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SONY®

5-025-709-11(1)

# AV RECEIVER

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. XAV-AX8100

Serial No. \_\_\_\_\_

**To cancel the demonstration (Demo) display, see page 7.**

For the connection/installation, see page 11.

**Pour annuler l'affichage de démonstration (Démo), reportez-vous à la page 7.**

For the connection/installation, reportez-vous à la page 11.

**Para cancelar la pantalla de demostración (Demostración), consulte la página 7.**

Para la conexión/instalación, consulte la página 12.



\* 5 0 2 5 7 0 9 1 1 \* (1)

XAV-AX8100

## 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 11).

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

**To prevent fire or shock hazard, do not expose the unit to rain or moisture.**

**To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.**

**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.

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:** <https://www.sony.com/electronics/support>  
**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: XAV-AX8100

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](http://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**

Do not install this unit in a car that has no ACC position. The display of the unit does not turn off even after turning the ignition off, and this causes battery drain.

**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**

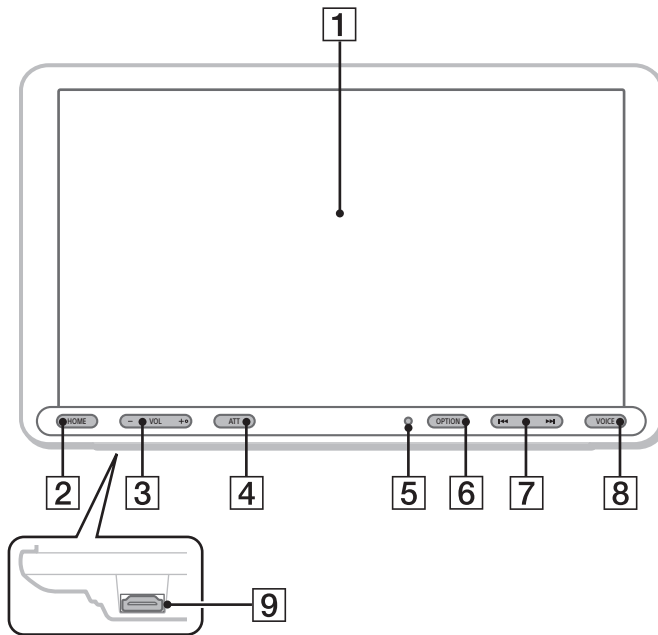
- Microwaves emitting from a BLUETOOTH device may affect the operation of electronic medical devices. Turn off this unit and other BLUETOOTH devices in the following locations, as it may cause an accident.
  - where inflammable gas is present, in a hospital, train, airplane, or petrol station
  - near 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.

## Guide to Parts and Controls

# Main Unit and Remote Commander

## Main unit



The VOL (volume) + button has a tactile dot.

### 1 Display/touch panel

### 2 HOME

Displays the HOME screen (page 6).

#### ● STANDBY

Press and hold to turn the unit to standby mode (USB charging is still available). To resume, press any button.

### 3 VOL (volume) +/-

### 4 ATT (attenuate)

Attenuates the sound.  
To cancel, press again, or press VOL +.

#### ● MONITOR OFF

Press and hold to turn off the monitor.  
To turn back on, touch any part of the display.

### 5 Receptor for the remote commander

### 6 OPTION

Displays the OPTION screen (page 6).

### 7 <</>> (previous/next)

Functions differently depending on the selected source:

- [Radio]: select a preset station.
- [SXM] (SiriusXM): select a preset channel.
- [USB]/[Bluetooth]: move to the previous/next file.

Press and hold to:

- [Radio]: tune into a station automatically (SEEK+/SEEK-).
- [USB]/[Bluetooth]: fast-reverse/fast-forward.

### 8 VOICE

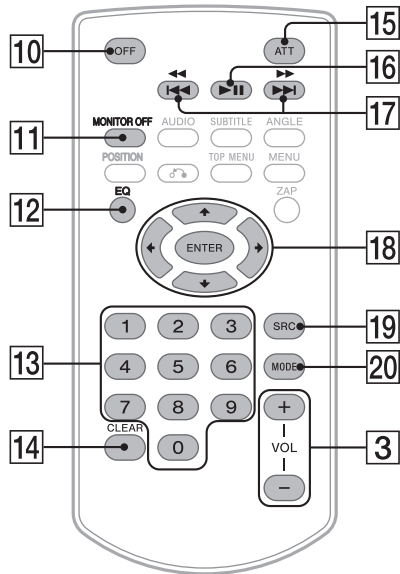
Activates the voice command function for Apple CarPlay and Android Auto™.

### 9 HDMI connector

4GB

## RM-X170 remote commander

The remote commander can be used to operate the audio controls. For menu operations, use the touch panel.



### Note

The white buttons in the illustration above are not supported.

