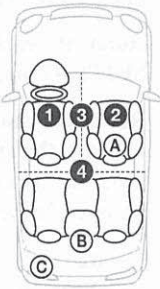


The options for "POSITION" are indicated below.

- FRONT L (1):** Front left
- FRONT R (2):** Front right
- FRONT (3):** Center front
- ALL (4):** In the center of your car
- OFF:** No position set



You can also set the approximate subwoofer position from your listening position if the listening position is set to other than "OFF."

The options for "SET SW POS" are indicated below.

- NEAR (A):** Near
- NORMAL (B):** Normal
- FAR (C):** Far

- 1 During reception/playback, press **(MENU)**, rotate the control dial until "SOUND" appears, then press it.
- 2 Rotate the control dial until "POSITION" appears, then press it.
- 3 Rotate the control dial until "SET F/R POS" appears, then press it.
- 4 Rotate the control dial to select from "FRONT L," "FRONT R," "FRONT" or "ALL," then press it.
- 5 Rotate the control dial until "SET SW POS" appears, then press it.
- 6 Rotate the control dial to select the subwoofer position from "NEAR," "NORMAL" or "FAR," then press it.
- 7 Press **(BACK)** to return to the previous display.

To cancel listening position, select "OFF" in step 4.

Adjusting the listening position

You can fine-tune the listening position setting.

- 1 During reception/playback, press **(MENU)**, rotate the control dial until "SOUND" appears, then press it.
- 2 Rotate the control dial until "POSITION" appears, then press it.
- 3 Rotate the control dial until "ADJ POSITION" appears, then press it.
- 4 Rotate the control dial to adjust the listening position, then press it.
Adjustable range: "+3" - "CENTER" - "-3."
- 5 Press **(BACK)** to return to the previous display.

DM+ Advanced

DM+ Advanced improves digitally compressed sound by restoring high frequencies lost in the compression process.

- 1 During playback, press **(MENU)**, rotate the control dial until "SOUND" appears, then press it.
- 2 Rotate the control dial until "DM+" appears, then press it.
- 3 Rotate the control dial to select "ON," then press it.
- 4 Press **(BACK)** to return to the previous display.

Tip

The DM+ setting can be memorized for each source other than the tuner.

Using rear speakers as subwoofer — Rear Bass Enhancer

Rear Bass Enhancer enhances the bass sound by applying a low pass filter setting (page 37) to the rear speakers. This function allows the rear speakers to work as a subwoofer if one is not connected.

- 1 During reception/playback, press **(MENU)**, rotate the control dial until “SOUND” appears, then press it.
- 2 Rotate the control dial until “RB ENH” appears, then press it.
- 3 Rotate the control dial until “RBE MODE” appears, then press it.
- 4 Rotate the control dial to select from “1,” “2” or “3,” then press it.
- 5 Press **↶** (BACK) to return to the previous display.

Using a subwoofer without a power amplifier — Subwoofer Direct Connection

You can use the subwoofer without a power amplifier when it is connected to the rear speaker cord.

Note

Be sure to connect a 4 - 8 ohm subwoofer to either of the rear speaker cords. Do not connect a speaker to the other rear speaker cord.

- 1 During reception/playback, press **(MENU)**, rotate the control dial until “SOUND” appears, then press it.
- 2 Rotate the control dial until “SW DIREC” appears, then press it.
- 3 Rotate the control dial until “SW MODE” appears, then press it.

- 4 Rotate the control dial to select “1,” “2” or “3,” then press it.
- 5 Press **↶** (BACK) to return to the previous display.

For details on the settings for the subwoofer phase, position, low pass filter frequency and the low pass filter slope, see page 37.

Adjusting setup items

- 1 Press **(MENU)**, rotate the control dial until the desired category appears, then press it.
- 2 Rotate the control dial until the desired item appears, then press it.
- 3 Rotate the control dial to select the setting, then press it.*
The setting is complete.
- 4 Press **↶** (BACK) to return to the previous display.

* For CLOCK-ADJ and BTM settings, step 4 is not necessary.

The following items can be set depending on the source and setting:

GENERAL:

CLOCK-ADJ (Clock Adjust) (page 7)

CAUT ALM*¹ (Caution Alarm)

Activates the caution alarm: “ON,” “OFF” (page 7).

BEEP

Activates the beep sound: “ON,” “OFF.”

AUTO OFF

Shuts off automatically after a desired time when the unit is turned off: “NO,” “30S (Seconds),” “30M (Minutes),” “60M (Minutes).”

AUX-A^{*1*2} (AUX Audio)

Activates the AUX source display: "ON," "OFF" (page 38).

CT (Clock Time)

Activates the CT function: "ON," "OFF" (page 12).

BTM^{*3} (page 11)

ZAPPIN^{*4}**ZAP TIME** (Zappin Time)

Selects the playback time for the ZAPPIN function.

- "Z.TIME-1 (about 6 seconds),"
- "Z.TIME-2 (about 15 seconds),"
- "Z.TIME-3 (about 30 seconds)."

