

# JVC



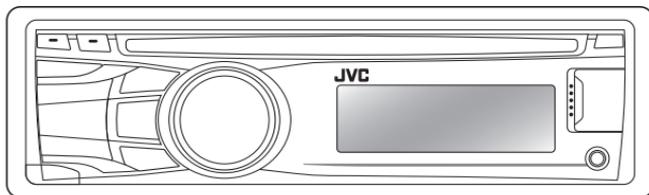
ENGLISH

FRANÇAIS

DEUTSCH

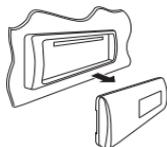
## KD-DB52/KD-DB42

CD RECEIVER / RÉCEPTEUR CD / CD-RECEIVER



COMPACT  
**disc**  
DIGITAL AUDIO  
TEXT

**MP3 WMA AAC**



**DAB+**  
Digital Audio Broadcasting

**Radio Data System**

Only for KD-DB52/  
Uniquement pour le KD-DB52/  
Nur bei KD-DB52:

Made for



iPod



iPhone

For canceling the display demonstration, see page 4./

Pour annuler la démonstration des affichages, référez-vous à la page 4./

Zum Abbrechen der Displaydemonstration siehe page 4.

For installation and connections, refer to the separate manual.

Pour l'installation et les raccordements, se référer au manuel séparé.

Für den Einbau und die Anschlüsse siehe das eigenständige Handbuch.

# INSTRUCTIONS MANUEL D'INSTRUCTIONS BEDIENUNGSANLEITUNG

LVT2221-001A

[E]

Thank you for purchasing a JVC product.

Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

## **IMPORTANT FOR LASER PRODUCTS**

### 1. CLASS 1 LASER PRODUCT

2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.

3. **CAUTION:** Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.

### 4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

CAUTION VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. E80000-1200 EN60825-1	ATTENTION RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M LORS QU'ON OUVRE LE COUVERCLE. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. EN60825-1 FRN	AVISO RADIACION LASER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTA ABRERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTOS OPTICOS. EN60825-1 ESP	VARNING SYNLIG OCH/ELLER OJFÄRLIG LÅSERSÄLLNING KLASS 1M NÄR DÖRRN ÄR ÖPPNAD. BETRYKTA EJ FÖRSTÄRK MED OPTISKA INSTRUMENT. EN60825-1 SWE	注意 レーザー光や赤外線 放射が、開いた状態 で発生します。直視 しないでください。 光学器具を使用して 直視しないでください。 EN60825-1 JPN	CAUTION VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. EN60825-1 KOR
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## **Products**

### **Information for Users on Disposal of Old Equipment and Batteries**

#### **[European Union only]**

These symbols indicate that the product and the battery with this symbol should not be disposed as general household waste at its end-of-life.

If you wish to dispose of this product and the battery, please do so in accordance with applicable national legislation or other rules in your country and municipality.

By disposing of this product correctly, you will help to conserve natural resources and will help prevent potential negative effects on the environment and human health.

#### **Notice:**

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

## **Warning:**

Stop the car before operating the unit.

## **Caution:**

Adjust the volume so that you can hear sounds outside the car. Driving with the volume too high may cause an accident.

Avoid using the USB device or iPod/iPhone if it might hinder driving safety.

## **Caution on volume setting:**

Digital devices (CD/USB) produce very little noise compared with other source. Lower the volume before playing these digital sources to avoid damaging the speakers by the sudden increase of the output level.

## **Temperature inside the car:**

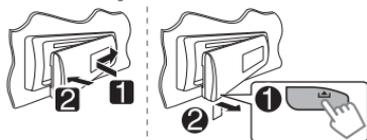
If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

## **Condensation:**

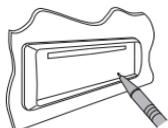
When the car is air-conditioned, moisture may collect on the laser lens. This may cause disc read errors. In this case, remove the disc and wait for the moisture to evaporate.

JVC bears no responsibility for any loss of data in iPod/iPhone and/or USB mass storage class device while using this system.

## ■ How to attach/detach the control panel



## ■ How to reset your unit



Your preset adjustments will also be erased.

## ■ How to forcibly eject a disc



- Be careful not to drop the disc when it ejects.
- If this does not work, reset your unit.

## ■ Maintenance

### Cleaning the unit

Wipe off the dirt on the panel with a dry silicon or soft cloth. Failure to observe this precaution may result in damage to the unit.

### Cleaning the connector

Wipe off dirt on the connector of the unit and panel. Use a cotton swab or cloth.

## ■ Contents

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## How to read this manual:

- This manual mainly explains operations using the buttons on the control panel.
- < > indicates the displays on the control panel.

# Preparation

## ■ Canceling the display demonstration

The main features of the unit are scrolled on the display automatically if no operation is done for about 20 seconds. You can cancel this function as follows.

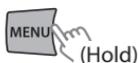
- 1 Turn on the power.



- 4 Select <DEMO OFF>.



- 2



- 5



- 3



- 6 Complete the procedure.

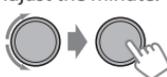


## ■ Setting the clock

- 1



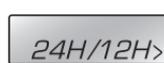
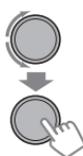
- 5 Adjust the minute.



- 2 Select <CLOCK>.



- 6 Select <24H/12H>.



- 3 Select <CLOCK SET>.



- 7 Select <24 HOUR> or <12 HOUR>.



- 4 Adjust the hour.



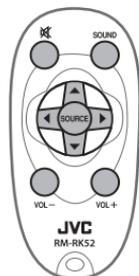
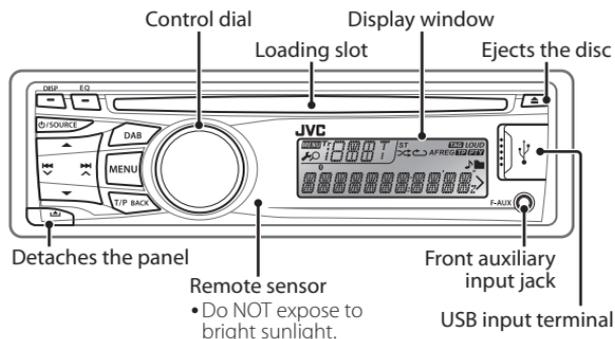
- 8 Complete the procedure.



