RÉCEPTEUR CD RECEPTOR CON CD **CD RECEIVER** 

# KD-AHD59/KD-HDR50

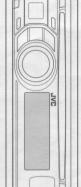
























H) Radio®





Pour annuler la démonstration des affichages, référez-vous à la page 7. For canceling the display demonstration, see page 7. Para cancelar la demostración en pantalla, consulte la página 7.

Pour l'installation et les raccordements, se référer au manuel séparé. Para la instalación y las conexiones, refiérase al manual separado. For installation and connections, refer to the separate manual.

INSTRUCTIONS

MANUEL D'INSTRUCTIONS MANUAL DE INSTRUCCIONES

> No. and Serial No. which Enter below the Model For customer Use:

are located on the top or reference. this information for future bottom of the cabinet. Retain

LVT1942-001A

Serial No. Model No.

FRANÇAIS

**ESPAÑOL** 

**ENGLISH** 

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

### INFORMATION (For U.S.A.)

off and on, the user is encouraged to try to correct the interference by one or more of the following measures: cause harmful interference to radio or television reception, which can be determined by turning the equipment However, there is no guarantee that interference will not occur in a particular installation. If this equipment does a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to back communications This equipment has been tested and found to comply with the limits for a class it digital device, pursuant to Pari 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not approved by JVC could void the user's authority to operate the equipment

# **IMPORTANT FOR LASER PRODUCTS**

- CLASS 1 LASER PRODUCT
- CAUTION: Do not open the top cover. There are no user serviceable parts inside the unit, leave all servicing to qualified service personnel.
- CAUTION: (For U.S.A.) Visible and/or invisible class II laser radiation when open. Do not stare into beam. (For Canada) Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments
- REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT

)825-1:2001 (ENG)	V DIRECTLY WITH	SIBLE CLASS 1M ER RADIATION	BLE AND/OR	UTION
(ENG) OPTIQUES. (FRA)	DUVERT		RAYONNEMENT LASER	ATTENTION
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CA VISI VIEW VIEW VIEW VIEW



[European Union only]

#### For safety...

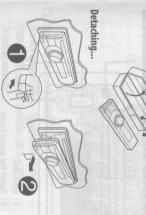
- Do not raise the volume level too much, as this wil block outside sounds, making driving dangerous
- Stop the car before performing any complicated

accident. look around carefully or you may be involved in a traffic If you need to operate the unit while driving, be sure to

## Temperature inside the car...

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

# Detaching/attaching control panel





## How to reset your unit



 Your preset adjustments will also be erased (except the registered Bluetooth devices, see page 14).

# How to forcibly eject a disc



- You can forcibly eject the loaded dist even if the disc is locked. To lock/unlock the disc, see page 12.
- Be careful not to drop the disc when it ejects.
- If this does not work, reset your unit

## Caution on volume setting:

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

#### CONTENTS

How to reset your unit Detaching/attaching control panel How to forcibly eject a disc.

**ENGLISH** 

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Specifications.

JVC

# Using the control panel



14

- Search for HD Radio stations only [Hold]. Select HD Radio™ multicast channel.
- SIRIUS/XM: Select category.
- · CD/USB/CD-CH: Select folder.
- IPOD: Enter the main menu/Pause playback. Confirm selection.

IPOD: Select category/track.

BT PHONE/BT AUDIO: Select setting item/

CD/USB/USB-IPOD/CD-CH: Select track.

BT PHONE/BT AUDIO: Enter/go back to previous Bluetooth menu.

12 Change the display information.
13 • Return to the previous menu.

registered device.

USB-IPOD: Switch the setting between "HEAD

MODE" and "IPOD MODE" [Hold].

- 2 Turn on the power.
- Attenuate the sound (if the power is on).
- Turn off the power [Hold].
- Select the source. FM → AM\*2 → SIRIUS\*3/XM\*3 → CD\*3

EXT INPUT) → BT PHONE\*3 → BT AUDIO\*3 →

→ USB/USB-IPOD\*3, \*4 → CD-CH\*3/IPOD\*3 (OI

**AUX IN**\*2 → (back to the beginning)

Enter the DIAL menu when the Bluetooth cellula 17 16 15 AUX (auxiliary) input jack

Kemote sensor

to your iPod/iPhone [Hold]

- USB (♥) terminal
- \*1 Also known as "Control dial" in this manual.