ZAP BEEP (Zappin Beep)

Applies a beep sound between track passages: "ON," "OFF."

PARENTAL^{*5}

Sets the parental lock to "ON" or "OFF," and edits the passcode (page 39).

*1 When the unit is turned off.

*2 Does not appear in App Remote.

*3 When the tuner is selected.

*4 When the CD or USB is selected.

*5 When the SiriusXM Vehicle Tuner is connected.

SOUND:

EQ7 PRESET (page 33)

EQ7 SETTING (page 33)

POSITION

SET F/R POS (Set Front/Rear Position) (page 34)

ADJ POSITION^{*1} (Adjust Position) (page 34)

SET SW POS^{*1} (Set Subwoofer Position) (page 34)

BALANCE

Adjusts the sound balance: "RIGHT-15" - "CENTER" - "LEFT-15."

FADER

Adjusts the relative level: "FRONT-15" - "CENTER" - "REAR-15."

DM+^{*2} (page 34)

LOUDNESS (Dynamic Loudness)

Reinforces bass and treble for clear sound at low volume levels: "ON," "OFF."

ALO (Automatic Level Optimizer)

Adjust the playback volume level of all playback sources to the optimum level: "ON," "OFF."

RB ENH^{*3} (Rear Bass Enhancer)

RBE MODE (Rear Bass Enhancer Mode)

Selects the rear bass enhancer mode: "1," "2," "3," "OFF."

LPF FREQ (Low Pass Filter Frequency)

Selects the subwoofer cut-off frequency: "50Hz," "60Hz," "80Hz," "100Hz," "120Hz."

LPF SLOP (Low Pass Filter Slope)

Selects the LPF slope: "1," "2," "3."

SW DIREC^{*4} (Subwoofer Direct

Connection)

SW MODE (Subwoofer Mode)

Selects the subwoofer mode: "1," "2," "3," "OFF."

SW PHASE (Subwoofer Phase)

Selects the subwoofer phase: "NORM," "REV."

SW POS^{*1} (Subwoofer Position)

(page 34)
Selects the subwoofer position: "NEAR," "NORMAL," "FAR."

LPF FREQ (Low Pass Filter Frequency)

Selects the subwoofer cut-off frequency: "50Hz," "60Hz," "80Hz," "100Hz," "120Hz."

LPF SLOP (Low Pass Filter Slope)

Selects the LPF slope: "1," "2," "3."

S.WOOFER (Subwoofer)**SW LEVEL** (Subwoofer Level)

Adjusts the subwoofer volume level:
“+10 dB” – “0 dB” – “-10 dB.”
(“ATT” is displayed at the lowest setting.)

SW PHASE (Subwoofer Phase)

Selects the subwoofer phase: “NORM,”
“REV.”

SW POS*¹ (Subwoofer Position)

Selects the subwoofer position: “NEAR,”
“NORMAL,” “FAR.”

LPF FREQ (Low Pass Filter Frequency)

Selects the subwoofer cut-off frequency:
“50Hz,” “60Hz,” “80Hz,” “100Hz,”
“120Hz.”

LPF SLOP (Low Pass Filter Slope)

Selects the LPF slope: “1,” “2,” “3.”

HPF (High Pass Filter)**HPF FREQ** (High Pass Filter Frequency)

Selects the front/rear speaker cut-off
frequency: “OFF,” “50Hz,” “60Hz,”
“80Hz,” “100Hz,” “120Hz.”

HPF SLOP (High Pass Filter Slope)

Selects the HPF slope (effective only
when HPF FREQ is set to other than
“OFF”): “1,” “2,” “3.”

AUX VOL*⁵ (AUX Volume Level)

Adjusts the volume level for each
connected auxiliary equipment:
“+18 dB” – “0 dB” – “-8 dB.”

This setting negates the need to adjust
the volume level between sources.

BTA VOL (Bluetooth Audio Volume
Level)*⁶ (page 29)

*1 Does not appear when “SET F/R POS” is set to
“OFF.”

*2 Does not appear when the tuner is selected.

*3 When “SW DIREC” is set to “OFF.”

*4 When “RBE MODE” is set to “OFF.”

*5 When the AUX is selected.

*6 When Bluetooth audio source is activated.

DISPLAY:**DEMO** (Demonstration)

Activates the demonstration: “ON,”
“OFF.”

DIMMER

Changes the display brightness.

- “AT”: to dim the display automatically
when you turn lights on. (Available only
when the illumination control lead is
connected.)
 - “ON”: to dim the display.
 - “OFF”: deactivate the dimmer.
-

COLOR (Preset Color)

Selects the preset color of the display and
buttons on the main unit (page 20).

CUSTOM-C (Custom Color)

Selects a preset color as a basis for
further customizing (page 21).

SND SYNC

Selects the color with sound
synchronization: “ON,” “OFF”
(page 21).

WHT MENU

Sets the effect when the source is
switched: “ON,” “OFF” (page 21).

START-WHT

Sets the start up color: “ON,” “OFF”
(page 22).

