SONY

5-003-283-**11**(1)

FM/AM
Bluetooth® Car Audio

Operating Instructions	GB
Mode d'emploi	FR
Manual de instrucciones	ES

Owner's Record

The model and serial numbers are located on the bottom of the unit.
Record the serial number in the space provided below.
Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. DSX-B700W

Serial No. _____

To cancel the demonstration (DEMO) display, see page 00.
For the connection/installation, see page 00.

Pour annuler l'affichage de démonstration (DEMO), reportez-vous à la page 00.
Pour le raccordement/l'installation, reportez-vous à la page 00.

* 5 0 0 3 2 8 3 1 1 * (1)

DSX-B700W

Warning

For safety, be sure to install this unit in the dashboard of the car as the rear side of the unit becomes hot during use.
For details, see "Connection/Installation" (page 33).

The nameplate indicating operating voltage, etc., is located on the bottom of the chassis.

The validity of the CE marking is restricted to only those countries where it is legally enforced, mainly in the countries EEA (European Economic Area) and Switzerland.

WARNING

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

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

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

This device complies with part 15 of FCC Rules and Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

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

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the ISED radio frequency (RF) Exposure rules as this equipment has very low levels of RF energy.

If you have any questions about this product:
Visit: www.sony.com/carsupport
Contact: Sony Customer Information Service Center at 1-800-222-7669
Write: Sony Customer Information Service Center 12451 Gateway Blvd., Fort Myers, FL 33913
Supplier's Declaration of Conformity
Trade Name: SONY
Model: DSX-B700W
Responsible Party: Sony Electronics Inc.
Address: 16535 Via Esprillo, San Diego, CA 92127 U.S.A.
Telephone Number: 858-942-2230
This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

For the State of California, USA only
Perchlorate Material – special handling may apply,
See
www.dtsc.ca.gov/hazardouswaste/perchlorate

⚠️ **WARNING: Do not ingest battery, Chemical Burn Hazard.**
The remote commander contains a coin/ button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.
If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

Note on the lithium battery
Do not expose the battery to excessive heat such as direct sunlight, fire or the like.

Warning if your car's ignition has no ACC position
Be sure to set the AUTO OFF function (page 20). The unit will shut off completely and automatically in the set time after the unit is turned off and the clock is displayed (i.e. press and hold OFF for 1 second), which prevents battery drain. If you do not set the AUTO OFF function, press and hold OFF until the display disappears each time you turn the ignition off.

Disclaimer regarding services offered by third parties
Services offered by third parties may be changed, suspended, or terminated without prior notice. Sony does not bear any responsibility in these sorts of situations.

Important notice

Caution
IN NO EVENT SHALL SONY BE LIABLE FOR ANY
INCIDENTAL, INDIRECT OR CONSEQUENTIAL
DAMAGES OR OTHER DAMAGES INCLUDING,
WITHOUT LIMITATION, LOSS OF PROFITS, LOSS OF
REVENUE, LOSS OF DATA, LOSS OF USE OF THE
PRODUCT OR ANY ASSOCIATED EQUIPMENT,
DOWNTIME, AND PURCHASER'S TIME RELATED TO
OR ARISING OUT OF THE USE OF THIS PRODUCT, ITS
HARDWARE AND/OR ITS SOFTWARE.

Dear customer, this product includes a radio
transmitter.
Please check your vehicle operation manual or
contact the manufacturer of your vehicle or your
vehicle dealer, before you install this product into
your vehicle.

Emergency calls
This BLUETOOTH car handsfree and the electronic
device connected to the handsfree operate using
radio signals, cellular, and landline networks as
well as user-programmed function, which cannot
guarantee connection under all conditions.
Therefore do not rely solely upon any electronic
device for essential communications (such as
medical emergencies).

On BLUETOOTH communication
- 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.

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

Table of Contents
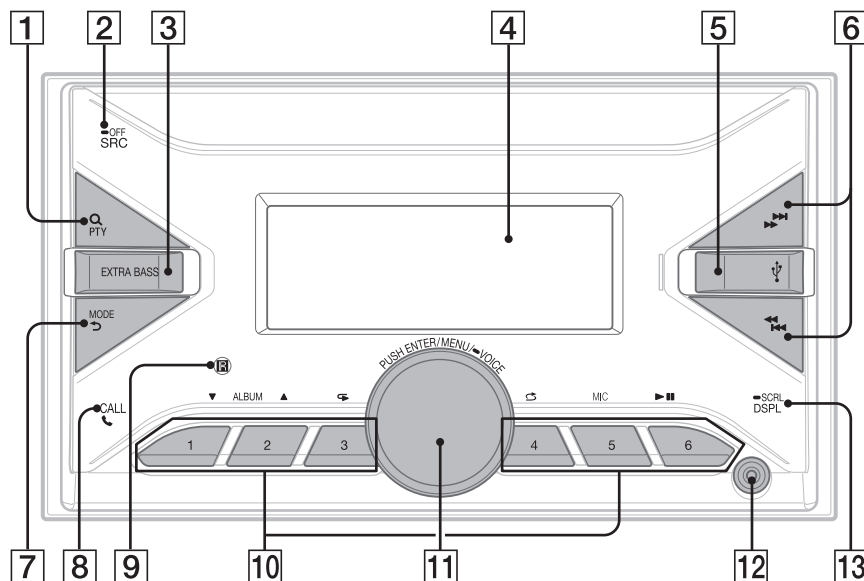
Getting Started

Guide to Parts and Controls

Main unit

1. **(browse) (page 13, 15, 16)**
   Enter the browse mode during playback.
   (Not available when a USB device in Android mode or iPod is connected.)

   PTY (program type)
   Select PTY in RDS.

2. **SRC (source)**
   Turn on the power.
   Change the source.

   OFF
   Press and hold for 1 second to turn the source off and display the clock.
   Press and hold for more than 2 seconds to turn off the power and the display.
   If the unit is turned off and the display disappears, operation by the remote commander is not available (except for Europe models).

3. **EXTRA BASS**
   Reinforce bass sound in synchronization with the volume level. Press to change the EXTRA BASS setting: [1], [2], [OFF].

4. **Display window**

5. **USB port**

6. **/ (SEEK –/+)**
   Tune in radio stations automatically. Press and hold to tune manually.

   **/ (prev/next)
   / (fast-reverse/fast-forward)**

7. **MODE (page 11, 13, 16, 18)**
   (back)
   Return to the previous display.

8. **CALL**
   Enter the call menu. Receive/end a call.
   Press and hold for more than 2 seconds to switch the BLUETOOTH signal.

9. **Receptor for the remote commander**

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J **Number buttons (1 to 6)**
Receive stored radio stations. Press and hold to store stations.

ALBUM ▼/▲
Skip an album for audio device. Press and hold to skip albums continuously.
(Not available when a USB device in Android mode or iPod is connected.)
Press ▲ to thumbs up, or ▼ to thumbs down in Pandora® (page 16).

 (repeat)
(Not available when a USB device in Android mode is connected.)

 (shuffle)
(Not available when a USB device in Android mode is connected.)

MIC (page 18)

▶❚❚ **(play/pause)**

K **Control dial**
Rotate to adjust the volume.

PUSH ENTER
Enter the selected item.
Press SRC, rotate then press to change the source (timeout in 2 seconds).

MENU
Open the setup menu.

 VOICE (page 18, 19)
Press and hold for more than 2 seconds to activate voice dial, voice recognition (Android smartphone only), or the Siri function (iPhone only).

L **AUX input jack**

M **DSPL (display)**
Press to change display items.

 SCRL (scroll)
Press and hold to scroll a display item.

RM-X231 Remote commander (except for Europe models)
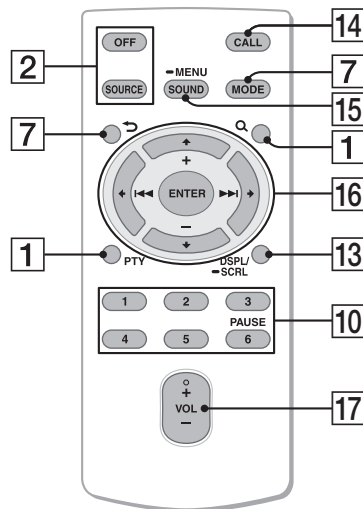
The VOL (volume) + button has a tactile dot.

N **CALL**
Enter the call menu. Receive/end a call.

O **SOUND**
Open the SOUND menu directly.

 MENU
Press and hold to open the setup menu.

P **←/↑/↓/→**
Select a setup item, etc.

ENTER
Enter the selected item.
Press and hold for more than 2 seconds to establish or terminate the "Sony | Music Center" function.

I◀◀/▶▶I (prev/next)

+/− (album +/−)

Q **VOL (volume) +/−**

Remove the insulation film before use.

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Resetting the Unit

Before operating the unit for the first time, after replacing the car battery, or changing the connections, you must reset the unit.

1 **Press and hold DSPL and CALL☎ for more than 2 seconds.**

Note
Resetting the unit will erase the clock setting and some stored contents.

Setting the area/region (Europe models only)

After resetting the unit, the area/region setting display appears.

1 **Press ENTER while [AREA] is displayed.**
The area/region currently set appears.

2 **Rotate the control dial to select [EUROPE] or [RUSSIA], then press it.**

3 **Rotate the control dial to select [YES] or [NO], then press it.**
If the setting area/region is changed, the unit is reset, then the clock is displayed.

This setting can be configured in the general setup menu (page 00).

Switching the FM/AM Tuning Step (Asia Pacific and India models only)

Set the FM/AM tuning step of your country. This setting appears **only while the source is off and the clock is displayed.**

1 **Press MENU, rotate the control dial to select [GENERAL], then press it.**

2 **Rotate the control dial to select [TUNER STEP], then press it.**

3 **Rotate the control dial to select from [50K/9K], [100K/10K] or [200K/10K], then press it.**

Setting the Clock

1 **Press MENU, rotate the control dial to select [GENERAL], then press it.**

2 **Rotate the control dial to select [CLOCK], then press it.**

3 **Rotate the control dial to select [MANUAL], then press it.**
The hour indication flashes.

4 **Rotate the control dial to set the hour and minute.**
To move the digital indication, press ◄◄ /►►► (SEEK –/+).

5 **After setting the minute, press MENU.**
The setup is complete and the clock starts.

To display the clock
Press DSPL.

Checking the Battery Voltage

You can check the current battery voltage. (Not available while the source is off and the clock is displayed.)

1 **Press DSPL repeatedly until the battery voltage display appears.**

Preparing a BLUETOOTH Device

You can enjoy music, or perform handsfree calling depending on the BLUETOOTH compatible device such as a smartphone, mobile phone and audio device (hereafter "BLUETOOTH device" if not otherwise specified). For details on connecting, refer to the operating instructions supplied with the device.
Before connecting the device, turn down the volume of this unit; otherwise, loud sound may result.

Pairing and connecting with a BLUETOOTH device

When connecting a BLUETOOTH device for the first time, mutual registration (called "pairing") is required. Pairing enables this unit and other devices to recognize each other. This unit can connect two BLUETOOTH devices (two mobile phones, or a mobile phone and an audio device).

1 Place the BLUETOOTH device within 1 m (3 ft) of this unit.

2 Press MENU, rotate the control dial to select [BLUETOOTH], then press it.

3 Rotate the control dial to select [PAIRING], then press it.

4 Rotate the control dial to select [DEVICE 1]* or [DEVICE 2]*, then press it.
🅑 flashes while the unit is in pairing standby mode.

  * [DEVICE 1] or [DEVICE 2] will be changed to the paired device name after pairing is complete.

5 Perform pairing on the BLUETOOTH device so it detects this unit.

6 Select your model name shown in the display of the BLUETOOTH device.
Repeat from step 2 if your model name does not appear.

7 If passkey* input is required on the BLUETOOTH device, input [0000].
When pairing is made, 🅑 stays lit.

  * Passkey may be called "Passcode," "PIN code," "PIN number" or "Password," etc., depending on the device.

8 Select this unit on the BLUETOOTH device to establish the BLUETOOTH connection.
📱 or 🎵 lights up when the connection is made.

Note
While connecting to a BLUETOOTH device, this unit cannot be detected from another device. To enable detection, enter the pairing mode and search for this unit from another device.

To start playback
For details, see "Playing a BLUETOOTH Device" (page 14).

To disconnect the paired device
Perform steps 2 to 4 to disconnect after this unit and the BLUETOOTH device are paired.