# Basic operations

## Control panel

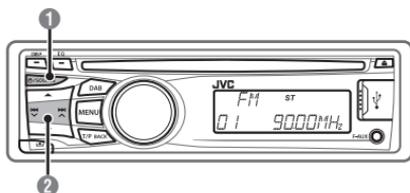
## Remote controller (KD-DB52 only)



## When you press or hold the following button(s)...

Control panel	Remote controller	General function
/SOURCE	-	<ul style="list-style-type: none"> <li>• Turn on.</li> <li>• Turn off. (Hold)</li> </ul>
	<b>SOURCE</b>	Select the sources. "CD" or "USB" is selectable only when a disc is loaded or a USB device is connected.
Control dial (turn)	<b>VOL - / +</b>	Adjusts the volume level.
	-	Selects items.
Control dial (press)		<ul style="list-style-type: none"> <li>• Attenuates the sound. If the source is "CD" or "USB/USB-IPOD" playback pauses.</li> <li>• Press the button again to cancel attenuating or resume playback.</li> </ul>
	-	Confirms selection.
<b>DAB</b>	-	<ul style="list-style-type: none"> <li>• Enters DAB mode. (☞ page 8)</li> <li>• Enters DAB SORTING mode. (Hold) (☞ page 8)</li> <li>• Displays DAB services.</li> </ul>
<b>EQ</b>	<b>SOUND</b>	<ul style="list-style-type: none"> <li>• Selects the preset sound mode.</li> <li>• Hold the <b>EQ</b> button on the control panel to enter tone level adjustment directly. (☞ page 15)</li> </ul>
<b>DISP</b>	-	<ul style="list-style-type: none"> <li>• Changes the display information.</li> <li>• Scrolls the display information. (Hold)</li> </ul>
<b>T/P BACK</b>	-	<ul style="list-style-type: none"> <li>• Activates/deactivates TA Standby Reception. (☞ page 7)</li> <li>• Enters PTY Search mode. (Hold) (☞ page 7)</li> <li>• Selects the controlling terminal of an iPod/iPhone. (Hold) (KD-DB52 only) (☞ page 12)</li> <li>• Returns to the previous menu.</li> <li>• Exit from the menu. (Hold)</li> </ul>
		<ul style="list-style-type: none"> <li>• Selects tuner preset stations.</li> <li>• Selects audio folder.</li> </ul>
		<ul style="list-style-type: none"> <li>• Tuner Auto / Manual search (Hold)</li> <li>• Selects track / Fast-forwards or reverses track. (Hold)</li> </ul>

# Listening to the radio



"ST" lights up when receiving an FM stereo broadcast with sufficient signal strength.

## Storing stations in memory

### Manual presetting (FM/AM)

You can preset up to 18 stations for FM and 6 stations for AM.

While listening to a station...



"PRESET MODE" flashes.

### 2 Select preset number.



The preset number flashes and "MEMORY" appears.

### Auto presetting (FM only)

### SSM (Strong-station Sequential Memory)

You can preset up to 18 FM stations.



"SSM" flashes. When all the stations are stored, "SSM" stops flashing.

To preset <SSM 07 - 12>/<SSM 13 - 18>, repeat steps 1 and 2.

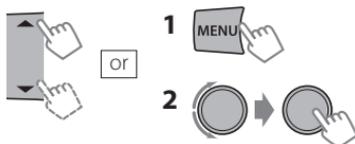
## Searching for stations

1 Select <FM> or <AM>.

2 Auto search. (Press)  
Manual search. (Hold)

"M" flashes, then press the button repeatedly.

## Selecting a preset station



## Improving the FM reception



• Reception improves, but stereo effect will be lost.

To restore the stereo effect, repeat the same procedure to select <MONO OFF>.

## Changing display information



(for non-Radio Data System station)

Frequency ↔ Clock

(for FM Radio Data System station)

Station name (PS) → Frequency → Programme type (PTY) → Clock → (back to the beginning)

The following features are available only for FM Radio Data System stations.

## ■ Searching for your favorite Programmes—Programme Type (PTY) Search



2 Select a PTY code.



PTY Search starts.

If there is a station broadcasting a programme of the same PTY code as you have selected, that station is tuned in.

### PTY codes

NEWS, AFFAIRS, INFO, SPORT, EDUCATE, DRAMA, CULTURE, SCIENCE, VARIED, POP M (music), ROCK M (music), EASY M (music), LIGHT M (music), CLASSICS, OTHER M (music), WEATHER, FINANCE, CHILDREN, SOCIAL, RELIGION, PHONE IN, TRAVEL, LEISURE, JAZZ, COUNTRY, NATION M (music), OLDIES, FOLK M (music), DOCUMENT

## ■ Automatic station selection—Programme Search

If the signals from the preset FM Radio Data System station are not sufficient for good reception, this unit uses the AF data to tune in to another station broadcasting the same programme as the original preset station. <P-SEARCH> (page 19)

## ■ Activating TA/News Standby Reception

Standby Reception allows the unit to switch temporarily to Traffic Announcement (TA) or NEWS programme from any source other than AM.

### TA Standby Reception



TP indicator	TA Standby Reception
Lights up	The unit will temporarily switch to Traffic Announcement (TA) if available.
Flashes	Not yet activated. Tune in to another station providing the Radio Data System signals.

- To deactivate, press **T/P BACK** again.

### NEWS Standby Reception



The unit will temporarily switch to News Programme if available.

- The volume adjustment for Traffic Announcement or News is automatically memorized. It will be applied the next time the unit switches to Traffic Announcement or News.

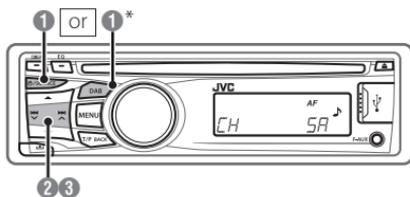
## ■ Tracking the same programme—Network-Tracking Reception

When driving in an area where FM reception is not sufficient enough, this unit automatically tunes in to another FM Radio Data System station of the same network, possibly broadcasting the same programme with stronger signals.



AF-ON	Switches to another station. The programme may differ from the one currently received (the AF indicator lights up).
AF-REG ON	Switches to another station broadcasting the same programme (the AF and REG indicators light up).

# Listening to the Digital Audio Broadcasting (DAB)



## ■ Searching for a service

1 Select <DAB>.

\* Usable only when switching from other sources.

2 Start searching for an ensemble.

- Auto search. (Press)
- Manual search. (Hold)

"M" flashes, then press the button repeatedly.

When an ensemble is received, searching stops.

- To stop searching, press the same button again.