4 • FM/AM/SIRIUS/XM/CD/USB/CD-CH: Enter list

phone is connected [Hold].

- \*2 You cannot select these sources if they were disabled in Menu (see "SELECT SRC" on page 31).
- \*4 When connecting the iPod/iPhone to the USB ( \$\frac{1}{2}\). not connected.

\*3 You cannot select these sources if they are not ready or

5 • Control the volume\*5 or select items [Turn]

iPhone.

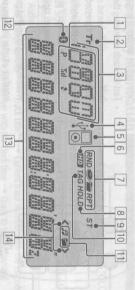
USB-IPOD: Enter the main menu of the iPod/

Enter Menu setting [Hold].

operations.

- \*5 terminal, "USB" appears on the display first, then "USB-IPOD."
- selected source is CD/USB/USB-IPOD. You can still adjust the volume during pause when the Before resume playback, check to be sure that you have not raised the volume too much
- You can use this function when "IPOD MODE" is available for the connected iPod/iPhone

### Display window



**ENGLISH** 

1 Status of Bluetooth device  $[\mathbf{Y}_{\mathbf{M}}: 0-3]^*$ ; battery reminder,  $[\mathbf{X}: 0-3]^*$ ) (Device number, [P: 1-5]; signal strength,

8 HOLD (reception hold) indicator
9 ST (stereo) indicator

10 TAG (PSD reception) indicator

Disc/device information indicators— 3 (track/

file) and 🚡 (folder)

2 Tr (track) indicator
3 Source display / Preset

Eject disc.
 Select the sound mode.
 Detach the panel.
 FM/AM/SIRIUS/XM: Search for station/channel.

- Source display / Preset number / Disc number / operation information Track number / Folder number / Setting and list

- (disc), (folder), RPT (repeat)
- 4 ½ (USB) indicator
  5 © (iPod/iPhone) indicator
  6 HD (HD Radio hoadcast) indicator
  7 Playback mode / item indicators—RND (random),
  - 14 Menu hierarchy position indicator—> (top), 12 8 (Bluetooth) indicator 13 Main display
  - (middle), < (bottom)</p>
- \* As the number increases, the signal/battery power becomes stronger.

You can change the display and button illumination (see page 32).

# Using the remote controller (RM-RK50)

Installing the lithium coin battery (CR2025)

For USA-California Only:

This product contains a CR Coin Cell Lithium Battery

14 • Tag the PSD (Program Service Data) from HD

Radio broadcast

**USB-IPOD**: Cancel transferring the tagged PSD

#### Caution:

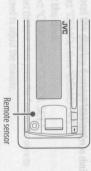
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Battery shall not be exposed to excessive heat such as sunshine, fire, or the like.

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

#### See www.dtsc.ca.gov/hazardouswaste/perchlorate which contains Perchlorate Material—special nandling may apply.

# Before using the remote controller:

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



Continued on the next page

4

6 Loading slot7 Display window

· CD/USB/USB-IPOD/CD-CH/IPOD: Enter

playback mode [Hold].

 CD/USB/USB-IPOD: Pause/resume playback\*5 FM/AM: Enter SSM preset mode [Hold]. Confirm the selection [Press].

1 • Turns the power on if pressed briefly or Turns the power off if pressed and held. attenuates the sound when the power is on.

2 • Selects the preset radio station if pressed briefly

- Selects HD Radio multicast channel if pressed
- Changes the folder of the MP3/WMA
- While playing an MP3 disc on an MP3-compatible CD changer:
- Changes the disc if pressed briefly.
- While listening to the Satellite (SIRIUS or XM) Changes the folder if pressed and held.
- Changes the categories.
- · While listening to an iPod (connected with the

interface adapter):

 Enters the main menu with ▲ U. — Pauses or resumes playback with D ▼

(Now ▲ U/D ▼/▲ R/F ▼ work as the menu

- Do not leave the battery with other metallic

- Wrap the battery with tape and insulate when throwing away or saving it.

3 Adjusts the volume level.
4 Selects the sound mode.

selecting buttons.)\*

6 5

For Bluetooth cellular phone: Selects the source.