Connecting with a paired BLUETOOTH device

To use a paired device, connection with this unit is required. Some paired devices will connect automatically.

1 Press MENU, rotate the control dial to select [BLUETOOTH], then press it.

2 Rotate the control dial to select [BT SIGNAL], then press it.
Make sure that 🅑 lights up.

3 Activate the BLUETOOTH function on the BLUETOOTH device.

4 Operate the BLUETOOTH device to connect to this unit.
📱 or 🎵 lights up.

Icons in the display:

📱	Lights up when handsfree calling is available by enabling the HFP (Handsfree Profile).
🎵	Lights up when the audio device is playable by enabling the A2DP (Advanced Audio Distribution Profile).

To connect the last-connected device from this unit
Activate the BLUETOOTH function on the BLUETOOTH device.
To connect with the audio device, press SRC to select [BT AUDIO] and press ►II (play/pause).
To connect with the mobile phone, press CALL.

Note
While streaming BLUETOOTH audio, you cannot connect from this unit to the mobile phone. Connect from the mobile phone to this unit instead.

Tip
With BLUETOOTH signal on: when the ignition is turned to on, this unit reconnects automatically to the last-connected mobile phone.

To install the microphone
For details, see "Installing the microphone" (page 39).

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Connecting with an iPhone/iPod (BLUETOOTH Auto Pairing)

When an iPhone/iPod with iOS5 or later installed is connected to the USB port, the unit is paired and connected with the iPhone/iPod automatically. To enable BLUETOOTH Auto Pairing, make sure [AUTO PAIR] in [BLUETOOTH] is set to [ON] (page 22).

1 Activate the BLUETOOTH function on the iPhone/iPod.

2 Connect an iPhone/iPod to the USB port.
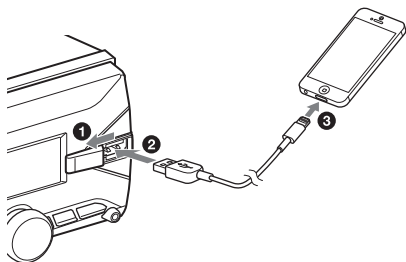
Make sure that 🅑 lights up on the display of the unit.

Notes
- BLUETOOTH Auto Pairing is not possible if the unit is already connected to two BLUETOOTH devices. In this case, disconnect the either device, then connect the iPhone/iPod again.
- If BLUETOOTH Auto Pairing is not established, see "Preparing a BLUETOOTH Device" for details (page 8).

Connecting a USB Device

1 Turn down the volume on the unit.

2 Connect the USB device to the unit.
To connect an iPod/iPhone, use the USB connection cable for iPod (not supplied).
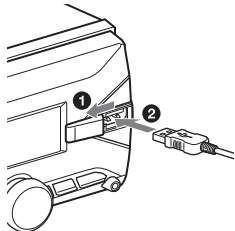
Connecting Other Portable Audio Device

1 Turn off the portable audio device.

2 Turn down the volume on the unit.

3 Connect the portable audio device to the AUX input jack (stereo mini jack) on the unit with a connecting cord (not supplied)*.

* Be sure to use a straight type plug.
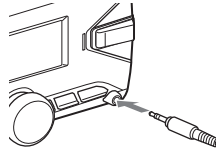
4 Press SRC to select [AUX].

To match the volume level of the connected device to other sources
Start playback of the portable audio device at a moderate volume, and set your usual listening volume on the unit.
Press MENU, then select [SOUND] ➔ [AUX VOLUME] (page 22).

Listening to the Radio

Tuning step setting is required (page 00) (Asia Pacific and India models only).
Press SRC to select [RADIO].

Storing automatically (BTM)

1 Press MODE to change the band*.

**2** Press MENU, rotate the control dial to select [GENERAL], then press it.

3 Rotate the control dial to select [BTM], then press it.
The unit stores stations in order of frequency on the number buttons.

* The following bands can be selected:
   — UC/Canada, Walmart, Asia Pacific and India models: FM1, FM2, FM3, AM1, AM2.
   — Europe models: FM1, FM2, FM3, AM/LW.

Tuning

1 Press MODE to change the band*.

2 Perform tuning.

To tune manually
Press and hold |◄◄ /►►| (SEEK –/+) to locate the approximate frequency, then press |◄◄ / ►►| (SEEK –/+) repeatedly to finely adjust to the desired frequency.

To tune automatically
Press |◄◄ /►►| (SEEK –/+).
Scanning stops when the unit receives a station.

* The following bands can be selected:
   — UC/Canada, Walmart, Asia Pacific and India models: FM1, FM2, FM3, AM1, AM2.
   — Europe models: FM1, FM2, FM3, AM/LW.

Storing manually

1 While receiving the station that you want to store, press and hold a number button (1 to 6) until [MEMORY] appears.

Receiving the stored stations

1 Select the band, then press a number button (1 to 6).

Using Radio Data System (RDS)

Setting alternative frequencies (AF) and traffic announcement (TA) (Europe models only)

AF continuously retunes the station to the strongest signal in a network, and TA provides current traffic information or traffic programs (TP) if received.

1 Press MENU, rotate the control dial to select [GENERAL], then press it.

2 Rotate the control dial to select [AF/TA], then press it.

3 Rotate the control dial to select [AF-ON], [TA-ON], [AF/TA-ON] or [AF/TA-OFF], then press it.

To store RDS stations with the AF and TA setting
You can preset RDS stations along with an AF/TA setting. Set AF/TA, then store the station with BTM or manually. If you preset manually, you can also preset non-RDS stations.

To receive emergency announcements
With AF or TA on, emergency announcements will automatically interrupt the currently selected source.

To adjust the volume level during a traffic announcement
Level will be stored into memory for subsequent traffic announcements, independently from the regular volume level.

To stay with one regional program (REGIONAL)
When the AF and REGIONAL functions are on, you will not be switched to another regional station with a stronger frequency. If you leave this regional program's reception area, set [REGIONAL] in [GENERAL] to [REG-OFF] during FM reception (page 00).
This function does not work in the UK and some other areas.

Local Link function (UK only)
This function enables you to select other local stations in the area, even if they are not stored on your number buttons.
During FM reception, press a number button (1 to 6) on which a local station is stored. Within 5 seconds, press again a number button of the local station. Repeat this procedure until the local station is received.

Selecting program types (PTY)

1 Press PTY during FM reception.

2 Rotate the control dial to select [PTY MUSIC] or [PTY TALK], then press it.
The unit starts to search for a station broadcasting the selected program type.

Type of programs

PTY TALK:
NEWS (News), AFFAIRS (Current Affairs), INFO (Information), SPORT (Sport), EDUCATE (Education), DRAMA (Drama), CULTURE (Culture), SCIENCE (Science), VARIED (Varied), WEATHER (Weather), FINANCE (Finance), CHILDREN (Children's Programmes), SOCIAL (Social Affairs), RELIGION (Religion), PHONE IN (Phone In), TRAVEL (Travel), LEISURE (Leisure), DOCUMENT (Documentary)
PTY MUSIC:
POP M (Pop Music), ROCK M (Rock Music), EASY M (Easy Listening Music), LIGHT M (Light Classical), CLASSICS (Serious Classical), OTHER M (Other Music), JAZZ (Jazz Music), COUNTRY (Country Music), NATION M (National Music), OLDIES (Oldies Music), FOLK M (Folk Music)

For US/Canada and Walmart models only:

PTY TALK:
NEWS (News), INFORM (Information), SPORTS (Sports), TALK (Talk), LANGUAGE (Foreign Language), REL TALK (Religious Talk), PERSNLTY (Personality), PUBLIC (Public), COLLEGE (College), HABL ESP (Spanish Talk), WEATHER (Weather)
PTY MUSIC:
ROCK (Rock), CLS ROCK (Classic Rock), ADLT HIT (Adult Hits), SOFT RCK (Soft Rock), TOP 40 (Top 40), COUNTRY (Country), OLDIES (Oldies), SOFT (Soft), NOSTALGA (Nostalgia), JAZZ (Jazz), CLASSICL (Classical), R & B (Rhythm and Blues), SOFT R&B (Soft Rhythm and Blues), REL MUSC (Religious Music), MUSC ESP (Spanish Music), HIP HOP (Hip-Hop)

Listening to the SiriusXM Radio (US/Canada models only)

Activating your SiriusXM Subscription

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 Connect Vehicle Tuner and Subscription are required. For more information, visit www.siriusxm.com

After installing your SiriusXM Connect Vehicle Tuner and antenna (aerial), press SRC to select [SIRIUS XM]. You should be able to hear the SiriusXM preview channel on Channel 1. After verifying that you can hear the preview channel, select Channel 0 to find the Radio ID of your tuner. In addition, the Radio ID is located on the bottom of the SiriusXM Connect Vehicle Tuner and its packaging. You will need this number to activate your subscription. Write the number down for reference.

Note
The SiriusXM Radio ID does not include the letters I, O, S or F.

In the USA, you can activate online or by calling SiriusXM Listener Care:
• Online: Visit www.siriusxm.com/activatenow
• Phone: Call 1-866-635-2349

In Canada, you can activate online or by calling SiriusXM Listener Care:
• Online: Visit www.siriusxm.ca/activatexm
• Phone: Call 1-877-438-9677

As part of the activation process, the SiriusXM satellites will send an activation message to your tuner. When your radio detects that the tuner has received the activation message, your radio will display: [SUBSCRIP UPDATED - PRESS ENTER TO CONTINUE]. Once subscribed, you can tune to channels in your subscription plan.

Notes
• The activation process usually takes 10 to 15 minutes, but may take up to an hour.
• Your radio will need to be turned on and receiving the SiriusXM signal to receive the activation message.

Selecting channels for SiriusXM

1 Press Q (browse).

2 Rotate the control dial to select [CHANNEL], then press it.

3 Rotate the control dial to select the desired channel, then press it.

To select channels with rapid browse mode
Press and hold ↑ or ↓ of remote commander for more than 2 seconds after [CHANNEL] selected, then press ENTER.

To select channels from categories

1 Press Q (browse).

2 Rotate the control dial to select [CATEGORY], then press it.

3 Rotate the control dial to select the desired category, then press it.
The channel list appears.

4 Rotate the control dial to select the desired channel, then press it.

To store channels

1 While receiving the channel that you want to store, press and hold a number button (1 to 6) until [MEMORY] appears.

To receive the stored channel, press MODE to select the Band you want ([SXM1], [SXM2] or [SXM3]), then press a number button (1 to 6). (Each Band can store up to 6 channels.)

To set a parental control
The parental control feature allows you to limit the access to SiriusXM channels with mature content. When enabled, the parental control feature requires you to enter a passcode to tune to the locked channels. Information on setting up the passcode and locking channels can be found below.

1 Press MENU and rotate the control dial.

2 Select [GENERAL] ➜ [PARENTAL] ➜ [LOCK SELECT] ➜ [LOCK-ON].

3 Enter the passcode by rotating the control dial on the unit or pressing ↑/↓ on the remote commander.
To move the entry position, press I◀◀ /▶▶I (SEEK –/+) on the unit or ←/→ on the remote commander.
The initial passcode is [0000].

4 After entering the passcode, press ENTER.

To unlock the channels, select [GENERAL] ➜ [PARENTAL] ➜ [LOCK SELECT] ➜ [LOCK-OFF].

To change the passcode

1 Press MENU and rotate the control dial.

2 Select [GENERAL] ➜ [PARENTAL] ➜ [CODE EDIT].

3 Enter the current passcode on the current passcode input display, then press ENTER.
The initial passcode is [0000].

4 Enter your new 4-digit passcode on the new passcode input display, then press ENTER.

To change display items
Press DSPL to change as follows:
Channel Name/Channel Number (Default) ➜ Artist Name/Channel Number ➜ Song Title/Channel Number ➜ Content Info/Channel Number ➜ Category Name/Channel Number ➜ Channel Name/Clock ➜ Channel Name/Battery Voltage

13GB

Playback

Playing a USB Device

In these Operating Instructions, "iPod" is used as a general reference for the iPod functions on an iPod and iPhone, unless otherwise specified by the text or illustrations.

For details on the compatibility of your iPod, see "About iPod" (page 24) or visit the support site on the back cover.