3 Select a service (either primary or secondary) to listen to.

## ■ Searching for a service in alphabetical order—Alphabet Search

1 Press and hold to start DAB sorting.



"DAB SORTING" appears.

"DAB SORTING" disappears when sorting is complete.

2 Press to display the services.

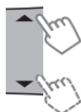


The services appear in alphabetical order.

- "LIST EMPTY" appears if there is no service.

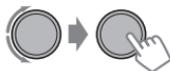
3 Select the desired character.

- A to Z Search



- Skip this step if not many services are available.

4 Select the desired service.



## ■ Storing DAB services in memory

You can preset up to 18 DAB services.

While listening to a service...

1 (Hold)

"PRESET MODE" flashes.

2 Select preset number.



The preset number flashes and "MEMORY" appears.

## ■ Selecting a preset DAB service



1 MENU

2 PRESET MODE

## Tracking the same programme —Alternative Frequency (AF) Reception

- 1  (Hold)
- 2  →<TUNER>  
→<DAB AF>

AF-ON	Traces the programme among DAB services and FM Radio Data System stations.
AF OFF	Cancels.

- Alternative Frequency Reception is activated in the default factory setting.

## Searching for your favorite Programmes—Programme Type (PTY) Search

(page 7)

## Activating Standby Reception Programme Type Standby (PTY-STBY) Reception

- 1  (Hold)
- 2  →<TUNER>  
→<PTY-STBY>

### 3 Select your favorite PTY code.

“PTY” flashes and PTY-STBY is activated. If there is a service providing the programme of the same PTY code as you have selected, the unit automatically switches to DAB and tunes in to that programme. (Only when the current source is other than DAB.)

### TA Standby Reception

TA Standby Reception allows the unit to switch temporarily to Traffic Announcement (TA) from any source.

(page 7)

## Changing display information

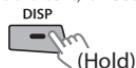


Service name\* → Ensemble name → Channel number → Frequency → Programme type (PTY) → Dynamic Label Segment (DLS) → Digital Radio Type/Audio Bit Rate → Clock → (back to the beginning)

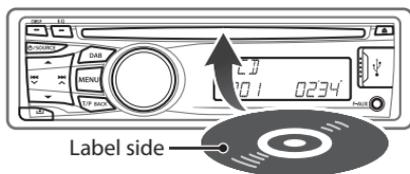
- \* “NO SIGNAL” appears if there is no information.
- Some information are skipped if there is no information.

## Displaying the radio text information

When “” indicator lights on the display, you can check the Dynamic Label Segment (DLS : DAB radio text) directly.



# Listening to a disc



## ■ Playing a disc

The source changes to "CD" and playback starts. All tracks will be played repeatedly until you change the source or eject the disc.

## To eject a disc



- If the ejected disc is not removed within 15 seconds, it will automatically reload into the loading slot.
- If the disc cannot be ejected, see page 3.

## ■ Selecting a folder/track



Selects folder.  
(MP3/WMA/AAC only)



- Selects track. (press)
- Fast-forwards or reverses the track. (Hold)

## ■ Selecting a track/folder from the list



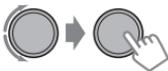
The current folder name/track no. appears.

### 2 Select a folder. (MP3/WMA/AAC only)



The current track title appears.

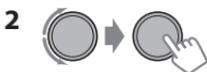
### 3 Select a track.



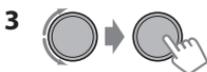
- If the disc contains many folders or tracks, you can fast search for desired folder or track by turning the control dial quickly. (MP3/WMA/AAC only)

## ■ Selecting the playback modes

You can select one of the following playback modes at a time.



⇌ <REPEAT> ⇌ <RANDOM>



### REPEAT ↺

TRACK RPT	Repeats current track.
FOLDER RPT	Repeats current folder. (MP3/WMA/AAC only)
RPT OFF	Cancels repeat playback.

### RANDOM ⇄

FOLDER RND	Randomly plays all tracks of current folder, then tracks of next folders. (MP3/WMA/AAC only)
ALL RND	Randomly plays all tracks.
RND OFF	Cancels random playback.

## Changing display information

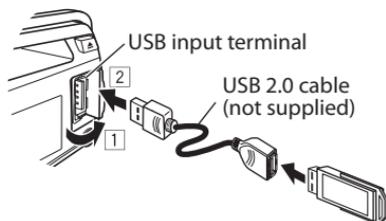


Track no./Playing time → Track no./Clock time → Album title/Artist\* → Track title\* → (back to the beginning)

\* "NO NAME" appears for conventional CDs or if not recorded.

## Listening to a USB device

### ■ Playing a USB device



The source changes to "USB" and playback starts.

- This unit can play MP3/WMA/AAC files stored in a USB mass storage device (such as a USB memory, Digital Audio Player, etc.).

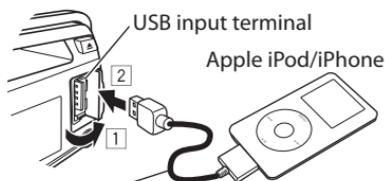
You can operate the USB device in the same way you operate the files on a disc. (page 10)

### **Cautions**

- Make sure all important data has been backed up.
- Do not pull out and attach the USB device repeatedly while "READING" is shown on the display.
- Electrostatic shock at connecting a USB device may cause abnormal playback of the device. In this case, disconnect the USB device then reset this unit and the USB device.
- Do not leave a USB device in the car, expose to direct sunlight, or high temperature. Failure to do so may result in deformation or cause damages to the device.
- For more details about USB operation, page 21.

## Listening to an iPod/iPhone (KD-DB52 only)

### ■ Playing an iPod/iPhone



USB 2.0 cable  
(accessory of the iPod/iPhone)

The source changes to "USB" and playback starts.

- iPod/iPhone that can be connected to this unit:
  - iPod touch (4th generation)
  - iPod touch (3rd generation)
  - iPod touch (2nd generation)
  - iPod touch (1st generation)
  - iPod classic
  - iPod with video (5th generation)\*
  - iPod nano (6th generation)
  - iPod nano (5th generation)
  - iPod nano (4th generation)
  - iPod nano (3rd generation)
  - iPod nano (2nd generation)
  - iPod nano (1st generation)\*
  - iPhone 4
  - iPhone 3GS
  - iPhone 3G
  - iPhone
- \*<IPOD MODE/EXT MODE> are not applicable.
- It is not possible to browse video files on the "Videos" menu in <HEAD MODE>.
- The song order displayed on the selection menu of this unit may differ from that of the iPod.
- When operating an iPod/iPhone, some operations may not be performed correctly or as intended. In this case, visit the following JVC web site:  
<<http://www.jvc.co.jp/english/car/index.html>> (English website only).