 Ends or rejects calls if pressed and held. Answers calls if pressed briefly

remote control function. KD-AHD59 is equipped with the steering wheel

 See the Installation/Connection Manual (separate volume) for connection

- 7 Searches for stations if pressed briefly. Fast-forwards or reverses the track if pressed and
- Changes the tracks if pressed briefly
- While listening to the Satellite Radio Changes the channels if pressed briefly. Changes the channels rapidly if pressed and
- While listening to an iPod connected with the interface adapter (in menu selecting mode):
- Selects an item if pressed briefly. (Then, press D ▼ to confirm the selection.)
- Reverse skip/forward skip for Bluetooth audio Skips 10 items at a time if pressed and held

#### D ▼ : Confirms the selection. U: Returns to the previous menu.

# Warning (to prevent accidents and damage)

SIRIUS/XM

Category name → Channel name → Artist name → Composer name\*7 → Song/program

- Do not install any battery other than CR2025 or its
- Do not leave the remote controller in a place (such as dashboards) exposed to direct sunlight for a long
- Store the battery in a place where children cannot
- Do not recharge, short, disassemble, heat the battery or dispose of it in a fire.
- materials.
- Do not poke the battery with tweezers or similar

# Changing the display information

 When the power is turned off: The current clock time is displayed if "CLOCK DISP" is set to "CLOCK OFF" (see page 28).

**ENGLISH** 

When the power is turned on: The display information of the current source changes as follows:

FM/AM	Call Sign*1 $\rightarrow$ Frequency $\rightarrow$ PTY (Program Type)*2 $\rightarrow$ Text*3 $\rightarrow$ Clock $\rightarrow$ (back to the
	beginning)
CD/USB	Audio CD/CD Text:
/CD-CH	Disc title/performer*⁴ → Track title*⁴ → Current track number with the elapsed playing
	time → Current track number with the clock time → (back to the beginning)

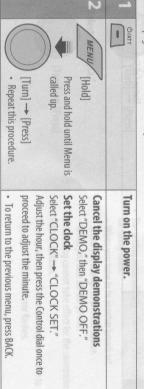
IPOD **USB-IPOD** Album name/artist name → Track title → Current track number with the elapsed playing Album name/artist name → Track name → Current track number with the elapsed playing time → Current track number with the clock time → (back to the beginning) PSDs\*6 → (back to the beginning) time → Current track number with the clock time → Current status of transferring the tagged MP3/WMA: with the elapsed playing time → Current track number with the clock time → (back to the Album name/performer (folder name)\*5 → Track title (file name)\*5 → Current track number

- \*1 Displayed only when a Call Sign is received. name/title → Clock → (back to the beginning)
- \*2 When no program type (PTY) is received, "HD RADIO" appears for HD Radio broadcasting, and "ANALOG" appears for conventional FM/AM broadcasting.
- \*3 "NO TEXT" appears when no text is received.
- \*4 If the current disc is an audio CD, "NO NAME" appears.
- \*5 If an MP3/WMA file does not have Tag information or "TAG DISPLAY" is set to "TAG OFF" (see page 29), folder name and file name appear.
- \*6 Only while transferring the tagged PSDs is in progress (see page 24)
- \*7 Only for SIRIUS Satellite Radio.

### Preparation

# Canceling the display demonstration and setting the clock

See also page 28.



# Listening to the radio

You can tune in to both conventional and HD Radio broadcasts.

If you want to search for HD Radio stations only, see "Searching for HD Radio stations only" on page 9.

# What is HD Radio m broadcasting?

offer text and data, such as artist names, song titles, and Program Service Data (PSD). and FM digital will have CD-like sound quality—with static-free and clear reception. Furthermore, stations can HD Radio stations can deliver high-quality digital sound—AM digital will have FM-like sound quality (in stereo)

- HD Radio tuners can also tune in to conventional analog broadcasts.
- Many HD Radio stations offer more than one channel of programming. This service is called multicasting
- By using PSD, you can easily purchase the songs at iTunes Store.
- To find HD Radio stations in your area, visit <a href="http://www.hdradio.com/">http://www.hdradio.com/</a>

### Select "FM" or "AM."

SHC

(I) (I)

# Search for a station to listen—Auto Search

button again. When a station is tuned in, searching stops. To stop searching, press the same

- You can also search for a station manually—Manual Search. Hold either one of the buttons until "M" flashes on the display, then press it repeatedly.
- When receiving an FM stereo broadcast with sufficient signal strength, the ST indicator lights up on the display.
- When the TAG indicator lights up on the display, you can tag the song for your future purchase at iTunes Store (see page 24).

