

Other External Components

View Camera

NOTE

- To connect a camera, see .
- To use a rear view camera, a REVERSE lead connection is required.
- The rear view screen is displayed when you shift the gear to the reverse (R) position.

Display the camera screen

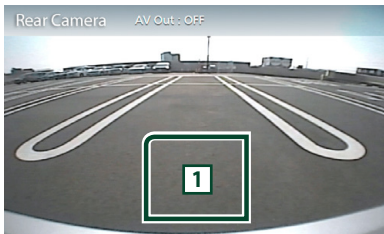
- 1 Press the **MENU** button.
➤ MENU screen appears.

- 2 Touch  .



- View camera screen appears.


- 3 Adjust each item as follows.

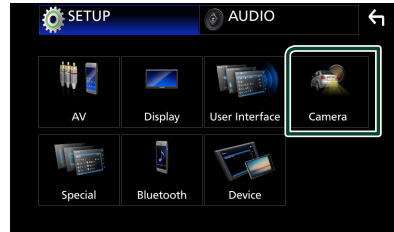


1 Camera off

Touch to exit the camera screen.

Camera Setup

- 1 Press the **MENU** button.
➤ MENU screen appears.
- 2 Touch  .
➤ SETUP Menu screen appears.
- 3 Touch **Camera** .



- Camera screen appears.

- 4 Set each item as follows.

■ Parking Guidelines

You can display parking guidelines to enable easier parking when you shift the gear to the reverse (R) position.
Default is "ON".

■ Guidelines SETUP


If you select **ON** for **Parking Guidelines**, adjust the parking guidelines. See **To adjust the parking guidelines (P.36)**.

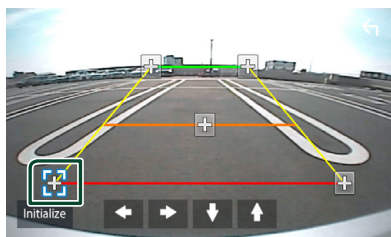
Other External Components

To adjust the parking guidelines

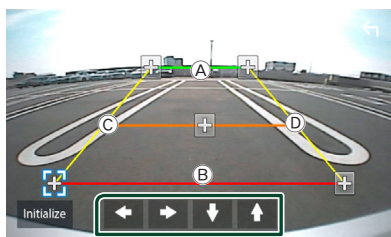
NOTE

- Install the rear view camera in the appropriate position according to the instructions supplied with the rear view camera.
- When adjusting the parking guidelines, make sure to use the parking brake to prevent the car from moving.

- 1 Touch **ON** of **Parking Guidelines** in the Camera screen.
- 2 Touch **Guidelines SETUP** in the Camera screen.
- 3 Adjust the parking guidelines by selecting the  mark.




- 4 Adjusting the position of the selected mark.



Make sure that (A) and (B) are horizontally parallel, and that (C) and (D) are the same length.

NOTE

- Touch **Initialize** and after touch **Yes** to set all the  marks to the initial default position.


External audio/video players—AV-IN

- 1 Connect an external component to the AV-IN input terminal.
- 2 Select **AV-IN** as the source.
- 3 Turn on the connected component and start playing the source.

Setting Up

Monitor Screen Setup

You can adjust image quality in video screen.

- 1 Press the **MENU** button.
 > MENU screen appears.
- 2 Touch  .



> Screen Control screen appears.

- 3 Adjust each item as follows.



■ **Contrast / Brightness / Colour / Tint**
 Adjusts each item.


NOTE

- Adjusting items are different depending on the current source.

System Setup

NOTE


- Each operation in this section can be started from the multi function menu.

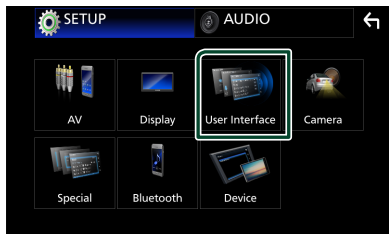
- 1 Press the **MENU** button.
 > MENU screen appears.
- 2 Touch .



User Interface Setup

You can setup user interface parameters.

- 1 Press the **MENU** button.
➤ MENU screen appears.
- 2 Touch .
➤ SETUP screen appears.
- 3 Touch **User Interface**.



➤ User Interface screen appears.

4 Set each item as follows.

■ Beep

Turns the key touch tone on or off.
Default is "OFF".

■ Language

Selects a language.

■ Steering Remote Controller


Sets the desired function in the steering remote controller. (Contact your KENWOOD dealer for details.)

■ Clock Adjust

Adjust the date and time manually. (P.7)

Special Setup

You can setup Special parameters.

- 1 Press the **MENU** button.
➤ MENU screen appears.
- 2 Touch .
➤ SETUP screen appears.
- 3 Touch **Special**.



➤ Special screen appears.

4 Set each item as follows.

■ DEMO

Set the demonstration mode. Default is "ON".

■ Software Information

Check the software version of this unit.
(P.34)

■ Open Source Licenses

Displays the open source licenses.

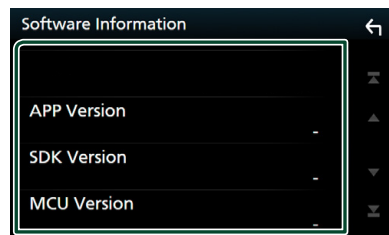
■ Initialize

Touch **Initialize** and then touch **Yes** to set all the settings to the initial default settings.


Software Information

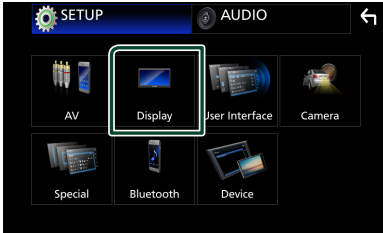
Check the software version of this unit.

- 1 Touch **Software Information** in the Special screen.
- 2 Confirm the software version.