## Selecting the control terminal —IPOD SWITCH



⇨ <USB-IPOD HEAD MODE/IPOD MODE/EXT MODE>

HEAD MODE	Controls iPod playback through this unit.
IPOD MODE	Controls iPod playback from the iPod/iPhone.
EXT MODE	Allows any audio signals from iPod/iPhone. The display always shows "EXT MODE".

- You can also change the setting using <IPOD SWITCH> in the menu.

## Selecting a track

Applicable under <HEAD MODE/IPODMODE> only.



- Selects track/chapter. (Press)
- Fast-forwards or reverses the track. (Hold)

## Selecting a track from the menu

Applicable under <HEAD MODE> only.



### 2 Select the desired menu.



PLAYLISTS ⇄ ARTISTS ⇄ ALBUMS ⇄ SONGS ⇄ POD CASTS ⇄ GENRES ⇄ COMPOSERS ⇄ (back to the beginning)

### 3 Select the desired track.



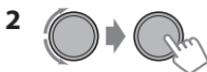
Repeat this step until the desired track is selected.

- If the selected menu contains many tracks, you can fast search for the desired track by turning the control dial quickly.

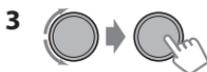
## Selecting the playback modes

You can select one of the following playback modes at a time.

Applicable under <HEAD MODE> only.



⇨ <REPEAT> ⇄ <RANDOM>



### REPEAT ↺

ONE RPT	Functions the same as "Repeat One" of the iPod.
ALL RPT	Functions the same as "Repeat All" of the iPod.

### RANDOM ↻

SONG RND	Functions the same as "Shuffle Songs" of the iPod.
ALBUM RND	Functions the same as "Shuffle Albums" of the iPod.
RND OFF	Cancels random playback.

- "ALBUM RND" is not applicable for some iPod/iPhone.

## Changing display information



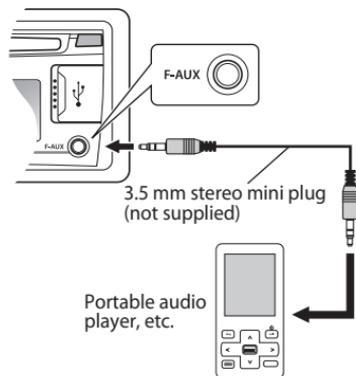
Track no./Playing time → Track no./Clock time → Album title/Artist → Track title → (back to the beginning)

# Listening to other external components

For details, refer also to the instructions supplied with the external components.

## ■ Playing an external component from Front AUX

- 1 Connect to F-AUX on the front panel.



- 2 Select <F-AUX>.

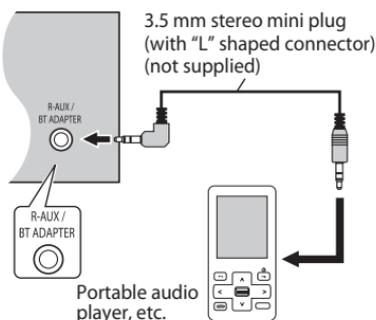
- 3 Turn on the connected component and start playing the source.

### Changing display information



## ■ Playing an external component from Rear AUX

- 1 Connect to R-AUX on the rear panel.



- 2 Set the source.

- 1 (Hold)
- 2 → <SRC SELECT>  
 → <R-AUX>  
 → <R-AUX ON>
- 3

- 3 Select <R-AUX>.

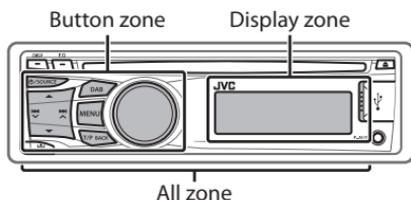
- 4 Turn on the connected component and start playing the source.

### Changing display information



Recommended to use a 3-terminal plug head stereo mini plug for optimum audio output.

# Changing the buttons illumination and display color (KD-DB52 only)



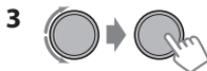
**All zone: Includes both Button zone and Display zone.**

## ■ Selecting the preset color

You can select a preset color for <BUTTON ZONE>, <DISP ZONE>, and <ALL ZONE> separately.



**2** Select <COLOR>.



BUTTON ZONE	COLOR 01-29/USER/COLOR
DISP ZONE	FLOW 01-03*
ALL ZONE	

- Initial color: BUTTON ZONE [06], DISP ZONE [01], ALL ZONE [06].
- If <ALL ZONE> is selected, the button and display illumination will change to the current/selected <BUTTON ZONE> color.

- \* COLOR FLOW 01:  
Color changes every 9 seconds.  
COLOR FLOW 02:  
Color changes every 5 seconds.  
COLOR FLOW 03:  
Color changes every 3 seconds.

## ■ Storing your own color adjustments

You can store your own day and night colors for <BUTTON ZONE> and <DISP ZONE> separately.



**2** Select <COLOR SETUP>.



DAY COLOR	BUTTON ZONE	<ul style="list-style-type: none"> <li>• Select a primary color &lt;RED/GREEN/BLUE&gt;, and then adjust the level &lt;00-31&gt;. Repeat this procedure until you have adjusted all the three primary colors.</li> <li>• Your adjustment is automatically stored to "USER".</li> <li>• If "00" is selected for all the primary colors for &lt;DISP ZONE&gt;, nothing appears on the display.</li> </ul>
	DISP ZONE	
NIGHT COLOR	BUTTON ZONE	
	DISP ZONE	
MENU COLOR	ON	Changes the display and buttons illumination during menu, list search, and playback mode operations.
	OFF	

- NIGHT COLOR/DAY COLOR is changed by turning on/off your car's head light.

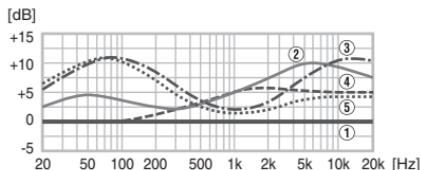
# Adjusting the sound

## ■ Selecting a preset sound mode

You can select a preset sound mode suitable for the music genre.



FLAT → NATURAL → DYNAMIC → VOCAL BOOST → BASS BOOST → USER → (back to the beginning)



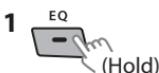
Frequency characteristics of the sounds

① FLAT	Flat for all range.
② NATURAL	High frequency is boosted.
③ DYNAMIC	High and low frequency are boosted.
④ VOCAL BOOST	Mid frequency is boosted.
⑤ BASS BOOST	Low frequency is boosted.

