



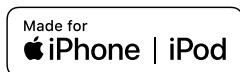
KW-M150BT

MONITOR WITH RECEIVER

INSTRUCTION MANUAL

JVCKENWOOD Corporation

- Updated information (the latest Instruction Manual, etc.) is available from [<http://www.jvc.net/cs/car/>](http://www.jvc.net/cs/car/).



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How to read this manual

- The panels shown in this guide are examples used to provide clear explanations of the operations. For this reason, they may be different from the actual panels.
- In operation procedures, bracket shape indicates the key or button you should control.
 < >: indicates the name of panel buttons.
 []: indicates the name of touch keys

Before use

Precautions

⚠ WARNING

■ To prevent injury or fire, take the following precautions:

- To prevent a short circuit, never put or leave any metallic objects (such as coins or metal tools) inside the unit.
- Do not watch or fix your eyes on the unit's display when you are driving for any extended period.
- If you experience problems during installation, consult your JVC dealer.

■ Precautions on using this unit

- When you purchase optional accessories, check with your JVC dealer to make sure that they work with your model and in your area.
- The Radio Data System or Radio Broadcast Data System feature won't work where the service is not supported by any broadcasting station.

■ Protecting the monitor

- To protect the monitor from damage, do not operate the monitor using a ballpoint pen or similar tool with the sharp tip.

■ Cleaning the Unit

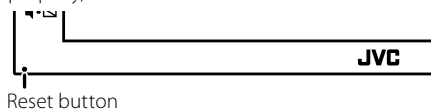
If the front panel of this unit is stained, wipe it with a dry soft cloth such as a silicon cloth. If the front panel is stained badly, wipe the stain off with a cloth moistened with neutral cleaner, then wipe it again with a clean soft dry cloth.

⚠ CAUTION

- Applying spray cleaner directly to the unit may affect its mechanical parts. Wiping the front panel with a hard cloth or using a volatile liquid such as thinner or alcohol may scratch the surface or erase screened print.

■ How to reset your unit

If the unit or the connected unit fails to operate properly, reset the unit.



Reset button

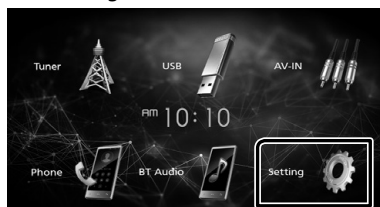
Getting Started

1 Turn the ignition key of your car to ACC.

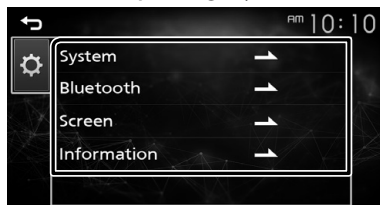
The unit is turned on.

2 Press the <Home> button.

3 Touch [Setting].



4 Touch the corresponding key and set the value.



[System]

[Beep Tone]

Activates or deactivates the key-touch tone.
"ON" (Default), "OFF"

[Language]

Select the language used for the control screen and setting items. Default is "English".

[Time/Date]

Adjust the clock time. (P.3)

[Clock Mode]

Select the time display format.
[12hr] (Default) / [24hr]

[Steering Remote]

Sets the desired function in the steering remote controller. See **Learning function of steering remote (P.13)**.

[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], you can adjust the parking guidelines. See **To adjust the parking guidelines (P.13)**.

[System Reset]

Touch [System Reset] and then touch [YES] to set all the settings to the initial default settings.

[Bluetooth]

Displays the Bluetooth Settings screen. (P.14)

[Screen]

[Dimmer]

Select the dimmer mode.
"High" (Default) / "Mid" / "Low"

[Demo]

Select the demonstration mode. Default is "ON".

[Information]

Displays the software version of this unit.

5 Touch [Clock].

Clock settings

■ Synchronizing the clock time with FM RDS

Activate [RDS Clock Sync].

See **Tuner Setup (P.7)**.

■ Adjusting the clock manually

NOTE

- Deactivate [RDS Clock Sync] before adjusting the clock.

1 Press the <Home> button.

2 Touch [Setting].

3 Touch [System].

4 Touch [Time/Date].

Clock screen appears.

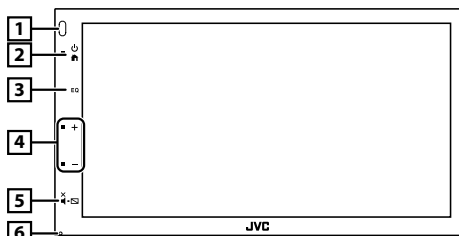
5 Touch [▲] or [▼] to set the clock time.



6 Touch [Clock].

Basics

Functions of the Buttons on the Front Panel



1 Remote Sensor

- Receives the remote control signal.

2 HOME (HOME)

- Displays the HOME screen. **(P.5)**
- Pressing for 1 second turns the power off.
- When the power off, turns the power on.

3 EQ

- Displays the Audio screen.* **(P.17)**
- * The Audio screen is not displayed during SETUP screen or on the list screen etc,

4 +, - (Volume)

- Adjusts volume. The volume will go up until 20 when you keep pressing [+].

5 MUTE, Display off

- Mutes/restores the sound.
- Pressing for 1 second turns the screen off. When the screen is off, touch the display to turn on the screen.

6 Reset

- If the unit or the connected unit fails to operate properly, the unit returns to factory settings when this button is pressed.

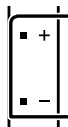
Turning off the power

- 1 Press and hold the <HOME> button.



Adjusting the volume

- 1 Press the <+> or <-> button.

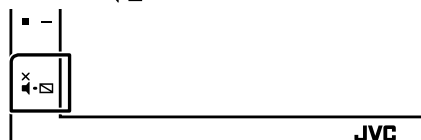


NOTE

- The volume will go up until 20 when you keep pressing [+].

Mutes the sound

- 1 Press the <MUTE> button.



- To restore the sound, touch the button again, or adjust the volume.

Turn off the screen

- 1 Press and hold the <MUTE> button.



- To turn on the screen, touch the display.

Common operations

Turning on the power

- 1 Press the <HOME> button.



