pas à vous.

Cette garantie vous confère des droits spécifiques légaux, mais vous pouvez bénéficier d’autres droits qui peuvent varier selon les États ou les provinces. Dans la mesure où toute disposition de cette garantie limitée est considérée comme invalide ou inexécutable en vertu du droit applicable, elle sera sans effet sur les autres dispositions, qui resteront pleinement en vigueur.

DEMANDE DE SERVICE
Aux États-Unis et au Canada, pour recevoir un service de garantie vous devez présenter votre reçu de caisse indiquant le lieu et la date de la transaction d’origine. Pour toute demande de service, veuillez contacter :
Votre détaillant Pioneer autorisé - Votre détaillant Pioneer peut réparer ou remplacer votre appareil ou vous mettre en contact avec une entreprise de services Pioneer autorisée. Vous devrez fournir les coordonnées (numéro de téléphone, numéro de télécopieur, adresse de courriel, etc.) de votre détaillant sur votre reçu de caisse.
Support à la clientèle Pioneer - vous pouvez contacter le service client conseils sur le choix de l’option de service optimal pour votre modèle et votre région (pour les États-Unis) ou http://www.pioneer electronics.ca (pour le Canada), cliquez sur « Soutien », puis sélectionnez « Trouver un Centre de service ».
Exemple de votre appareil aux fins de service — VOUS DEVEZ D’ABORD CONTACTER PIONEER POUR OBTENIR UNE AUTORISATION DE RETOUR. VEUILLEZ NE PAS ENVOYER VOTRE PRODUIT SANS AVOIR D’ABORD CONTAC TÉ LE SERVICE À LA CLIENTÈLE. Si vous avez un numéro d’autorisation de retour, veuillez emballer le produit soigneusement et l’envoyer, frais de port prépayés, avec un service d’expédition traçable et assurable, à une société de services Pioneer autorisée ou à Pioneer. Utilisez les matériaux d’emballage fournis pour éviter les dommages pendant le transport. Incluez votre nom, votre adresse et un numéro de téléphone où nous pouvons vous joindre pendant les heures de bureau.

POUR TOUCHE QUESTION CONCERNANT VOTRE PRODUIT, VEUILLEZ CONTACTER LE SOUTIEN À LA CLIENTÈLE PIONEER COMME DÉCRIT CI-DESSUS ou écrivez-nous à :
Customer Support, Pioneer Electronics (USA) Inc., P.O. Box 1720, Long Beach, California 90801 U.S.A.

REGLEMENT DES CONFLITS
Dans le cas d’un conflit entre vous et Pioneer après votre réponse à votre demande initiale adressée service à la clientèle (Customer Support), Pioneer met à votre disposition son Programme de résolution des plaintes pour résoudre le conflit. Le Programme de résolution des plaintes est disponible sans frais. Aux États-Unis, appelez le 1-800-241-1404 ou visitez notre site Web à www.pioneerelectronics.com (pour les États-Unis) ou http://www.pioneer electronics.ca (pour le Canada), cliquez sur « Soutien », puis sélectionnez « Trouver un Centre de service ».

Enregistrer le lieu et la date d’achat. Veuillez garder ces informations et votre reçu de caisse dans un endroit sûr
N° de modèle N° de série Date d’achat
Acchété de

UCC1017

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