Display Setup

- 1 Press the **MENU** button.
➤ MENU screen appears.
- 2 Touch .
➤ SETUP screen appears.
- 3 Touch **Display**.



➤ Display screen appears.

4 Set each item as follows.

■ Dimmer

Select dimmer mode.

OFF: The display and buttons do not dim.

ON: The display and buttons dim.

SYNC (Default): Turns the dimmer function on or off when the vehicle light control switch is turned on or off.

■ Screen Adjustment

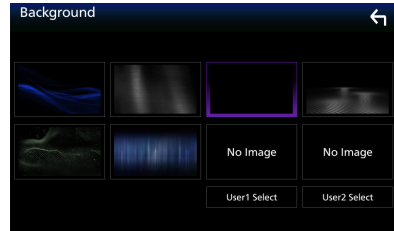
Displays the Screen Adjustment screen.

■ Background

Changing background image or color.

Change background image or color

- 1 Touch **Background** in the Display screen.
- 2 Select an image.



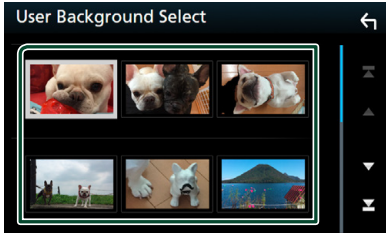
Setting Up

To register original image

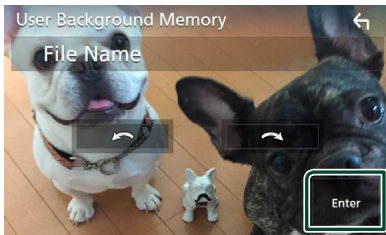
You can load an image from the connected USB device and set it for the background image.

Before operating this procedure, it is necessary to connect the device which has the image to load.

- 1 Touch **User1 Select** or **User2 Select** in the Background screen.
- 2 Select the image to load.





- 3 Touch **Enter**.




- The selected image is loaded and the display returns to the Background screen.

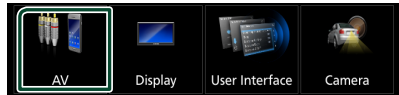
NOTE

- Touching  rotates counter clockwise.
- Touching  rotates clockwise.
- Picture files: JPEG (.jpg, .jpeg), PNG (.png), BMP (.bmp)

AV Setup

You can set AV parameters.

- 1 Press the **MENU** button.
► MENU screen appears.
- 2 Touch .
► SETUP screen appears.
- 3 Touch **AV**.



- AV screen appears.

- 4 Set each item as follows.

■ AV-OUT

Specify whether to output the current source signal from the AV OUTPUT terminal.

"ON"/"OFF" (Default)

NOTE

- Images can be output only from the AV IN and USB (video file) source.
- If display of the rear view camera image is selected when the AV-IN source is being played, no image is output from the AV OUTPUT terminal.

■ CarPlay Sidebar

Select the position of the control bar (left or right) shown on the touch panel.

"Left" (Default)/"Right"

NOTE

- The setting is available when an iPhone is disconnected.

■ AV Color Adjust

You can adjust image quality in video screen.

NOTE

- Adjusting items are different depending on the current source.

Controlling Audio

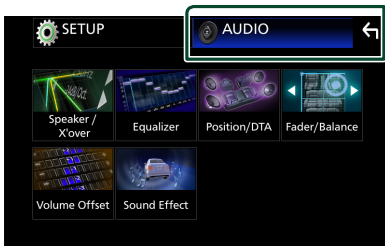
NOTICE

- Each operation in this section can be started from the multi function menu.

You can adjust the various settings such as audio balance or subwoofer level.


- 1 Press the **MENU** button.
➤ MENU screen appears.

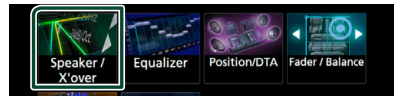
- 2 Touch .



See the following section for each setting.

Speaker/ X'over setup

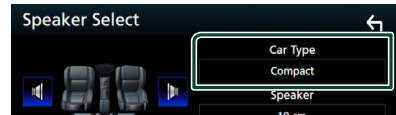
- 1 Press the **MENU** button.
➤ MENU screen appears.
- 2 Touch .
- 3 Touch **Speaker/X'over**.



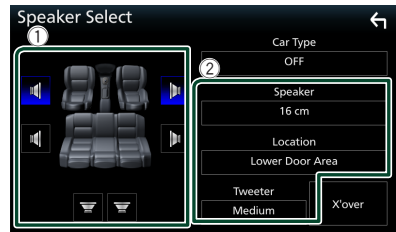
- 4 Select a car type.

You can setup the car type and speaker network, etc.

If your car type is selected, the Delay Time Alignment (for timing adjustment of sound output for each channel) to have the highest surround effects.



- 5 Touch the speaker (①) you wish to adjust and set each item (②) as follows.



■ Speaker

You can select a speaker type and its size to get the best sound effects.

When the speaker type and size are set, the speaker crossover network is set automatically.

■ Location (Only for Front, Rear)

Select the speaker position you have fixed.

Controlling Audio

■ Tweeter (Only for Front)

You can set the tweeter when you are selecting front speakers.

None, Small, Medium, Large

■ X'over

Displays the speaker crossover setup screen.

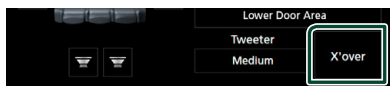
You can adjust the crossover setup that was set automatically when you selected the speaker type.

For details, see **Crossover network setup**

■ Crossover network setup

You can set a crossover frequency of speakers.

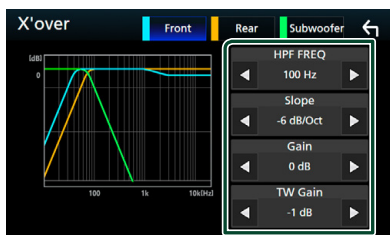
1 Touch X'over.