AUTO SCR* (Auto Scroll)

Scrolls long items automatically: “ON,”
“OFF.”

* When the CD or USB is selected.

BT (Bluetooth):

For details on setup items for the Bluetooth
settings, see page 23.

APP REM:

Start establishing App Remote.

Using optional equipment

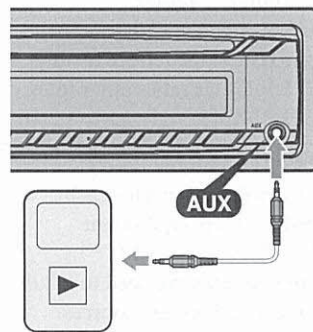
Auxiliary audio equipment

By connecting an optional portable audio device to the AUX input jack (stereo mini jack) on the unit and then simply selecting the source, you can listen on your car speakers.

Connecting the portable audio device

- 1 Turn off the portable audio device.
- 2 Turn down the volume on the unit.
- 3 Connect the portable audio device to the unit with a connecting cord (not supplied)*.

* Be sure to use a straight type plug.



Adjusting the volume level

Be sure to adjust the volume for each connected audio device before playback.

- 1 Turn down the volume on the unit.
- 2 Press **SOURCE/OFF** repeatedly until "AUX" appears.
- 3 Start playback of the portable audio device at a moderate volume.
- 4 Set your usual listening volume on the unit.
- 5 Adjust the input level (page 37).

SiriusXM Vehicle Tuner

Everything worth listening to is on SiriusXM, getting over 130 channels, including the most commercial-free music, plus the best sports, news, talk and entertainment. A SiriusXM Vehicle Tuner (sold separately) and Subscription are required. For more information, visit www.siriusxm.com.

To listen to SiriusXM Satellite Radio, a subscription is required. Activate the SiriusXM Vehicle Tuner using one of the two methods below:

- Online: Go to www.siriusxm.com/activatenow
- Phone: Call 1-866-635-2349

For SiriusXM activation, the Radio ID is required.

Displaying the SiriusXM Radio ID

- 1 During playback, press **Q** (BROWSE) to enter the browse mode.
- 2 Rotate the control dial to select the channel "0," then press it.

Note

To select "SIRIUSXM," press **(SOURCE/OFF)** beforehand.

Selecting channels

- 1 Press **Q** (BROWSE) to enter the browse mode.
- 2 Rotate the control dial to select the desired channel, then press it.

Selecting channels from categories

- 1 Press **(PTY/CAT)** to enter browse mode.
- 2 Rotate the control dial to select the desired category, then press it.

Storing channels

- 1 While receiving the channel that you want to store, press and hold a number button (**1** to **6**) until "MEM" appears.

To receive the stored channel, select "SX1," "SX2" or "SX3" by pressing **(MODE)**, then press a number button (**1** to **6**).

Parental control

Some SiriusXM channels contain content that is not suitable for children. You can enable a parental control passcode for these channels.

- 1 On the GENERAL menu (page 35), rotate the control dial to select "PARENTAL," then press it.
- 2 Rotate the control dial to select "LOCK SEL," then press it.
- 3 Rotate the control dial to select "LOCK-ON," then press it.

To unblock the channels, select "OFF" in step 3, then enter the passcode. The initial passcode is "0000."

Changing the passcode

- 1 On the GENERAL menu (page 35), rotate the control dial to select "PARENTAL," then press it.
- 2 Rotate the control dial to select "CODE EDIT," then press it.
- 3 On the current passcode input display, enter the current passcode, then press the control dial.
The initial passcode is "0000."
- 4 On the new passcode input display, enter your new 4-digit passcode, then press the control dial.

Changing display items

Press **(DSPL)** to change as follows:
Channel Number (Default) → Channel Name → Artist Name → Song Title → Content Info → Category Name → Clock

Additional Information

Precautions

- Cool off the unit beforehand if your car has been parked in direct sunlight.
- Do not leave the front panel or audio devices brought in inside the car, or it may cause malfunction due to high temperature in direct sunlight.
- Power antenna (aerial) extends automatically.

Moisture condensation

Should moisture condensation occur inside the unit, remove the disc and wait for about an hour for it to dry out; otherwise the unit will not operate properly.

To maintain high sound quality

Do not splash liquid onto the unit or discs.

Notes on discs

- Do not expose discs to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight.
- Before playing, wipe the discs with a cleaning cloth from the center out. Do not use solvents such as benzine, thinner, commercially available cleaners.
- This unit is designed to play back discs that conform to the Compact Disc (CD) standard. DualDiscs and some of the music discs encoded with copyright protection technologies do not conform to the Compact Disc (CD) standard, therefore, these discs may not be playable by this unit.



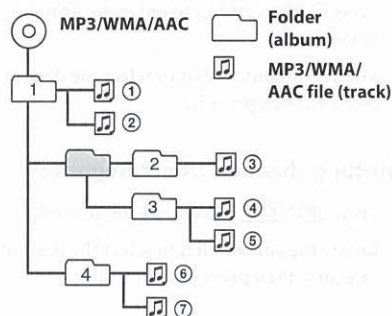
Discs that this unit CANNOT play

- Discs with labels, stickers, or sticky tape or paper attached. Doing so may cause a malfunction, or may ruin the disc.
- Discs with non-standard shapes (e.g., heart, square, star). Attempting to do so may damage the unit.
- 8 cm (3 1/4 in) discs.