- 10 OFF**  
Turns the source off.
- 11 MONITOR OFF**  
Turns off the monitor.  
To turn back on, press again.
- 12 EQ (equalizer)**  
Selects an equalizer curve.
- 13 Number buttons (0 to 9)**
- 14 CLEAR**
- 15 ATT (attenuate)**  
Attenuates the sound. Press again to cancel the attenuation.
- 16 ►|| (play/pause)**

### 17 ◀◀/▶▶ (previous/next)

#### ◀◀/▶▶ (fast-reverse/fast-forward)

Functions differently depending on the selected source:

- [Radio]: select a preset station.
- [SXM] (SiriusXM): select a preset channel.
- [USB]/[Bluetooth]: move to the previous/next file.

Press and hold to:

- [Radio]: tune into a station automatically (SEEK+/SEEK-).
- [USB]/[Bluetooth]: fast-reverse/fast-forward.

### 18 ◀/▶/⬆/⬇/⬇/▶

Functions differently depending on the selected source.

- [Radio]: select a preset station or tune into a station automatically.
- [SXM] (SiriusXM): select a preset channel or move to the previous/next channel.
- [USB]: select a folder or move to the previous/next file.

### ENTER

Enters the selected item.

### 19 SRC (source)

Changes the source. Each time you press this button, a selectable source is displayed in a popup on the current display.

### 20 MODE

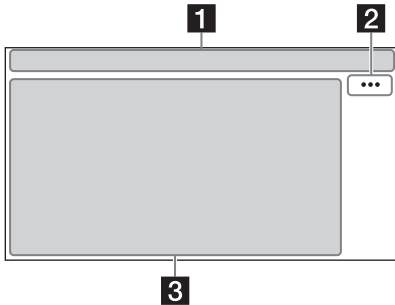
Selects the radio band.

Remove the insulation film before use.

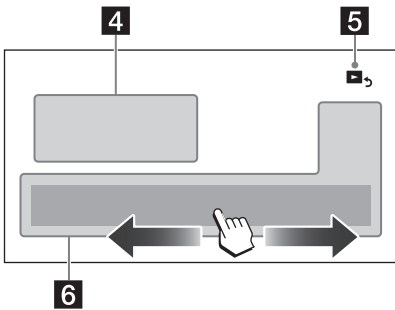


## Screen displays

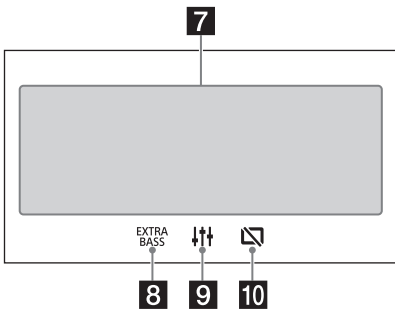
Playback screen:




HOME screen:




OPTION screen:




### 1 Status indication

-  **ATT** Lights up when the sound is attenuated.


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-  **SXM** Indicates the signal strength status of the connected SiriusXM Connect Vehicle Tuner.


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-  Lights up when the Bluetooth® signal is on. Flashes when the connection is in progress.


---

-  Lights up when the audio device is playable by enabling the A2DP (Advanced Audio Distribution Profile).


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-  Lights up when handsfree calling is available by enabling the HFP (Handsfree Profile).

---

-  Indicates the signal strength status of the connected mobile phone.

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-  Indicates the remaining battery status of the connected mobile phone.

### 2 ... (source option)

Opens the source option menu. The available items differ depending on the source.

### 3 Application specific area

Displays playback controls/indications or show the unit's status. Displayed items differ depending on the source.

### 4 Clock












Displays the time which are set on the Date/Time setting.

### 5 (return to the playback screen)

Switches from the HOME screen to the playback screen.

## 6 Sources and Settings select keys

Changes the source or make various settings.  
Flick to select the setting icon and other icons.  
Touch the source icon you want to select.

 Android Auto	 Apple CarPlay	 Radio
 SXM	 Bluetooth	 HDMI
 Rear Camera	 USB	 Phone
 Settings	 WebLink	

## 7 Sound select keys

Changes the sound.

## 8 EXTRA BASS (EXTRA BASS)

Changes the EXTRA BASS setting.

## 9 EQ10/Subwoofer

Changes the EQ10/Subwoofer setting.

## 10 (monitor off)



Turns off the monitor. When the monitor is turned off, touch any part of the display to turn it back on.

## Basic Operations

### Pairing 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.



- 1 Press HOME, then touch [Settings] → [Bluetooth] → [Bluetooth Connection] → [ON] → [Pairing].  
 flashes while the unit is in pairing standby mode.
- 2 Perform pairing on the BLUETOOTH device so it detects this unit.
- 3 Select your model name shown on the display of the BLUETOOTH device\*.  
 When pairing is made,  stays lit.

\* If passkey input is required on the BLUETOOTH device, input [0000].

### Connecting Rear View Camera

By connecting the optional rear view camera to the CAMERA IN terminal, you can display the picture from the rear view camera. For details, see "Connection/Installation" (page 11).

#### To display the picture from the rear view camera

Press HOME, then touch [Rear Camera].