AOA (Android Open Accessory) 2.0, MSC (Mass Storage Class) and MTP (Media Transfer Protocol) type USB devices* compliant with the USB standard can be used. Depending on the USB device, the Android mode or MSC/MTP mode can be selected on the unit.
Some digital media players or Android smartphones may require setting to MTP mode.

* e.g., a USB flash drive, digital media player, Android smartphone

Notes
- For details on the compatibility of your USB device, visit the support site on the back cover.
- Smartphones with Android OS 4.1 or higher installed support Android Open Accessory 2.0 (AOA 2.0). However, some smartphones may not fully support AOA 2.0 even if Android OS 4.1 or higher is installed. For details on the compatibility of your Android smartphone, visit the support site on the back cover.
- Playback of the following files is not supported. MP3/WMA/AAC/FLAC:
  − copyright-protected files
  − DRM (Digital Rights Management) files
  − Multi-channel audio files
  MP3/WMA/AAC:
  − lossless compression files

Before making a connection, select the USB mode (Android mode or MSC/MTP mode) depending on the USB device (page 20).

1 **Connect a USB device to the USB port (page 10).**
Playback starts.
If a device is already connected, to start playback, press SRC to select [USB] ([IPOD] appears in the display when the iPod is recognized).

2 **Adjust the volume on this unit.**

To stop playback
Press and hold OFF for 1 second.

To remove the device
Stop playback, then remove the device.

Caution for iPhone
When you connect an iPhone via USB, phone call volume is controlled by the iPhone, not the unit. Do not inadvertently increase the volume on the unit during a call, as a sudden loud sound may result when the call ends.

Playing a BLUETOOTH Device

You can play contents on a connected device that supports BLUETOOTH A2DP (Advanced Audio Distribution Profile).

1 **Make BLUETOOTH connection with the audio device (page 8).**
To select the audio device, press MENU, then select [BLUETOOTH] ➜ [AUDIO DEV] (page 22).

2 **Press SRC to select [BT AUDIO].**

3 **Operate the audio device to start playback.**

4 **Adjust the volume on this unit.**

Notes
- Depending on the audio device, information such as title, track number/time and playback status may not be displayed on this unit.
- Even if the source is changed on this unit, playback of the audio device does not stop.
- [BT AUDIO] does not appear in the display while running the "Sony | Music Center" application via the BLUETOOTH function.

To match the volume level of the BLUETOOTH device to other sources
Start playback of the BLUETOOTH audio device at a moderate volume, and set your usual listening volume on the unit.
Press MENU, then select [SOUND] ➜ [BTA VOLUME] (page 22).

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Searching and Playing Tracks

Repeat play and shuffle play

Not available when a USB device in Android mode is connected.

1 During playback, press ⊊ (repeat) or ⇄ (shuffle) repeatedly to select the desired play mode.

Available play modes differ depending on the selected sound source.

Searching a track by name ("Quick-BrowZer™")

Not available when a USB device in Android mode or iPod is connected.

1 During USB playback, press ⚲ (browse)* to display the list of search categories.
When the track list appears, press ⤺ (back) repeatedly to display the desired search category.

   * During USB playback, press and hold ⚲ (browse) for more than 2 seconds to directly return to the beginning of the category list.

2 Rotate the control dial to select the desired search category, then press it to confirm.

3 Repeat step 2 to search the desired track.
Playback starts.

To exit the "Quick-BrowZer" mode
Press ⚲ (browse).

Searching by skipping items (Jump mode)

Not available when a USB device in Android mode or iPod is connected.

1 During USB playback, press ⚲ (browse).

2 Press ▶▶I (SEEK +).

3 Rotate the control dial to select the item.
The list is jumped in steps of 10% of the total number of items.

4 Press ENTER to return to the "Quick-BrowZer" mode.
The selected item appears.

5 Rotate the control dial to select the desired item, then press it.
Playback starts.

Pandora® (US/Canada and Walmart models only)

About Pandora®

Pandora® is available to stream music through your iPhone and Android smartphone. You can control Pandora® on a BLUETOOTH connected iPhone/Android smartphone from this unit.
Pandora® is only available in certain countries.
For more information, visit
http://www.pandora.com/legal

Setting up Pandora®

1 Check the compatibility of your mobile device by visiting the support site on the back cover.

2 Download the latest version of the Pandora® application from your smartphone's app store.
A list of compatible devices can be found at:
www.pandora.com/everywhere/

Streaming Pandora®

1 Make BLUETOOTH connection with the audio device (page 8).
To select the audio device, press MENU, then select [BLUETOOTH] ➜ [AUDIO DEV] (page 22).

2 Press SRC to select [PANDORA].

3 Launch Pandora® application on your mobile device.

4 Press ►II (play/pause) to start playback.

If the device number appears
Make sure that the same numbers are displayed (e.g., 123456) in this unit and the mobile device, then press ENTER on this unit and select [Yes] on the mobile device.

When activating the BLUETOOTH function
You can adjust the volume level.
Press MENU, then select [SOUND] ➜ [BTA VOLUME] (page 22).

Available Operations in Pandora®

"Thumbs" feedback

"Thumbs Up" or "Thumbs Down" feedback allows you to personalize stations.

1 During playback, press ▲ (Thumbs Up) or ▼ (Thumbs Down).

Using the station list

The station list allows you to easily select a desired station.

1 During playback, press ◌ (browse).

2 Press ►►I (SEEK +) to select the sorting order [STATION SORT BY DATE] or [STATION SORT BY A TO Z].

3 Rotate the control dial to select the desired station, then press it.
Playback starts.

Bookmarking

The track currently being played can be bookmarked and stored in your Pandora® account.

1 During playback, press MODE.

Handsfree Calling (via BLUETOOTH only)

Preparing a Mobile Phone

To use a mobile phone, connect it with this unit. You can connect two mobile phones to the unit. For details, see "Preparing a BLUETOOTH Device" (page 8).

Receiving a Call

1 **Press CALL when a call is received with a ringtone.**
The phone call starts.

Note
The ringtone and talker's voice are output from the front speakers. To select the speakers for handsfree calling, press MENU, then select [BLUETOOTH] ➔ [VOICE-OUT] (page 00).

To reject the call
Press and hold OFF for 1 second.

To end the call
Press CALL again.

Making a Call

You can make a call from the phonebook or call history when a mobile phone supporting PBAP (Phone Book Access Profile) is connected.
When two mobile phones are connected to the unit, select either phone.

From the phonebook

1 **Press CALL.**
When two mobile phones are connected to the unit, rotate the control dial to select either phone, then press it.

2 **Rotate the control dial to select [PHONE BOOK], then press it.**

3 **Rotate the control dial to select an initial from the initial list, then press it.**

4 **Rotate the control dial to select a name from the name list, then press it.**

5 **Rotate the control dial to select a number from the number list, then press it.**
The phone call starts.

From the call history

1 **Press CALL.**
When two mobile phones are connected to the unit, rotate the control dial to select either phone, then press it.

2 **Rotate the control dial to select [RECENT CALL], then press it.**
A list of the call history appears.

3 **Rotate the control dial to select a name or phone number from the call history, then press it.**
The phone call starts.

By phone number input

1 **Press CALL.**
When two mobile phones are connected to the unit, rotate the control dial to select either phone, then press it.

2 **Rotate the control dial to select [DIAL NUMBER], then press it.**

3 **Rotate the control dial to enter the phone number, and lastly select [ ] (space), then press ENTER*.**
The phone call starts.

* To move the digital indication, press ◄◄ /►► (SEEK –/+).

Note
[_] appears instead of [#] on the display.

By redial

1 **Press CALL.**
When two mobile phones are connected to the unit, rotate the control dial to select either phone, then press it.

2 **Rotate the control dial to select [REDIAL], then press it.**
The phone call starts.

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By voice tags

You can make a call by saying the voice tag stored in a connected mobile phone that has a voice dialing function.

1 Press CALL.

When two mobile phones are connected to the unit, rotate the control dial to select either phone, then press it.

2 Rotate the control dial to select [VOICE DIAL], then press it.

Alternatively, press and hold VOICE for more than 2 seconds.

3 Say the voice tag stored on the mobile phone.

Your voice is recognized, and the call is made.

To cancel voice dialing
Press VOICE.

Available Operations during Call

To adjust the ringtone volume
Rotate the control dial while receiving a call.

To adjust the talker's voice volume
Rotate the control dial during a call.

To adjust the volume for the other party (Mic gain adjustment)
Press MIC.
Adjustable volume levels: [MIC-LOW], [MIC-MID], [MIC-HI].

To reduce echo and noise (Echo Canceler/Noise Canceler Mode)
Press and hold MIC.
Settable mode: [EC/NC-1], [EC/NC-2].

To switch between handsfree mode and handheld mode
During a call, press MODE to switch the phone call audio between the unit and mobile phone.

Note
Depending on the mobile phone, this operation may not be available.

"Sony | Music Center" with iPhone/Android™ Smartphone

Downloading the latest version of "Sony | Music Center" application is required from the App Store for iPhone or from available on Google Play for Android smartphone.

Notes
- For your safety, follow your local traffic laws and regulations, and do not operate the application while driving.
- "Sony | Music Center" is an app for controlling Sony audio devices which are compatible with "Sony | Music Center", by your iPhone/Android smartphone.
- What you can control with "Sony | Music Center" varies depending on the connected device.
- To make use of "Sony | Music Center" features, see the details on your iPhone/Android smartphone.
- For further details on "Sony | Music Center," visit the following URL: http://www.sony.net/smcqa/
- Visit the website below and check the compatible iPhone/Android smartphone models.
  For iPhone: visit the App Store
  For Android smartphone: visit Google Play

Establishing the "Sony | Music Center" connection

1 Make the BLUETOOTH connection with iPhone/Android smartphone (page 8).

To select the audio device, press MENU, then select [BLUETOOTH] ➜ [AUDIO DEV] (page 22).

2 Launch the "Sony | Music Center" application.

3 Press MENU, rotate the control dial to select [SONY APP], then press it.

Connection to iPhone/Android smartphone starts.
For details on the operations on iPhone/Android smartphone, refer to the help of the application.

If the device number appears
Make sure that the number is displayed (e.g., 123456), then select [Yes] on the iPhone/Android smartphone.

To terminate connection
1 Press MENU, rotate the control dial to select [SONY APP], then press it.

Selecting the source or application

You can operate to select the desired source or application on iPhone/Android smartphone.

To select the source
Press SRC repeatedly. Alternatively, press SRC, rotate the control dial to select the desired source, then press ENTER.

To display the source list
Press SRC.

Announcement of SMS by voice guide (Android smartphone only)

Messages of SMS are automatically read out through the car speakers when they are received.

For details on settings, refer to the help of the application.

Replying a message of SMS (Android smartphone only)

You can reply a message by touching the reply icon.

1 **Activate the "Sony | Music Center" application, then touch the [Reply] (reply) icon.**
The message input display appears on the "Sony | Music Center" application.

2 **Input a reply message by voice recognition.**
The list of message candidates appears on the "Sony | Music Center" application.

3 **Rotate the control dial to select the desired message, then press it.**
The message is sent out.

Making sound and display settings

You can adjust the settings relating to sound and display via iPhone/Android smartphone.

For details on settings, refer to the help of the application.

Using Voice Recognition (Android Smartphone Only)

1 **Press and hold VOICE to activate voice recognition.**

2 **Say the desired voice command into the microphone.**

To deactivate voice recognition
Press VOICE.

Notes
- Voice recognition may not be available in some cases.
- Voice recognition may not work properly depending on the performance of the connected Android smartphone.

- Operate under conditions where noise such as engine sound is minimized during voice recognition.

Using Siri Eyes Free

Siri Eyes Free allows you to use an iPhone handsfree by simply speaking into the microphone. This function requires you to connect an iPhone to the unit via BLUETOOTH. Availability is limited iPhone 4s or later. Make sure that your iPhone is running the latest iOS version.
You must complete BLUETOOTH registration and connection configurations for the iPhone with the unit in advance. For details, see "Preparing a BLUETOOTH Device" (page 8).
To select the iPhone, press MENU, then select [BLUETOOTH] ➜ [AUDIO DEV] (page 22).

1 **Activate the Siri function on the iPhone.**
For details, refer to the operating instructions supplied with the iPhone.

2 **Press and hold VOICE for more than 2 seconds.**
The voice command display appears.

3 **After the iPhone beeps, speak into the microphone.**
The iPhone beeps again, then Siri starts responding.

To deactivate Siri Eyes Free
Press VOICE.