Notes on CD-R/CD-RW discs

- The maximum number of: (CD-R/CD-RW only)
 - folders (albums): 150 (including root folder)
 - files (tracks) and folders: 300 (may less than 300 if folder/file names contain many characters)
 - displayable characters for a folder/file name: 32 (Joliet)/64 (Romeo)
- If the multi-session disc begins with a CD-DA session, it is recognized as a CD-DA disc, and other sessions are not played back.
- Discs that this unit CANNOT play
 - CD-R/CD-RW of poor recording quality.
 - CD-R/CD-RW recorded with an incompatible recording device.
 - CD-R/CD-RW which is finalized incorrectly.
 - CD-R/CD-RW other than those recorded in music CD format or MP3 format conforming to ISO9660 Level 1/Level 2, Joliet/Romeo or multi-session.

Playback order of MP3/WMA/AAC files



About iPod

- You can connect to the following iPod models. Update your iPod devices to the latest software before use.

Made for

- iPod touch (4th generation)
- iPod touch (3rd generation)
- iPod touch (2nd generation)
- iPod classic
- iPod nano (6th generation)
- iPod nano (5th generation)
- iPod nano (4th generation)
- iPod nano (3rd generation)
- iPod nano (2nd generation)
- iPod nano (1st generation)*
- iPhone 4S
- iPhone 4
- iPhone 3GS
- iPhone 3G

* Passenger control is not available for iPod nano (1st generation).

- “Made for iPod” and “Made for iPhone” mean that an electronic accessory has been designed to connect specifically to iPod or iPhone respectively and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.

About Bluetooth function

What is Bluetooth technology?

- Bluetooth wireless technology is a short-range wireless technology that enables wireless data communication between digital devices, such as a cellular phone and a headset. Bluetooth wireless technology operates within a range of about 10 m (about 33 feet). Connecting two devices is common, but some devices can be connected to multiple devices at the same time.

- You do not need to use a cable for connection since Bluetooth technology is a wireless technology, neither is it necessary for the devices to face one another, such is the case with infrared technology. For example, you can use such a device in a bag or pocket.
- Bluetooth technology is an international standard supported by millions of companies all over the world, and employed by various companies worldwide.

On Bluetooth communication

- Bluetooth wireless technology operates within a range of about 10 m. Maximum communication range may vary depending on obstacles (person, metal, wall, etc.) or electromagnetic environment.
- The following conditions may affect the sensitivity of Bluetooth communication.
 - There is an obstacle such as a person, metal, or wall between this unit and Bluetooth device.
 - A device using 2.4 GHz frequency, such as a wireless LAN device, cordless telephone, or microwave oven, is in use near this unit.
- Because Bluetooth devices and wireless LAN (IEEE802.11b/g) use the same frequency, microwave interference may occur and result in communication speed deterioration, noise, or invalid connection if this unit is used near a wireless LAN device. In such a case, perform the following.
 - Use this unit at least 10 m away from the wireless LAN device.
 - If this unit is used within 10 m of a wireless LAN device, turn off the wireless LAN device.
 - Install this unit and Bluetooth device as near to each other as possible.
- Microwaves emitting from a Bluetooth device may affect the operation of electronic medical devices. Turn off this unit and other Bluetooth devices in the following locations, as it may cause an accident.
 - where inflammable gas is present, in a hospital, train, airplane, or petrol station
 - near automatic doors or a fire alarm

- This unit supports security capabilities that comply with the Bluetooth standard to provide a secure connection when the Bluetooth wireless technology is used, but security may not be enough depending on the setting. Be careful when communicating using Bluetooth wireless technology.
- We do not take any responsibility for the leakage of information during Bluetooth communication.
- Connection with all Bluetooth devices cannot be guaranteed.
 - A device featuring Bluetooth function is required to conform to the Bluetooth standard specified by Bluetooth SIG, and be authenticated.
 - Even if the connected device conforms to the above mentioned Bluetooth standard, some devices may not be connected or work correctly, depending on the features or specifications of the device.
 - While talking on the phone hands free, noise may occur, depending on the device or communication environment.
- Depending on the device to be connected, it may require some time to start communication.

Others

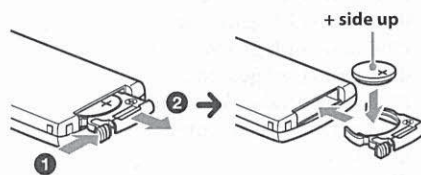
- Using the Bluetooth device may not function on cellular phones, depending on radio wave conditions and location where the equipment is being used.
- If you experience discomfort after using the Bluetooth device, stop using the Bluetooth device immediately. Should any problem persist, consult your nearest Sony dealer.