## ■ Storing your own adjustment

### Easy Equalizer

While listening you can adjust the subwoofer level and tone level of the selected sound mode.



### 2 Adjust the level.



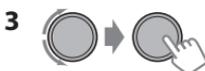
(Initial: **[XX]**)

SUB.W*	00 to 08 <b>[04]</b>
BASS LVL	-06 to +06 <b>[00]</b>
MID LVL	-06 to +06 <b>[00]</b>
TRE LVL	-06 to +06 <b>[00]</b>

The adjustments are stored and <USER> is activated.

\* Available only when <L/O MODE> is set to <SUB.W>.

## Pro Equalizer



Adjust the sound elements of the selected tone.

(Initial: **[XX]**)

### BASS

Frequency	60/[ <b>80</b> ]/100/200 Hz
Level	LVL -06 to +06 <b>[00]</b>
Q	[ <b>Q1.0</b> ]/1.25/1.5/2.0

### MIDDLE

Frequency	0.5/[ <b>1.0</b> ]/1.5/2.5 KHz
Level	LVL -06 to +06 <b>[00]</b>
Q	Q0.75/1.0/[ <b>1.25</b> ]

### TREBLE

Frequency	[ <b>10.0</b> ]/12.5/15.0/17.5 KHz
Level	LVL -06 to +06 <b>[00]</b>
Q	[ <b>Q FIX</b> ]

### 4 Repeat steps 2 and 3 to adjust other tones.

The adjustments are stored and <USER> is activated.

## Using Bluetooth® devices

For Bluetooth operations, it is required to connect the Bluetooth adapter, KS-BTA100 (separately purchased) to the auxiliary input jack (R-AUX/BT ADAPTER) on the rear of the unit. (Refer to Installation/Connection Manual)

- KS-BTA100 is not available in some countries. Please contact your dealer where you purchased this unit.
- For details, refer also to the instructions supplied with the Bluetooth adapter and the Bluetooth device.
- Operations may be different depending on the connected device.

### ■ Preparation

- 1 Register (pair) a Bluetooth device with KS-BTA100.
  - Refer to the instructions manual supplied with KS-BTA100.
- 2 Select <SRC SELECT> → <R-AUX> → <BT ADAPTER>. (Refer to page 19)

### ■ Using the Bluetooth mobile phone

#### KS-BTA100



Microphone

	<b>Adjusting the microphone volume</b> Volume level: High/ Normal (initial)/ Low
	<ul style="list-style-type: none"><li>• <b>Receiving a call</b> When a call comes in...</li><li>• <b>Making a call</b> Making a call to the last connected number from your phone.</li><li>• <b>Switching between hands-free and phone</b> While talking...</li></ul>
	<ul style="list-style-type: none"><li>• <b>Ends/rejects call</b></li><li>• <b>Voice dialing</b> Voice dialing is available only when the connected mobile phone has the voice recognition system.</li></ul>

#### About microphone volume:

- When you turn off the power of the unit, the volume level changes to Normal.

### ■ Using the Bluetooth audio device

- 1 Select "Bluetooth" as the source. (Refer to page 5)

#### KS-BTA100

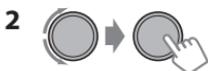


	Starts/pauses playback. <ul style="list-style-type: none"><li>• If playback does not start, operate the Bluetooth audio player to start playback.</li></ul>
	<ul style="list-style-type: none"><li>• Selects track. (Press)</li><li>• Fast-forwards or reverses the track. (Hold)</li></ul>

# Menu operations



If no operation is done for about 60 seconds, the operation will be canceled.



3 Repeat step 2 if necessary.

- To return to the previous menu, press **T/P BACK**.
- To exit from the menu, press **DISP** or **MENU**.

Menu item		Selectable setting (Initial: [XX])
<b>DEMO</b>		For settings,  page 4.
<b>CLOCK</b>	<b>CLOCK SET</b>	For settings,  page 4.
	<b>24H/12H</b>	For settings,  page 4.
	<b>CLOCK ADJ *1</b> (Clock adjustment)	[ <b>AUTO</b> ]: The built-in clock is automatically adjusted using the clock data in the FM Radio Data System signal or DAB signal. [ <b>OFF</b> ]: Cancels.
<b>COLOR</b>		For settings,  page 14. (KD-DB52 only)
<b>COLOR SETUP</b>		For settings,  page 14. (KD-DB52 only)
<b>DIMMER</b>	<b>DIMMER SET</b>	Selects the display and button illumination adjusted in the <BRIGHTNESS>/<COLOR SETUP> setting. [ <b>AUTO</b> ]: Changes between the Day and Night adjustments when you turn off/on the car headlights. *2 [ <b>ON</b> ]: Selects the Night adjustments. [ <b>OFF</b> ]: Selects the Day adjustments.
	<b>BRIGHTNESS</b>	[ <b>DAY [23]</b> / <b>NIGHT [11]</b> ]: Selects the display and button illumination brightness level <b>00-31</b> for day and night.
<b>DISPLAY</b>	<b>SCROLL *3</b>	[ <b>ONCE</b> ]: Scrolls the display information once. [ <b>AUTO</b> ]: Repeats scrolling (at 5-second intervals). [ <b>OFF</b> ]: Cancels.
	<b>TAG DISPLAY</b>	[ <b>ON</b> ]: Shows the TAG information while playing MP3/WMA/AAC tracks. [ <b>OFF</b> ]: Cancels.
<b>PRO EQ</b>		For settings,  page 15.

\*1 Takes effect only when clock data is received.

\*2 The illumination control lead connection is required. (See "Installation/Connection Manual".) This setting may not work correctly on some vehicles (particularly on those having a control dial for dimming). In this case, change the setting to other than <DIMMER AUTO>.

\*3 Some characters or symbols will not be shown correctly (or will be blanked) on the display.

