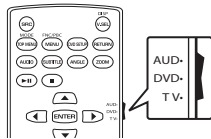## Remote Controller

- If the Remote Controller operates only over shorter distances or does not operate at all, it is possible that the batteries are depleted. In such instances, replace both batteries with new ones.
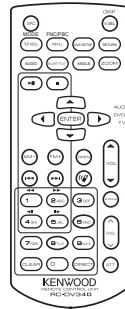
■ Remote Controller mode switch

The functions operated from the remote controller differ depending on the position of the mode switch.

- **AUD mode**: Switch to this mode when controlling a selected source or tuner source, etc.
- **DVD mode**: Not used.
- **TV mode**: Not used.

Basic operations for KCA-RCDV340

■ Common operations

SRC	• Selects the source. • Hangs up the incoming/current call.
VOL ▲/▼	Adjusts the volume level.
ATT	Attenuates/restores the sound.
☏	Answers incoming calls.
FNC/PBC/MENU	Switches the control screen of source.
MODE/ TOP MENU	Changes the aspect ratio. • The aspect ratio changes each time you press this key.
V.SEL	Not used for this unit.

ENTER	Not used for this unit.
DVDSETUP	Not used for this unit.
RETURN	Not used for this unit.
AUDIO	Not used for this unit.
SUBTITLE	Not used for this unit.
ANGLE	Not used for this unit.
ZOOM	Not used for this unit.
OPEN	Not used for this unit.
2 ZONE	Not used for this unit.
R.VOL ∧∨	Not used for this unit.
CLEAR	Not used for this unit.

■ Audio file/Video file/Picture file

FM+ / AM−	Selects a folder.
I◄◄ / ►►I	Selects a file.
►II	Starts/pauses playback.

■ HD Radio*1/Radio*2/SiriusXM

FM+ / AM−	Selects the band.
I◄◄ / ►►I	Searches for stations/channels.*3
►II	Switches the seek mode.

Remote Controller

0 – 9	• Specifies preset number. (**1-5**) • Specifies the frequency of the station to receive to search for in direct search.
DIRECT	Enters direct search mode.

*1   Only for DMX809S.
*2   Only for DMX8709S.
*3   The search method differs according to the selected seek mode.

▨ USB

FM+ / AM−	Selects a folder.
◄◄ / ►►|	Selects a file.
►II	Starts/pauses playback.

▨ Searching for station frequency/channel number directly

While listening to the radio, you can search for a channel or station frequency directly using the number buttons.

1   Press DIRECT to enter the search mode.

2   Press a number button to select a desired item (channel or station frequency).
   • To confirm the selection, press ◄◄ / ►►|.

To exit the search mode: Press **DIRECT**.

Installation and Connection

This section is for the professional installer.
For safety's sake, leave wiring and mounting to professionals. Consult the car audio dealer.

⚠ WARNINGS

• DO NOT connect the ignition wire (red) and the battery wire (yellow) to the car chassis (ground), you may cause a short circuit, that in turn may start a fire.
• DO NOT cut out the fuse from the ignition wire (red) and the battery wire (yellow). The power supply must be connected to the wires via the fuse.
• Always connect the ignition wire (red) and the battery wire (yellow) to the power source running through the fuse box.

⚠ CAUTIONS

• Install this unit in the console of your car.
• Do not touch the metal parts of this unit during and shortly after the use of the unit. Metal parts such as the heat sink and enclosure become hot.
• When parking at a low ceiling area, turn off the unit to store the antenna. As when the unit is installed in the car with the function of auto antenna; the radio antenna extends automatically when you turn on the unit with the antenna control wire (ANT. CONT) connected (page 59).

Before installation

▨ Precautions on installation and connection

• Mounting and wiring this product requires skills and experience. For best safety, leave the mounting and wiring work to professionals.
• Mount the unit so that the mounting angle is 30° or less.
• Make sure to ground the unit to a negative 12 V DC power supply.
• Do not install the unit in a location exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
• Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.
• After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
• Do not press hard on the panel surface when installing the unit to the car. Otherwise scratches, damage, or failure may result.
• If the power is not turned on ("Miswiring DC Offset Error", "Warning DC Offset Error" is displayed), the speaker wire may have a short circuit or have touched the chassis of the car and the protection function may have been activated. In this case, the speaker wire should be checked.
• Keep all cables away from heat dissipating metal parts.