If you have any questions or problems concerning your unit that are not covered in this manual, consult your nearest Sony dealer.

Maintenance

Replacing the lithium battery of the remote commander

When the battery becomes weak, the range of the remote commander becomes shorter. Replace the battery with a new CR2025 lithium battery. Use of any other battery may present a risk of fire or explosion.



Notes on the lithium battery

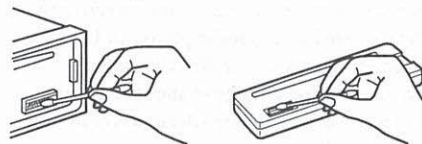
- Keep the lithium battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.
- Wipe the battery with a dry cloth to assure a good contact.
- Be sure to observe the correct polarity when installing the battery.
- Do not hold the battery with metallic tweezers, otherwise a short-circuit may occur.

WARNING

Battery may explode if mistreated.
Do not recharge, disassemble, or dispose of in fire.

Cleaning the connectors

The unit may not function properly if the connectors between the unit and the front panel are not clean. In order to prevent this, detach the front panel (page 7) and clean the connectors with a cotton swab. Do not apply too much force. Otherwise, the connectors may be damaged.



Notes

- For safety, turn off the ignition before cleaning the connectors, and remove the key from the ignition switch.
- Never touch the connectors directly with your fingers or with any metal device.

Specifications

FOR UNITED STATES CUSTOMERS. NOT APPLICABLE IN CANADA, INCLUDING IN THE PROVINCE OF QUEBEC.

POUR LES CONSOMMATEURS AUX ÉTATS-UNIS. NON APPLICABLE AU CANADA, Y COMPRIS LA PROVINCE DE QUÉBEC.

AUDIO POWER SPECIFICATIONS



CEA2006 Standard
Power Output: 17 Watts RMS × 4 at
4 Ohms < 1% THD+N
SN Ratio: 80 dB
(reference: 1 Watt into 4 Ohms)

Tuner section

FM

Tuning range: 87.5 – 107.9 MHz

Antenna (aerial) terminal:

External antenna (aerial) connector

Intermediate frequency: 25 kHz

Usable sensitivity: 8 dBf

Selectivity: 75 dB at 400 kHz

Signal-to-noise ratio: 80 dB (stereo)

Separation: 50 dB at 1 kHz

Frequency response: 20 – 15,000 Hz

AM

Tuning range: 530 – 1,710 kHz

Antenna (aerial) terminal:

External antenna (aerial) connector

Intermediate frequency:

9,115 kHz or 9,125 kHz/5 kHz

Sensitivity: 26 μ V

CD Player section

Signal-to-noise ratio: 120 dB

Frequency response: 10 – 20,000 Hz

Wow and flutter: Below measurable limit

USB Player section

Interface: USB (Full-speed)

Maximum current: 1 A

Wireless Communication

Communication System:

Bluetooth Standard version 2.1 + EDR

Output:

Bluetooth Standard Power Class 2

(Max. +4 dBm)

Maximum communication range:

Line of sight approx. 10 m (33 ft)*1

Frequency band:

2.4 GHz band (2.4000 – 2.4835 GHz)

Modulation method: FHSS

Compatible Bluetooth Profiles*2:

A2DP (Advanced Audio Distribution Profile)

1.2

AVRCP (Audio Video Remote Control Profile)

1.3

HFP (Handsfree Profile) 1.5

PBAP (Phone Book Access Profile)

SPP (Serial Port Profile)

*1 The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, reception sensitivity, antenna (aerial)'s performance, operating system, software application, etc.

*2 Bluetooth standard profiles indicate the purpose of Bluetooth communication between devices.

Power amplifier section

Output: Speaker outputs

Speaker impedance: 4 – 8 ohms

Maximum power output: 52 W × 4 (at 4 ohms)

General

Outputs:

Audio outputs terminal (front, rear, sub)

Power antenna (aerial)/Power amplifier control

terminal (REM OUT)

Inputs:

SiriusXM input terminal

Remote controller input terminal

Antenna (aerial) input terminal

MIC input terminal

AUX input jack (stereo mini jack)

USB port

Power requirements: 12 V DC car battery
(negative ground (earth))

Dimensions: Approx. 178 × 50 × 177 mm
(7 ¹/₈ × 2 × 7 in) (w/h/d)

Mounting dimensions: Approx. 182 × 53 × 160 mm
(7 ¹/₄ × 2 ¹/₈ × 6 ⁵/₁₆ in) (w/h/d)

Mass: Approx. 1.2 kg (2 lb 11 oz)

Supplied accessories:

- Remote commander: RM-X231
- Microphone
- Parts for installation and connections (1 set)

Optional accessories/equipment:

- USB connection cable for iPod: RC-100IP
- SiriusXM Vehicle Tuner: SXV100

Your dealer may not handle some of the above listed accessories. Please ask the dealer for detailed information.

Design and specifications are subject to change without notice.

Troubleshooting

The following checklist will help you remedy problems you may encounter with your unit. Before going through the checklist below, check the connection and operating procedures.