### Canceling the Demonstration Mode

- 1 Press HOME, then touch [Settings].
- 2 Touch [General], then touch [Demo] to set to [OFF].
- 3 To exit the setup menu, touch ↶ (back) twice.

### Updating the Firmware

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

#### Note

During the update, do not remove the USB device.

## Additional Information

### Precautions

- Power antenna (aerial) extends automatically.
- When you transfer ownership or dispose of your car with the unit installed, initialize all the settings to the factory settings by performing the factory reset.
- Do not splash liquid onto the unit.

### Notes on safety

- Comply with your local traffic rules, laws, and regulations.
- While driving
  - Do not watch or operate the unit, as it may lead to distraction and cause an accident. Park your car in a safe place to watch or operate the unit.
  - Do not use the setup feature or any other function which could divert your attention from the road.
  - When backing up your car, be sure to look back and watch the surroundings carefully for your safety even if the rear view camera is connected. Do not depend on the rear view camera exclusively.
- While operating
  - Do not insert your hands, fingers, or foreign objects into the unit as it may cause injury or damage to the unit.
  - Keep small articles out of the reach of children.
  - Be sure to fasten seatbelts to avoid injury in the event of sudden movement of the car.

### Preventing an accident

Pictures appear only after you park the car and set the parking brake.  
If the car starts moving during video playback, the following caution is displayed and you cannot watch the video.

### [Video blocked for your safety.]

Do not operate the unit or watch the monitor while driving.

### Notes on LCD panel

- Do not get the LCD panel wet or expose it to liquids. This may cause a malfunction.
- Do not press down hard on the LCD panel as doing so can distort the picture or cause a malfunction (i.e., the picture may become unclear or the LCD panel may be damaged).
- Do not touch the panel with objects other than with your finger as it may damage or break the LCD panel.
- Clean the LCD panel with a dry soft cloth. Do not use solvents such as benzine, thinner, commercially available cleaners, or antistatic spray.
- Do not use the unit outside the temperature range 0 °C to 40 °C (32 °F to 104 °F).
- If your car was parked in a cold or hot place, the picture may not be clear. However, the monitor is not damaged and the picture will become clear after the temperature in your car becomes normal.
- Some stationary blue, red, or green dots may appear on the monitor. These are called "bright spots" and can happen with any LCD. The LCD panel is precision-manufactured with more than 99.99% of its segments functional. However, it is possible that a small percentage (typically 0.01%) of the segments may not light up properly. This will not, however, interfere with your viewing.



### Notes on the touch panel

- This unit uses a resistive touch panel. Touch the panel directly with your fingertip.
- Multi-touch operation is not supported on this unit.
- Do not touch the panel with sharp objects such as a needle, pen, or fingernail. Operation with a stylus is not supported on this unit.
- Do not let any objects contact the touch panel. If the panel is touched by an object other than your fingertip, the unit may not respond correctly.
- Since glass material is used for the panel, do not subject the unit to strong shock. If cracking or chipping occurs on the panel, do not touch the damaged part as it may cause injury.
- Keep other electrical devices away from the touch panel. They may cause the touch panel to malfunction.



## About iPhone

- **Compatible iPhone models:**  
iPhone XS Max, iPhone XS, iPhone XR, iPhone X, iPhone 8 Plus, iPhone 8, iPhone 7 Plus, iPhone 7, iPhone SE, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone 5s
- 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.

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This product contains software that Sony uses under a licensing agreement with the owner of its copyright. We are obligated to announce the contents of the agreement to customers under requirement by the owner of copyright for the software.

For details on software licenses, select [Settings] → [General] → [Open Source Licenses].

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The source code for the above-listed software is available on the Web.

To download, please access the following URL, then select the model name "XAV-AX8100."

URL: <http://www.sony.net/Products/Linux/>

Please note that Sony cannot answer or respond to any inquiries regarding the content of the source code.

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

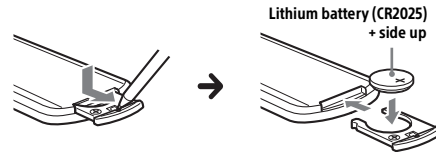
## Maintenance

### Replacing the lithium battery (CR2025) of the remote commander

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.



#### Note on the lithium battery

Keep the lithium battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.

## Specifications

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### 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)

### Monitor section

Display type: Wide LCD color monitor  
Dimensions: 8.95 in/227 mm  
System: TFT active matrix  
Number of pixels:  
1,152,000 pixels (800 × 3 (RGB) × 480)  
Color system:  
PAL/NTSC automatic select for CAMERA IN terminal

### Radio section

#### FM

Tuning range: 87.5 MHz – 107.9 MHz  
Usable sensitivity: 7 dBf  
Signal-to-noise ratio: 70 dB (mono)  
Separation at 1 kHz: 45 dB

#### AM

Tuning range: 530 kHz – 1,710 kHz  
Sensitivity: 32 μV

### USB player section

Interface:  
USB port: USB (Hi-speed)  
Maximum current: 1.5 A

### HDMI section\*

Input format: 470p, 576p, 720p

\* HDMI output is not available.