Installation and Connection

- If your car's ignition does not have an ACC position, connect the ignition wires to a power source that can be turned on and off with the ignition key. If you connect the ignition wire to a power source with a constant voltage supply, such as with battery wires, the battery may be drained.
- If the fuse blows, first make sure the wires are not touching to cause a short circuit, then replace the old fuse with one with the same rating.
- Insulate unconnected wires with vinyl tape or other similar material. To prevent a short circuit, do not remove the caps and do not let the cable out at the ends of the unconnected wires or the terminals.
- Secure the wires with cable clamps and wrap vinyl tape around the wires that comes into contact with metal parts to protect the wires and to prevent short circuit.
- Connect the speaker wires correctly to the terminals to which they correspond. The unit may be damaged or fail to work if you share the ⊖ wires or ground them to any metal part in the car.
- When only two speakers are being connected to the system, connect both connectors either to the front output terminals or to the rear output terminals (do not mix front and rear). For example, if you connect the ⊕ connector of the left speaker to a front output terminal, do not connect the ⊖ connector to a rear output terminal.

◼ Parts list for installation

Note: This parts list does not include all the package contents.

1 Wiring harness (× 1)
2 Extension wire, 2 m (× 1)
3 Flat head screws, M5 × 8 mm (× 6)
4 Round head screws, M5 x 8 mm (× 6)
5 Microphone, 3 m (× 1)
6 Trim plate (× 1)
7 Mounting sleeve (× 1)
8 Extraction keys (× 2)
9 GPS antenna, 3.5 m (× 1)
10 Metal plate (× 1)

◼ Installation procedure

1 **Remove the key from the ignition and disconnect the ⊖ battery.**

2 **Make the proper input and output wire connections for each unit.**

3 **Connect the speaker wires of the wiring harness.**

4 **Connect the wires of the wiring harness in the following order: ground, battery, ignition.**

5 **Connect the wiring harness to the unit.**

6 **Install the unit in your car.**
Make sure that the unit is installed securely in place. If the unit is unstable, it may malfunction (eg., the sound may skip).

7 **Reconnect the ⊖ battery.**

8 **Initialize the unit (page 51).**

9 **Configure <Initial Setup> (page 4).**

Installation and Connection
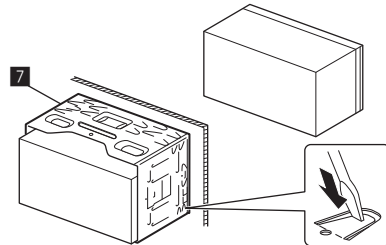
Installing the unit

Installing the unit using the mounting bracket removed from the car
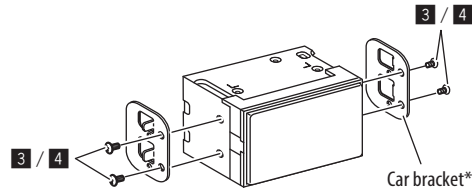
Car bracket*

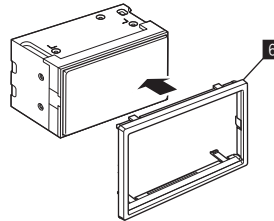**Note:** Select the appropriate screws (supplied) for the mounting bracket.
* Shape of your car brackets may differ.

Installing the unit using the mounting sleeve

Bend the tabs of the mounting sleeve with a screwdriver or similar utensil and attach it in place.

Installing the trim plate

Removing the unit

1 Remove the trim plate (⑥) by inserting the two extraction keys (⑧) as illustrated.

Lock Catch
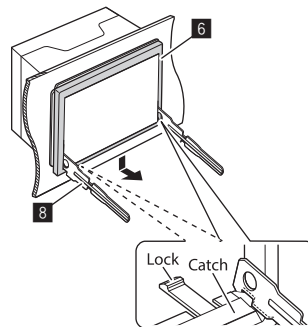
2 When the lower level is removed, remove from the upper two catches of the trim plate (⑥).

The frame can be removed from the top side in the same manner.

3 Insert the extraction keys (⑧) deeply into the slots on each side.

Installation and Connection

4 **Lower the extraction keys (8) toward the bottom, and pull out the unit halfway while pressing towards the inside.**

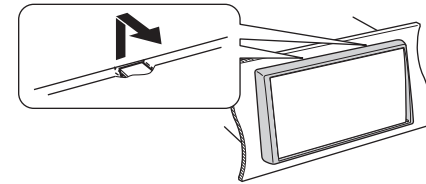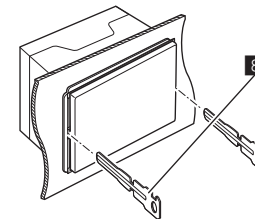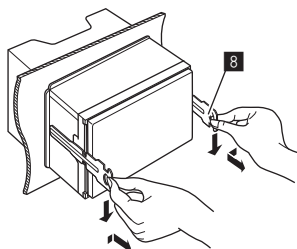Be careful to avoid injury from the catch pins on the extraction key.

5 **Pull the unit all the way out with your hands, being careful not to drop it.**

Installing the supplied GPS antenna

GPS antenna is installed inside of the car. It should be installed as horizontally as possible to allow easy reception of the GPS satellite signals.