2 Touch the speaker to set.



3 Set each item as follows.



■ HPF FREQ

High Pass Filter adjustment. (When front or rear speaker is selected on Speaker Select screen)

■ LPF FREQ

Low Pass Filter adjustment. (When subwoofer is selected on Speaker Select screen)

■ Slope*1

Sets a crossover slope.

■ Gain

Adjusts the front speaker, rear speaker, or subwoofer level.

■ TW (Tweeter) Gain *2

Adjusts the tweeter level. (When front is selected on Speaker Select screen)

■ Phase Inversion*3

Sets the phase of subwoofer output.

Check **Phase Inversion** to shift the phase 180 degrees. (When subwoofer is selected on Speaker Select screen)

*1 Only when "LPF FREQ"/"HPF FREQ" is set to a mode other than "Through" in **X'over**.

*2 Only when "Tweeter" is set to "Small", "Medium", "Large" in **Speaker Setup**.

*3 Only when "Subwoofer" is set to a mode other than "None" in **Speaker Setup**.

Controlling General Audio

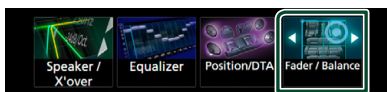
1 Press the MENU button.

➤ MENU screen appears.

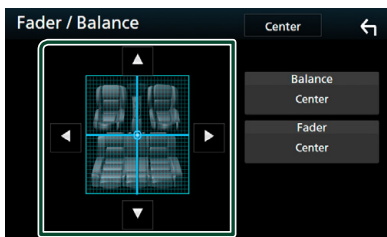
2 Touch .

➤ Audio screen appears.

3 Touch Fader / Balance.



4 Set each item as follows.



■ Fader / Balance

Adjust the volume balance around the touched area.

◀ and ▶ adjust the right and left volume balance.


▲ and ▼ adjust the front and rear volume balance.

■ Center

Clear the adjustment.

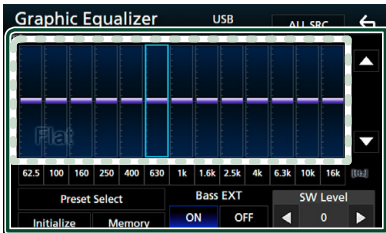
Equalizer Control

You can adjust equalizer by selecting the optimized setting for each category.

- 1 Press the **MENU** button.
 - MENU screen appears.
- 2 Touch .
 - Audio screen appears.
- 3 Touch **Equalizer**.



- 4 Touch the screen and set the Graphic Equalizer as desired.



■ Gain level (dotted frame area)

Adjust the gain level by touching the each frequency bar.

You can select frequency bar and adjust its level by ▲, ▼.

■ Preset Select

Displays the screen to recall the preset equalizer curve.

■ Memory

Saves the adjusted equalizer curve from "User1" to "User4".

■ Initialize

The current EQ curve returns to flat.

■ ALL SRC

Apply the adjusted equalizer to all sources. Touch **ALL SRC** and then touch **OK** on the confirmation screen.

■ Bass EXT (Bass Extend Settings)

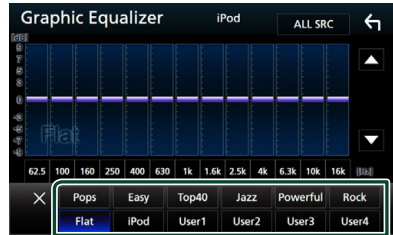
When turned on, the frequency lower than 62.5 Hz is set to the same gain level as 62.5 Hz.

■ SW Level

Adjusts the subwoofer volume. This setting is not available when subwoofer is set to "None". See **Speaker/ X'over setup (P.41)**.

■ Recall the EQ curve

- 1 Touch **Preset Select**.
- 2 Select EQ curve.

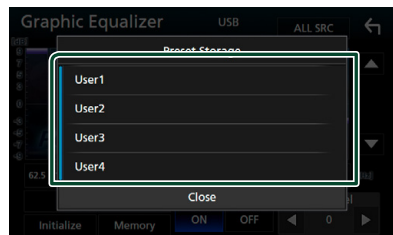


NOTE

- **iPod** is available only during iPod source.


■ Save the EQ curve

- 1 Adjust the EQ curve.
- 2 Touch **Memory**.
- 3 Select where to save.



Volume Offset

Finely adjust the volume of the current source to minimize the difference in volume between different sources.

- 1 Press the **MENU** button.
➤ MENU screen appears.
- 2 Touch .
➤ Audio screen appears.
- 3 Touch **Volume Offset**.



- 4 Touch **+** or **-** to adjust the level.




■ Initialize

Returns to the initial settings.

* If you have increased the volume first, then reduced the volume using the "Volume Offset", the sound generated if you suddenly switch to another source may be extremely loud.

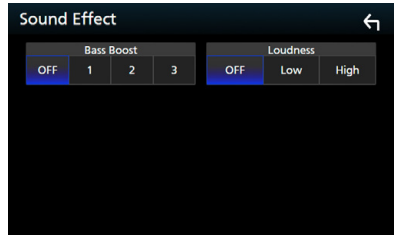
Sound Effect

You can set sound effects.

- 1 Press the **MENU** button.
➤ MENU screen appears.
- 2 Touch .
➤ Audio screen appears.
- 3 Touch **Sound Effect**.



- 4 Set each item as follows.



■ Bass Boost

Sets the amount of bass boost among "OFF"/"1"/"2"/"3".


■ Loudness

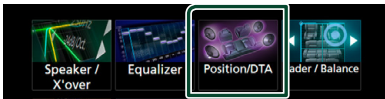
Sets the amounts of boost of low and high tones.