### Wireless communication

Communication System:  
BLUETOOTH Standard version 3.0  
Output:  
BLUETOOTH Standard Power Class 2  
(Max. Conducted +1 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) 1.1

Corresponding codec: SBC, AAC

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

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

### Power amplifier section

Outputs: 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 (maximum):  
Approx. 229 mm × 136 mm × 253 mm  
(9 1/8 in × 5 3/8 in × 10 in) (w/h/d)  
Mounting dimensions:  
Approx. 182 mm × 53 mm × 160 mm  
(7 1/4 in × 2 1/8 in × 6 3/8 in) (w/h/d)  
Mass: Approx. 2.4 kg (5 lb 5 oz)  
Package contents:  
Main unit (1)  
Parts for installation and connections (1 set)  
Remote commander (1): RM-X170  
Optional accessories/equipment:  
SiriusXM Connect Vehicle Tuner: SXV100, SXV200, SXV300

Ask the dealer for detailed information.

Design and specifications are subject to change without notice.

10GB

## Copyrights



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All other trademarks are trademarks of their respective owners.

## Connection/Installation

### Cautions

- Do not install this unit in a car that has no ACC position. The display of the unit does not turn off even after turning the ignition off, and this causes battery drain.
- **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.
- 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.
- Be sure to use the supplied USB extension cables.
- This unit may not be installed properly depending on the car type. For details on the mounting space, see "Ensuring the mounting location of the unit" (page 12).
- To avoid injury, be careful not to drop the display during installation.
- When installing, be careful not to cut off your fingers with the metal parts of the brackets and mounting base.
- Do not pinch your fingers when attaching the display to the unit.
- Do not install the unit in a position where the unit interferes with driving operations (such as in positions where the shift lever hits the unit, or the hazard button cannot be pressed).
- When using the unit for a long period of time, there may be a possibility that the screws securing the display may come loose. Periodically tighten these screws.
- Do not make any changes or modifications to the unit other than those described in this manual.

#### 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.

#### Note on installing in cars with a start-stop system

The unit may restart when starting the engine from start-stop. In this case, turn off the start-stop system of your car.

**Note on installing in cars with electric parking brake system**

For cars with electric parking brakes, some related functions (such as video blocking function) may not work properly.

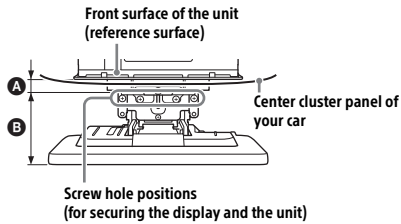
**Mounting angle adjustment**

Adjust the mounting angle to less than 30°.

**Ensuring the mounting location of the unit**

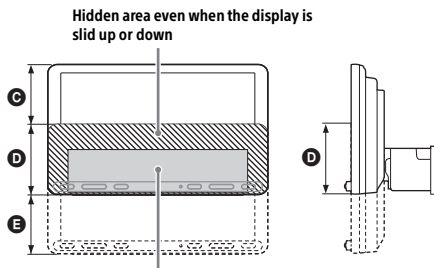
Before installing the unit, consult the installer for details on the installation of the unit and the display.

- Make sure that the distance from the front surface (reference surface) of the mounted unit to the surface of your car's center cluster is within 22 mm (7/8 in). If exceeded, the unit cannot be installed properly.





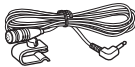






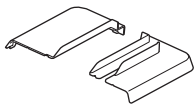
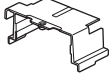


**A** 22 mm (7/8 in) **B** 51 mm to 71 mm (2 1/8 in to 2 7/8 in)

- For your safety, adjust the mounting location of the unit so that it does not interfere with driving operations such as button (switch) or shift lever operations.