1 **Clean your dashboard or other surface.**

2 **Remove the separator of the metal plate (10).**

3 **Press the metal plate (10) down firmly on your dashboard or other mounting surface.**
You can bend the metal plate (10) to conform to a curved surface, if necessary.

4 **Remove the separator of the GPS antenna (9), and stick the antenna to the metal plate (10).**
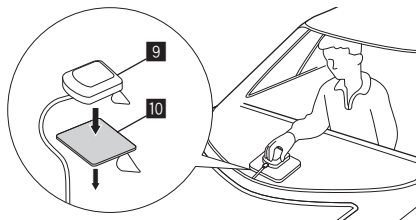
Notes on using the supplied GPS antenna (9)

• Use the supplied GPS antenna (9). Using the GPS antenna other than the supplied one may cause a drop in positioning accuracy.
• Depending on the type of car, reception of the GPS satellite signals might not be possible with an inside installation.
• Please install the supplied GPS antenna (9) in an area away from any antennas that are used with CB radios or satellite televisions.
• The supplied GPS antenna (9) should be installed at a position that is spaced at least 30 cm (12 inch) from cellular phone or other transmitting antenna. Signals from the GPS satellite may be interfered with by these types of communication.
• Painting the supplied GPS antenna (9) with (metallic) paint may cause a drop in performance.

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Installation and Connection

Connecting external components
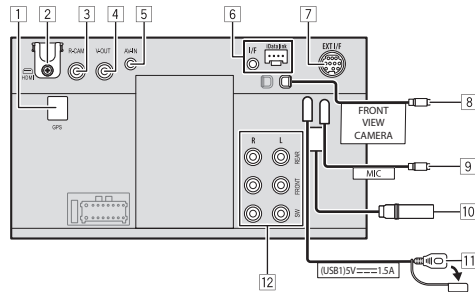
1. GPS antenna input (GPS) (page 57)
2. HDMI terminal
3. Rear view camera input (R-CAM)
4. Video output (V-OUT)
5. Audio video input (AV-IN)
6. iDatalink input for connecting an ADS adapter (commercially available)
7. Expansion port for connecting SiriusXM Connect Vehicle Tuner (EXT I/F) (commercially available)
8. Front view camera input
9. Microphone input (MIC) (page 59)
10. Antenna terminal
11. USB terminal
12. Output terminals*
    - Left output (White)
    - Right output (Red)

    REAR: Rear speaker preouts
    FRONT: Front speaker preouts
    SW: Subwoofer preouts

    For 3-way crossover:
    REAR: Tweeter preouts
    FRONT: Mid range speaker preouts
    SW: Subwoofer preouts

* When connecting an external amplifier, connect its ground wire to the chassis of the car; otherwise the unit may be damaged.

2. Use HDMI cable KCA-HD200 (optional accessory).

W: 11.1 mm or less
H: 7.7 mm or less
D: 21.5 mm or less
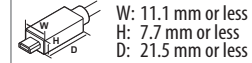
When you connect the cable to HDMI terminal, detach the fixture. After connecting the cable, attach the fixture back using the screw.

HDMI cable

Fixture
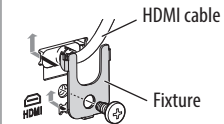
5. Connect the following type of 4-pole mini plug:
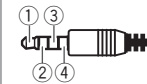
1. Left audio
2. Right audio
3. Ground
4. Composite video

7.

Antenna

EXT I/F

SiriusXM Connect Vehicle Tuner
(Commercially available)
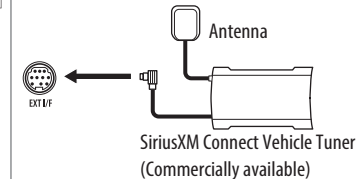
Installation and Connection

Wiring connection

Connect to the video out terminal of the front camera

FRONT VIEW CAMERA

MIC

5

Connect the antenna cord to the antenna terminal

USB terminal (1 m)

(USB1)5V ⎓1.5A

Connect a USB device

Purple with white stripe

REVERSE

To the car's reverse lamp harness when using the optional rear view camera

Light green

PRK SW

To the car's parking brake detection switch harness
(For best safety, be sure to connect the parking sensor.)

Extension wire (**2**)

White ⊕ / White with black stripe ⊖

To front speakers (left) / Mid-range speakers (left) for 3-way crossover

Gray ⊕ / Gray with black stripe ⊖

To front speakers (right) / Mid-range speakers (right) for 3-way crossover

Green ⊕ / Green with black stripe ⊖

To rear speakers (left) / Tweeters (left) for 3-way crossover

Purple ⊕ / Purple with black stripe ⊖

To rear speakers (right) / Tweeters (right) for 3-way crossover

Brown

(Not used for this unit)

MUTE

Orange with white stripe

ILLUMI

To the car light control switch

Light blue with yellow stripe

STEERING WHEEL REMOTO INPUT
REMOTE CONT

To the steering wheel remote control adapter (not supplied)

Blue with white stripe (12 V ⎓ 350 mA)

ANT.CONT
P.CONT

To the power control terminal when using the optional power amplifier (Or)
To the control terminal of the motor antenna or to the power terminal for the booster amplifier of film-type antenna

Red (Ignition wire)

Yellow (Battery wire)

Ignition key switch   Car fuse

Black (Ground wire)

To the car chassis   Car battery

10 A fuse   **1**

References

Maintenance

Cleaning the unit
- Do not use any solvent (for example, thinner, benzine, etc.), detergent, or insecticide. This may damage the monitor or the unit.
- Gently wipe the panel with a soft, dry cloth.