Flashes when an analog audio is broadcast. Lights up when a digital audio is broadcast

WXYZ-FM

Selected frequency

87.50MHz

Station Call Sign

### When receiving HD Radio multicast channels...

## HD1 WXYZ-FM

Channel number

Select your desired channel.



→ HD1 → → HD2 → → HD8 →

 "LINKING" appears while linking to a multicast channel

### Searching for HD Radio stations only





When a station is tuned in, searching stops.

# Improving the FM reception

activate monaural mode for better reception. When an FM stereo broadcast is hard to receive,

See also page 29.

1 Call up the menu.

[Hold]

2 Select "TUNER." [Turn] → [Press]

3 Select "MONO."



## 4 Select "MONO ON."



[Turn] → [Press]

**ENGLISH** 

Reception improves, but stereo effect will be lost. The ST indicator goes off.

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

# Changing HD Radio reception

receives digital or analog audio automatically due to While receiving an HD Radio broadcast, the unit the receiving condition.

# While listening to an HD Radio station...

See also page 29



MENU [Hold] The menu is called up.

 Repeat this procedure. [Turn] → [Press]

Select "TUNER" → "BLEND HOLD → "AUTO/DIGITAL/ANALOG"

Flashes when holding the analog reception Lights up when holding the digital reception. WXYZ-FM

- If no sound can be heard with "AUTO," change the setting to "ANALOG" or "DIGITAL."
- The setting automatically returns to "AUTO" in the following cases:
- When you tune in to another broadcast
- When you turn off the power. When you change to another source
- This setting cannot take effect for the conventional FM/AM stations.
- If the radio station forces the reception mode to digital, the HOLD indicator flashes

# Storing stations in memory

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

The HD Radio multicast channels can also be preset.

### Sequential Memory) Automatic presetting — SSM (Strong-station

1 While listening to a radio...



2 Select the preset number range you want to



 For AM: SSM 01-06 For FM: SSM 01−06 → SSM 07−12 →



111111 SSIM

MENU

searched and stored automatically. Local stations with the strongest signals are

To stop searching, press MENU.

To preset other 6 stations, repeat from step 1 again.

#### Manual presetting

Ex.: Storing FM station of 92.50 MHz into preset number

1 Tune in to the station or channel you want to preset.



92.50MHz

page 24.

2 Select a preset number.

[Turn]

TAG

TAG SAVED

on the display)...

While listening to the song (with the TAG indicator lit



Selecting preset station/channel



[Turn] → [Press]

the PSD changes, the tags for two songs are stored. Service Data) PSD (Program — 1st song — → | ← 2nd song and 2nd songs. period tags PSD of both 1st Pressing TAG during this (10 sec.) (10 sec.)

- You cannot tag a song in the following cases: When the broadcast currently received does not
- When the broadcast does not provide PSD. (TAG support the il unes lagging.
- When you try to store the 61st PSD. ("MEMORY indicator does not light up.)
- When you try to tag the song for the 2nd time FULL" appears.) appears.) while receiving one song. ("TAG ALREADY SAVED"
- While transferring the tagged PSDs to your iPod/ iPhone is in progress.

# Tagging your favorite songs

on the unit

To check the number of tagged songs stored

song—iTunes Tagging. store its PSD (maximum 60 songs) while listening the Service Data) for a song. You can tag the song and Some HD Radio broadcasts provide PSD (Program

TAG [Hold]

 For details how to purchase the tagged songs, see To clear the tagged songs from the unit See also page 31.

MENU [Hold]

The menu is called up.



Select "TAG ALL CLR."

song is stored into the memory.

When pressing TAG within 10 seconds before or after

The TAG indicator start flashing, then the PSD of the

Tagging. See page 36 about warning messages for iTunes

0

### 3

Turn on the power.

All tracks will be played repeatedly until you change the source or eject

the disc

Insert a disc.

# Stop playing and ejecting the disc

10

"NO DISC" appears. Press SRC to listen to another playback source.

Prohibiting disc ejection



To cancel the prohibition, repeat the same procedure.

# Playing a file on USB device

You can connect a USB mass storage class device such as a USB memory, Digital Audio Player, portable HDD, etc. to This unit can play MP3/WMA files stored on a USB mass storage class device.

You can also connect the iPod/iPhone to the USB terminal of the unit. For details of the operations, see page 21.

2	
	O/ATT
Connect All tracks change th The \$\frac{1}{2}\$ in You can termin	Turn on

the power.

he source or disconnect a device. will be played repeatedly until you

ta USB.