Notes
- The iPhone may not recognize your voice depending on usage conditions. (For example, if you are in a moving car.)
- Siri Eyes Free may not function properly, or the response time may lag in locations where iPhone signals are difficult to receive.
- Depending on the iPhone's operating condition, Siri Eyes Free may not function properly, or may quit.
- If you play a track with an iPhone using the BLUETOOTH audio connection, when the track starts playback via BLUETOOTH, Siri Eyes Free automatically quits and the unit switches to the BLUETOOTH audio source.
- When Siri Eyes Free is activated during audio playback, the unit may switch to the BLUETOOTH audio source even if you do not specify a track to play.
- When connecting the iPhone to the USB port, Siri Eyes Free may not function properly, or may quit.
- When connecting the iPhone to the unit via USB, do not activate Siri with the iPhone. Siri Eyes Free may not function properly, or may quit.
- There is no audio sound while Siri Eyes Free is activated.

Settings

Basic Setting Operation

You can set items in the following setup categories:
General setup (GENERAL), Sound setup (SOUND),
Display setup (DISPLAY), BLUETOOTH setup
(BLUETOOTH), "Sony | Music Center" setup (SONY
APP)

1 Press MENU.

2 Rotate the control dial to select the setup
category, then press it.
The items that can be set differ depending on
the source and settings.

3 Rotate the control dial to select the
options, then press it.

To return to the previous display
Press ↰ (back).

General Setup (GENERAL)

AREA (area) (Europe models only)
Specifies the area/region to use this unit:
[EUROPE], [RUSSIA].
If the area/region currently set is changed, this
unit is reset, then the clock is displayed.
(Available only while the source is off and the
clock is displayed.)

DEMO (demonstration)
Activates the demonstration: [ON], [OFF].

CLOCK (clock) (page 00)
Sets the clock: [AUTO <RDS>], [MANUAL].

TUNER STEP (tuner step) (page 8) (Asia Pacific and
India models only)
(Available only while the source is off and the
clock is displayed.)

BEEP (beep)
Activates the beep sound: [ON], [OFF].

AUTO OFF (auto off)
Shuts off automatically after a certain time when
the unit is turned off and the clock is displayed
(i.e. press and hold OFF for 1 second): [ON] (30
minutes), [OFF].

STEERING (steering)
Registers/resets the setting of the steering
wheel remote control.
(Available only while the source is off and the
clock is displayed.)
STR CONTROL (steering control)
Selects the input mode of the connected remote
control. To prevent a malfunction, be sure to
match the input mode with the connected
remote control before use.
  CUSTOM (custom)
  Input mode for the steering wheel remote
  control
  PRESET (preset)
  Input mode for the wired remote control
  excluding the steering wheel remote control
  (Automatically selected when
  [RESETCUSTOM] is performed.)
EDIT CUSTOM (edit custom)
Registers the functions (SOURCE, ATT, VOL +/−,
SEEK +/−, VOICE, ON HOOK, OFF HOOK) to the
steering wheel remote control:
❶ Rotate the control dial to select the function
you want to assign to the steering wheel
remote control, then press it.
❷ While [REGISTER] is blinking, press and hold
the button on the steering wheel remote
control you want to assign the function to.
When registration is complete, [REGISTERED]
is displayed.
❸ To register other functions, repeat steps ❶
and ❷.
(Available only when [STR CONTROL] is set to
[CUSTOM].)
RESETCUSTOM (reset custom)
Resets the registered functions of the steering
wheel remote control: [YES], [NO].
(Available only when [STR CONTROL] is set to
[CUSTOM].)

Notes
- While making settings, only button operation on
the unit is available. For safety, park your car
before making this setting.
- If an error occurs while registering, all the
previously-registered information remains. Restart
registration from the function where the error
occurred.
- This function may not be available on some
vehicles. For details on the compatibility of your
vehicle, visit the support site on the back cover.

USB AUTOPLY (USB auto play)
Activates the USB auto play: [ON], [OFF].

USB MODE (USB mode)
Changes the USB mode: [ANDROID], [MSC/MTP].
(Available only when the USB source is selected.)

AF/TA (alternative frequencies/traffic announcement) (Europe models only)
Selects the alternative frequencies (AF) and traffic announcement (TA) setting: [AF-ON], [TA-ON], [AF/TA-ON], [AF/TA-OFF].

REGIONAL (regional) (Europe models only)
Restricts reception to a specific region: [ON], [OFF].
(Available only when FM is received.)

BTM (best tuning memory) (page 11)
(Available only when the tuner is selected.)

PARENTAL (parental) (US/Canada models only)
Sets the parental lock to [ON], [OFF], and edits the passcode (page 13).
(Available only when SiriusXM is selected.)

SXM SIGNAL (SiriusXM signal) (US/Canada models only)
Displays the current status of the SiriusXM signal strength: [NO SIGNAL] (signal level 0), [WEAK] (signal level 1), [GOOD] (signal level 2), [EXCELLENT] (signal level 3)
(Available only when SiriusXM is selected.)

SXM RESET (SiriusXM reset) (US/Canada models only)
Initializes the SiriusXM Connect Vehicle Tuner settings (preset channels/parental lock): [YES], [NO].
(Available only when SiriusXM is selected.)

FIRMWARE (firmware)
(Available only while the source is off and the clock is displayed.)
Checks/updates the firmware version. For details, visit the support site on the back cover.
FW VERSION (firmware version)
Displays current firmware version.
FW UPDATE (firmware update)
Enters firmware update process: [YES], [NO].
Updating the firmware takes a few minutes to complete. During the update, do not turn the ignition to the OFF position, nor remove the USB device.

Sound Setup (SOUND)

This setup menu is not available when the source is off and the clock is displayed.

EQ10 PRESET (EQ10 preset)
Selects an equalizer curve from 10 equalizer curves or off:
[OFF], [R&B], [ROCK], [POP], [HIP-HOP], [EDM], [JAZZ], [SOUL], [COUNTRY], [KARAOKE]*, [CUSTOM].
For Asia Pacific models only:
[OFF], [R&B], [ROCK], [POP], [HIP-HOP], [EDM], [JAZZ], [REGUETON], [SALSA], [KARAOKE]*, [CUSTOM].
For India models only:
[BOLLYWOOD], [R&B], [ROCK], [POP], [HIP-HOP], [EDM], [JAZZ], [REGUETON], [KARAOKE]*, [CUSTOM], [OFF].
The equalizer curve setting can be memorized for each source.

* [KARAOKE] reduces the vocal sound but cannot fully remove it during playback. Also, using a microphone is not supported.

EQ10 CUSTOM (EQ10 custom)
Sets [CUSTOM] of EQ10.
Setting the equalizer curve: [B1] – [B10] (32 Hz, 63 Hz, 125 Hz, 250 Hz, 500 Hz, 1 kHz, 2 kHz, 4 kHz, 8 kHz, 16 kHz).
The volume level is adjustable in 1 dB steps, from -6 dB to +6 dB.

BALANCE (balance)
Adjusts the sound balance: [RIGHT-15] – [CENTER] – [LEFT-15].

FADER (fader)
Adjusts the relative level: [FRONT-15] – [CENTER] – [REAR-15].

SUBWOOFER (subwoofer)
SUBW LEVEL (subwoofer level)
Adjusts the subwoofer volume level: [+6 dB] – [0 dB] – [-6 dB].
([ATT] is displayed at the lowest setting.)
SUBW PHASE (subwoofer phase)
Selects the subwoofer phase: [NORMAL], [REVERSE].
LPF FREQ (low pass filter frequency)
Selects the subwoofer cut-off frequency: [80Hz], [100Hz], [120Hz].

HPF FREQ (high pass filter frequency)
Selects the front/rear speaker cut-off frequency: [OFF], [80Hz], [100Hz], [120Hz].

AUX VOLUME (AUX volume)
Adjusts the volume level for each connected auxiliary device: [+18 dB] – [0 dB] – [-8 dB].
This setting negates the need to adjust the volume level between sources.
(Available only when the AUX is selected.)

BTA VOLUME (BLUETOOTH audio volume)
Adjusts the volume level for each connected BLUETOOTH device: [+6 dB] – [0 dB] – [-6 dB].
This setting negates the need to adjust the volume level between sources.
(Available only when the BT audio, application or Pandora® (US/Canada and Walmart models only) is selected.)

Display Setup (DISPLAY)

BLACK OUT (black out) (Asia Pacific and India models only)
Turns off the illumination automatically if no operation is performed for 5 seconds when any source is selected: [ON], [OFF].
To turn the light back on, press any button on the unit or the remote commander (except for Europe models).

DIMMER (dimmer)
Change the display brightness: [OFF], [ON], [AUTO], [CLK] (clock).
([AUTO] is available only when the illumination control lead is connected, and the head lights are turned on.)
To set this function to be active only during a fixed period, select [CLK], then set the start and end times.
— To set the brightness when the dimmer function is activated:
Set [DIMMER] to [ON], then adjust [BRIGHTNESS].
— To set the brightness when the dimmer function is deactivated:
Set [DIMMER] to [OFF], then adjust [BRIGHTNESS].
The brightness setting is stored and applied when the dimmer function is activated or deactivated.

BRIGHTNESS (brightness)
Adjusts the display brightness. The brightness level is adjustable: [1] – [10].

BUTTON-C (button color)
Sets a preset color or customized color for the buttons.
COLOR (color)
Selects from 15 presets colors, 1 customized color.
CUSTOM-C (custom color)
Registers a customized color for the buttons.
RGB RED, RGB GREEN, RGB BLUE
Adjustable color range: [0] – [32] ([0] cannot be set for all color ranges).

SOUND SYNC (sound synchronization)
Activates the synchronization of the illumination with the sound: [ON], [OFF].
(Not available when no source is selected and the clock is displayed.)

AUTO SCROLL (auto scroll)
Scrolls long items automatically: [ON], [OFF].
(Not available when the AUX or tuner is selected.)

BLUETOOTH Setup (BLUETOOTH)

PAIRING (pairing) (page 9)
Connects up to two BLUETOOTH devices: [DEVICE 1], [DEVICE 2].
[DEVICE 1] or [DEVICE 2] will be changed to the paired device name after pairing is complete.

AUDIO DEV (audio device)
Selects the audio device. [*] appears on the device paired with [DEVICE 1] or the current A2DP compatible audio device.

RINGTONE (ringtone)
Selects whether this unit or the connected mobile phone outputs the ringtone: [1] (this unit), [2] (mobile phone).

AUTO ANSWER (auto answer)
Sets this unit to answer an incoming call automatically: [OFF], [1] (about 3 seconds), [2] (about 10 seconds).

AUTO PAIR (auto pairing)
Start BLUETOOTH pairing automatically when iOS device version 5.0 or later is connected via USB: [ON], [OFF].

BT SIGNAL (BLUETOOTH signal) (page 9)
Activates/deactivates the BLUETOOTH function.

BT INITIAL (BLUETOOTH initialize)
Initializes all the BLUETOOTH related settings (pairing information, device information, etc.): [YES], [NO].
When disposing the unit, initialize all the settings.
(Available only while the source is off and the clock is displayed.)

VOICE-OUT (voice output)
Selects the speakers for handsfree calling: [VOICE FRONT] (front speakers), [VOICE REAR] (rear speakers), [VOICE ALL] (all speakers).
(Available only while the source is off and the clock is displayed.)

"Sony | Music Center" Setup (SONY APP)

Establish and terminate "Sony | Music Center" function (connection).

Additional Information

Canceling the Demonstration Mode

You can cancel the demonstration display which appears when the source is off and the clock is displayed.

1 Press MENU, rotate the control dial to select [GENERAL], then press it.

2 Rotate the control dial to select [DEMO], then press it.

3 Rotate the control dial to select [DEMO-OFF], then press it.
The setting is complete.

4 Press ↰ (back) twice.
The display returns to normal reception/play mode.

Updating the Firmware

To update the firmware, visit the support site on the back cover, then follow the online instructions.

Notes
- Using a USB device (not supplied) is required for updating the firmware. Store the updater in the USB device, and connect the device to the USB port, then perform the update operation.
- Updating the firmware takes a few minutes to complete. During the update, do not turn the ignition to the OFF position, nor remove the USB device.

Precautions

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

To maintain high sound quality
Do not splash liquid onto the unit.