More information

■ About USB playback

Important
Make sure all important data has been backed up to avoid losing the data. We bear no responsibility for any loss of data stored in the devices while using this unit.

Notes on using a USB device
- Avoid using the USB device if it might affect driving safety.
- When connecting with a USB cable, use a USB 2.0 cable.
- Electrostatic shock at connecting a USB device may cause abnormal playback of the device. In this case, disconnect the USB device, and turn off then on this unit.
- Do not pull out and connect the USB device repeatedly while "Reading" is shown on the screen.
- Operation and power supply may not work as intended for some USB devices.
- Do not leave a USB device in the car, or expose to direct sunlight or high temperatures to prevent deformation or damage to the device.

Playable files
- This unit can play back the following files with following codec and extension code:
  - **Audio files**: MP3 (.mp3), WMA (.wma), WAV (.wav), AAC (.m4a), FLAC (.flac)
  - **Picture files**: JPEG (.jpg, .jpeg)/PNG (.png)/BMP (.bmp)
  - **Video files**: MPEG1, 2 (.mpg, .mpeg)/MPEG4 (.mp4)/H.264 (.h264)/MWV (.mwv)/MKV (.mkv)

Audio file conditions
- This unit can play back files that meet the conditions below:
  - Bit rate:
    MP3:   MPEG1 Audio Layer 3: 32 kbps – 448 kbps
           MPEG2 Audio LSF Layer: 32 kbps – 384 kbps
    WMA: Up to 320 kbps
    AAC: Max 288 kbps per channel/48 kHz
  - Bit number:
    WAV: 4 bits – 32 bits
    FLAC: 4 bits – 32 bits
  - Sampling frequency:
    MP3:   MPEG1 Audio Layer 3: 32 kHz – 48 kHz
           MPEG2 Audio LSF Layer: 16 kHz – 24 kHz
    WMA: 8 kHz – 48 kHz
    AAC: 8 kHz – 96 kHz
    WAV: 44.1 kHz – 192 kHz
    FLAC: 8 kHz – 192 kHz
  - Files recorded in VBR (variable bit rate), and have a discrepancy in elapsed time indication.

- This unit can show or display the following Tag:
  MP3: ID3 Tag (version 1.0/1.1/2.2/2.3/2.4)
  WMA Tag
  WAV Tag
  AAC Tag
  FLAC Tag
  - Jacket picture (artwork):
    Picture size: 32 × 32 to 1 232 × 672 resolution
    Data size: less than 500 KB
    File type: JPEG, PNG, BMP
- This unit cannot play back the following files:
  - MP3 files encoded with MP3i and MP3 PRO format.
  - MP3 files encoded with Layer 1/2.
  - WMA files encoded with lossless, professional, and voice format.
  - WMA files which are not based upon Windows Media® Audio.
  - WMA/AAC files copy-protected with DRM

References

Video file conditions

- Streams that conform to:
  - MPEG1/MPEG2:
    Audio: MP1, MP2, MP3, AAC-LC, AC3, LPCM
    Video: MPEG1, MPEG2
  - MPEG4:
    Audio: MP3, AAC
    Video: MPEG4
  - H.264:
    Audio: MP3, AAC
    Video: H.264
  - MKV:
    Audio: MP3, AC3, LPCM, AAC-LC/HE, AAC, Cook
    Video: H.264, MPEG-4 AVC, MPEG4, WMV
  - WMV:
    Audio: WMA
    Video: Windows Media Video 9
- Maximum bit rate:
  - MPEG1: Max 4 Mbps
  - MPEG4/H.264/WMV: Max 8 Mbps
- Picture size
  - MPEG1: 176 x 144 , 352 x 240 , 720 x 480 (30fps)
  - MPEG2: 176 x 144, 352 x 288, 320 x 240, 720 x 480, 720 x 576, 1 440 x 1 080, 1 280 x 720, 1 920 x 1 080
  - H.264: 1 920 x 1 080 (30fps)
  - WMV: 1 280 x 720 (60fps), 1 920 x 1 080 (30fps)
  - MPEG4: 1 920 x 1 080 (30fps)

- Other playable conditions:
  - Video file size: Less than 2 GB
  - MPEG1/MPEG2: File format: SP@LL, SP@ML, MP@LL, MP@ML, MP@H-14 , MP@HL, HP@LL, HP@ML, HP@H-14, HP@HL

Folder/file limitations

This unit can recognize:
  - A total of 5 000 files
  - 250 folders each for video files/photo files and a maximum of 999 files per folder
- The maximum number of characters is 260 characters for folder name plus file name (when the characters are 1 byte).