**C** 60 mm (2 3/8 in) **D** 76 mm (3 in) **E** 60 mm (2 3/8 in)

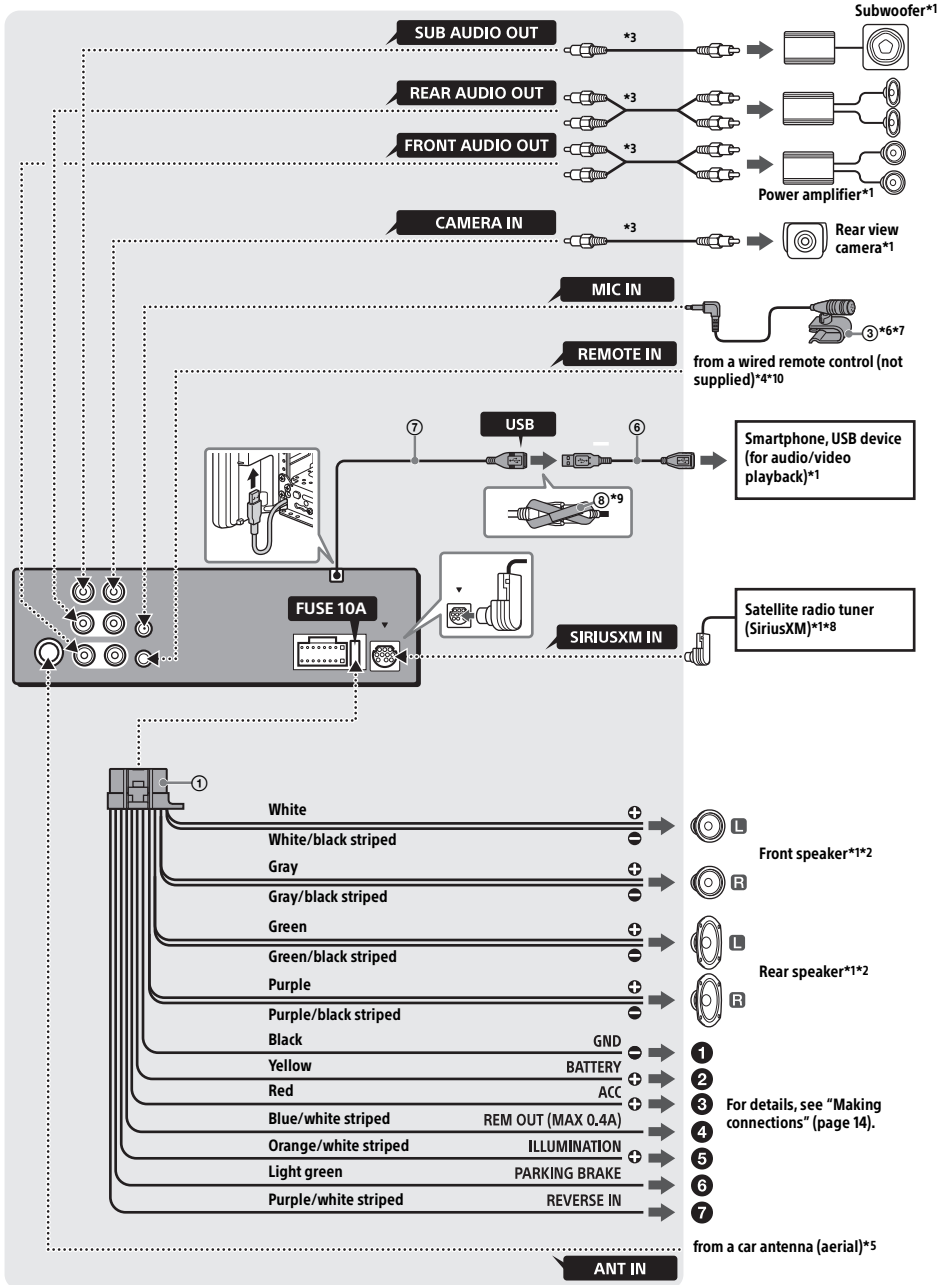
**Parts List for Installation**

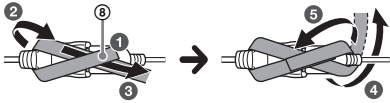
- |   |   |
|---|---|
| ① Power supply leads (1)  | ② Mounting screw (5 × max. 9 mm (7/32 × max. 3/8 in)) (4)                             |
|    |    |
| ③ Microphone (1)  | ④ Flat-mount base (1)   |
|    |    |
| ⑤ Double-sided tape (1)   | ⑥ USB extension cable (long) (1)  |
|    |     |
| ⑦ USB extension cable (short) (1)   | ⑧ Cable tie (1)   |
|    |    |
| ⑨ Connection cable RC-SR1 (1)   | ⑩ Rear panel cover (left/right) (2)   |
|  |   |
| ⑪ Joint cover (1)   | ⑫ Fixing screw (for the joint cover) (3 × 8 mm (1/8 × 11/32 in)) (1)                  |
|  |  |
| ⑬ Fixing screw (for the joint part) (4 × 6 mm (3/16 × 1/4 in)) (4)                  |   |
|   |    |

This parts list does not include all the package contents.

## Connection

- To prevent short circuits, insulate leads with a cover or tape.
- Note that the unit may be damaged if it is connected incorrectly or by short circuits at the leads.



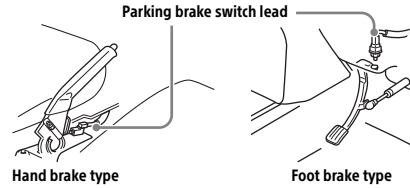
- \*1 Not supplied
- \*2 Speaker impedance:  $4\ \Omega$  to  $8\ \Omega \times 4$
- \*3 RCA pin cord (not supplied)
- \*4 Depending on the type of car, use an adaptor for a wired remote control (not supplied).  
 For details on using the wired remote control, see "Using the wired remote control" (page 15).
- \*5 Depending on the type of car, use an adaptor (not supplied) if the antenna (aerial) connector does not fit.
- \*6 Whether in use or not, route the microphone input cord so it does not interfere with driving operations. Secure the cord with a clamp, etc., if it is installed around your feet.
- \*7 For details on installing the microphone, see "Installing the microphone" (page 14).
- \*8 For more information on how to install the SiriusXM Connect Vehicle Tuner, consult the installation guide included with the tuner.
- \*9 
- \*10 When using the steering wheel remote control, use the connection cable RC-SR1 ⑨ as necessary.