Basics




HOME screen descriptions

1 Press the  button.



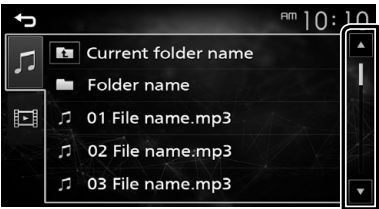
HOME screen appears.



- 1 Clock display
Touch to displays the Clock screen.
- 2 Switches to the Tuner broadcast. **(P.6)**
- 3 **[USB]** 
Plays files on a USB device. **(P.8)**
[iPod] 
Plays an iPod/iPhone. **(P.10)**
 - When iPod/iPhone is connected.**[Mirroring]** 
Displays the Mirroring screen. **(P.11)**
 - When android device with “Mirroring OB for JVC” application installed is connected.
- 4 Switches to an external component connected to the AV-IN input terminal. **(P.12)**
- 5 Displays the Hands Free screen. **(P.15)**
- 6 Plays a Bluetooth audio player. **(P.16)**
- 7 Displays the SETUP screen. **(P.3)**

List screen

There are some common function keys in the list screens of most sources.



1 You can change the page to display more items by pressing **[▲]**/**[▼]**.

Tuner

Tuner Basic Operation

1 Press the <🏠> button.

2 Touch [Tuner].

Source control screen



1 Displays the information of the current station:
PS name, Frequency, PTY Genre, Indicator Items

2 **[FM]** : Switches the FM band.
"FM1", "FM2", "FM3"

[AM] : Switches the AM band.
"AM1", "AM2"

[◀▶] : Tunes in a station with good
reception automatically.

[≡] : Displays the Tuner Setup screen. **(P.7)**

3 Recalls the memorized station.
When touched for 2 seconds, stores the current
receiving station in memory.

4 **[🏠]** : Returns to previous screen.

[📶] : Displays the Audio screen. **(P.17)**

Presetting stations

Auto memory

You can preset 6 stations for the current band (FM1/
FM2/FM3/AM1/AM2).

1 Touch [FM] or [AM] to select the band.

2 Touch [≡].

3 Touch [Auto Store].

The local stations with the strongest signals are
found and stored automatically.

Manual memory

You can store the current receiving station in
memory.

1 Tune in to a station you want to preset.

2 Touch and hold [#] (#:1-6) in which you want to
store the station.

Recalling the preset station

1 Touch [#] (#:1-6).

Tuner

Tuner Setup

- 1 Touch [≡].
- 2 Set each item as follows.



[Auto Store]

Automatically searches and stores the 6 stations with the strongest signals for the selected band.
"Auto Store" appears.

[Area]

"Other": For Asia, AM/FM intervals: 9 kHz/50 kHz.

[Local Seek]

Tunes in only to the stations with sufficient signal strength. (**LOC** indicator lights up.)
"ON", "OFF" (Default)

[RDS] *1

Displays the RDS Settings screen.

[AF]

When station reception is poor, automatically switches to the station that is broadcasting the same program over the same Radio Data System network.
"ON" (Default), "OFF"

[TA]

Switches to the traffic information automatically when the traffic bulletin starts. (**TI** indicator lights up.)
"ON", "OFF" (Default)

[RDS Clock Sync]

Synchronizing the Radio Data System station time data and this unit's clock.
"ON" (Default), "OFF"

[PTY]

Select a program type.

[PTY Seek]

Searches for a program by program type.

*1 FM only

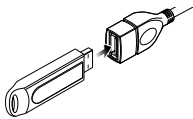
- 3 Touch [↶].

USB

Preparation

■ Connecting a USB device

- 1 Remove the cap of the USB terminal.
- 2 Connect the USB device with the USB cable.



The unit reads the device and playback starts.

■ To disconnect the USB device:

- 1 Press the  button.
- 2 Touch a source other than [USB].
- 3 Detach the USB device.

■ Usable USB device

This unit can play MPEG1/ MPEG2/ MPEG4/ H.264/ MKV/ MP3/WMA/ AAC/ WAV/ FLAC/ OGG files stored in a USB mass storage class device. **(P.23)**

- File system: FAT16/ FAT32/ NTFS
- This unit can recognize a total of 9 999 files and 320 folders (a maximum of 9 999 files per folder).
- The maximum number of characters:
 - Folder names : 70 characters
 - File names : 70 characters
 - Tag : 70 characters

NOTE













- When the USB device is connected to this unit, it can be charged through the USB cable.
- Install the USB device in the place where it will not affect safe driving.
- You cannot connect a USB device via a USB hub and Multi Card Reader.
- Take backups of the audio files used with this unit. The files may be erased depending on the operating conditions of the USB device.
We shall have no compensation for any damage arising from any erased data.
- No USB device comes with this unit. You need to purchase a commercially available USB device.
- Cap the USB terminal whenever not using.



Playback operations

■ Control the music you are listening to on the source control screen.



- 1 The jacket of the currently playing file is displayed.
- 2 Displays the information of the current file.
- 3 Playing time/File number
Play time bar : For confirmation of current playing position.

- 4  : Selects Random playback mode.
 : Randomly plays all files in the current folder.
 (Default): Normal playback.
 : Selects Repeat playback mode.
 (Default): Repeats all files in the USB device.
 : Repeats the current file.
 : Repeats all files in the current folder.
 ,  : Plays or pauses.
 ,  : Searches the previous/next content.
Touch and hold to fast forward or fast backward.
 : Searches file. **(P.9)**

- 5  : Returns to previous screen.
 : Displays the Audio screen. **(P.17)**

■ For Video playback

1 When the operation buttons are not displayed on the screen, touch the display.



1 [⚙️]: You can adjust image quality in video screen.

[Brightness]: Adjusts the brightness. (00 to 10)

[Contrast]: Adjusts the contrast. (00 to 10)

[Color]: Adjusts the color. (00 to 10)

[Tint]: Adjusts the tint. (00 to 10)

[INITIALIZE]: To clear the adjustment.

2 Playing time
Play time bar: For confirmation of current playing position.

3 [▶], [⏸]: Plays or pauses.
[◀◀], [▶▶]: Searches the previous/next content.
Touch and hold to fast forward or fast backward.