Unplayable USB device

- This unit may not play back files in a USB device properly when using a USB extension cable.
- USB devices equipped with special functions such as data security functions cannot be used with the unit.
- Do not use a USB device with nine or more partitions.
- Depending on the shape of the USB devices and connection ports, some USB devices may not be attached properly or the connection might be loose.
- This unit may not recognize a memory card inserted into a USB card reader.

■ About Apple CarPlay

- The following iPhone devices can be used
  - iPhone 6S, 6S Plus, 7, 7 Plus, 8, 8 Plus, X, XS, XS Max, XR, 11, 11 Pro, 11 Pro Max, SE (1st/2nd generation), 12, 12 mini, 12 Pro, 12 Pro Max, 13, 13 mini, 13 Pro, 13 Pro Max
- The GPS antenna must be connected to use Apple CarPlay wirelessly with Wi-Fi.
- Although the service area is expanding, Apple CarPlay service is NOT available in some markets. Please check the latest information concerning availability in your region from the below website.
  - http://www.apple.com/ios/feature-availability/#applecarplay-applecarplay

■ About Android Auto

- Although the service area is expanding, Android Auto service is NOT available in some markets. Please check the latest information concerning availability in your region from the below website.
  - https://support.google.com/androidauto/

References

About USB Mirroring

- Depending on the connected Android device, you may need to enable virtual keyboard setting on your smartphone to display software keyboard on the screen of this unit and on your Android device.
- The audio may be of poor quality, interrupted or skipped, depending on several conditions such as network condition, the application and etc.
- If you perform pairing with another device during mirroring, mirroring (audio and/or video) will be disturbed or paused.
- Some Apps may not support audio sharing (no sound from the background playback source).
- Some operations may not work depending on the compatibility between this unit, Mirroring OA for KENWOOD App and your Android device.

Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.

- For operations with external components, refer also to the instructions supplied with the adapters used for connection (as well as the instructions supplied with the external components).

General

No sound comes out of the speakers.
→ Adjust the volume to the optimum level.
→ Check the cords and connections.

No picture is displayed on the screen.
→ Turn on the screen (page 4).

The unit does not work at all.
→ Initialize the unit (page 51).

The remote controller does not work.
→ Replace the battery.

"No Signal"/"No Video Signal" appears.
→ Start playback on the external component connected to this unit.
→ Check the cords and connections.
→ Signal input is too weak.

"Miswiring DC Offset Error"/"Warning DC Offset Error" appears.
→ A speaker cord has shorted or it has come into contact with the car chassis. Wire or insulate the speaker cord as appropriate, turn the ignition switch off then on.

"Parking off" appears.
→ No playback picture is shown when the parking brake is not engaged.

Bluetooth connection

The Bluetooth device does not detect this unit.
→ Turn off, then turn on the Bluetooth device.
→ Turn off, then turn on this unit.

This unit does not pair with the Bluetooth device.
→ If the device is connected via USB cable, disconnect it, and retry.
→ Turn off, then turn on the Bluetooth device.

The device is disconnected automatically or the device cannot be connected.
→ When iPhone compatible with Apple CarPlay is connected to the USB terminal, it cannot be connected via Bluetooth. Use the phone and audio player function on the Apple CarPlay screen.
→ When an Android device compatible with Android Auto is connected to the USB terminal, the device is connected via Bluetooth automatically, and the Bluetooth mobile phone currently connected is disconnected.

Troubleshooting

The Bluetooth connection between the Bluetooth device and the unit is unstable.
→ Delete the unused registered Bluetooth device from the unit (page 10).

"Connection Error" appears.
→ The device is registered but the connection has failed. Connect the registered device using the **<Device List>** screen (page 9).

"Please Wait..." appears.
→ The unit is preparing to use the Bluetooth function. If the message does not disappear, turn off and turn on the unit, then connect the device again.

"Initialize Error" appears.
→ The unit has failed to initialize the Bluetooth module. Try the operation again.

Wi-Fi connection

iPhone for Apple CarPlay or Android device for Android Auto cannot be connected wirelessly.
→ You can turn on or off the Wi-Fi function on the **<Wireless SETUP>** settings. To use the Wi-Fi function, select **[Wi-Fi]** (page 51).

Apps

Apple CarPlay:
[Apple CarPlay] is not highlighted on the source/option selection screen.
→ Check the version of the connected iPhone–whether it is compatible with Apple CarPlay.
→ Check the iPhone is connected properly for Apple CarPlay. You can check the connection referring to the **<Device List>** screen.