## Menu operations

Menu item	Selectable setting (Initial: [XX])	
<b>FADER</b> *4*5	<b>R06-F06 [00]</b> : Adjusts the front and rear speaker output balance.	
<b>BALANCE</b> *5	<b>L06-R06 [00]</b> : Adjusts the left and right speaker output balance.	
<b>LOUD</b> (Loudness)	<b>ON</b> : Boosts low and high frequencies to produce a well-balanced sound at a low volume level. <b>[OFF]</b> : Cancels.	
<b>VOL ADJUST</b> (Volume adjust)	<b>-05 - +05 [00]</b> : Presets the volume adjustment level of each source (except "FM"), compared to the FM volume level. The volume level will automatically increase or decrease when you change the source. Before adjustment, select the source you want to adjust. ("VOL ADJ FIX" appears if "FM" is selected.)	
<b>L/O MODE</b> (Line output mode)	Select if the REAR/SW terminals are used for connecting the following devices (through an external amplifier). <b>SUB.W</b> : Subwoofer <b>[REAR]</b> : Speakers	
<b>AUDIO</b>	<b>SUB.W LPF</b> *6 (Subwoofer low-pass filter)	<b>LOW 55Hz / [LOW 85Hz] / LOW 120Hz</b> : Frequencies lower than 55 Hz/85 Hz/120 Hz are sent to the subwoofer.
	<b>SUB.W LEVEL</b> *6 (Subwoofer level)	<b>00-08 [04]</b> : Adjusts the subwoofer output level.
	<b>HPF</b> (High-pass filter)	<b>ON</b> : Activates the High Pass Filter. Low frequency signals are cut off from the front/rear speakers. <b>[OFF]</b> : Deactivates. (All signals are sent to the front/rear speakers.)
	<b>BEEP</b> (Keytouch tone)	<b>[ON]/[OFF]</b> : Activates or deactivates the keypress tone.
	<b>TEL MUTING</b> *7 (Telephone muting)	<b>ON</b> : Attenuates the sounds while using the cell phone (not connected through KS-BTA100). <b>[OFF]</b> : Cancels.
	<b>AMP GAIN</b> *8 (Amplifier gain)	<b>LOW POWER</b> : VOLUME 00-VOLUME 30 (Select if the maximum power of each speakers is less than 50W to prevent damaging the speakers.) <b>[HIGH POWER]</b> : VOLUME 00-VOLUME 50

\*4 If you are using a two-speaker system, set the fader level to "00".

\*5 This adjustment will not affect the subwoofer output.

\*6 Displayed only when <L/O MODE> is set to <SUB.W>.

\*7 This setting does not work if <BT ADAPTER> is selected for <R-AUX> of <SRC SELECT>.

\*8 The volume level automatically changes to "VOLUME 30" if you change to <LOW POWER> with the volume level set to higher than "VOLUME 30".

Menu item	Selectable setting (Initial: [XX])
<b>SSM</b>	For settings,  page 6. (Displayed only when the source is "FM".)
<b>AF-REG</b> *9	[ <b>AF ON</b> ]: Activates Alternative Frequency Reception. [ <b>AF-REG ON</b> ]: Activates Alternative Frequency Regionalization Reception. [ <b>OFF</b> ]: Cancels. (Selectable only when <DAB AF> is set to <OFF>) (  page 9)
<b>NEWS-STBY</b> *9 (News standby)	[ <b>ON</b> ]/[ <b>OFF</b> ]: Activates or deactivates NEWS Standby Reception. (Displayed only when the source is "FM".) (  page 7)
<b>P-SEARCH</b> *9 (Programme search)	[ <b>SEARCH ON</b> ]/[ <b>SEARCH OFF</b> ]: Activates Programme Search (if AF-REG is turn on) or deactivates.
<b>MONO</b> (Monaural mode)	For settings,  page 6. (Displayed only when the source is "FM".)
<b>IF BAND</b> (Intermediate frequency band)	[ <b>AUTO</b> ]: Increases the tuner selectivity to reduce interference noises between adjacent stations. (Stereo effect may be lost.) [ <b>WIDE</b> ]: Subject to interference noises from adjacent stations, but sound quality will not be degraded and the stereo effect will remain.
<b>DAB AF</b>	[ <b>ON</b> ]/[ <b>OFF</b> ]: Activates or deactivates DAB Alternative Frequency Reception. (  page 9)
<b>DAB L-BAND</b>	[ <b>ON</b> ]: Searches BAND-III and L-BAND. [ <b>OFF</b> ]: Searches only BAND-III. (Displayed only when the source is "DAB".)
<b>DAB ANT PWR</b> (Antenna power)	[ <b>ON</b> ]: The unit supplies the power to the DAB aerial with the booster. Select when using the DAB aerial with the booster (not supplied). [ <b>OFF</b> ]: Select when using the DAB aerial without the booster.
<b>PTY-STBY</b> (Programme type standby)	[ <b>OFF</b> ]: Cancels. [ <b>PTY codes</b> ]: Activates PTY Standby Reception with one of the PTY codes. (Displayed only when the source is "DAB".) (  page 9)
<b>DAB Vxxx</b> *11	Displays the version number of DAB software. (Displayed only when the source is "DAB".)
<b>IPOD SWITCH</b> (iPod/iPhone control)	For settings,  page 12. (Displayed only when the source is "USB".)
<b>AM</b> *10	[ <b>ON</b> ]/[ <b>OFF</b> ]: Enables or disables "AM" in source selection.
<b>F-AUX</b> *10 (Front auxiliary input)	[ <b>ON</b> ]/[ <b>OFF</b> ]: Enables or disables "F-AUX" in source selection.
<b>R-AUX</b> *10 (Rear auxiliary input)	[ <b>ON</b> ]/[ <b>OFF</b> ]: Enables or disables "R-AUX" in source selection. [ <b>BT ADAPTER</b> ]: Select if the rear auxiliary input jack is connected to the Bluetooth adapter, KS-BTA100 (  page 16). The source name will be changed to "BT AUDIO".

\*9 Only for FM Radio Data System stations.

\*10 Displayed only when any source other than corresponding setting "AM/F-AUX/R-AUX/BT AUDIO" is selected.

\*11 The version of DAB software can be updated.

## Using the remote controller (KD-DB52 only)

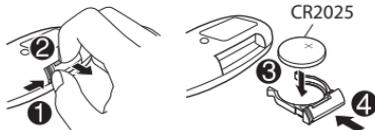
### ■ Preparing

When you use the remote controller for the first time, pull out the insulation sheet.



### ■ Replacing the lithium coin battery

- If the effectiveness of the remote controller decreases, replace the battery.



### Caution:

- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Battery shall not be exposed to excessive heat such as sunshine, fire, or the like.

KD-DB42 can be controlled with the remote controller RM-RK52. (optionally purchased)

## Additional information

### ■ About discs

This unit can only play the following CDs:



This unit can play back multi-session discs; however, unclosed sessions will be skipped during playback.