"OFF", "Low", "High"

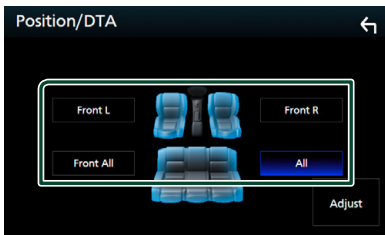
Listening Position/ DTA

Adjust the sound delay time as nearer speakers to the selected seat have more delay time, so that the sound from each speaker arrive a listener at the same time.

- 1 Press the **MENU** button.
➤ MENU screen appears.
- 2 Touch .
➤ Audio screen appears.
- 3 Touch **Position/DTA**.



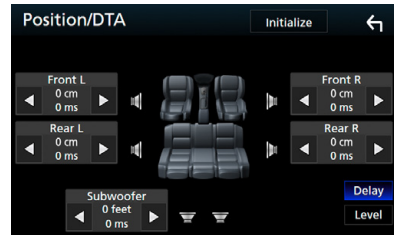
- 4 Select listening position from **Front R** (Right front), **Front L** (Left front), **Front All** (All front), and **All**.



Position DTA control

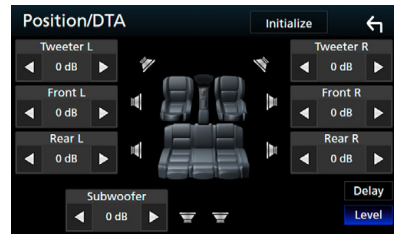
You can fine-adjust your listening position.

- 1 Touch **Adjust**.
- 2 Touch **Delay**.
- 3 Touch **◀** or **▶** to adjust the delay time of the selected speaker.



- 4 Touch **Level**.

- 5 Touch **◀** or **▶** to adjust the sound level of the selected speaker.



NOTE

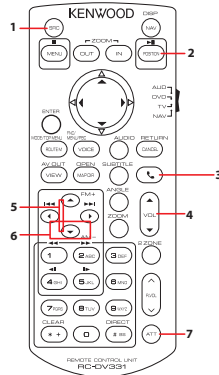
- To return to the initial setting of Delay and Level, touch **Initialize** and **YES** in the confirmation screen.

Remote control

This unit can be operated using the remote control KNA-RCDV331 (optional accessory).

Functions of the Remote control Buttons

- Aim the remote control directly at the remote sensor on the faceplate.
- DO NOT expose the remote sensor to bright light (direct sunlight or artificial lighting).



1 SRC	Switches to the source to be played.
2 ► 	Plays or pauses.
3 ☎	When a call comes in, answers the call.
4 VOL ▲ ▼	Adjusts the volume.
5 ▲ FM+ ▼ AM-	During tuner source, select FM/AM band to be received.
6 ◀◀ ▶▶	Selects the track or file to be played.
7 ATT	Mutes/restores the sound
- Other	Not used.

Connection/Installation

Before Installation

Before installation of this unit, please note the following precautions.

▲ WARNINGS

- If you 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. Always connect those wires to the power source running through the fuse box.
- 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.

▲ CAUTION

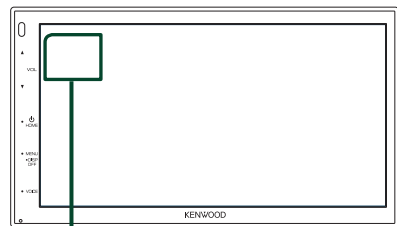
- Install this unit in the console of your vehicle. Do not touch the metal part of this unit during and shortly after the use of the unit. Metal part such as the heat sink and enclosure become hot.

NOTE

- Mounting and wiring this product requires skills and experience. For best safety, leave the mounting and wiring work to professionals.
- Make sure to ground the unit to a negative 12V DC power supply.
- Do not install the unit in a spot 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.
- If the power is not turned ON ("There is an error in the speaker wiring. Please check the connections." is displayed), the speaker wire may have a short-circuit or touched the chassis of the vehicle and the protection function may have been activated. Therefore, the speaker wire should be checked.
- 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

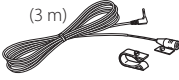

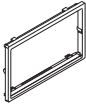


to a power source with a constant voltage supply, such as with battery wires, the battery may be drained.

- If the console has a lid, make sure to install the unit so that the front panel will not hit the lid when closing and opening.
- If the fuse blows, first make sure the wires aren't 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 on the ends of the unconnected wires or the terminals.
- 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 the connectors either to both the front output terminals or to both 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.
- 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 vehicle. Otherwise scars, damage, or failure may result.
- Reception may drop if there are metal objects near the Bluetooth antenna.



Bluetooth antenna unit

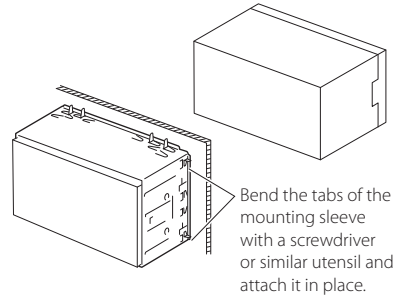
Supplied accessories for installation

①	 (3 m)	x1
②		x2
③		x1
④	 (2 m)	x1
⑤		x1

Installation procedure

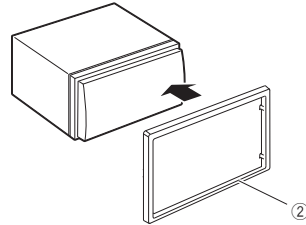
- 1) To prevent a short circuit, remove the key from the ignition and disconnect the \ominus terminal of the battery.
- 2) Make the proper input and output wire connections for each unit.
- 3) Connect the wire on the wiring harness.
- 4) Take Connector B on the wiring harness and connect it to the speaker connector in your vehicle.
- 5) Take Connector A on the wiring harness and connect it to the external power connector on your vehicle.
- 6) Connect the wiring harness connector to the unit.
- 7) Install the unit in your car.
- 8) Reconnect the \ominus terminal of the battery.
- 9) Press the reset button.