## Making connections

- 1 To a common ground (earth) point**  
 First connect the black ground (earth) lead then connect the yellow and red power supply leads.
- 2 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.
- 3 To the +12 V power terminal which is energized when the ignition switch is set to the accessory position**  
 Be sure to first connect the black ground (earth) lead to a common ground (earth) point.
- 4 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.  
**Note**  
 It will take about 10 seconds to shut down the output of REM OUT after the unit is turned off.
- 5 To a car's illumination signal**  
 Be sure to first connect the black ground (earth) lead to a common ground (earth) point.

## 6 To the parking brake switch lead

The mounting position of the parking brake switch lead depends on your car. Be sure to connect the parking brake lead (light green) of the power supply leads ① to the parking brake switch lead.



## 7 To the +12 V power terminal of the car's rear lamp lead (only when connecting the rear view camera)

## Memory hold connection

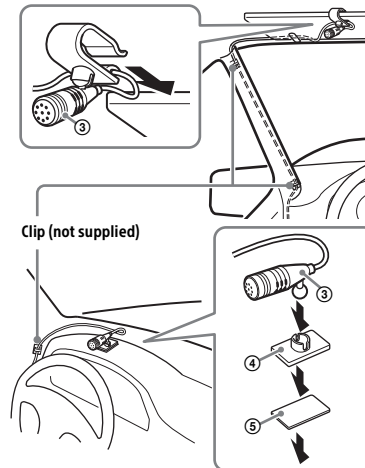
When the yellow power supply lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

## Speaker connection

- Before connecting the speakers, turn the unit off.
- Use speakers with an impedance of  $4\ \Omega$  to  $8\ \Omega$ , and with adequate power handling capacities to avoid damage.

## Installing the microphone

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



### 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 are in your car, contact the store where you purchased this unit or the car dealer before installation.

### Notes

- When mounting on the dashboard, remove the visor clip carefully from the microphone ③, then attach the flat-mount base ④ to the microphone ③.
- Before attaching the double-sided tape ⑤, 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 ⑨ is required before use.

- 1 To enable the steering wheel remote control, select [General] → [Steering Control] → [Custom] → to make the registration.

When the registration is complete, the steering wheel remote control becomes available.

### Notes on installing the connection cable RC-SR1 ⑨

- Refer to the support site on the back cover for details then connect each lead properly to the appropriate leads. Making an improper connection may damage the unit.
- 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 [Steering Control] in [General] to [Preset].

## Using the rear view camera

Installation of the rear view camera (not supplied) is required before use.

The picture from a rear view camera connected to the CAMERA IN terminal is displayed when:

- the back lamp of your car lights up (or the shift lever is set to the R (reverse) position).
- you press HOME, then touch [Rear Camera].

## Installation

To install the unit and the display securely, be sure to follow the steps ① to ⑦ in order.

- ① Before mounting the unit (page 15)
- ② Mounting the unit in the dashboard (page 16)
- ③ Attaching the joint cover (page 16)
- ④ Setting up the display (page 16)
- ⑤ Making sure the mounting positions of the display (page 18)
- ⑥ Organizing the USB cable (page 18)
- ⑦ Attaching the display to the unit (page 18)

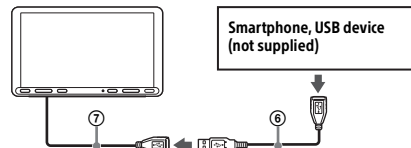
### For your safety

After mounting the display to the unit, make sure that the display does not interfere with normal driving operations such as blocking the driver's view or getting the cables tangled.

## ① Before mounting the unit

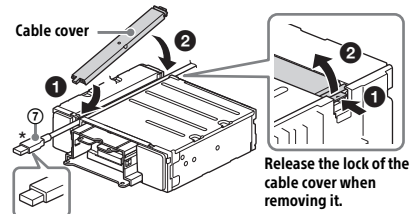
Before mounting the unit in the dashboard, arrange the USB extension cables.

### USB cable connection diagram



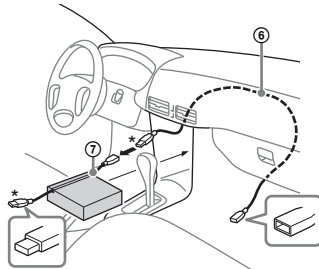
- 1 Remove the cable cover, store the USB extension cable (short) ⑦ to the groove of the unit, then attach the cable cover.