[Q]: Searches file. (P.9)

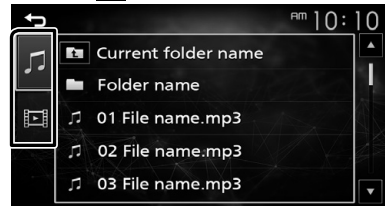
[NORMAL]/[16:9]/[4:3]: Select a screen mode.

4 [⏮]: Returns to previous screen.
[🔊]: Displays the Audio screen. (P.17)

■ Selecting a track in a list (Searches file)

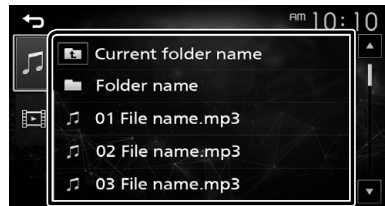
1 Touch [Q].

2 Select whether you search by audio files [🎵], video files [🎬].



3 Touch [🔼] to moves to the upper hierarchy.

4 Touch the desired folder.



When you touch a folder its contents are displayed.

• Touch [🔼] to moves to the upper hierarchy.

5 Touch desired item from the content list.

Playback starts.

📌 NOTE

• The source control screen appears when you touch [🔼] at the top hierarchy.

iPod/iPhone

Preparation

■ Connecting iPod/iPhone

- For Lightning connector models: Use USB Audio cable for iPod/iPhone—KS-U62 (optional accessory).
- For details about connecting iPod/iPhone, see page 22.

1 Remove the cap of the USB terminal.

2 Connect the iPod/iPhone.

The unit reads the device and playback starts.

■ To disconnect the iPod/iPhone

1 Press the <⏮> button.

2 Touch a source other than [iPod].

3 Detach the iPod/iPhone.

■ Connectable iPod/iPhone

The following models can be connected to this unit.

Made for

- | | | |
|-----------------|------------------|-----------------|
| • iPhone XS Max | • iPhone 8 | • iPhone 6s |
| • iPhone XS | • iPhone 7 Plus | • iPhone 6 Plus |
| • iPhone XR | • iPhone 7 | • iPhone 6 |
| • iPhone X | • iPhone SE | • iPhone 5s |
| • iPhone 8 Plus | • iPhone 6s Plus | |

📌 NOTE

- If you start playback after connecting the iPod, the music that has been played by the iPod is played first.
- Cap the USB terminal whenever not using.

Playback operations

■ Control the music you are listening to on the source control screen.



1 Artwork (Shown if the track contains artwork)

2 Displays the information of the current file.

3 Playing time/File number

Play time bar : For confirmation of current playing position.

- 4** **[⏮]** : Selects Random playback mode.
[⏮] : Functions the same as Shuffle Songs.
[⏮] : Random off
[⏮] : Selects Repeat playback mode.
[⏮] : Functions the same as Repeat All.
[⏮] : Functions the same as Repeat One.
[⏮] : Repeat off
[▶], [⏮] : Plays or pauses.
[⏮], [⏮], [⏮] : Searches the previous/next content.
 Touch and hold to fast forward or fast backward.
[Q] : Searches content. **(P.10)**

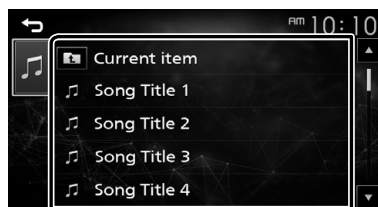
5 **[⏮]** : Returns to previous screen.

[⏮] : Displays the Audio screen. **(P.17)**

■ Selecting a content in a list

1 Touch [Q].

2 Touch desired item.



When you touch a category its contents are displayed.

3 Touch desired item from the content list.

Playback starts.

- Touch **[⏮]** to moves to the upper hierarchy.

📌 NOTE

- The source control screen appears when you touch **[⏮]** at the top hierarchy.

Mirroring

Preparation

You can display and control the App on the unit while your smartphone is connected to the USB terminal.

NOTE

- Pair your smartphone with the unit via Bluetooth. See **Register your smartphone to the unit (P.14)** and Connect the Bluetooth device.

Compatible Android smartphone

- Android version 7.0 or later
- Bluetooth support

NOTE

- This unit may not work for some Android smartphone's.

Connecting Android smartphone

1 Download Mirroring App from Google Play.

Install the latest version of the Mirroring application "Mirroring OB for JVC" on your Android.

2 Remove the cap of the USB terminal.

3 Connect the Android smartphone. (P.22)

4 Launch Mirroring App on your Android Smartphone.

Touch "OK" to start Mirroring App.

Touch "Start now" to start capturing your Android screen.

5 Start to enjoy Mirroring.

To disconnect the Android smartphone

1 Press the <> button.

2 Touch a source other than [Mirroring].

3 Detach the Android smartphone.

Mirroring operations

Mirroring Operation

1 Touch [Mirroring].



- You can display the same screen of the Android device on the monitor of the unit.

To turn off the Mirroring

1 Press the <> button.



- HOME screen appears.

External Components

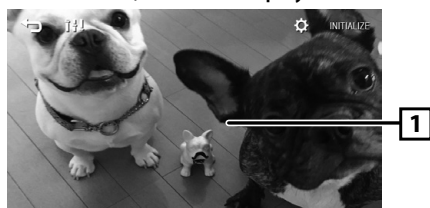
Using external audio/video players

■ Starting playback

- 1 Connect an external component to the AV-IN input terminal. (P.21)
- 2 Press the <🏠> button.
- 3 Touch [AV-IN].
- 4 Turn on the connected component and start playing the source.

■ For Video playback

- 1 When the operation buttons are not displayed on the screen, touch the display.



📌 NOTE

- When the picture from the rear view camera is displayed on the AV-IN screen, the picture output from the Visual Output terminal disappears.

Rear view camera

To use a rear view camera, the REVERSE lead connection is required. For connecting a rear view camera. (P.21)

■ Displaying the picture from the rear view camera

The rear view screen is displayed when you shift the gear to the reverse (R) position.