Sound is too loud or small while using Apple CarPlay.
→ Adjust **<Guidance/Voice Recognition Volume>**, **<Phone Incoming Volume>**, **<Phone Calling/Talking Volume>** or **<Media Volume>** for **<Apple CarPlay>** (page 12).

The Home screen appears while using Apple CarPlay.
→ Wi-Fi is disconnected.

Android Auto:
[Android Auto] is not highlighted on the source/option selection screen.
→ Check whether **[Android Auto]** is selected in the **<Android Mode Select>** (page 50).
→ Check the version of the connected Android device — whether it is compatible with Android Auto.
→ Check the Android device is connected properly for Android Auto. You can check the connection referring to the **<Device List>** screen.

The Home screen appears while using Android Auto.
→ Wi-Fi is disconnected.

Sound is too loud or small while using Android Auto.
→ Adjust **<Guidance/Voice Recognition Volume>**, **<Phone Incoming Volume>**, **<Phone Calling/Talking Volume>** or **<Media Volume>** for **<Android Auto>** (page 12).

Android Auto is deactivated.
→ When you start Apple CarPlay, Android Auto is deactivated.

USB Mirroring:
[USB Mirroring] is not highlighted on the source/option selection screen.
→ Check whether **[Mirroring for Android]** is selected in the **<Android Mode Select>** (page 50).
→ Check the version of the connected Android device–whether it is compatible with USB Mirroring.
→ Check the Android device is connected properly for USB Mirroring. You can check the connection referring to the **<Device List>** screen.
→ Check KENWOOD's Mirroring OA App is activated on Android device.

USB Mirroring is deactivated.
→ When you start Apple CarPlay, USB Mirroring is deactivated.

No sounds from Android device come out of the speakers.
→ Check the Android device is connected properly with Bluetooth.

Troubleshooting

USB

"No File" appears.
→ The loaded USB does not contains any file of the selected type (audio/video/photo). Select the correct file type or replace the USB.

"Reading" does not disappear from the screen.
→ Turn the power off and on again.

While playing a file, sound is sometimes interrupted.
→ The tracks are not properly copied into the USB device. Copy the files again, and try again.

Files are not played back as you have intended them to play.
→ Playback order may differ from the one played back using other players.

The source does not change to [USB] when you connect a USB device while listening to another source or "USB Device Error" appears when you connect a USB device.
→ The USB port is drawing more power than the design limit.
→ Turn the power off and unplug the USB device. Then, turn on the power and reattach the USB device.
→ If the above does not solve the problem, turn the power off and on before replacing with another USB device.

HD Radio (for DMX809S)

Sound quality changes when receiving HD Radio stations.
→ Fix the **<Receive Mode>** setting either **[Digital]** or **[Analog]** (page 23).

No sound can be heard.
→ The **<Receive Mode>** setting is not appropriate. Select the appropriate mode – **[Digital]**, **[Analog]**. or **[Auto]** (page 23).

Radio (for DMX8709S)

AME automatic presetting does not work.
→ Store stations manually (page 26).

Static noise while listening to the radio.
→ Connect the antenna firmly.

HDMI

HDMI device connected to the HDMI terminal cannot be used.
This is normal when **[Wi-Fi]** is selected for the **<Wireless SETUP>** setting (page 51).
Select **[HDMI]** to use the HDMI device.

No picture appears on the screen.
While driving, no video is shown. You can only listen to the sounds.
→ Turn on the HDMI device if it is not on.
→ Connect the HDMI device correctly.

AV-IN

No picture appears on the screen.
While driving, no video is shown. You can only listen to the sounds.
→ Select **[AV-IN]** for **<AV Input>** setting (page 49).
→ Turn on the external component if it is not on.
→ Connect the external component correctly.

Cameras

No picture appears on the screen.
→ Connect the camera correctly.
Picture from the camera connected to the AV-IN terminal is not displayed on the screen.
→ Select **[Camera]** for **<AV Input>** setting (page 49).

SiriusXM Satellite Radio

"SXM No Signal" appears.
→ Make sure the antenna of the SiriusXM Connect Vehicle Tuner is mounted outside the car. Move the car to an area with a clear view of the sky.

"SXM Check Antenna" appears.
→ Check the antenna connection of the SiriusXM Connect Vehicle Tuner, and make sure the antenna is firmly attached to the tuner.
→ Check whether the antenna cable of the SiriusXM Connect Vehicle Tuner is bent or broken. If it is damaged, replace the whole antenna unit.

Troubleshooting

"SXM Check Tuner" appears.
→ Make sure the SiriusXM Connect Vehicle Tuner is connected to the unit.

"SXM Chan Unavailable" appears.
(Appears on the screen for about 5 seconds, then returns to the previous channel):
→ The selected channel is no longer available. Select another channel or continue listening to the previous channel.