For details on using the fuse and removing the unit from the dashboard, refer to the installation/connections manual supplied with this unit.

If the problem is not solved, visit the support site on the back cover.

General

No power is being supplied to the unit.

- Check the connection or fuse.
- If the unit is turned off and the display disappears, the unit cannot be operated with the remote commander.
 - Turn on the unit.

The power antenna (aerial) does not extend.

- The power antenna (aerial) does not have a relay box.

No sound.

- The ATT function is activated.
- The position of the fader control "FADER" is not set for a 2-speaker system.

No beep sound.

- The beep sound is canceled (page 35).
- An optional power amplifier is connected and you are not using the built-in amplifier.

The contents of the memory have been erased.

- The power supply lead or battery has been disconnected or not connected properly.
- The unit is reset.
 - Store again in the memory.

Stored stations and correct time are erased.

The fuse has blown.

Makes noise when the position of the ignition is switched.

- The leads are not matched correctly with the car's accessory power connector.

During playback or reception, demonstration mode starts.

- If no operation is performed for 5 minutes with "DEMO-ON" set, demonstration mode starts.
 - Set "DEMO-OFF" (page 37).

The display disappears from/does not appear in the display window.

- The dimmer is set to "DIM-ON" (page 37).
- The display disappears if you press and hold **(SOURCE/OFF)**.
 - Press **(SOURCE/OFF)** on the unit until the display appears.
- The connectors are dirty (page 42).

The Auto Off function does not operate.

- The unit is turned on. The Auto Off function activates after turning off the unit.
 - Turn off the unit.

The operation buttons do not function.**The disc will not eject.**

- Press **(DSPL)** and **(BACK)/(MODE)** for more than 2 seconds.
The contents stored in memory are erased.
For your safety, do not perform the reset operation while you are driving.

Radio reception**The stations cannot be received.****The sound is hampered by noises.**

- The connection is not correct.
 - Connect an REM OUT lead (blue/white striped) or accessory power supply lead (red) to the power supply lead of a car's antenna (aerial) booster (only when your car has built-in radio antenna (aerial) in the rear/side glass).
 - Check the connection of the car antenna (aerial).
 - If the auto antenna (aerial) will not go up, check the connection of the power antenna (aerial) control lead.

Preset tuning is not possible.

- Store the correct frequency in the memory.
- The broadcast signal is too weak.

Automatic tuning is not possible.

- The broadcast signal is too weak.
 - Perform manual tuning.

RDS**PTY displays "- - - - -"**

- The current station is not an RDS station.
- RDS data has not been received.
- The station does not specify the program type.

CD playback**The disc cannot be loaded.**

- Another disc is already loaded.
- The disc has been forcibly inserted upside down or in the wrong way.

The disc does not play back.

- Defective or dirty disc.
- The CD-Rs/CD-RWs are not for audio use (page 40).

MP3/WMA/AAC files cannot be played back.

- The disc is incompatible with the MP3/WMA/AAC format and version. For details on playable discs and formats, visit the support site.

MP3/WMA/AAC files take longer to play back than others.

- The following discs take a longer time to start playback.
 - A disc recorded with a complicated tree structure.
 - A disc recorded in Multi Session.
 - A disc to which data can be added.

The display items do not scroll.

- For discs with very many characters, those may not scroll.
- "AUTO SCR" is set to "OFF."
 - Set "A.SCRL-ON" (page 37).
 - Press and hold **(DSPL)** (SCRL).

The sound skips.

- Installation is not correct.
 - Install the unit at an angle of less than 45° in a sturdy part of the car.
- Defective or dirty disc.

USB playback

You cannot play back items via a USB hub.

- This unit cannot recognize USB devices via a USB hub.

Cannot play back items.

- A USB device does not work.
 - Connect it again.

A USB device takes longer to play back.

- The USB device contains files with a complicated tree structure.

The sound is intermittent.

- The sound may be intermittent at a high-bit-rate of more than 320 kbps.

Pandora® connection is not possible.

- Shut down Pandora® application on the mobile device, and then launch again.

Application name is mismatched with the actual application in App Remote.

- Launch the application again from the “App Remote” application.

Bluetooth function

The connecting device cannot detect this unit.

- Before the pairing is made, set this unit to pairing standby mode.
- While connected to a Bluetooth device, this unit cannot be detected from another device.
 - Disconnect the current connection and search for this unit from another device.
- When the device pairing is made, set the Bluetooth signal output to on (page 23, 24, 25).

Connection is not possible.

- The connection is controlled from one side (this unit or Bluetooth device), but not both.
 - Connect to this unit from a Bluetooth device or vice versa.
- Check the pairing and connection procedures in the manual of the other device, etc., and perform the operation again.

The name of the detected device does not appear.

- Depending on the status of the other device, it may not be possible to obtain the name.

No ringtone.

- Adjust the volume by rotating the control dial while receiving a call.
- Depending on the connecting device, the ringtone may not be sent properly.
 - Set “RINGTONE” to “1” (page 23).
- The front speakers are not connected to the unit.
 - Connect the front speakers to the unit. The ringtone is output only from the front speakers.