- To erase the caution message, touch the screen.

External Components

To adjust the parking guidelines

NOTE

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

1 Press the <🏠> button.

2 Touch [Setting].

3 Touch [System].

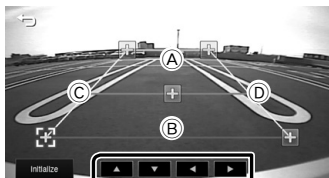
4 Touch [◀] or [▶] of [Parking Guidelines] and set to [ON].

5 Touch [Guidelines SETUP].

6 Adjust the parking guidelines by selecting the [📐] mark.



7 Adjusting the position of the selected mark.



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

NOTE

- Touch [Initialize] and then touch [Yes] to set all the marks to their initial default position.

Learning function of steering remote

This function is available only when your vehicle is equipped with the electrical steering remote controller.

1 Press the <🏠> button.

2 Touch [Setting].

3 Touch [System].

4 Touch [Steering Remote].

5 Touch the function you want to set.

6 Press and hold the steering remote controller button.

NOTE

- You can have the unit learned all buttons at a time. In that case, press the all buttons one at a time and after pressing all of them, touch [↵] in Steering Remote Controller Setting screen.

7 Repeat steps 5 and 6 as necessary.

8 Touch [↵].

NOTE

- Touch [Initialize] and then touch [Yes] to set all the settings to the initial default settings.

Bluetooth

■ About the Bluetooth smartphone and Bluetooth audio player

This unit conforms to the following Bluetooth specifications:

Version

Bluetooth Ver.4.2

Profile

Smartphone/ Cell-phone:

HFP (V1.6) (Hands Free Profile)

PBAP (Phonebook Access Profile)

Audio player:

A2DP (Advanced Audio Distribution Profile)

AVRCP (V1.5) (Audio/Video Remote Control Profile)

Sound codec

SBC

■ About mobile phones compatible with Phone book Access Profile (PBAP)

If your mobile phone supports PBAP, you can display the following items on the touch panel screen when the mobile phone is connected.

- Phone book (up to 1000 entries)
- Dialed calls, received calls, and missed calls (up to 50 entries in total)

Register your smartphone to the unit

You can use your Bluetooth smartphone when paired to this unit.

You can register up to 8 Bluetooth devices.

- You can pair the device and the unit using SSP (Secure Simple Pairing) which only requires confirmation.
- One device can be connected at a time.
- When you register a new Bluetooth device, disconnect the Bluetooth device currently connected and then register the new device.
- A new device cannot be registered if there are 8 registered Bluetooth units. Delete unnecessary registration. **(P.14)**

1 Turn on the Bluetooth function on your smartphone/cell-phone.

2 Search the unit ("KW-M150BT") from your smartphone/cell-phone.

If a PIN code is required, enter the PIN code ("0000").

-  appears when the Bluetooth smartphone is connected.

■ Disconnecting the device

- Turn off the Bluetooth function from your smartphone/cell-phone.
- Turn off the ignition switch.

Bluetooth Setup

1 Press the button.

2 Touch [Setting].

3 Touch [Bluetooth].

4 Touch the corresponding key and set the value.

[Select Device]

Connect the Bluetooth device.

[Phone Auto Answer]

Set the automatic response time to pick-up an incoming call.

"OFF" (Default) / "ON"

[Device Name]

The Bluetooth device name of this unit is displayed.

[Pin Code]

Displays the PIN code.

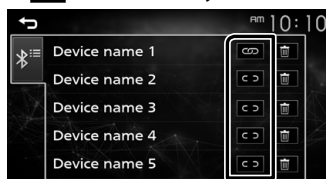
[Device address]

Displays the device address.

■ Connect the Bluetooth device

1 Touch [Select Device] on the Bluetooth Setup screen.

2 Touch [] of the device you want to connect.



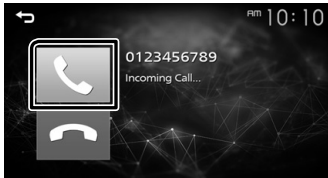
To delete the registered Bluetooth device

1 Touch [] on the Select Device screen.

Bluetooth

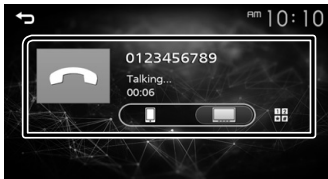
Receive a phone call

1 Touch [Phone].



- [X]: Reject an incoming call.

Operations during a call



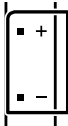
[Phone] Ending a call

You can send tones by touching desired keys on the screen.

- Touch [Phone] to close the window.

Switches the speaking voice output between smartphone/cell-phone and speaker.

- **Adjust the receiver volume**
Press the <+> or <-> button.



Make a phone call

1 Press the <Home> button.

2 Touch [Phone].

3 See the table below for each operation method.

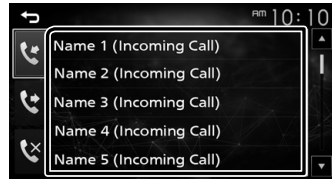


Call by entering a phone number

- 1) Enter a phone number with number keys.
- 2) Touch [Phone].
Make a call
- Touch [X] to delete the last entry.

Call using call records

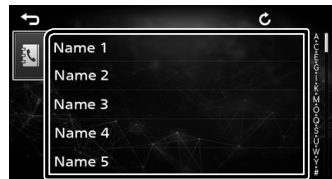
- 1) Touch [Phone].
- 2) Touch [Phone] (Incoming Calls), [Phone] (Outgoing Calls), [Phone] (Missed Calls).
- 3) Select the phone number from the list.



Make a call

Call using the phonebook

- 1) Touch [Phone].
- 2) Select the name from the list.



Make a call

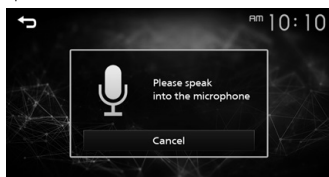
- [Phone]: Updates the phonebook. Touch this button after you have made a change to the phonebook of your smartphone/cell-phone.