### Unplayable discs

- Discs that are not round.
- Discs with coloring on the recording surface or discs that are dirty.
- Recordable/ReWritable disc that has not been finalized. (For details on disc finalization, refer to your disc writing software and your disc recorder instruction manual.)
- 8 cm (3 inch) CD. Attempt to insert using an adapter can cause malfunction.

### Warning:

- Do not install any battery other than CR2025 or its equivalent.
- Do not leave the remote controller in places (such as dashboards) exposed to direct sunlight for a long time.
- Store the battery in places out of reach of children.
- Do not recharge, short, disassemble, heat the battery, or dispose of it in a fire.
- Do not place the battery with other metallic materials.
- Do not poke the battery with tweezers or similar tools.
- Insulate the battery by wrapping it with tape when disposing or storing it.

This unit is equipped with the steering wheel remote control function. For details, refer also to the instructions supplied with the remote adapter.

### Disc handling

- Do not touch the recording surface of the disc.
- Do not stick tape etc. on the disc, or use a disc with tape stuck on it.
- Do not use any accessories for the disc.
- Clean from the center of the disc and move outward.
- Clean the disc with a dry silicon or soft cloth. Do not use any solvents.
- When removing discs from this unit, pull them out horizontally.
- Remove the rims from the center hole and disc edge before inserting a disc.

### DualDisc playback

The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

## Audio files

### Playable files

- File extensions: AAC-LC(.m4a), MP3(.mp3), WMA(.wma) (regardless of the letter case- upper/lower.)
- Bit rate:
  - MP3: 32 kbps - 320 kbps
  - WMA: 32 kbps - 192 kbps
  - ACC: 8 kbps - 320 kbps
- Sampling frequency:
  - MP3/AAC: 48 kHz, 44.1 kHz, 32 kHz, 24 kHz, 22.05 kHz, 16 kHz, 12 kHz, 11.025 kHz, 8 kHz
  - WMA: 48 kHz, 44.1 kHz, 32 kHz, 22.05 kHz
- Variable bit rate (VBR) files. (The elapsed time for VBR files will not be displayed correctly.)

### Unplayable files

- MP3 files:
  - encoded in MP3i and MP3 PRO format
  - encoded in an inappropriate format
  - encoded with Layer 1/2
- WMA files:
  - encoded in lossless, professional, and voice format
  - not based upon Windows Media ® Audio
  - copy-protected with DRM
- Files which include data such as AIFF, ATRAC3, etc.

### Maximum number of characters for file/folder name

Varies depending on the disc format used (includes 4 extension characters—<.mp3>, <.wma> or <.m4a>).

- ISO 9660 Level 1 and 2: 64 characters
- Romeo: 64 characters
- Joliet: 32 characters
- Windows long file name: 64 characters

### Others

- This unit can show WMA Tag and ID3 Tag Version 1.0/1.1/2.2/2.3/2.4 (for MP3).
- The search function works but search speed is not constant.

## About USB device

The following devices cannot be used or connected to the USB input terminal of this unit:

- Computer
- Portable HDD
- USB hub
- USB device equipped with special functions such as data security functions.
- USB device with two or more partitions.
- USB device whose rating is other than 5 V and exceeds 500 mA.

This unit may not recognize the following:

- Memory card inserted into the USB card reader.
- Files in a USB device when using a long USB extension cord.

The maximum number of characters for display:

- Folder/file names: 63 characters
- MP3/WMA/AAC Tag: 60 characters

This unit can recognize a total of 65,025 files, 255 folders (255 files per folder including folder without unsupported files), and 8 hierarchies.

## Copyright and trademark

- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Only for KD-DB52:

- "Made for iPod," and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, or iPhone may affect wireless performance.
- iPhone, iPod, iPod classic, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

# Troubleshooting

## General

Symptom	Remedy/Cause
Sound cannot be heard from the speakers.	<ul style="list-style-type: none"> <li>Adjust the volume to the optimum level.</li> <li>Check the cords and connections.</li> </ul>
"MISWIRING CHK WIRING THEN RESET UNIT" appears on the display and no operations can be done.	Check to be sure the terminals of the speaker leads are covered with insulating tape properly, then reset the unit. (page 3) If the message does not disappear, consult your JVC IN-CAR ENTERTAINMENT dealer or a company supplying kits.
The unit does not work at all.	Reset the unit. (page 3)
"F-AUX" or "R-AUX" cannot be selected.	Check the <SRC SELECT> → <F-AUX / R-AUX> setting. (page 19)
Sound is sometimes interrupted while listening to an external component connected to the auxiliary input jack.	Check to be sure the recommended stereo mini plug is used for connection. (page 13)
The correct characters are not displayed (e.g. album name).	This unit can only display letters (upper case), numbers, and a limited number of symbols.

## FM/AM

Symptom	Remedy/Cause
SSM automatic presetting does not work.	Store stations manually.
Static noise while listening to the radio.	Connect the aerial firmly.
"AM" cannot be selected.	Check the <SRC SELECT> → <AM> setting. (page 19)

## DAB

Symptom	Remedy/Cause
"NO SIGNAL" appears on the display.	Move to an area with stronger signals.
"CHK ANTENNA" appears on the display.	Check the cord and connections.

## Disc playback

Symptom	Remedy/Cause
Disc cannot be played back.	Insert the disc correctly.
CD-R/CD-RW cannot be played back and track cannot be skipped.	Insert a finalized CD-R/CD-RW (finalize with the component which you used for recording).
Disc sound is sometimes interrupted.	<ul style="list-style-type: none"> <li>Stop playback while driving on rough roads.</li> <li>Change the disc.</li> <li>Check the cords and connections.</li> </ul>
"NO DISC" appears on the display.	Insert a playable disc into the loading slot.
"PLEASE" and "EJECT" appear alternately on the display.	Press [▲], then insert a disc correctly.
"IN DISC" appears on the display.	The disc cannot be ejected properly. Make sure nothing is blocking the loading slot.

**MP3/WMA/AAC playback**

Symptom	Remedy/Cause
Disc cannot be played back.	<ul style="list-style-type: none"> <li>Record the tracks using a compliant application on the appropriate discs. (page 20)</li> <li>Add appropriate file extensions to the file names.</li> </ul>
"READING" keeps flashing on the display.	A longer readout time is required. Do not use too many hierarchical levels and folders.
Tracks do not play back in the order you have intended them to play.	The playback order is determined when the files are recorded.
The elapsed playing time is not correct.	This sometimes occurs during playback. This is caused by how the tracks are recorded on the disc.