The talker’s voice volume is low.

- Adjust the volume level.

The talker’s voice cannot be heard.

- The front speakers are not connected to the unit.
 - Connect the front speakers to the unit. The talker’s voice is output only from the front speakers.

A call partner says that the volume is too low or high.

- Adjust the volume accordingly using mic gain adjustment (page 27).

Echo or noise occurs in phone call conversations.

- Lower the volume.
- Set EC/NC Mode to “EC/NC-1” or “EC/NC-2” (page 27).
- If the ambient noise other than the phone call sound is loud, try reducing this noise.
E.g.: If a window is open and road noise, etc., is loud, shut the window. If an air conditioner is loud, lower the air conditioner.

The phone is not connected.

- When Bluetooth audio is played, the phone is not connected even if you press **CALL**.
 - Connect from the phone.

The phone sound quality is poor.

- Phone sound quality depends on reception conditions of cellular phone.
 - Move your car to a place where you can enhance the cellular phone's signal if the reception is poor.

The volume of the connected audio device is low (high).

- Volume level will differ depending on the audio device.
 - Adjust the volume of the connected audio device or this unit.

No sound is heard from the Bluetooth audio device.

- The audio device is paused.
 - Cancel pause of the audio device.

The sound skips during playback of a Bluetooth audio device.

- Reduce the distance between the unit and the Bluetooth audio device.
- If the Bluetooth audio device is stored in a case which interrupts the signal, remove the audio device from the case during use.
- Several Bluetooth devices or other devices which emit radio waves are in use nearby.
 - Turn off the other devices.
 - Increase the distance from the other devices.
- The playback sound stops momentarily when the connection between this unit and the cellular phone is being made. This is not a malfunction.

The connected Bluetooth audio device cannot be controlled.

- Check that the connected Bluetooth audio device supports AVRCP.

Some functions do not work.

- Check if the connecting device supports the functions in question.

The name of the other party does not appear when a call is received.

- The calling phone is not set to send the phone number.

A call is answered unintentionally.

- The connecting phone is set to answer a call automatically.
- "AUTO ANS" of this unit is set to "ANS-1" or "ANS-2" (page 23).

Pairing failed due to time out.

- Depending on the connecting device, the time limit for pairing may be short.
 - Try completing the pairing within the time.

Bluetooth function cannot operate.

- Turn off the unit by pressing **(SOURCE/OFF)** for more than 2 seconds, then turn the unit on again.

No sound is output from the car speakers during handsfree call.

- If the sound is output from the cellular phone, set the cellular phone to output the sound from the car speakers.

Pandora® connection is not possible.

- Shut down the Pandora® application on the mobile device, and then launch again.

Application name is mismatched with the actual application in App Remote.

- Launch the application again from the "App Remote" application.

While running the "App Remote" application via Bluetooth, the display automatically switches to "BT AUDIO."

- The "App Remote" application or Bluetooth function has failed.
 - Run the application again.

Error displays/Messages

CHECKING

- The unit is confirming the connection of a USB device.
 - Wait until confirming the connection is finished.

ERROR

- The disc is dirty or inserted upside down.
 - Clean or insert the disc correctly.
- A blank disc has been inserted.

- The disc cannot play due to a problem.
 - Insert another disc.
- USB device was not automatically recognized.
 - Connect it again.
- Press **▲** to remove the disc.

FAILURE

- The connection of speakers/amplifiers is incorrect.
 - See the installation/connections manual of this model to check the connection.

HUB NO SUPRT (Hubs Not Supported)

- USB hub is not supported on this unit.

NO DEV (No Device)

- "USB" is selected as source without a USB device connected. A USB device or a USB cable has been disconnected during playback.
 - Be sure to connect a USB device and USB cable.

NO DISC

- The disc is ejected, or "CD" is selected as the source without inserting the disc.

NO MUSIC

- The disc or USB device does not contain a music file.
 - Insert a music CD in this unit.
 - Connect a USB device with a music file in it.

NO NAME

- A disc/album/artist/track name is not written in the track.

NOT FOUND

- There is no item beginning with the selected letter in Alphabet search.

OFFSET

- There may be an internal malfunction.
 - Check the connection. If the error indication remains on in the display, consult your nearest Sony dealer.

OVERLOAD

- USB device is overloaded.
 - Disconnect the USB device, then change the source by pressing **(SOURCE/OFF)**.
 - Indicates that the USB device is out of order, or an unsupported device is connected.

PUSH EJT (Push Eject)

- The disc cannot be ejected.
 - Press **▲** (eject) (page 9).

READ

- The unit is reading all track and album information on the disc.
 - Wait until reading is complete and playback starts automatically. Depending on the disc structure, it may take more than a minute.

USB NO SUPRT (USB Not Supported)

- The connected USB device is not supported.
 - For details on the compatibility of your USB device, visit the support site.

"LLLLL" or "rrrrr"

- During reverse or fast-forward, you have reached the beginning or the end of the disc and you cannot go any further.