Bluetooth

Call by voice

You can make a voice call using the voice recognition function of the Bluetooth smartphone.

- 1) Touch [🗣️].
- 2) Say the name registered in the Bluetooth smartphone.



- Touch [Cancel] to cancel voice dialing.

Playing Bluetooth Audio Device

- 1 Press the <🏠> button.

- 2 Touch [BT Audio].

Source control screen



- 1 Displays the information of the current file.

- 2 Playing time/File number

Play time bar : For confirmation of current playing position.

- 3 [⏮️]: Selects Random playback mode.

⏮️: Randomly plays all files.

⏮️: Random off

- [🔄]: Selects Repeat playback mode.

🔄: Repeats all files.

🔄: Repeats the current file.

🔄: Repeat off

- [▶️], [⏸️]: Plays or pauses.

- [⏮️], [⏭️]: Searches the previous/next content.

Touch and hold to fast forward or fast backward.

- [🔍]: Searches file. (P.16)

- 4 [⏪]: Returns to previous screen.

- [🔊]: Displays the Audio screen. (P.17)

- [🗣️]: Displays the Voice Recognition screen.*

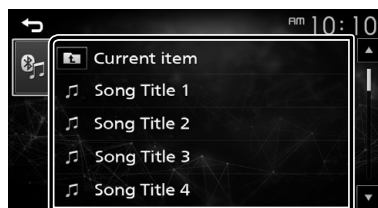
NOTE

- Operations and display indications may differ according to their availability on the connected device.
- * You can access the voice recognition function of the Bluetooth smartphone connected to this unit. (The functionality depends on the Bluetooth smartphone.)

Selecting a content in a list

- 1 Touch [Q].

- 2 Touch desired item.



When you touch a category its contents are displayed.

- 3 Touch desired item from the content list.

Playback starts.

- Touch [⏮️] to moves to the upper hierarchy.

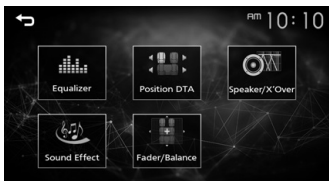
NOTE

- The source control screen appears when you touch [⏮️] at the top hierarchy.

Controlling Audio

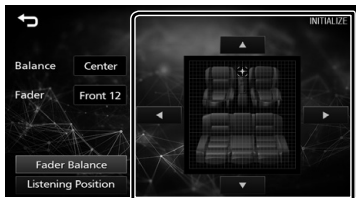
You can adjust various settings such as audio balance or subwoofer level.

- 1 Press the <EQ> button.
- 2 See the below for each operation method.



Controlling General Audio

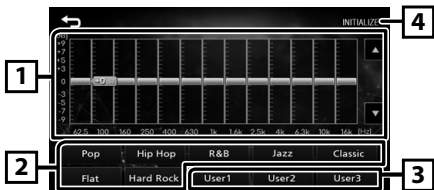
- 1 Press the <EQ> button.
- 2 Touch [Fader / Balance].
- 3 Set each item as follows.



[Fader Balance]	
Balance [▶][◀]	Adjust the left and right volume balance. 15 (right) to 15 (left)
Fader [▲][▼]	Adjust the front and rear volume balance. 15 (front) to 15 (rear)
[INITIALIZE]	To clear the adjustment.
[Listening Position]	
[●]	Select a listening position from "Front Left", "Front All", "Front Right", and "Middle".
[INITIALIZE]	To clear the adjustment.

Equalizer Control

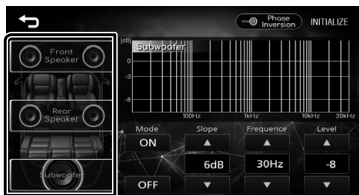
- 1 Press the <EQ> button.
- 2 Touch [Equalizer].
- 3 Set each item as follows.



- 1 You can select frequency bar and adjust its level.
-9 to +9)
 - The adjustments are stored.
- 2 To recall the preset equalizer curve.
- 3 Recalls the memorized EQ curve.
- 4 Initialize the current EQ curve.

Speaker / X'Over setup

- 1 Press the <EQ> button.
- 2 Touch [Speaker / X'Over].
- 3 Touch the speaker to set up.

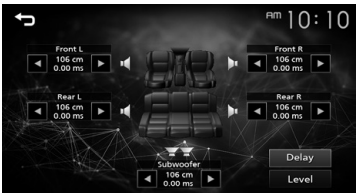


4 Set each item as follows.	
Mode [OFF], [ON]	[ON] : Filter adjustment. [OFF] : Turns off the filter.
Slope [▲][▼]	Set a crossover slope.
Frequency [▲][▼]	<ul style="list-style-type: none">• High Pass Filter adjustment. (When Front or Rear is selected)• Low Pass Filter adjustment. (When Subwoofer is selected)
Level [▲][▼]	Adjust the gain of the front speaker, rear speaker, or subwoofer.
Phase Inversion	Set the phase of subwoofer output. [●] to shift the phase 180 degrees. (When Subwoofer is selected)
[INITIALIZE]	To clear the adjustment.

Controlling Audio

Listening Position / DTA

- 1 Press the <EQ> button.
- 2 Touch [Position / DTA].
- 3 Touch [Delay].
- 4 Touch [◀] or [▶] to adjust the delay time of the selected speaker.



- 5 Touch [Level].
- 6 Touch [◀] or [▶] to adjust the sound level of the selected speaker.

Sound Effect

- 1 Press the <EQ> button.
- 2 Touch [Sound Effect].
- 3 Set each item as follows.



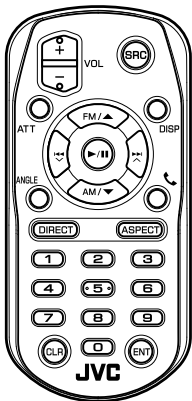
Bass Boost [OFF], [1], [2], [3]	Set the amount of bass boost
Loudness [OFF], [ON]	Set the amount of boost of low and high tones.
[INITIALIZE]	To clear the adjustment.

Remote control

This unit can be operated using the remote control. The remote control RM-RK258 (optional accessory) can be used.

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).