Installing the unit



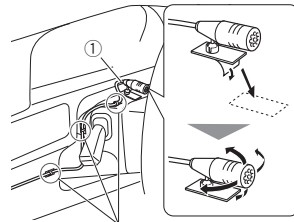
Trim plate

- 1) Attach accessory ② to the unit.



Microphone unit

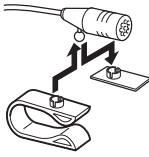
- 1) Check the installation position of the microphone (accessory ①).
- 2) Clean the installation surface.
- 3) Remove the separator of the microphone (accessory ①), and stick the microphone to the place shown below.
- 4) Wire the microphone cable up to the unit with it secured at several positions using tape or other desired method.
- 5) Adjust the direction of the microphone (accessory ①) to the driver.



Fix a cable with a commercial item of tape.

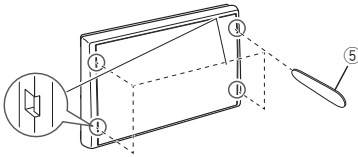
NOTE

- Swap the clips if necessary.

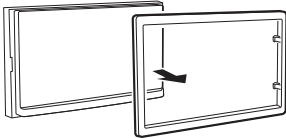


Removing the trim plate

- 1) Use the extraction key (accessory ⑤) to lever out the four tabs (two on the left part, two on the right part).

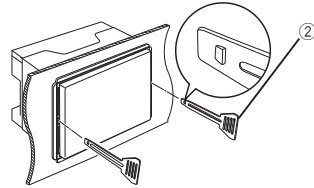


- 2) Pull the trim plate forward.

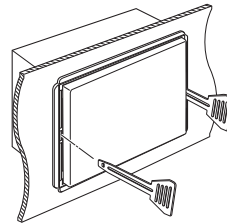


Removing the unit

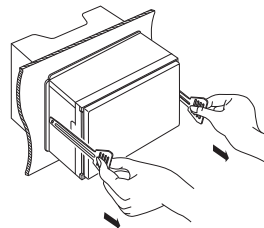
- 1) Remove the trim plate by referring to step 1 in "Removing the trim plate".
- 2) Insert the extraction key (accessory ②) deeply into the slot as shown. (The protrusion at the tip of the extraction key must face toward the unit.)



- 3) With the inserted extraction key secured, insert the other extraction key into the slot.



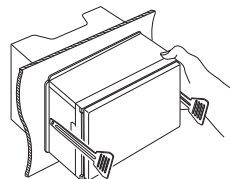
- 4) Pull out the unit halfway.



NOTE

- 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.



Connecting wires to terminals

Light Blue/Yellow (Steering remote control wire)

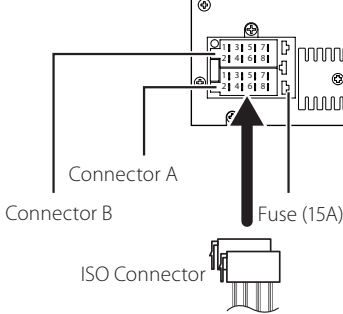
To steering remote
To use the steering wheel remote control feature, you need an exclusive remote adapter (not supplied) matched to your car.

Light Green (Parking sensor wire)
Accessory ③: Parking Extension cable

For best safety, be sure to connect the parking sensor.
Connect to the vehicle's parking brake detection switch harness.

Purple/White (Reverse sensor wire)

Connect to vehicle's reverse lamp harness when using the optional rear view camera.



USB terminal^[1] (1 m)
5V=1.5A
Cap
USB device^[2]

Accessory ①
Bluetooth Microphone

Subwoofer Preout
SUB WOOFER
Cap

FM/AM antenna

Rear Audio Preout (Left; White, Right; Red)

Front Audio Preout (Left; White, Right; Red)

Visual Output (Yellow)

Rear view camera input (Yellow)

AV-IN (1; Left audio, 2; Composite video, 3; Ground, 4; Right audio).

^[1] USB maximum power supply current : DC 5 V = 1.5 A

^[2] Sold separately

ISO Connector function guide

Pin	Color and function	
A-4	Yellow	Battery
A-5	Blue/White ^[1]	Power Control
A-6	Orange/White	Illumination
A-7	Red	Ignition (ACC)
A-8	Black	Earth (Ground) Connection
B-1/ B-2	Purple (+) / Purple/Black (-)	Rear Right
B-3/ B-4	Gray (+) / Gray/Black (-)	Front Right
B-5/ B-6	White (+) / White/Black (-)	Front Left
B-7/ B-8	Green (+) / Green/Black (-)	Rear Left

^[1] Max. 300mA, 12V

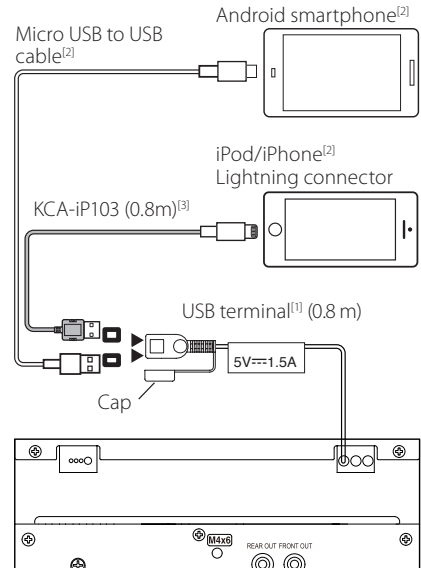
- Speaker Impedance: 4-8 Ω

⚠ CAUTION

Before you connect the commercially available ISO connectors to the unit, check the following condition:

- Make sure that the pin assignment of the connector matches with the KENWOOD unit.
- Take extra notice of the power wire.
- In case battery wire and ignition wire are not corresponding then change them accordingly.
- In case the car does not have an ignition wire, use a commercially available interface.