"_"

- The character cannot be displayed with the unit.

For Bluetooth function:

BT BUSY (Bluetooth Busy)

- The phonebook and the call history of the cellular phone are not accessible from this unit.
 - Wait for a while, and then try again.

EMPTY

- The call history is empty.

ERROR

- BT Initialize failed.
- Phonebook access failed.
- Phonebook content was changed while accessing the cellular phone.
 - Access the phonebook in the cellular phone again.

MEM FAILURE (Memory Failure)

- This unit failed to store the contact in the preset dial.
 - Make sure that the number you intend to store is correct (page 28).

MEMORY BUSY

- This unit is storing data.
 - Wait until storing has finished.

NO DEV (No Device)

- Bluetooth audio source is selected without a Bluetooth audio device connected. A Bluetooth audio device has been disconnected during a call.
 - Be sure to connect a Bluetooth audio device.
- Bluetooth phone source is selected without a cellular phone connected. A cellular phone has been disconnected during a call.
 - Be sure to connect a cellular phone.

NO INFO (No Information)

- Network name and cellular phone name are not received with cellular phone connected.

P (preset number) EMPTY

- The preset dial is empty.

UNKNOWN

- Name or phone number cannot be displayed when browsing phonebook or call history.

WITHHELD

- Phone number is hidden by caller.

For App Remote operation:

APP ----- (Application)

- Connection with the application is not made.
 - Establish iPhone connection again.

APP MENU (Application Menu)

- Button operation cannot be performed while a menu on iPhone/Android phone is open.
 - Exit the menu on iPhone/Android phone.

APP NO DEV (Application No Device)

- The device with the application installed is not connected.
 - Connect the device, then establish iPhone connection.

OPEN APP (Open Application)

- The "App Remote" application is not running.
 - Start up the iPhone's application.

For Pandora® operation:

CANNOT SKIP

- Skipping tracks on Pandora® is not allowed.
 - Wait until the commercial ends.
 - Pandora® limits the number of skips allowed on their service. Wait until the next track begins, or select another station on the list.

CHK DEV (Check Device)

- Pandora® does not start up.
 - Start up the Pandora® application and log into your account.

ERROR

- "Thumbs" feedback failed.
 - Try "Thumbs Up/Down" again.
- Bookmarking failed.
 - Try bookmarking again.

NO STATION

- There is no station on your Pandora® account.
 - Create the station on the mobile device.

NOT ALLOWED

- "Thumbs" feedback is not allowed.
 - Wait until the commercial ends.
 - Some functions, such as Shared Station, do not permit feedback. Wait until the next track begins, or select another station on the list.
- Bookmark is not allowed.
 - Wait until the commercial ends.
 - Select another track or station, then try it again.

OPEN APP (Open Application)

When connecting via the USB port.

- Pandora® does not start up.
 - Start up the Pandora® application on iPhone.

OPEN APP (Open Application), **PRESS PAUSE**

When connecting via the Bluetooth function.

- Pandora® does not start up.
 - Start up the Pandora® application on the mobile device, then press **(⏸)** (PAUSE).

PAN NO SUPRT (Pandora® Not Supported)

- The connected device is not supported.
 - For details on the compatibility of the device, visit the support site.

For SiriusXM operation:

CH LOCKD (Channel Locked)

- The selected channel is locked by the parental control function.

CH UNAVL (Channel Unavailable)

- The selected channel is not available.
- The active channel has become unavailable.

CH UNSUB (Channel Unsubscribed)

- There is no subscription to the selected channel.
- The subscription to the active channel has been terminated.

CHEK ANT (Check Antenna)

- The antenna (aerial) is not being used properly.
 - Make sure the antenna (aerial) is connected and being used properly.

CHK TUNR (Check Tuner)

- The SiriusXM Vehicle Tuner is not functioning properly.
 - Disconnect the SiriusXM Vehicle Tuner, and connect it again.

CODE ERROR

- Passcode inputs failed.

MEM FAILURE (Memory Failure)

- This unit failed to store the channel in the preset dial.
 - Make sure that the channel you intend to store is correct.

NOSIGNAL (No Signal)

- The service is stopped due to a signal interruption.

SUBSCRIPTION UPDATE - ENTER TO CONTINUE

- Your subscription has been updated.
 - Press **(MENU)**.

If these solutions do not help improve the situation, consult your nearest Sony dealer. If you take the unit to be repaired because of CD playback trouble, bring the disc that was used at the time the problem began.

Support site

If you have any questions or for the latest support information on this product, please visit the web site below:

Site d'assistance

Si vous avez des questions ou si vous souhaitez consulter les toutes dernières informations techniques sur ce produit, rendez-vous sur le site Web suivant :

<http://esupport.sony.com>
<http://www.sony.com/caraudio>

If you have any questions/problems regarding this product, try the following:

- 1** *Read Troubleshooting in these Operating Instructions.*
- 2** *Please contact (U.S.A. only);*
Call 1-800-222-7669
URL <http://www.SONY.com>

<http://www.sony.net/>

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