"SXM Ch Unsubscribed" appears.
(Appears on the screen for about 5 seconds, then returns to the previous channel)
→ The selected channel is not part of your current subscription plan. Call 1-866-635-2349 (USA) or 1-888-539-7474 (Canada) to subscribe.

"SXM Subscription Updated – Press Return to Continue" appears.
→ Your subscription has been updated. Press the appropriate button to continue.

"SXM Channel Locked" appears.
→ The selected channel has been locked by the parental controls. Enter the parental lock code when you are asked.

"SXM Incorrect Lock Code" appears.
→ You have entered an incorrect lock code. Enter the correct parental lock code.

Bluetooth hands-free phone

Phone is disconnected.
→ When iPhone for Apple CarPlay or Android Auto device is connected, the currently connected Bluetooth device is disconnected. Use Apple CarPlay or Android Auto screen for phone.

Phone sound quality is poor. Echo or noise occurs.
→ Reduce the distance between the unit and the Bluetooth mobile phone.
→ Move the car to a place where you can get a better signal reception.
→ Adjust the sound quality using **<Microphone Level>**, **<Echo Cancel Level>**, **<Noise Reduction Level>** (page 12).

The unit does not respond when you try to copy the phone book to the unit.
→ You may have tried to copy the same entries (as stored) to the unit.

"No Data" appears.
→ No phone book data is contained in the connected Bluetooth phone.

"Dial Error" appears.
→ Dialing has failed. Try the operation again.

"Hung Up Error" appears.
→ The call has not ended yet. Park your car, and use the connected mobile phone to end the call.

"Pick Up Error" appears.
→ The unit has failed to receive a call.

Bluetooth audio

Bluetooth audio played is disconnected.
→ When iPhone for Apple CarPlay or Android Auto device is connected, the currently connected Bluetooth device is disconnected.

The sound is interrupted or skipped while using a Bluetooth audio player.
→ Reduce the distance between the unit and the Bluetooth audio player. Disconnect the device connected for Bluetooth phone if any.
→ Turn off, then turn on the unit.
(When the sound is not yet restored) connect the player again.

The connected audio player cannot be controlled.
→ Check whether the connected audio player supports AVRCP (Audio/Video Remote Control Profile).

Specifications

■ Monitor section

Picture Size (W × H)	6.75 inches (diagonal) wide 151.8 mm × 79.7 mm (6" × 3-1/7")
Display System	TN LCD panel
Drive System	TFT active matrix system
Number of Pixels	1 152 000 (800H × 480V × RGB)
Effective Pixels	99.99%
Pixel Arrangement	RGB striped arrangement
Back Lighting	LED

■ USB I/F section

Connector Type	Type-A
USB Standard	USB 2.0 Full Speed/High Speed
File System	FAT 16/32, exFAT
Maximum Power Supply Current	DC 5 V⎓1.5 A
D/A Converter	24 bit
Audio Decoder	MP3/WMA/AAC/WAV/FLAC
Video Decoder	MPEG1/MPEG2/MPEG4/ WMV/H.264/MKV
Frequency Response	192 kHz Sampling: 20 Hz to 20 000 Hz 96 kHz Sampling: 20 Hz to 20 000 Hz 48 kHz Sampling: 20 Hz to 20 000 Hz 44.1 kHz Sampling: 20 Hz to 20 000 Hz
Total Harmonic Distortion	0.010% (1 kHz)
Signal to Noise Ratio	98.5 dB
Dynamic Range	89 dB

■ Bluetooth section

Technology	Bluetooth V5.0
Frequency	2.402 GHz to 2.480 GHz
Maximum Communication Range	Line of sight approx. 10 m (32.8 ft)
Audio Codec	SBC/AAC
Multi Profile Support	Multi Profile
Profile	HFP (Hands Free Profile) V1.8 SPP (Serial Port Profile) A2DP (Advanced Audio Distribution Profile) V1.3.2 AVRCP (Audio/Video Remote Control Profile) V1.6.2 PBAP (PhoneBook Access Profile)

■ Wi-Fi section

IEEE Standard	802.11 a/b/g/n/ac
Frequency Range	Dual Band (2.4 GHz/5 GHz)
Channels	Auto (1-11ch) Auto (149,153,157,161ch)
Transfer rates (MAX)	11a: 54 Mbps / 11b: 11 Mbps / 11g: 54 Mbps / 11n: 150 Mbps / 11ac: 433 Mbps

Specifications

◼ DSP section

Equalizer
Band
	13 Band
	Frequency (Hz):
	  62.5/100/160/250/400/630/
	  1k/1.6k/2.5k/4k/6.3k/10k/
	  16k
	Gain (dB):
	  −9/−8/−7/−6/−5/−4/−3/−2/
	  −1/0/1/2/3/4/5/6/7/8/9