Playback order of audio files

	Folder (album)
	Audio file (track)
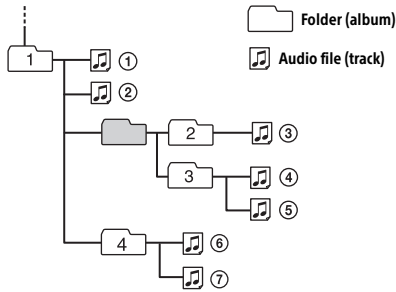
About iPod

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

Compatible iPhone/iPod models

Compatible Model	Bluetooth®	USB
iPhone XR	✓	✓
iPhone Xs max	✓	✓
iPhone Xs	✓	✓
iPhone X	✓	✓
iPhone 8s	✓	✓
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	✓	✓
iPhone 4s	✓	✓
iPod touch (6th generation)	✓	✓
iPod touch (5th generation)	✓	✓
iPod nano (7th generation)		✓

- Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge, 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 an Apple product may affect wireless performance.

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 (CR2025) of the remote commander (except for Europe models)
When the battery becomes weak, the range of the remote commander becomes shorter.

CAUTION
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

Lithium battery (CR2025)
+ side up
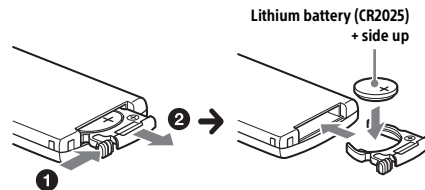
Note on the lithium battery
Keep the lithium battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.

24GB

Specifications

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

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

AUDIO POWER SPECIFICATIONS

CTA2006 Standard
Power Output: 20 Watts RMS × 4 at 4 Ohms < 1% THD+N
SN Ratio: 80 dBA
(reference: 1 Watt into 4 Ohms)

Tuner section

For US/Canada and Walmart models:

FM

Tuning range: 87.5 MHz – 107.9 MHz
Usable sensitivity: 7 dBf
Signal-to-noise ratio: 73 dB
Separation: 50 dB at 1 kHz

AM

Tuning range: 530 kHz – 1,710 kHz
Sensitivity: 26 μV

For Europe models:

FM

Tuning range:
    When [AREA] is set to [EUROPE]:
        87.5 MHz – 108.0 MHz
    When [AREA] is set to [RUSSIA]:
        FM1/FM2: 87.5 MHz – 108.0 MHz (at 50 kHz step)
        FM3: 65 MHz – 74 MHz (at 30 kHz step)
Usable sensitivity: 7 dBf
Signal-to-noise ratio: 73 dB
Separation: 50 dB at 1 kHz

AM/LW

Tuning range:
    531 kHz – 1,602 kHz (AM),
    153 kHz – 279 kHz (LW)
Sensitivity:
    AM: 26 μV
    LW: 50 μV

For Asia Pacific and India models:

FM

Tuning range:
    87.5 MHz – 108.0 MHz (at 50 kHz step)
    87.5 MHz – 108.0 MHz (at 100 kHz step)
    87.5 MHz – 107.9 MHz (at 200 kHz step)
FM tuning step:
    50 kHz/100 kHz/200 kHz switchable
Usable sensitivity: 7 dBf
Signal-to-noise ratio: 73 dB

Separation: 50 dB at 1 kHz

AM

Tuning range:
    531 kHz – 1,602 kHz (at 9 kHz step)
    530 kHz – 1,710 kHz (at 10 kHz step)
AM tuning step:
    9 kHz/10 kHz switchable
    Sensitivity: 26 μV

USB Player section

Interface: USB (Full speed)
Maximum current: 1 A
Maximum number of recognizable folders and files:
    Folders (albums): 256
    Files (tracks) per folder: 256
Compatible Android Open Accessory protocol (AOA): 2.0
Corresponding codec:
    MP3 (.mp3)
        Bit rate: 8 kbps – 320 kbps (Supports VBR (Variable Bit Rate))
        Sampling rate: 16 kHz – 48 kHz
    WMA (.wma)
        Bit rate: 32 kbps – 192 kbps (Supports VBR (Variable Bit Rate))
        Sampling rate: 32 kHz, 44.1 kHz, 48 kHz
    AAC (.m4a, .mp4)
        Bit rate: 16 kbps – 320 kbps (stereo)
        Sampling rate: 8 kHz – 48 kHz
    FLAC (.flac)
        Bit depth: 16 bit, 24 bit
        Sampling rate: 44.1 kHz, 48 kHz
Supported file system: FAT16, FAT32

Wireless Communication

Communication System:
    BLUETOOTH Standard version 3.0
Output:
    BLUETOOTH Standard Power Class 2 (Max. +4 dBm)
Maximum communication range*1:
    Line of sight approx. 10 m (33 ft)
Frequency band:
    2.4 GHz band (2.4000 GHz – 2.4835 GHz)
Modulation method: FHSS
Compatible BLUETOOTH Profiles*2:
    A2DP (Advanced Audio Distribution Profile) 1.3
    AVRCP (Audio Video Remote Control Profile) 1.3
    HFP (Handsfree Profile) 1.6
    PBAP (Phone Book Access Profile)
    SPP (Serial Port Profile)
Corresponding codec:
    SBC (.sbc), AAC (.m4a)

*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.

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Power amplifier section

Output: Speaker outputs
Speaker impedance: 4 Ω – 8 Ω
Maximum power output: 55 W × 4 (at 4 Ω)

General

Power requirements: 12 V DC car battery (negative ground (earth))
Rated current consumption: 10 A
Dimensions:
  Approx. 178 mm × 100 mm × 177 mm
    (7 1/8 in × 4 in × 7 in) (w/h/d)
Mounting dimensions:
  Approx. 182 mm × 111 mm × 159 mm
    (7 1/4 in × 4 3/8 in × 6 3/8 in) (w/h/d)
Mass: Approx. 1.0 kg (2 lb 4 oz)
Package contents:
  Main unit (1)
  Remote commander (1): RM-X231 (except for Europe models)
  Microphone (1)
  Parts for installation and connections (1 set)
Optional accessories/equipment:
  SiriusXM Connect Vehicle Tuner: SXV100, SXV200, SXV300 (US/Canada models only)
  Cable for steering wheel remote input: RC-SR1

Ask the dealer for detailed information.

Design and specifications are subject to change without notice.

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libFLAC

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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, see "Connection/Installation" (page 33). If the problem is not solved, visit the support site on the back cover.

General

No power is being supplied to the unit. (except for Europe models)
→ If the unit is turned off and the display disappears, the unit cannot be operated with the remote commander.
  — Turn on the unit.

No sound or the sound is very low.
→ The position of the fader control [FADER] is not set for a 2-speaker system.
→ The volume of the unit and/or connected device is very low.
  — Increase the volume of the unit and connected device.

No beep sound.
→ 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.

Stored stations and correct time are erased.
The fuse has blown.
Makes a 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, the demonstration mode starts.
→ If no operation is performed for 5 minutes with [DEMO-ON] set, the demonstration mode starts.
  — Set [DEMO-OFF] (page 20).

The display disappears from/does not appear in the display window.
→ The dimmer is set to [DIMMER-ON] (page 22).
→ The display disappears if you press and hold OFF.
  — Press OFF on the unit until the display appears.

The display disappears while the unit is operating. (Asia Pacific and India models only)
→ [BLACK OUT] (black out) is set to [B.OUT-ON] (page 00).

The display/illumination flashes.
→ The power supply is not sufficient.
  — Check that the car battery supplies enough power to the unit. (The power requirement is 12 V DC.)

The operation buttons do not function.
→ The connection is not correct.
  — Press and hold DSPL and CALL 📞 for more than 2 seconds to reset the unit (page 8). The contents stored in memory are erased. For your safety, do not reset the unit while you are driving.

The clock set automatically is not accurate.
→ The clock data on radio waves is not accurate.
  — Set the clock manually (page 00).

Radio reception

Stations cannot be received.
The sound is hampered by noises.
→ The connection is not correct.
  — If your car has built-in radio antenna (aerial) in the rear/side glass, 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.
  — Check the connection of the car antenna (aerial).
  — If the auto antenna (aerial) will not extend, check the connection of the power antenna (aerial) control lead.
→ The tuning step setting has been erased.
  — Set the tuning step again (page 8). (Asia Pacific and India models only)

Preset tuning is not possible.
→ The broadcast signal is too weak.

65 MHz to 74 MHz in FM3 cannot be tuned in. (Europe models only)
→ [AREA] is set to [EUROPE].
  — Set [AREA] to [RUSSIA] (page 00).

RDS

RDS services cannot be received (when [AREA] is set to [RUSSIA]). (Europe models only)
→ FM3 is selected.
  — Select FM1 or FM2.
→ RDS services are unavailable in the current region.

The SEEK starts after a few seconds of listening. (Europe models only)
→ The station is non-TP or has weak signal.
  — Deactivate TA (page 00).

No traffic announcements. (Europe models only)
➜ Activate TA (page 11).
➜ The station does not broadcast any traffic
announcements despite being TP.
— Tune in another station.

PTY displays [- - - - - - - -].
➜ The current station is not an RDS station.
➜ RDS data has not been received.
➜ The station does not specify the program type.

Program service name flashes. (Europe models only)
➜ There is no alternative frequency for the current
station.
— Press ⏮ /⏭ (SEEK –/+) while the program
service name is flashing. [PI SEEK] appears and
the unit starts searching for another frequency
with the same PI (program identification) data.

USB device playback

You cannot play items via a USB hub.
➜ This unit cannot recognize USB devices via a USB
hub.

A USB device takes longer to play.
➜ The USB device contains files with a complicated
tree structure.

The sound is intermittent.
➜ The sound may be intermittent at a high-bit-rate.
➜ DRM (Digital Rights Management) files may not
be playable in some cases.

The audio file cannot be played.
➜ USB device formatted with file systems other
than FAT16 or FAT32 are unsupported.*

* This unit supports FAT16 and FAT32, but some USB
device may not support all of these FAT. For details,
refer to the operating instruction of each USB device
or contact the manufacturer.

Operations for skipping an album, skipping items (Jump mode), and searching a track by name ("Quick-BrowZer") cannot be performed.
➜ These operations cannot be performed when a
USB device in Android mode or iPod is
connected.
— Set [USB MODE] to [MSC/MTP] (page 20).
— Remove the iPod.
➜ The USB mode of the device is not set to the
appropriate mode.
— Make sure that the USB mode of the device is
set to MSC/MTP mode.

The sound cannot be output during playback in Android mode.
➜ While the unit is in Android mode, the sound
outputs only from the Android smartphone.
— Check the status of the audio playback
application on the Android smartphone.
— Playback may not perform properly depending
on the Android smartphone.

BLUETOOTH function

The connecting device cannot detect this unit.
➜ Before the pairing is made, set this unit to pairing
standby mode.
➜ While connected to two BLUETOOTH devices, this
unit cannot be detected from another device.
— Disconnect either connection and search for
this unit from another device.
➜ When the device pairing is made, set the
BLUETOOTH signal output to on (page 9).

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.

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 22).
➜ The speakers are not connected to the unit.
— Connect the speakers to the unit. To select the
speakers for ringtone, press MENU, then select
[BLUETOOTH] ➜ [VOICE-OUT] (page 00).

The talker's voice cannot be heard.
➜ The speakers are not connected to the unit.
— Connect the speakers to the unit. To select the
speakers for talker's voice, press MENU, then
select [BLUETOOTH] ➜ [VOICE-OUT] (page 00).

A call partner says that the volume is too low or high.
➜ Adjust the volume accordingly using mic gain
adjustment (page 18).

Echo or noise occurs in phone call conversations.
→ Lower the volume.
→ Set EC/NC Mode to [EC/NC-1] or [EC/NC-2] (page 18).
→ 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 mobile phone.
  — Move your car to a place where you can enhance the mobile 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 (page 22).

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 mobile 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.

A call is answered unintentionally.
→ The connecting phone is set to answer a call automatically.

Pairing failed due to a timeout.
→ Depending on the connecting device, the time limit for pairing may be short.
  — Try completing the pairing within the time.

Cannot pair.
→ The unit may not be able to pair with a previously paired BLUETOOTH device after initializing the unit if the pairing information of the unit is on the BLUETOOTH device. In this case, delete the pairing information of the unit from the BLUETOOTH device, and then pair them again.

BLUETOOTH function cannot operate.
→ Turn off the unit by pressing and holding 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 mobile phone, set the mobile phone to output the sound from the car speakers.