Connecting an iPod/iPhone/Android



^[1] iPod/iPhone maximum power supply current : DC 5 V $\overline{\text{---}}$ 1.5 A

^[2] Sold separately

^[3] Optional accessory

Troubleshooting

Problems and Solutions

If any trouble occurs, first check the following table for possible problems.

NOTE

- Some functions of this unit may be disabled by some settings made on this unit.
- What might seem to be a malfunction in your unit may just be the result of slight misoperation or miswiring.

About settings

- **Cannot set up the subwoofer.**
- **Cannot set up subwoofer phase.**
- **No output from the subwoofer.**
- **Cannot set up the low pass filter.**
- **Cannot set up the high pass filter.**

Subwoofer is not set to on.

- Set the subwoofer to on. See **Speaker/X'over setup (P.37)**.

About audio operations

Radio reception is poor.

The car antenna is not extended.

- Pull out the antenna all the way.

The antenna control wire is not connected.

- Connect the wire correctly. See **Connecting wires to terminals (P.46)**.

Cannot select a folder.

The random play function is enabled.

- Turn off the random function.

The sound skips when an audio file is being played.

The recording condition is bad.

- Record the file again or use another USB memory.

Other

The Touch Sensor Tone doesn't sound.

The preout jack is being used.

- The Touch Sensor Tone cannot be output from the preout jack.

Error Messages

When you fail to operate the unit correctly, the cause of the failure appears as the message on the screen.

No Device (USB device)

The USB device is selected as a source although no USB device is connected.

- Change the source to any source other than USB
Connect a USB device, and change the source to USB again.

Disconnected (Bluetooth audio player)

The Bluetooth audio player is selected as a source although no Bluetooth audio player is connected.

- Change the source to any source other than Bluetooth. Connect an Bluetooth audio player, and change the source to iPod/Bluetooth again.

No Media file

The connected USB device contains no playable audio file. Media was played that doesn't have data recorded that the unit can play.

- See **Playable Media and Files (P.50)** and try another USB device.

Appendix

Playable Media and Files

You can play various kinds of media and files on this unit.

About files

The following audio and video files are supported.

Playable Audio files

	Format	Bit rate	Sampling frequency	Bit count
AAC-LC (.m4a)	MPEG2/4 AAC LC HE-AAC(V1,V2)	8 – 320kbps, VBR	16 – 48 kHz	16 bit
MP3 (.mp3)	MPEG 1/2 Audio Layer 3	8 – 320kbps, VBR	16 – 48 kHz	16 bit
WMA (.wma)	Windows Media Audio Standard L3 profile (Version 7,8,9)	8 – 320kbps	16 – 48 kHz	16 bit
Linear PCM (WAVE) (.wav)	RIFF waveform Audio Format	–	16 – 192 kHz	16/ 24 bit
FLAC (.flac)	flac	–	16 – 192 kHz	16/ 24 bit
Vorbis (.ogg)	vorbis	VBR	16 – 48 kHz	16 bit

NOTE

- WMA and AAC of which is covered with DRM cannot be played.
- Although the audio files are complied with the standards listed above, the play may be impossible depending on the types or conditions of media or device.

Acceptable Video files

	Profile	Max. Picture size	Max. bit rate	Audio format
MPEG-1 (.mpg, .mpeg)	–	352 × 240, 352 × 288	1.5 Mbps	MPEG Audio Layer 2
MPEG-2 (.mpg, .mpeg)	MP@ML	720 × 480, 720 × 576	8 Mbps	MPEG Audio Layer 2
H.264/MPEG-4 AVC (.mp4, .m4v, .avi, .flv)	Baseline Profile, Main Profile	1920 × 1080 (30 fps)	8 Mbps	MP3, AAC
MPEG-4 (.mp4, .avi)	Advanced Simple Profile	1920 × 1080 (30 fps)	8 Mbps	MP3, AAC
WMV (.wmv)	Main Profile	1920 × 1080 (30 fps)	8 Mbps	WMA
MKV (.mkv)	Video Format follows H.264/MPEG-4 AVC, MPEG-4			MP3, AAC

Limitation of structure for the file and the folder

	USB device
Maximum number of folder layers	8
Maximum number of files (per folder)	999
Maximum number of folders (per folder)	9999
Maximum number of folders (per device)	–

NOTE

- You can enter a folder name and file name with 255 or fewer single-byte characters.
- Files in the folder whose folder name begins with a dot (.) cannot be played.

Specifications

■ Monitor section

Picture Size
: 6.75 inches (diagonal) wide
: 151.8 mm (W) × 79.7 mm (H)

Display System
: TN LCD panel

Drive System
: TFT active matrix system

Number of Pixels
: 1,152,000 (800H x 480V x RGB)

Effective Pixels
: 99.99 %


Pixel Arrangement
: RGB striped arrangement

Back Lighting
: LED

■ USB interface section

USB Standard
: USB 2.0 High Speed

File System
: FAT 16/ 32, NTFS

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 : 20 – 20,000 Hz
- 96 kHz : 20 – 20,000 Hz
- 48 kHz : 20 – 20,000 Hz
- 44.1 kHz : 20 – 20,000 Hz

Total Harmonic Distortion
: 0.05 % (1 kHz)

S/N Ratio
: 88 dB

Dynamic Range
: 87 dB

■ Bluetooth section

Technology
: Bluetooth Ver.4.1

Frequency
: 2.402 – 2.480 GHz

RF Output Power (E.I.R.P.)
: <10dBm (MAX), Power Class2

Maximum Communication range
: Line of sight approx. 10m (32.8 ft)

Audio Codec
: SBC/ AAC

Profile (Multi Profile support)

- HFP (Hands Free Profile)
- SPP (Serial Port Profile)
- A2DP (Advanced Audio Distribution Profile)
- AVRCP (Audio/Video Remote Control Profile)
- PBAP (Phonebook Access Profile)