SRC	Switches to the source to be played.
VOL + -	Adjusts the volume.
ATT	Mutes/restores the sound
DISP	Not used.
FM/▲ AM/▼	During tuner source, select FM/ AM band to be received.
◀◀ ◻	Selects the track or file to be played.
▶▶ ◻	During tuner source, switches to broadcast stations received by the unit.
ANGLE	Not used.
☎	When a call comes in, answers the call.
DIRECT	Not used.
ASPECT	Not used.
Numeric Keypad	Not used.
CLR	Clears the telephone number input on the Phone screen.
ENT	Not used.

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

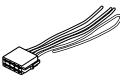

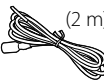



- Mounting and wiring this product requires skills and experience. For best safety, leave the mounting and wiring work to professionals.
- Make sure to ground the unit to a negative 12V DC power supply.
- Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also 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 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.
- 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 \ominus 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 \oplus connector of the left speaker to a front output terminal, do not connect the \ominus 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.
- Mount the unit so that the mounting angle is 30° or less.
- 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.



Installation

■ Supplied accessories for installation

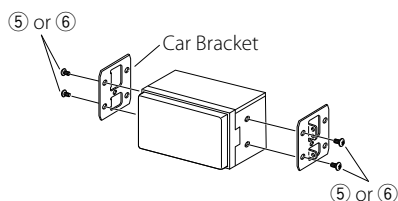
①		x1
②		x1
③	 (2 m)	x1
④	 (3 m)	x1
⑤		x6
⑥		x6

■ 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.

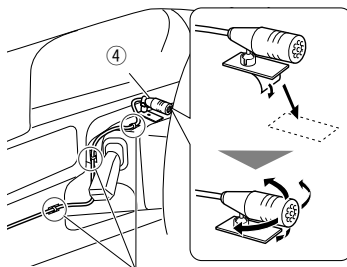
Installing the unit

■ Japanese cars (North America, South America sales area only)



■ Microphone unit

- 1) Check the installation position of the microphone (accessory ④).
- 2) Clean the installation surface.
- 3) Remove the separator of the microphone (accessory ④), 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 ④) to the driver.



Fix a cable with a commercial item of tape.

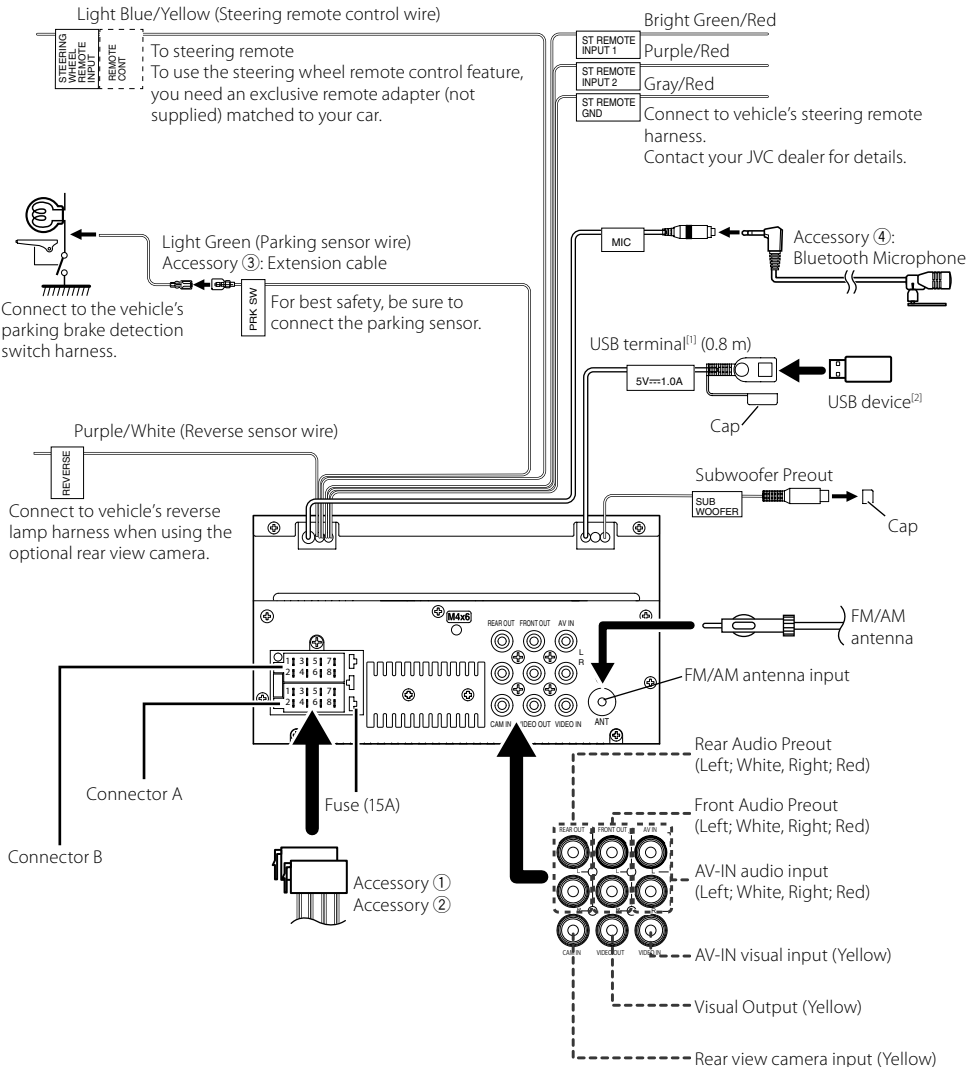
NOTE

- Swap the clips if necessary.