Siri Eyes Free is not activated.
→ Perform the handsfree registration for an iPhone that supports Siri Eyes Free.
→ Set the Siri function on the iPhone to on.
→ Cancel the BLUETOOTH connection with the iPhone and the unit, and reconnect.

"Sony | Music Center" operation

Application name is mismatched with the actual application in "Sony | Music Center".
→ Launch the application again from the "Sony | Music Center" application.

While running the "Sony | Music Center" application via BLUETOOTH, the display automatically switches to [BT AUDIO].
→ The "Sony | Music Center" application or BLUETOOTH function has failed.
→ Run the application again.

The "Sony | Music Center" application is automatically disconnected when the display switches to [IPOD].
→ The "Sony | Music Center" application on iPhone/iPod does not support iPod playback.
  — Change the source of the unit to other than [IPOD], then establish the "Sony | Music Center" connection (page 18).

The "Sony | Music Center" connection is automatically disconnected when the USB mode of the unit is changed to [ANDROID].
→ The Android smartphone is not supporting playback in Android mode.
  — Set the USB mode of the unit to [MSC/MTP], then establish the "Sony | Music Center" connection (page 18).

Pandora® operation (US/Canada and Walmart models only)

Pandora® connection is not possible.
→ Shut down the Pandora® application on the mobile device, and then launch it again.

Messages

The following messages may appear or flash during operation.

INVALID
→ The selected operation could be invalid.

READ: Now reading information.
→ Wait until reading is complete and playback starts automatically. This may take some time depending on the file organization.

_ (underscore): The character cannot be displayed.

For USB device playback:

HUB NO SUPPORT: USB hubs are not supported.

IPOD STOP: iPod playback has finished.
→ Operate your iPod/iPhone to start playback.

NOT SUPPORT ANDROID MODE
→ A USB device not supporting AOA (Android Open Accessory) 2.0 is connected to the unit while [USB MODE] is set to [ANDROID].
 — Set [USB MODE] to [MSC/MTP] (page 20).

USB ERROR: The USB device cannot be played.
→ Connect the USB device again.

USB NO DEVICE: A USB device is not connected or recognized.
→ Make sure the USB device or USB cable is securely connected.

USB NO MUSIC: There is no playable file.
→ Connect a USB device containing playable files (page 25).

USB NO SUPPORT: The USB device is not supported.
→ For details on the compatibility of your USB device, visit the support site on the back cover.

USB OVERLOAD: The USB device is overloaded.
→ Disconnect the USB device, then press SRC to select another source.
→ The USB device has a fault, or an unsupported device is connected.

For RDS operation (Europe models only):

NO AF: No alternative frequencies.
→ Press ◄◄/►►I (SEEK −/+) while the program service name is flashing. The unit starts searching for another frequency with the same PI (program identification) data ([PI SEEK] appears).

NO PI: No program identification. The selected station has no PI (program identification) data.
→ Select another station.

NO TP: No traffic programs.
→ The unit will continue searching for available TP stations.

For BLUETOOTH function:

BT AUDIO NO DEVICE: The BLUETOOTH device is not connected or recognized.
→ Make sure the BLUETOOTH device is securely connected, or the BLUETOOTH connection is established with the BLUETOOTH device.

FILE ERROR: The selected operation could not be performed.
→ Wait for a while, then try again.

NO INFO: The phone number is hidden by the caller.

NO SUPPORT: The selected operation is not allowed or supported.
→ Make sure the BLUETOOTH device is supporting HFP (Handsfree Profile).

UNKNOWN: A name or phone number cannot be displayed.

For "Sony | Music Center" operation:

APP -----------: A connection with the application is not established.
→ Make the "Sony | Music Center" connection again (page 18).

APP DISPLAY: A screen setting display of the application is open.
→ Exit the screen setting display of the application to enable button operation.

APP LIST: The contents list of the USB/iPod is open.
→ Exit the list of the application to enable button operation.

APP MENU: A setting display of the application is open.
→ Exit the setting display of the application to enable button operation.

APP NO DEVICE: The device with the application installed is not connected or recognized.
→ Make the BLUETOOTH connection and establish the "Sony | Music Center" connection again (page 18).

APP SOUND: A sound setting display of the application is open.
→ Exit the sound setting display of the application to enable button operation.

OPEN SONY APP: The "Sony | Music Center" application is not running.
→ Launch the application.

SONY APP DISCNCTED: The application is disconnected.
→ Make the "Sony | Music Center" connection (page 18).

For Pandora® operation (US/Canada and Walmart models only):

PANDORA BOOKMARK ERROR: Bookmarking failed.
→ Wait for a while, then try again.

LOG IN ERROR: You are not logged into your Pandora® account.
→ Disconnect the device, log into your Pandora® account, then connect the device again.

PANDORA NO DEVICE: The BLUETOOTH device is not connected or recognized.
→ Make sure the BLUETOOTH device is securely connected, or the BLUETOOTH connection is established with the BLUETOOTH device. Then, select the Pandora® source again.

PANDORA NO STATIONS: No stations on your account.
→ Create the station on the mobile device.

NOT ALLOWED: The selected operation is 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.

PANDORA UNAVAILABLE: Pandora® is not available outside your country or the selected station is no longer available or expired.
→ Select another station.

PANDORA ERROR: The selected operation could not be performed or the Pandora® server is under maintenance.
→ Wait for a while, then try again.

PANDORA NOT FOUND: Pandora® is not on your device or is not running.
→ Make sure the Pandora® application is installed and running properly. Then, select the Pandora® source again.

PANDORA BAD NETWORK: The network connection is unstable or lost.
→ Make the network connection again on the device, or wait until the network connection is established.

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

THUMBS ERROR: "Thumbs" feedback failed.
→ Wait for a while, then try again.

PANDORA UPDATE APP: An old version of Pandora® is connected.
→ Update the Pandora® application to the latest version.

For SiriusXM operation (US/Canada models only):

CHANNEL LOCKED
→ The channel that you have requested is locked by the radio parental control feature.
See "To set a parental control" (page 13) for more information on the parental control feature and how to access locked channels.

CHANNEL NOT AVAILABLE
→ The channel that you have requested is not a valid SiriusXM channel or the channel that you were listening to is no longer available.
→ You may also see this message briefly when first connecting a new SiriusXM Connect Vehicle Tuner.
Visit www.siriusxm.com in the USA or www.siriusxm.ca in Canada for SiriusXM channel lineup information.

CHANNEL NOT SUBSCRIBED
→ The channel that you have requested is not included in your SiriusXM subscription package or the channel that you were listening to is no longer included in your SiriusXM subscription package.
If you have questions about your subscription package or would like to subscribe to this channel, please contact SiriusXM.
In the USA, visit www.siriusxm.com or call 1-866-635-2349.
In Canada, visit www.siriusxm.ca or call 1-877-438-9677.

CHECK ANTENNA
→ The radio has detected a fault with the SiriusXM antenna (aerial).
→ The antenna (aerial) cable may be either disconnected or damaged.
  — Verify that the antenna (aerial) cable is connected to the SiriusXM Connect Vehicle Tuner.
  — Inspect the antenna (aerial) cable for damage and kinks.
  — Replace the antenna (aerial) if the cable is damaged. SiriusXM products are available at your local car audio retailer or online at www.shop.siriusxm.com

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.

INCORRECT PASS CODE ENTERED
→ The entered passcode is incorrect.
  — Enter the correct passcode.
  — If you forget your passcode, perform "SXM RESET" in "GENERAL" (page 21).
    Note that performing "SXM RESET" will initialize all the SiriusXM settings and stored contents in the SiriusXM Connect Vehicle Tuner.

NO SIGNAL
→ SiriusXM Connect Vehicle Tuner is having difficulty receiving the SiriusXM satellite signal.
  — Verify that your vehicle is outdoors with a clear view of the sky.
  — Verify that the SiriusXM magnetic mount antenna (aerial) is mounted on a metal surface on the outside of the vehicle.
  — Move the SiriusXM antenna away from any obstructions.
  — Inspect the antenna (aerial) cable for damage and kinks.
  — Consult the SiriusXM Connect Vehicle Tuner installation manual for more information on antenna installation.

— Replace the antenna (aerial) if the cable is damaged. SiriusXM products are available at your local car audio retailer or online at www.shop.siriusxm.com

SUBSCRIP UPDATED - PRESS ENTER TO CONTINUE
→ The radio has detected a change in your SiriusXM subscription status.
  — Press ENTER to clear the message.
    If you have questions about your subscription, please contact SiriusXM.
    In the USA, visit www.siriusxm.com or call 1-866-635-2349.
    In Canada, visit www.siriusxm.ca or call 1-877-438-9677.

For steering wheel remote control operation:

ERROR: An error occurred during the function registration.
→ Register again from the function where the error occurred (page 20).

TIMEOUT: The function registration failed due to a timeout.
→ Try completing the registration while [REGISTER] is blinking (about 6 seconds) (page 20).

For firmware update operation:

FILE ERROR: The updater is not stored in the USB device.
→ Store the updater in the USB device, then try again (page 23).

UPDATE ERROR PRESS ENTER: Firmware update is not completed properly.
→ Press ENTER to clear the message, then try again. During the update, do not turn the ignition to the OFF position, nor remove the USB device (page 23).

If these solutions do not help improve the situation, consult your nearest Sony dealer.

Cautions

- **Run all ground (earth) leads to a common ground (earth) point.**
- Do not get the leads trapped under a screw, or caught in moving parts (e.g., seat railing).
- Before making connections, turn the car ignition off to avoid short circuits.
- Connect the **yellow** and **red** power supply leads only after all other leads have been connected. For Europe models only: Connect the power supply lead ② to the unit and speakers before connecting it to the auxiliary power connector.
- Be sure to insulate any loose unconnected leads with electrical tape for safety.
- Choose the installation location carefully so that the unit will not interfere with normal driving operations.
- Avoid installing the unit in areas subject to dust, dirt, excessive vibration, or high temperature, such as in direct sunlight or near heater ducts.
- Use only the supplied mounting hardware for a safe and secure installation.

Note on the power supply lead (yellow)
When connecting this unit in combination with other stereo components, the amperage rating of the car circuit to which the unit is connected must be higher than the sum of each component's fuse amperage rating.

Mounting angle adjustment
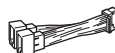Adjust the mounting angle to less than 30°.

Parts List for Installation

① **Mounting screws (5 × max. 8 mm (7/32 × max. 5/16 in)) (4)**

② **Power connection cable (1) (except for Europe models)**
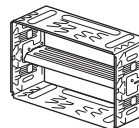
② **Power connection cable (1) (Europe models only)**

③ **Microphone (1)**

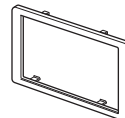④ **Double-sided tape (1)**

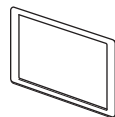⑤ **Mounting bracket (1) (Europe models only)**

⑥ **Release keys (2) (Europe models only)**
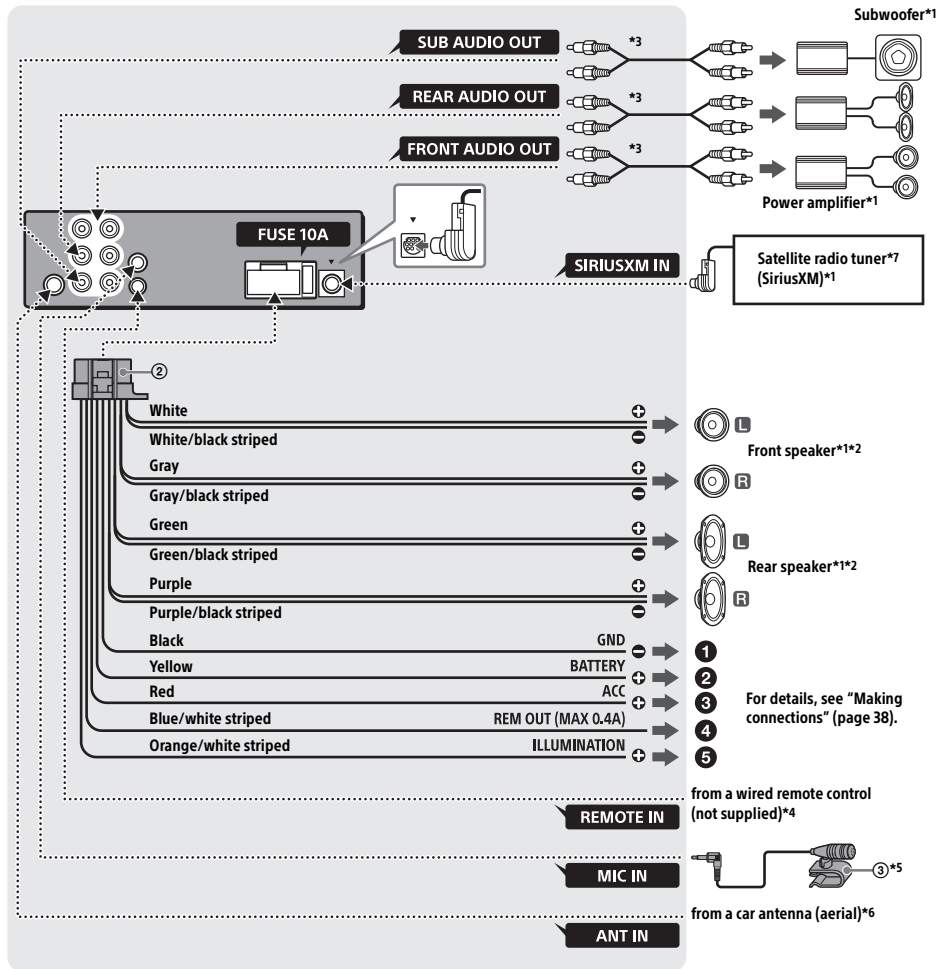
⑦ **Front frame (1) (Europe models only)**