**USB device playback**

Symptom	Remedy/Cause
"READING" keeps flashing on the display.	<ul style="list-style-type: none"> <li>A longer readout time is required. Do not use too many hierarchical levels or folders.</li> <li>Turn off the power then on again.</li> <li>Reattach the USB device again.</li> </ul>
"NOT SUPPORT" appears on the display and track skips.	Check whether the track is a playable file format.
Tracks/folders are not played back in the order you have intended.	The playback order is determined by the file name. Folders with names beginning with numbers are sorted in numerical order. Folders with names not beginning with numbers are sorted according to the file system of the USB device.
<ul style="list-style-type: none"> <li>"CANNOT PLAY" flashes or "NO USB" appears on the display.</li> <li>The unit cannot detect the USB device.</li> </ul>	<ul style="list-style-type: none"> <li>Check whether the connected USB device is compatible with this unit.</li> <li>Reattach the USB device again.</li> </ul>
While playing a track, sound is sometimes interrupted.	The tracks have not been properly copied into the USB device. Copy tracks again into the USB device, and try again.

**iPod/iPhone playback (KD-DB52 only)**

Symptom	Remedy/Cause
The iPod does not turn on or does not work.	<ul style="list-style-type: none"> <li>Check the connecting cable and its connection.</li> <li>Charge the battery of the iPod/iPhone.</li> <li>Reset the iPod/iPhone.</li> <li>Check whether &lt;IPOD SWITCH&gt; setting is appropriate. (page 12)</li> </ul>
The sound is distorted.	Deactivate the equalizer either on this unit or the iPod/iPhone.
Noise is generated.	Turn off (uncheck) the "VoiceOver" feature of the iPod. For details, visit < <a href="http://www.apple.com">http://www.apple.com</a> >.
Playback stops.	The headphones are disconnected during playback. Restart the playback operation. (page 11)
"CANNOT PLAY" flashes on the display.	Check whether the connected iPod/iPhone is compatible with this unit. (page 11)

# Specifications

## AUDIO AMPLIFIER SECTION

Maximum Power Output	50 W per channel
Continuous Power Output (RMS)	20 W per channel into 4 $\Omega$ , 40 Hz to 20,000 Hz at no more than 1% total harmonic distortion.
Load Impedance	4 $\Omega$ (4 $\Omega$ to 8 $\Omega$ allowance)
Frequency Response	40 Hz to 20,000 Hz
Signal-to-Noise Ratio	70 dB
Line-Out, Subwoofer-Out Level/Impedance	2.5 V/20 k $\Omega$ load (full scale)
Output Impedance	$\leq$ 600 $\Omega$
Other Terminal	<ul style="list-style-type: none"><li>• Front auxiliary input jack, Aerial input</li><li>• Rear auxiliary/Bluetooth adapter input jack</li><li>• USB input terminal</li></ul>

## TUNER SECTION

DAB	Frequency Range	Band III: 174.928 MHz to 239.200 MHz L-Band: 1452.960 MHz to 1490.624 MHz
	Sensitivity	Band III: -100 dBm L-Band: -98 dBm
	Selectivity	45 dB
	Stereo Separation	80 dB
	Antenna Connector	Type "SMB"
	Antenna Output Voltage	DC 14.4 V (11 V to 16 V)
	Antenna Maximum Current	< 100 mA
FM	Frequency Range	87.5 MHz to 108.0 MHz
	Usable Sensitivity	9.3 dBf (0.8 $\mu$ V/75 $\Omega$ )
	50 dB Quieting Sensitivity	16.3 dBf (1.8 $\mu$ V/75 $\Omega$ )
	Stereo Separation	40 dB
AM	Frequency Range	MW: 531 kHz to 1,611 kHz LW: 153 kHz to 279 kHz
	Sensitivity	MW: 20 $\mu$ V, LW: 50 $\mu$ V
	Selectivity	MW: 40 dB, LW: 40 dB

## CD PLAYER SECTION

Type	Compact disc player
Signal Detection System	Non-contact optical pickup (semiconductor laser)
Number of Channels	2 channels (stereo)
Frequency Response	5 Hz to 20,000 Hz
Signal-to-Noise Ratio	98 dB
Wow and Flutter	Less than measurable limit

## USB SECTION

USB Standard	USB 1.1, USB 2.0
Data Transfer Rate (Full Speed)	Max. 12 Mbps
Compatible Device	Mass storage class
Compatible File System	FAT 32/16/12
Playable Audio Format	MP3/WMA/AAC
Output Power	DC 5 V $\equiv$ 500 mA

## GENERAL

Power Requirement (Operating Voltage)	DC 14.4 V (11 V to 16 V allowance)
Grounding System	Negative ground
Allowable Operating Temperature	0°C to +40°C
Dimensions (W × H × D)	Installation Size approx. 182 mm × 52 mm × 159 mm
	Panel Size approx. 188 mm × 59 mm × 8.5 mm
Mass	1.3 kg (excluding accessories)

Subject to changes without notice.

## **Having TROUBLE with operation?**

**Please reset your unit**

Refer to page of How to reset your unit

## **Vous avez des PROBLÈMES de fonctionnement?**

**Réinitialisez votre appareil**

Référez-vous à la page intitulée Comment réinitialiser votre appareil

## **Haben Sie PROBLEME mit dem Betrieb?**

**Bitte setzen Sie Ihr Gerät zurück**

Siehe Seite Zurücksetzen des Geräts

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Dear Customer,

This apparatus is in conformance with the valid European directives and standards regarding electromagnetic compatibility and electrical safety.

European representative of Victor Company of Japan, Limited is:

JVC Technical Services Europe GmbH  
Postfach 10 05 04  
61145 Friedberg  
Germany

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Cher(e) client(e),

Cet appareil est conforme aux directives et normes européennes en vigueur concernant la compatibilité électromagnétique et à la sécurité électrique.

Représentant européen de la société Victor Company of Japan, Limited:

JVC Technical Services Europe GmbH  
Postfach 10 05 04  
61145 Friedberg  
Allemagne

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Sehr geehrter Kunde, sehr geehrte Kundin, dieses Gerät stimmt mit den gültigen europäischen Richtlinien und Normen bezüglich elektromagnetischer Verträglichkeit und elektrischer Sicherheit überein.

Die europäische Vertretung für die Victor Company of Japan, Limited ist:

JVC Technical Services Europe GmbH  
Postfach 10 05 04  
61145 Friedberg  
Deutschland

# **JVC**



EN, FR, GE

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