■ DSP section

Graphics equalizer
Band: 13 Band
Frequency (BAND1 – 13)
: 62.5/ 100/ 160/ 250/ 400/ 630/ 1k/ 1.6k/ 2.5k/ 4k/
6.3k/ 10k/ 16k Hz

Gain
: -9/-8/-7/-6/-5/-4/-3/-2/-1/0/
+1/+2/+3/+4/+5/+6/+7/+8/+9 dB

2Way X'Over
High pass filter
Frequency: Through, 30/ 40/ 50/ 60/ 70/ 80/ 90/
100/ 120/ 150/ 180/ 220/ 250 Hz
Slope: -6/-12/-18/-24 dB/Oct.
Gain: -8/-7/-6/-5/-4/-3/-2/-1/0 dB

Low pass filter
Frequency: 30/ 40/ 50/ 60/ 70/ 80/ 90/ 100/ 120/
150/ 180/ 220/ 250 Hz, Through
Slope: -6/-12/-18/-24 dB/Oct.
Gain: -8/-7/-6/-5/-4/-3/-2/-1/0 dB

Position
Front / Rear /Subwoofer Delay
: 0 – 6.1 m (0.01 m Step)

Gain
: -8 – 0 dB

Subwoofer level
: -40 – +6 dB

Appendix

■ FM tuner section

- Frequency Range (step)
: 87.5 MHz – 108.0 MHz (50 kHz)
- Usable Sensitivity (S/N : 26 dB)
: 13.2 dBf (1.3 μ V/75 Ω)
- Quieting Sensitivity (S/N : 46 dB)
: 19.2 dBf (2.5 μ V/75 Ω)
- Frequency Response
: 30 Hz – 15 kHz
- S/N Ratio (dB)
: 70 dB (MONO)
- Selectivity (\pm 400 kHz)
: Over 80 dB
- Stereo Separation
: 37 dB (1 kHz)

■ AM tuner section

- Frequency Range (step)
MW: 531 – 1611 kHz (9 kHz)
- Usable Sensitivity
MW: 44.7 μ V

■ Video section

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

■ Audio section

- Maximum Power Output (Front & Rear)
: 50 W \times 4
- Full Bandwidth Power (at less than 1% THD)
: 21 W \times 4
- Output frequency band
: 20 – 20,000 Hz
- Preout Level (V)
: 4 V/ 10 k Ω
- Preout Impedance
: 1.3 k Ω
- Speaker Impedance
: 4 – 8 Ω

■ General

- Operating Voltage
: 12V DC Car Battery
- Installation Dimensions (W \times H \times D)
: 178 \times 100 \times 75 mm
- Weight
: 1.1 kg

NOTE

- Although the effective pixels for the liquid crystal panel is given as 99.99% or more, 0.01% of pixels may not light or may light incorrectly.

Specifications subject to change without notice.

About this Unit

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■ Information on Disposal of Old Electrical and Electronic Equipment and Batteries (applicable for EU countries that have adopted separate waste collection systems)

Products and batteries with the symbol (crossed-out wheeled bin) cannot be disposed as household waste.

Old electrical and electronic equipment and batteries should be recycled at a facility capable of handling these items and their waste byproducts.

Contact your local authority for details in locating a recycle facility nearest to you.

Proper recycling and waste disposal will help conserve resources whilst preventing detrimental effects on our health and the environment.

Notice: The sign "Pb" below the symbol for batteries indicates that this battery contains lead.



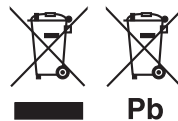
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Declaration of Conformity with regard to the RE Directive 2014/53/EU

Declaration of Conformity with regard to the RoHS Directive 2011/65/EU

Manufacturer:

JVCケンウッド Corporation
2967-3, Ishikawa-machi, Hachioji-shi, Tokyo
192 - 8525, Japan

EU Representative:

JVCケンウッド Europe B.V.
Amsterdamseweg 37, 1422 AC UITHOORN, The Netherlands

English

Hereby, JVCケンWOOD declares that the radio equipment DMX5020DABS/DMX5020BTS/DMX4707S is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

Français

Par la présente, JVCケンWOOD déclare que l'équipement radio DMX5020DABS/DMX5020BTS/DMX4707S est conforme à la directive 2014/53/UE. L'intégralité de la déclaration de conformité UE est disponible à l'adresse Internet suivante :

Deutsch

Hiermit erklärt JVCケンWOOD, dass das Funkgerät DMX5020DABS/DMX5020BTS/DMX4707S der Richtlinie 2014/53/EU entspricht. Der volle Text der EU-Konformitätserklärung steht unter der folgenden Internetadresse zur Verfügung:

Nederlands

Hierbij verklaart JVCケンWOOD dat de radioapparatuur DMX5020DABS/DMX5020BTS/DMX4707S in overeenstemming is met Richtlijn 2014/53/EU. De volledige tekst van de EU-verklaring van overeenstemming is te vinden op het volgende internetadres:

Italiano

Con la presente, JVCケンWOOD dichiara che l'apparecchio radio DMX5020DABS/DMX5020BTS/DMX4707S è conforme alla Direttiva 2014/53/UE. Il testo integrale della dichiarazione di conformità UE è disponibile al seguente indirizzo internet:

Español

Por la presente, JVCケンWOOD declara que el equipo de radio DMX5020DABS/DMX5020BTS/DMX4707S cumple la Directiva 2014/53/UE. El texto completo de la declaración de conformidad con la UE está disponible en la siguiente dirección de internet:

Português

Destse modo, a JVCケンWOOD declara que o equipamento de rádio DMX5020DABS/DMX5020BTS/DMX4707S está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade da UE está disponível no seguinte endereço de internet:

Polska

Niniejszym, JVCケンWOOD deklaruje, że sprzęt radiowy DMX5020DABS/DMX5020BTS/DMX4707S jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności EU jest dostępny pod adresem:

Český

Společnost JVCケンWOOD tímto prohlašuje, že rádiové zařízení DMX5020DABS/DMX5020BTS/DMX4707S splňuje podmínky směrnice 2014/53/UE. Plný text EU prohlášení o shodě je dostupný na následující internetové adrese:

Magyar

JVCケンWOOD ezennel kijelenti, hogy a DMX5020DABS/DMX5020BTS/DMX4707S rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU konformitási nyilatkozat teljes szövege az alábbi weboldalon érhető el:

Hrvatski

JVCケンWOOD ovim izjavljuje da je radio oprema DMX5020DABS/DMX5020BTS/DMX4707S u skladu s Direktivom 2014/53/EU. Gjeloviti tekst deklaracije Europske unije o usklađenosti dostupan je na sljedećoj internet adresi:

Svenska

Härmed försäkras JVCケンWOOD att radioutrustningen DMX5020DABS/DMX5020BTS/DMX4707S är i enlighet med direktiv 2014/53/EU. Den fullständiga texten av EU-försäkran om överensstämmelse finns på följande Internetadress :

Suomi

JVCケンWOOD julistaa täten, että radiolaitte DMX5020DABS/DMX5020BTS/DMX4707S on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutus löytyy kokonaisuudessaan seuraavasta internet-osoitteesta:

Slovensko

S tem JVCケンWOOD izjavlja, da je radijska oprema DMX5020DABS/DMX5020BTS/DMX4707S v skladu z Direktivo 2014/53/EU. Celotno besedilo direktive EU o skladnosti je dostopno na tem spletnem naslovu:

Slovensky

Spoločnosť JVCケンWOOD týmto vyhlasuje, že rádiové zariadenie DMX5020DABS/DMX5020BTS/DMX4707S vyhovuje smernici 2014/53/EÚ. Celý text EÚ vyhlásenia o zhode nájdete na nasledovnej internetovej adrese:

Dansk

Herved erklærer JVCケンWOOD, at radioustyret DMX5020DABS/DMX5020BTS/DMX4707S er i overensstemmelse med Direktiv 2014/53/UE. EU-overensstemmelseserklæringens fulde ordlyd er tilgængelig på følgende internetadresse:

Norsk

JVCケンWOOD erklærer herved at radioustyret DMX5020DABS/DMX5020BTS/DMX4707S er i samsvar med Direktiv 2014/53/UE. Den fullstendige teksten til EU-konformitetserklæringen er tilgjengelig på følgende internetadresse:

Ελληνικά

Με το παρόν, η JVCケンWOOD δηλώνει ότι ο ραδιοεξοπλισμός DMX5020DABS/DMX5020BTS/DMX4707S συμμορφώνεται με την Οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης της ΕΕ είναι διαθέσιμο στην ακόλουθη διεύθυνση στο διαδίκτυο:

Eesti

Käesolevaga JVCケンWOOD kinnitab, et DMX5020DABS/DMX5020BTS/DMX4707S raadiovarustus on vastavuses direktiiviga 2014/53/EL. Eli vastusdeklaratsiooni terviktekst on kättesaadav järgmisel internetiaadressil:

Latviešu

JVCケンWOOD ar šo deklarē, ka radio aparātūra DMX5020DABS/DMX5020BTS/DMX4707S atbilst direktīvas 2014/53/ES prasībām. Pilns Es atbilstības deklarācijas teksts ir pieejams šādā tīmekļa adresē:

Lietuviškai

Šiuo JVCケンWOOD pažymi, kad radijo įranga DMX5020DABS/DMX5020BTS/DMX4707S atitinka 2014/53/EB direktyvos reikalavimus. Visą EB direktyvos atitikties deklaracijos tekstą galite rasti šiuo internetiniu adresu:

Malti

B'dan, JVCケンWOOD jiddikjara li t-tagħmir tar-radjju DMX5020DABS/DMX5020BTS/DMX4707S huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità huwa disponibbli fl-indirizz intranet li gej:

Українська

Таким чином, компанія JVCKENWOOD заявляє, що радіобладнання DMX5020DABS/ DMX5020BTS/ DMX4707S відповідає Директиві 2014/53/EU. Повний текст декларації про відповідність ЄС можна знайти в Інтернеті за такою адресою:

Türkçe

Burada, JVCKENWOOD DMX5020DABS/ DMX5020BTS/ DMX4707S radyo ekipmanının 2014/53/AB Direktifine uygun olduğunu bildirir. AB uyumluluk deklarasyonunun tam metni aşağıdaki internet adresinde mevcuttur.

Русский

JVCKENWOOD настоящим заявляет, что радиооборудование DMX5020DABS/ DMX5020BTS/ DMX4707S соответствует Директиве 2014/53/EU. Полный текст декларации соответствия ЕС доступен по следующему адресу в сети Интернет:

Limba română

Prin prezenta, JVCKENWOOD declară că echipamentul radio DMX5020DABS/ DMX5020BTS/ DMX4707S este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației de conformitate UE este disponibil la următoarea adresă de internet:

Български език

С настоящото JVCKENWOOD декларира, че радиооборудването на DMX5020DABS/ DMX5020BTS/ DMX4707S е в съответствие с Директива 2014/53/ЕС. Пълният текст на ЕС декларацията за съответствие е достъпен на следния интернет адрес:

FCC STATEMENT

1. 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.

2. any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body

IC Warning

- English:

This device contains licence-exempt transmitter(s)/ receiver(s) that comply with 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 interference; and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body

- French:

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radio électrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."

Cet appareil est conforme à FCC et IC l'exposition aux rayonnements limites fixées pour un environnement non contrôlé. Cet appareil doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps. Cet transmetteur ne doit pas être co-situé ou opérant en liaison avec toute autre antenne ou transmetteur.

URL : <http://www.kenwood.com/cs/ce/eudoc>

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