Installation

■ Connecting wires to terminals

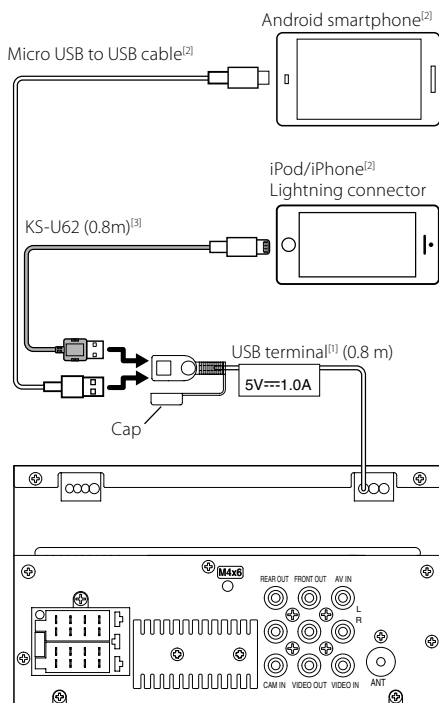
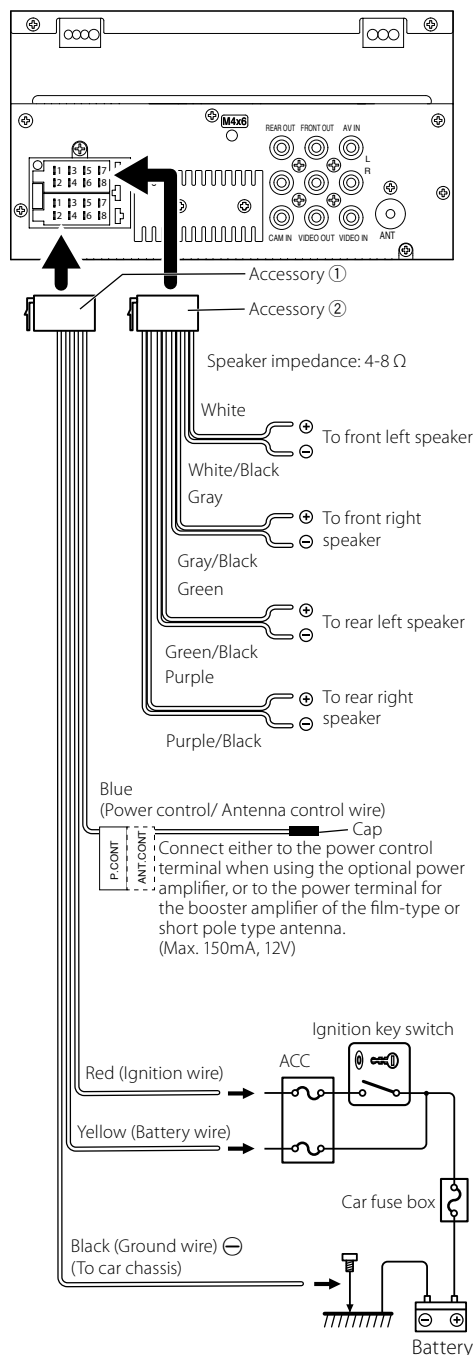


^[1] USB maximum power supply current :
DC 5 V \pm 1.0 A

^[2] Sold separately

Installation

■ Connecting an iPod/iPhone/Android



^[1] USB maximum power supply current :

DC 5 V --- 1.0 A

^[2] Sold separately

^[3] Optional accessory

About this Unit

More information

■ Playable Audio files

Audio format	Bit rate/ (Bit count)	Sampling frequency
MP3 (.mp3)	16 – 320kbps, VBR	16 – 48 kHz
WMA (.wma)	16 – 320kbps	16 – 48 kHz
AAC-LC (.m4a, .aac)	16 – 320kbps	16 – 48 kHz
Linear PCM (WAVE) (.wav)	(16/24 bit)	8 – 192 kHz
FLAC (.flac)	(16/24 bit)	8 – 192 kHz
Vorbis (.ogg)	(16/24 bit)	8 – 192 kHz

- This unit can show ID3 Tag Version 1.0/1.1/2.2/2.3/2.4 (for MP3).
- The maximum number of characters:
 - Tag : 70 characters

🔧 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

Video format	Video codec	Audio codec
MPEG-1 (.mpg, .mpeg)	MPEG-1	MPEG Audio Layer 2
MPEG-2 (.mpg, .mpeg)	MPEG-2	MPEG Audio Layer 2
MPEG-4 (.mp4, .avi)	MPEG-4 (SP,ASP)	MP3, AAC-LC (2ch)
H.264/MPEG-4 AVC (.mp4, .mkv, .avi, .flv, .f4v, .ts)	H.264/MPG-4 AVC (BP/MP/HP)	MP3, AAC (2ch)
MKV (.mkv)	Video Format follows H.264/ MPEG-4 AVC, MPEG4, XVID	MP3, AAC, Vorbis, FLAC

Troubleshooting

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

- For operations with the external components, refer also to the instructions supplied with the adapters used for the connections (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.

The unit does not work at all.

- Reset the unit. (P.2)

The remote controller does not work.

- Replace the battery.

■ USB

While playing a track, sound is sometimes interrupted.

- The tracks are not properly copied into the USB device. Copy the tracks again, and try again.

■ iPod/iPhone

No sound comes out of the speakers.

- Disconnect the iPod/iPhone, then connect it again.
- Select another source, then reselect "iPod".

The iPod/iPhone does not turn on or does not work.

- Check the connecting cable and its connection.
- Update the firmware version of iPod/iPhone.
- Charge the battery of iPod/iPhone.
- Reset the iPod/iPhone.

Sound is distorted.

- Deactivate the equalizer either on this unit or the iPod/iPhone.

A lot of noise is generated.

- Turn off (uncheck) "VoiceOver" on the iPod/iPhone. For details, visit <<http://www.apple.com>>.

■ Tuner

Automatic presetting does not work.

- Store stations manually. (P.6)

Static noise while listening to the radio.

- Connect the antenna firmly.

About this Unit

■ AV-IN

No picture appears on the screen.

- Turn on the video component if it is not on.
- Connect the video component correctly.

■ Bluetooth

Phone sound quality is poor.

- 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.

The sound is interrupted or skipped while using a Bluetooth audio player.

- Reduce the distance between the unit and the Bluetooth audio player.
- 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).

The Bluetooth device does not detect the unit.

- Search from the Bluetooth device again.

The unit does not pair with the Bluetooth device.