⑦ **Front frame (1) (India models only)**

- This parts list does not include all the package contents.
- The bracket ⑤ is attached to the unit before shipping. Before mounting the unit, use the release keys ⑥ to remove the bracket ⑤ from the unit. For details, see "Removing the bracket" (page 00). (Europe models only)
- Keep the release keys ⑥ for future use as they are also necessary if you remove the unit from your car. (Europe models only)

33GB

Connection (for US/Canada models)

SUB AUDIO OUT *3 — Subwoofer*1

REAR AUDIO OUT *3

FRONT AUDIO OUT *3 — Power amplifier*1

FUSE 10A

SIRIUSXM IN — Satellite radio tuner*7 (SiriusXM)*1

Wire	Signal	
White	⊕	Front speaker*1*2 L
White/black striped	⊖	
Gray	⊕	Front speaker*1*2 R
Gray/black striped	⊖	
Green	⊕	Rear speaker*1*2 L
Green/black striped	⊖	
Purple	⊕	Rear speaker*1*2 R
Purple/black striped	⊖	
Black	GND ⊖	❶
Yellow	BATTERY ⊕	❷
Red	ACC ⊕	❸
Blue/white striped	REM OUT (MAX 0.4A) ⊕	❹
Orange/white striped	ILLUMINATION ⊕	❺

For details, see "Making connections" (page 38).

REMOTE IN — from a wired remote control (not supplied)*4

MIC IN — ③*5

ANT IN — from a car antenna (aerial)*6

*1 Not supplied
*2 Speaker impedance: 4 Ω to 8 Ω × 4
*3 RCA pin cord (not supplied)
*4 Depending on the type of car, use an adaptor for a wired remote control (not supplied).
  For details on using the wired remote control, see "Using the wired remote control" (page 40).
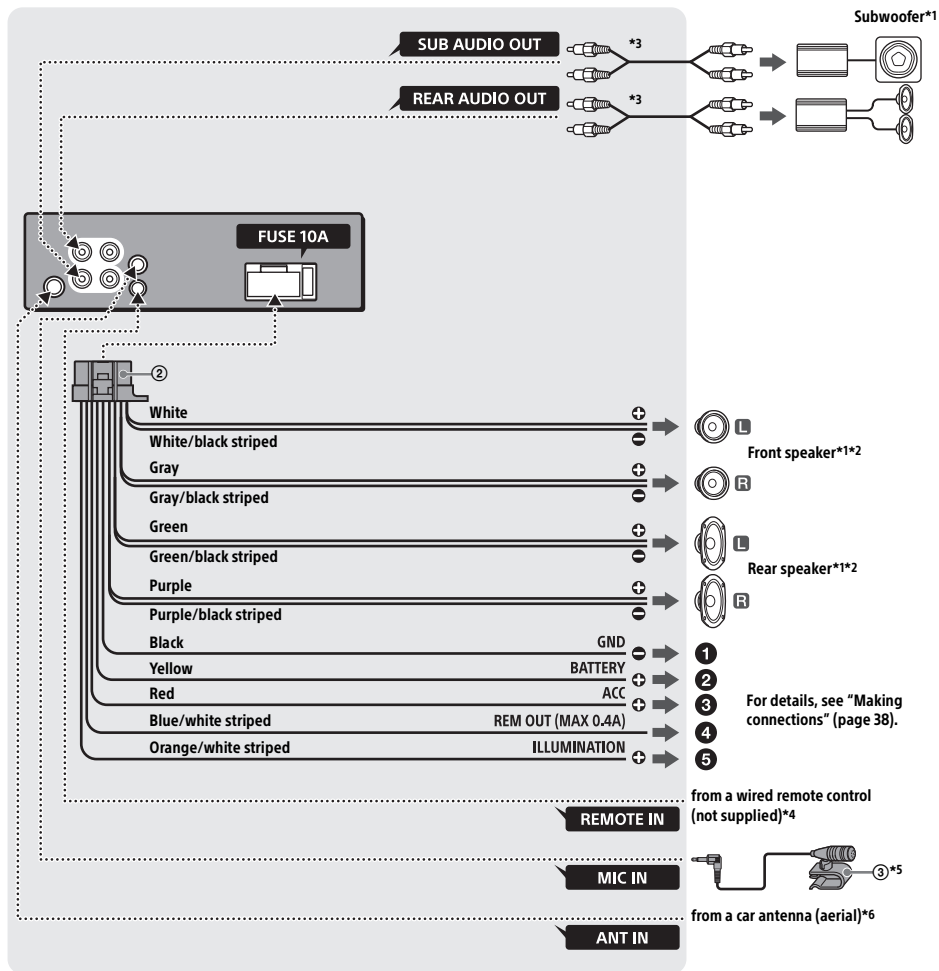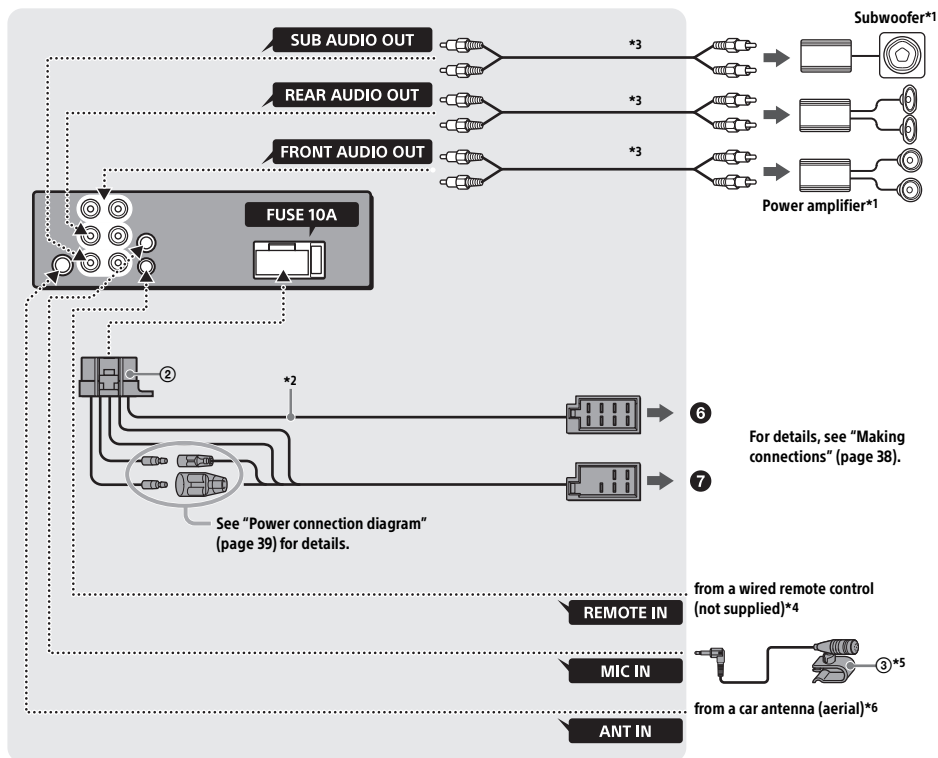*5 Whether in use or not, route the microphone input cord such that it does not interfere with driving operations. Secure the cord with a clamp, etc., if it is installed around your feet.
  For details on installing the microphone, see "Installing the microphone" (page 39).

*6 Depending on the type of car, use an adaptor (not supplied) if the antenna (aerial) connector does not fit.
*7 For more information on how to install the SiriusXM Connect Vehicle tuner, consult the installation guide included with the tuner.

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Connection (for Walmart models)

*1 Not supplied
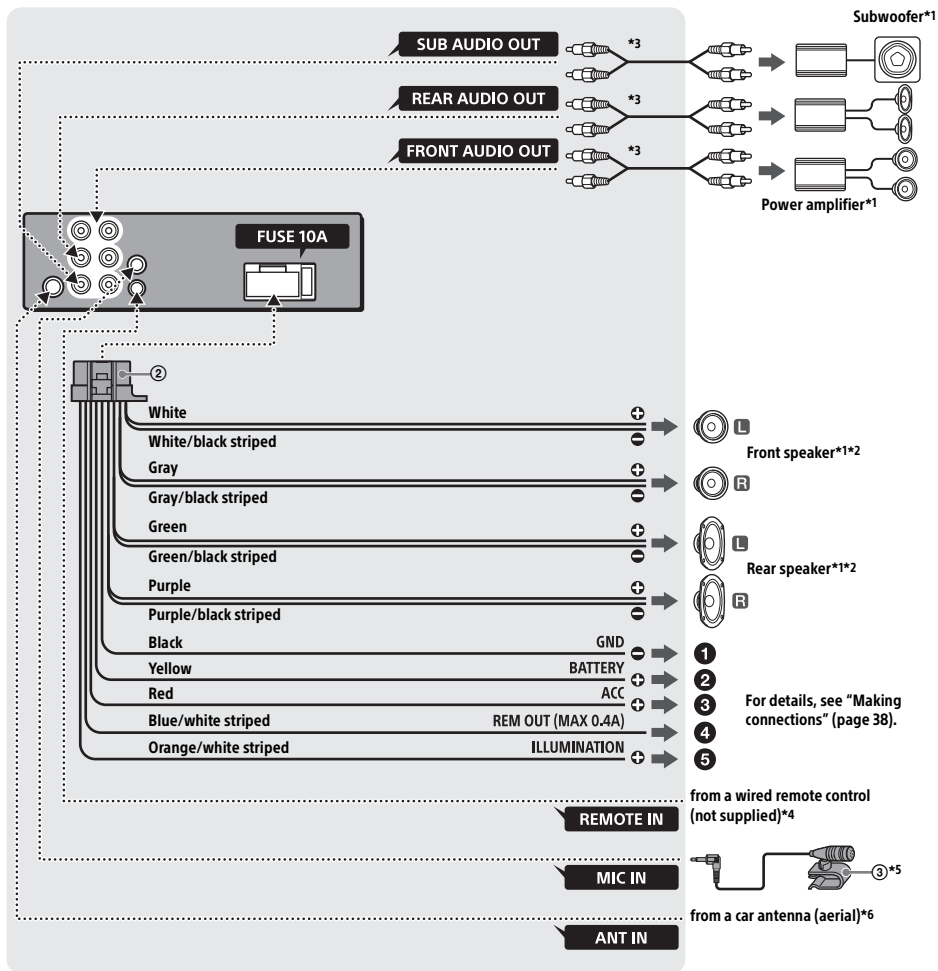
*2 Speaker impedance: 4 Ω to 8 Ω × 4

*3 RCA pin cord (not supplied)

*4 Depending on the type of car, use an adaptor for a wired remote control (not supplied).
For details on using the wired remote control, see "Using the wired remote control" (page 40).

*5 Whether in use or not, route the microphone input cord such that it does not interfere with driving operations. Secure the cord with a clamp, etc., if it is installed around your feet.
For details on installing the microphone, see "Installing the microphone" (page 39).