Position the USB cable so that its connector (male) comes to the front side of the unit.



\* USB connector (male)

- 2** Route the USB extension cable (long) ⑥ inside the dashboard, then connect the USB cable (short) ⑦ from the unit. Position the USB cable so that its connector (male) comes out from the center console panel.



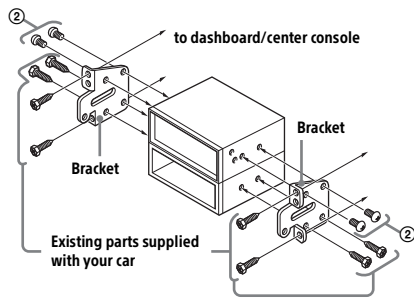
\* USB connector (male)

## 2 Mounting the unit in the dashboard

### Using the mounting brackets supplied with your car

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

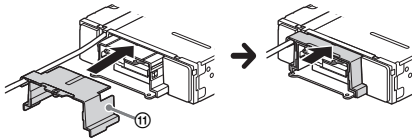
#### Example



**Note**  
To prevent malfunction, install only with the mounting screws ②.

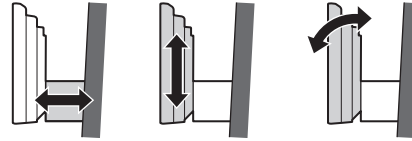
## 3 Attaching the joint cover

- 1** Attach the joint cover ⑪ to the mounting base of the unit, then slide it into the unit temporarily.



## 4 Setting up the display

The mounting positions of the display can be adjusted.



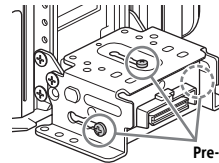
**Depth**  
(within 20 mm (13/16 in), in 3 steps)

**Height**  
(within 60 mm (2 3/8 in), in 7 steps)

**Angle**  
(-10° to +10°, in 3 steps)

### Adjusting the depth of the display position

- 1** Loosen the 3 pre-installed screws for depth adjustment (on top and both sides).

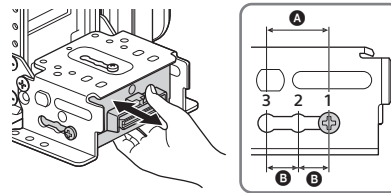


Pre-installed screws

Slightly loosen the screws until you can slide the connector bracket. Do not remove the screws from the bracket. Doing so may damage the parts.

- 2** Slide the connector bracket to decide the appropriate depth position.

Adjustable depth: within 20 mm (13/16 in) (A), in 3 steps, in 10 mm (13/32 in) pitch (B).

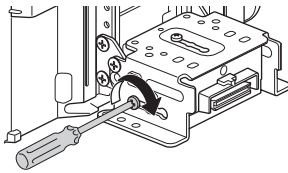


Bracket positions 1 to 3 for the display:

- 1: Slide-out position  
 2: Intermediate position  
 3: Slide-in position



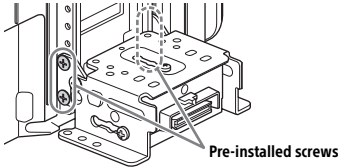
- 3** At the desired position, tighten the 3 screws firmly to secure the connector bracket.



Tighten the screws firmly.  
 When you tighten a screw, be careful not to apply too much torque as doing so may damage the screw (the torque value should be less than 1.5 N•m).

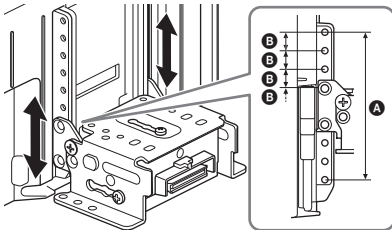
### Adjusting the height of the display position

- 1** Remove the 4 pre-installed screws for height adjustment (on both sides).

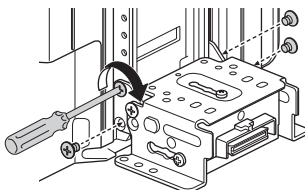


- 2** Slide the connector bracket up or down to decide the appropriate height position.

Adjustable height: within 60 mm (2 3/8 in) (A), in 7 steps, in 10 mm (13/32 in) pitch (B).



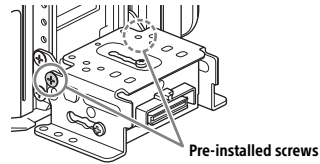
- 3** At the desired position, tighten the 4 screws firmly to secure the connector bracket.



Tighten the screws firmly.  
 When you tighten a screw, be careful not to apply too much torque as doing so may damage the screw (the torque value should be less than 1.5 N•m).

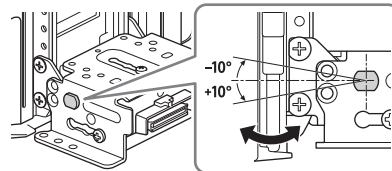
### Adjusting the display angle (tilt)

- 1** Remove the 2 pre-installed screws for angle adjustment (on both sides).