Tweeter:	Gain (dB): −8/−7/−6/−5/−4/−3/−2/−1/0

HPF:	Frequency (Hz):
	  Through/30/40/50/60/70/
	  80/90/100/120/150/180/
	  220/250
	Slope (dB/Oct.):
	  −6/−12/−18/−24
	Gain (dB):
	  −8/−7/−6/−5/−4/−3/−2/−1/0

LPF:	Frequency (Hz):
	  30/40/50/60/70/80/90/100/
	  120/150/180/220/250/
	  Through
	Slope (dB/Oct.):
	  −6/−12/−18/−24
	Gain (dB):
	  −8/−7/−6/−5/−4/−3/−2/−1/0
	Phase: Normal/Reverse

Tweeter HPF:	Frequency (Hz):
	  1k/1.6k/2.5k/4k/5k/6.3k/8k/
	  10k/12.5k
	Slope (dB/Oct.):
	  −6/−12
	Gain (dB):
	  −8/−7/−6/−5/−4/−3/−2/−1/0
	Phase: Normal/Reverse

Mid Range HPF:	Frequency (Hz):
	  Through/30/40/50/60/70/
	  80/90/100/120/150/180/
	  220/250
	Slope (dB/Oct.):
	  −6/−12

Mid Range LPF:	Frequency (Hz):
	  1k/1.6k/2.5k/4k/5k/6.3k/8k/
	  10k/12.5k/Through
	Slope (dB/Oct.):
	  −6/−12
	Gain (dB):
	  −8/−7/−6/−5/−4/−3/−2/−1/0
	Phase: Normal/Reverse

Subwoofer LPF:	Frequency (Hz):
	  30/40/50/60/70/80/90/100/
	  120/150/180/220/250/
	  Through
	Slope (dB/Oct.):
	  −6/−12
	Gain (dB):
	  −8/−7/−6/−5/−4/−3/−2/−1/0
	Phase: Normal/Reverse

◼ Digital FM radio section (for DMX809S)

Frequency Range (Frequency Step)	87.9 MHz to 107.9 MHz (200 kHz)
Frequency Response (±3.0 dB)	20 Hz to 20 kHz
Signal to Noise Ratio	75 dB (STEREO)

◼ FM radio section

Frequency Range (Frequency Step)	87.9 MHz to 107.9 MHz (200 kHz)
Usable Sensitivity (S/N: 30 dB)	7.2 dBf (0.63 μV/75 Ω)
Quieting Sensitivity (DIN S/N: 46 dB)	15.2 dBf (1.58 μV/75 Ω)
Frequency Response (±3.0 dB)	30 Hz to 15 kHz
Signal to Noise Ratio	68 dB (MONO)
Selectivity (±400 kHz)	> 80 dB
Stereo Separation	40 dB (1 kHz)

◼ Digital AM radio section (for DMX809S)

Frequency Range (Frequency Step)	530 kHz to 1 700 kHz (10 kHz)
Frequency Response (±3.0 dB)	40 Hz to 15 kHz
Signal to Noise Ratio	70 dB (STEREO)

Specifications

■ AM radio section

Frequency Range (Frequency Step)	530 kHz to 1 700 kHz (10 kHz)
Usable Sensitivity	29 dBμ (28.2 μV)

■ Video section

Color System of External Video Input	NTSC/PAL
External Video Input Level (RCA jack)/ (mini jack)	1 Vp-p/75 Ω 1 Vp-p/75 Ω
External Audio Max Input Level (mini jack)	2 V/25 kΩ
Video Input Level (RCA jack)	1 Vp-p/75 Ω
Video Output Level (RCA jack)	1 Vp-p/75 Ω

■ Audio section

Maximum Power Output (Front & Rear)	50 W × 4
Typical Power Output (Front & Rear)	Full Bandwidth Power (at less than 1% THD) 22 W × 4
Output Frequency Band	20 Hz to 88 000 Hz
Preout Level	DMX809S: 5V/10 kΩ DMX8709S: 4V/10 kΩ
Preout Impedance	≤ 600 Ω
Speaker Impedance	4 Ω to 8 Ω

■ HDMI I/F section

Connector Type	Type-D
Input Resolution	VGA (640 x 480p @ 59.94 Hz/60 Hz) 480p (720 x 480p @ 59.94 Hz/60 Hz)
Input Audio Type	32 kHz/44.1 kHz/48 kHz/ 88.2 kHz/96 kHz/176.2 kHz/ 192 kHz 16 bit/20 bit/24 bit Linear PCM

■ General

Operating Voltage	12 V DC car battery
Installation Dimensions (W × H × D)	Main unit: 180 mm × 100 mm × 75 mm (7-1/16" × 3-15/16" × 2-15/16") With sleeve: 182 mm × 111 mm × 74 mm (7-3/16" × 4-3/8" × 2-15/16")
Weight (Main Unit)	1.2 kg (2.7 lbs) (including trim plate and sleeve)

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