*6 Depending on the type of car, use an adaptor (not supplied) if the antenna (aerial) connector does not fit.

Connection (for Europe models)

*1 Not supplied
*2 Speaker impedance: 4 Ω – 8 Ω × 4
*3 RCA pin cord (not supplied)
*4 Depending on the type of car, use an adaptor for a wired remote control (not supplied).
  For details on using the wired remote control, see "Using the wired remote control" (page 00).

*5 Whether in use or not, route the microphone input cord such that it does not interfere with driving operations. Secure the cord with a clamp, etc., if it is installed around your feet.
  For details on installing the microphone, see "Installing the microphone" (page 00).
*6 Depending on the type of car, use an adaptor (not supplied) if the antenna (aerial) connector does not fit.

Connection (for Asia Pacific and India models)

SUB AUDIO OUT
REAR AUDIO OUT
FRONT AUDIO OUT
*3
*3
*3
Subwoofer*1
Power amplifier*1

FUSE 10A

White
White/black striped
Gray
Gray/black striped
Front speaker*1*2 L R

Green
Green/black striped
Purple
Purple/black striped
Rear speaker*1*2 L R

Black   GND   ❶
Yellow   BATTERY   ❷
Red   ACC   ❸
Blue/white striped   REM OUT (MAX 0.4A) ❹
Orange/white striped   ILLUMINATION ❺

For details, see "Making connections" (page 38).

REMOTE IN
from a wired remote control (not supplied)*4

MIC IN
*5

from a car antenna (aerial)*6

ANT IN

*1 Not supplied
*2 Speaker impedance: 4 Ω – 8 Ω × 4
*3 RCA pin cord (not supplied)
*4 Depending on the type of car, use an adaptor for a wired remote control (not supplied).
For details on using the wired remote control, see "Using the wired remote control" (page 40).

*5 Whether in use or not, route the microphone input cord such that it does not interfere with driving operations. Secure the cord with a clamp, etc., if it is installed around your feet.
For details on installing the microphone, see "Installing the microphone" (page 39).
*6 Depending on the type of car, use an adaptor (not supplied) if the antenna (aerial) connector does not fit.

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Making connections

❶ To a common ground (earth) point
First connect the black ground (earth) lead, then connect the yellow and red power supply leads.

❷ To the +12 V power terminal which is energized at all times
Be sure to first connect the black ground (earth) lead to a common ground (earth) point.

❸ To the +12 V power terminal which is energized when the ignition switch is set to the accessory position
If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times.
Be sure to first connect the black ground (earth) lead to a common ground (earth) point.

❹ To the power antenna (aerial) control lead or the power supply lead of the antenna (aerial) booster
It is not necessary to connect this lead if there is no power antenna (aerial) or antenna (aerial) booster, or with a manually-operated telescopic antenna (aerial).
To AMP REMOTE IN of an optional power amplifier
This connection is only for amplifiers and a power antenna (aerial). Connecting any other system may damage the unit.

❺ To a car's illumination signal
Be sure to first connect the black ground (earth) lead to a common ground (earth) point.

For Europe models only:
If you have a power antenna (aerial) without a relay box, connecting this unit with the supplied power supply lead ❷ may damage the antenna (aerial).

❻ To the car's speaker connector
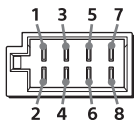
1	Rear speaker (right)	⊕	Purple
2		⊖	Purple/black striped
3	Front speaker (right)	⊕	Gray
4		⊖	Gray/black striped
5	Front speaker (left)	⊕	White
6		⊖	White/black striped
7	Rear speaker (left)	⊕	Green
8		⊖	Green/black striped

❼ To the car's power connector
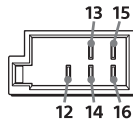
12	continuous power supply	Yellow
13	power antenna (aerial) / power amplifier control (REM OUT)	Blue/white striped
14	switched illumination power supply	Orange/white striped
15	switched power supply	Red
16	ground (earth)	Black

Subwoofer Easy Connection

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

Front speaker
Subwoofer
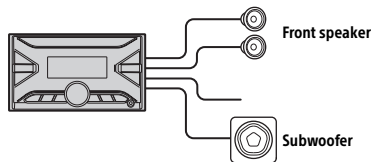
Notes
- Preparation of the rear speaker leads is required. (Europe models only)
- Use a subwoofer with an impedance of 4 Ω to 8 Ω, and with adequate power handling capacities to avoid damage.

Memory hold connection

When the yellow power supply lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.
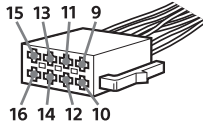
Speaker connection

- Before connecting the speakers, turn the unit off.
- Use speakers with an impedance of 4 Ω to 8 Ω, and with adequate power handling capacities to avoid damage.
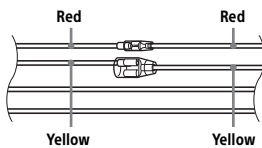
Power connection diagram (Europe models only)

Check your car's auxiliary power connector, and match the connections of leads correctly depending on the car.
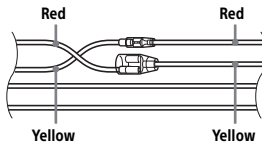
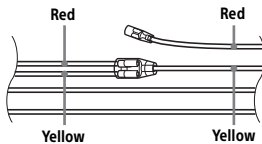**Auxiliary power connector**

Common connection

12	continuous power supply	Yellow
15	switched power supply	Red

When the positions of the red and yellow leads are inverted

| 12	switched power supply	Yellow
15	continuous power supply	Red

When the car without ACC position

After matching the connections and switching power supply leads correctly, connect the unit to the car's power supply. If you have any questions and problems connecting your unit that are not covered in this manual, consult the car dealer.

Installing the microphone

To capture your voice during handsfree calling, you need to install the microphone ③.

Clip (not supplied)
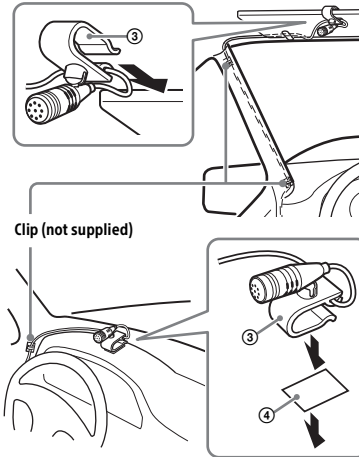
Cautions
- It is extremely dangerous if the cord becomes wound around the steering column or gearstick. Be sure to keep it and other parts from interfering with your driving operations.
- If airbags or any other shock-absorbing equipment is in your car, contact the store where you purchased this unit, or the car dealer, before installation.

Note
Before attaching the double-sided tape ④, clean the surface of the dashboard with a dry cloth.

Using the wired remote control

When using the steering wheel remote control

Installation of the connection cable RC-SR1 (not supplied) is required before use.

1 **To enable the steering wheel remote control, select [STEERING] → [EDIT CUSTOM] to make the registration (page 20).**
   When the registration completes, the steering wheel remote control becomes available.

Notes on installing the connection cable RC-SR1 (not supplied)
- Refer to the support sites on the back cover for details, then connect each lead properly to the appropriate leads. Making an improper connection may damage the unit.
- Depending on the type of car, be sure to insulate the unused leads with electrical tape for safety.
- Do not connect this cable when the steering wheel remote control is not used.
- Consulting the dealer or an experienced technician for help is recommended.
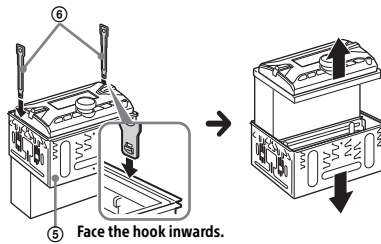
When using the wired remote control

1 **To enable the wired remote control, set [STR CONTROL] in [STEERING] to [PRESET] (page 20).**

Installation

Removing the bracket (Europe models only)

Before installing the unit, remove the bracket ⑤ from the unit.

1 **Insert both release keys ⑥ until they click, and pull down the bracket ⑤, then pull up the unit to separate.**

⑤ **Face the hook inwards.**

Mounting the unit in the dashboard

For Japanese cars, see "Mounting the unit in a Japanese car" (page 41).

Mounting the unit with an installation kit (not supplied) (except for Europe models)

You can use a commercially available double DIN installation kit. Choose an installation kit with the following panel frame size.
Larger than 172 mm × 97 mm (6 $7/8$ in × 3 $7/8$ in) (w/h), with an inner corner radius of less than 0.5 mm ($1/32$ in).
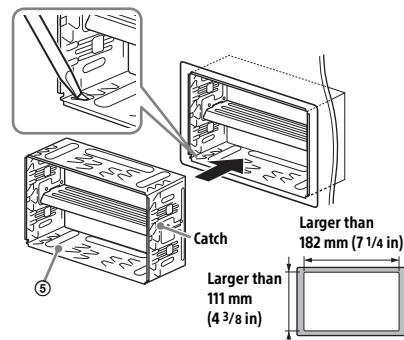
Note
Be sure to use the mounting screws ①.

To dashboard/center console

Larger than 97 mm (3 $7/8$ in)

Larger than 172 mm (6 $7/8$ in)

**Installation kit (not supplied)**
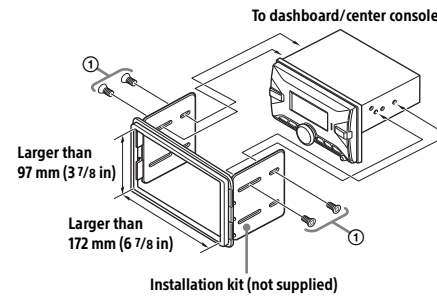
Mounting the unit with the supplied bracket (Europe models only)

Before installing, make sure the catches on both sides of the bracket ⑤ are bent inwards 3.5 mm ($5/32$ in).

1 **Position the bracket ⑤ inside the dashboard, then bend the claws outward for a tight fit.**

Catch

Larger than 182 mm (7 $1/4$ in)

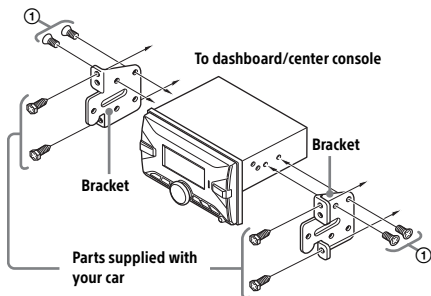Larger than 111 mm (4 $3/8$ in)

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2 Mount the unit onto the bracket ⑤.
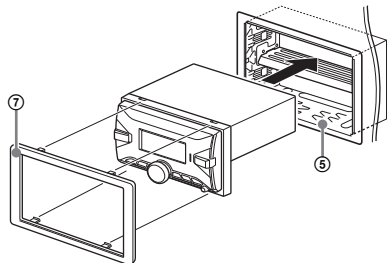
Note
If the catches are straight or bent outwards, the unit will not be installed securely and may spring out.

Mounting the unit in a Japanese car

You may not be able to install this unit in some makes of Japanese cars. In such a case, consult your Sony dealer.

When mounting this unit to the preinstalled brackets of your car, use the mounting screws ① in the appropriate screw holes based on your car: T for TOYOTA and N for NISSAN.
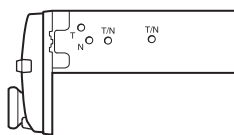

Note
To prevent malfunction, install only with the mounting screws ①.

Resetting the unit

For details, see "Resetting the Unit" (page 8).

Fuse replacement

When replacing the fuse, be sure to use one matching the amperage rating stated on the original fuse. If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In such a case, consult your nearest Sony dealer.

Fuse (10 A)

41GB
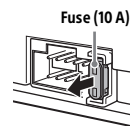
Support site
If you have any questions or for the latest support information on this product, please visit the web site below:

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 :

Sitio Web de soporte técnico en línea
Para resolver cualquier duda u obtener la información más reciente sobre el soporte técnico de este producto, visite el siguiente sitio Web:

Support-Website
Wenn Sie Fragen haben oder die neuesten Support-Informationen zu diesem Produkt abrufen möchten, rufen Sie bitte folgende Website auf:

Sito di assistenza clienti
In caso di domande o per le informazioni più aggiornate sul presente prodotto, visitare il seguente sito Web:

Сайт для получения поддержки
В случае возникновения вопросов и для получения самых последних сведений о данном продукте посетите следующий веб-сайт:

http://www.sony.eu/support

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