- Turn off, then turn on the Bluetooth device.
 - Disconnect the Bluetooth device currently connected and then register the new device.
- (P.14)**

Specifications

■ Monitor section

Picture Size

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

Display System

: Transparent 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 interface section

USB Standard

: USB 2.0 High Speed


Compatible Devices

: Mass storage class

File System

: FAT 16/ 32 / NTFS

Maximum Power Supply Current

: DC 5 V  1 A

D/A Converter

: 24 Bit

Audio Decoder

: MP3/ WMA/ WAV/ AAC/ FLAC

Video Decoder

: MPEG1/ MPEG2/ MPEG4/ H.264/ MKV

Frequency Response

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

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

Bluetooth section

Technology

: Bluetooth Ver.4.2

Frequency

: 2.402 – 2.480 GHz

Output Power

: +8 dBm (AVE), Power Class1

Maximum Communication range

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

Audio Codec

: SBC

Profile (Multi Profile support)

- HFP (V1.6) (Hands Free Profile)
- A2DP (Advanced Audio Distribution Profile)
- AVRCP (V1.5) (Audio/Video Remote Control Profile)
- PBAP (Phonebook Access Profile)
- SPP (Serial Port Profile)

FM tuner section

Frequency Range (step)

: 87.5 MHz – 108.0 MHz (50 kHz)

Usable Sensitivity

: 16.2 dBf

: 1.8 μ V/75 Ω (S/N : 30 dB)

Frequency Response

: 30 Hz – 14 kHz

S/N Ratio (dB)

: 50 dB (MONO)

Stereo Separation

: 35 dB (1 kHz)

AM tuner section

Frequency Range (step)

: 531 – 1611 kHz (9 kHz)

Usable Sensitivity

: 99 μ V (40 dB μ)

Video section

Color System of External Video Input

: NTSC/PAL

External Video Input Level (RCA jacks)

: 1 Vp-p/ 75 Ω

External Video Input Level (RCA jacks, AV-IN)

: 1 Vp-p/ 75 Ω

External Audio Max Input Level (RCA jacks, AV-IN)

: 1.5 V/ 25 k Ω

Video Output Level (RCA jacks)

: 1 Vp-p/ 75 Ω

Audio section

Maximum Power (Front & Rear)

: 45 W \times 4

Full Bandwidth Power (Front & Rear)

Full Bandwidth Power (at less than 1% THD)

: 16 W \times 4

Preout Level (V)

: 2 V/ 10 k Ω

Preout Impedance

: 1.4 k Ω

Speaker Impedance

: 4 – 8 Ω

Equalizer

: 13 Band

Band

Frequency: 62.5/100/160/250/400/630/1k/1.6k/2.5k/
4k/6.3k/10k/16k Hz

Level: -9 – +9

HPF

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

LPF

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

General

Operating Voltage

: 12V DC car battery

Installation Dimensions (W \times H \times D)

: 178 \times 100 \times 75 mm (Main Unit Installation size)

Weight

: 1.1 kg

About this Unit

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About this Unit



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 KENWOOD Corporation
3-12, Moriyacho, Kanagawa-ku, Yokohama-shi, Kanagawa
221-0022, JAPAN

EU Representative:

JVCKENWOOD Europe B.V.
Amsterdamseweg 37, 1422 AC UITHOORN, THE
NETHERLANDS

**2014/53/EU RE Direktifi ile Uyumluluk Beyanı
RoHS Direktifi 2011/65/EU için Uyum Beyanı**

Üretici:

JVC KENWOOD Corporation
3-12, Moriyacho, Kanagawa-ku, Yokohama-shi, Kanagawa
221-0022, JAPONYA

AB Temsilcisi:

JVCKENWOOD Europe B.V.
Amsterdamseweg 37, 1422 AC UITHOORN, HOLLANDA

English

Hereby, JVC KENWOOD declares that the radio equipment KW-M150BT is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

Türkçe

Burada, JVC KENWOOD KW-M150BT radyo ekipmanının 2014/53/AB Direktifine uygun olduğunu bildirir. AB uyumluluk deklarasyonunun tam metni aşağıdaki internet adresinde mevcuttur.

URL: <http://www.jvc.net/cs/car/eudoc/>

■ For Turkey

Bu ürün 28300 sayılı Resmi Gazete'de yayımlanan Atık Elektrikli ve Elektronik Eşyaların Kontrolü Yönetmeliğe uygun olarak üretilmiştir.

■ Eski Elektrik ve Elektronik Ekipmanların

İmha Edilmesi Hakkında Bilgi (ayrı atık toplama sistemlerini kullanan ülkeleri için uygulanabilir)



Sembollü (üzerinde çarpı işareti olan çöp kutusu) ürünler ev atıkları olarak atılamaz.

Eski elektrik ve elektronik ekipmanlar, bu ürünleri ve ürün atıklarını geri dönüştürebilecek bir tesiste değerlendirilmelidir. Yaşadığınız bölgeye en yakın geri dönüşüm tesisinin yerini öğrenmek için yerel makamlara müracaat edin. Uygun geri dönüşüm ve atık imha yöntemi sağlığımız ve çevremiz üzerindeki zararlı etkileri önlerken kaynakların korunmasına da yardımcı olacaktır.

■ מידע בדבר השלכה לאשפה של ציוד חשמלי

ואלקטרוני ישן וכן סוללות (רלוונטי למדינות

שמשמשות במערכת איסוף אשפה מופרדת).

לא ניתן להשליך מוצרים וסוללות עם הסימון (פח אשפה עם X עליו) כאשפה ביתית רגילה.

יש למחזר ציוד חשמלי, ואלקטרוני ישן וכן סוללות במתקן המסוגל לטפל בפרטים כאלה ובתוצרי הלוואי שלהם.

צרו קשר עם הרשות המקומית לקבלת פרטים אודות מתקן המיחזור הקרוב אליכם. מיחזור והשלכה לאשפה נאותים יעזרו לשמר משאבים ולמנוע השפעות שליליות על בריאותנו ועל הסביבה.

שימו לב: הסימון Pb שמתחת לסימון עבור סוללות מצוין שהסוללה מכילה עופרת.



Pb

JVC