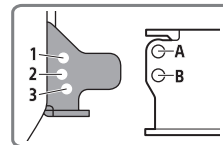
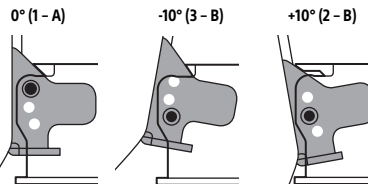


- 2** Adjust the display angle to decide the appropriate angle.

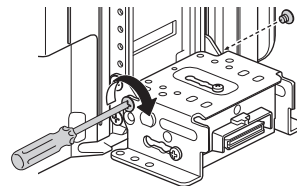
Adjustable angle: -10° to +10°, in 3 steps



Screw holes to use:



- 3** At the desired angle, tighten the 2 screws through the screw holes (upper or lower) that match the display angle.

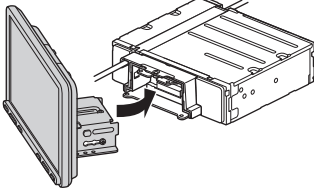


Tighten the screws firmly.  
 When you tighten a screw, be careful not to apply too much torque as doing so may damage the screw (the torque value should be less than 1.5 N•m).

## 5 Making sure the mounting positions of the display

Be careful not to pinch your fingers or scratch the center cluster panel of your car when attaching the display to the unit.

### 1 Attach the display to the unit temporarily.

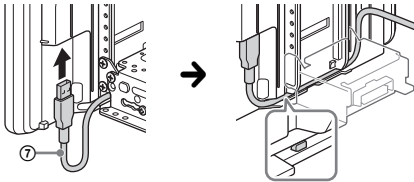


### 2 Confirm that the display does not block the driver's view or interfere with normal driving operations.

If further adjustment of the mounting position (depth, height, angle) is necessary, remove the display from the unit, then adjust it again accordingly.

## 6 Organizing the USB cable

### 1 Connect the USB extension cable (short) ⑦ to the USB port of the display, then route the cable along the groove.

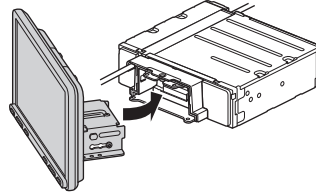


To prevent the extension cable from coming off, be sure to route the USB cable along the groove through the catches inside.

## 7 Attaching the display to the unit

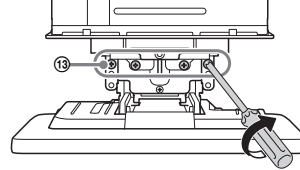
Be careful not to pinch your fingers or scratch the center cluster panel of your car when attaching the display to the unit.

### 1 Attach the display to the unit.



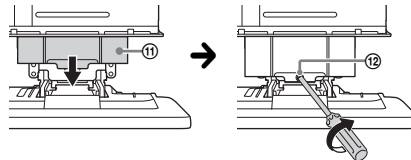
Make sure that the connector brackets of the display is fully inserted to the unit.

### 2 Tighten 4 screws ⑬ (on top) to secure the connector bracket to the unit.



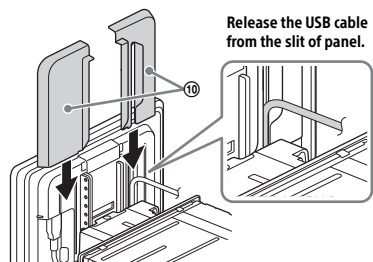
Tighten the screws firmly. When you tighten a screw, be careful not to apply too much torque as doing so may damage the screw (the torque value should be less than 1.5 N•m).

### 3 Slide the joint cover ⑪ out to protect the mounting base of the display, then tighten the fixing screw ⑫ to secure the cover.



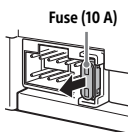
Tighten the screw firmly. When you tighten a screw, be careful not to apply too much torque as doing so may damage the screw (the torque value should be less than 1.5 N•m).

- 4** Attach the rear panel covers (L, R) ⑩ along the guides for protection.



### 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.



### 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:

<https://www.sony.com/am/support>

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

- 1 **Read Troubleshooting in Help Guide (online manual).**
- 2 **Please contact (U.S.A. only);**  
Call **1-800-222-7669**  
URL **<https://www.SONY.com>**

### Help Guide (online manual)

For more details, please visit the following web site and refer to your unit name as shown below.

### Guide d'aide (manuel en ligne)

Pour plus de détails, veuillez visiter le site Web suivant et vous reporter au nom de votre appareil comme indiqué ci-dessous.

### Guía de ayuda (manual en línea)

Para obtener más información, visite el siguiente sitio web y utilice el nombre de su unidad como se muestra a continuación.



XAV-AX8100(UC)

[https://rd1.sony.net/help/ev/xav-ax81/h\\_zz/](https://rd1.sony.net/help/ev/xav-ax81/h_zz/)