- indicator lights up on the display.
- ial of the unit. nnot connect a computer to the USB ( 🖞

- Avoid using the USB device if it might hinder your safety driving.
- Do not pull out and attach the USB device repeatedly while "READING" is flashing on the display.

ENGLISH

- Do not start the car engine if a USB device is connected.
- Stop playback before disconnecting a USB device.
- Make sure all important data has been backed up to avoid losing the data.
- Do not leave a USB device in the car, expose to direct sunlight, or high temperature to avoid deformation or
- For more details about USB operations, see page 34. cause damages to the device.

## Disc/file operations

## Selecting a track/folder

You can use only one of the following playback modes

Selecting the playback modes

at a time.

[Hold]

The playback mode menu is called



- For MP3/WMA, select the desired folder, then the desired track by repeating this procedure.
- To return to the previous menu, press BACK.

Pressing (or holding) the following buttons allows you



[Press]: Pause/resume playback



[Hold]: Reverse/fast-forward track [Press]: Select track



N

up.

 $[Turn] \rightarrow [Press]$ 

#### TRACK RPT REPEAT Repeats current track

**FOLDER RPT** MP3/WMA: Repeats all tracks of current folder

#### RANDOM

FOLDER RND MP3/WMA: Randomly plays all tracks of current folder, then tracks of next

ALL RND Disc: Randomly plays all tracks

To cancel repeat play or random play, select

 To return to the previous menu, press BACK. "RPT OFF" or "RND OFF."

# Using the Bluetooth® devices

CD changer jack on the rear of this unit. Bluetooth adapter (KS-BTA200) (not supplied) to the For Bluetooth operations, it is required to connect the

- Bluetooth adapter and the Bluetooth device. Refer also to the instructions supplied with the
- Refer to the list (included in the box) to check the countries where you may use the Bluetooth®

and "BT AUDIO") for the first time, you need to establish Bluetooth wireless connection between the unit and To use a Bluetooth device through the unit ("BT PHONE"

- Once the connection is established, it is registered in can be registered in total. the unit even if you reset your unit. Up to five devices
- Only one device can be connected at a time for each source ("BT PHONE" and "BT AUDIO").

operations. See page 35 about warning messages for Bluetooth

#### **Registration (Pairing) methods** Registering a Bluetooth device

to register and establish the connection with a device. Use either of the following items in the Bluetooth menu

operate the Bluetooth menu. Select "BT PHONE" or "BT AUDIO" as the source to

ODEN	Make the unit ready to establish a new
	Bluetooth connection.
	Connection is established by operating th
	Bluetooth device.
SEARCH	Make the unit ready to establish a new
	Bluetooth connection.
	Connection is established by operating
	the unit.

### Registering using "OPEN"

Preparation: Operate the device to turn on its Bluetooth function.

- 1 Select "BT PHONE" or "BT AUDIO."
- Select "NEW DEVICE."









- Enter a PIN (Personal Identification Number code to the unit.
- You can enter any number you like (1-digit to 16-digit number). [Initial: 0000] Some devices have their own PIN code. Enter
- Move to the next (or previous) number position. the specified PIN code to the unit.



2 Select a number



3 Repeat steps 1 and 2 until you finish 4 Confirm the entry. entering a PIN code.



"OPEN.." flashes on the display.

### Use the Bluetooth device to search and connect.

On the device to be connected, enter the same PIN code you have just entered for this unit. device through the unit. "CONNECTED" appears on the display. Now connection is established and you can use the

next time on. (See the following and page 27.) disconnect the device. Use "CONNECT" (or activate The device remains registered even after you "AUTO CNNCT") to connect the same device from

### Connecting a device

- Select "BT PHONE" or "BT AUDIO."
- Select "NEW DEVICE."







#### ω To search for available devices: Select "SEARCH."

available devices. If no available device is detected, The unit searches and displays the list of the "UNFOUND" appears.

#### Select "SPECIAL." To connect a special device:

The unit displays the list of the preset devices.



4 Select a device you want to connect.



U

For available devices...

1 Enter the specific PIN code of the device to the

2 Use the Bluetooth device to connect.

Now connection is established and you can use

device to check the PIN code. Refer to the instructions supplied with the

registered device Connecting/disconnecting/deleting a

Use "OPEN" or "SEARCH" to connect.

For special device...

the device through the unit.

Select "BT PHONE" or "BT AUDIO."

- Select a registered device you want to connect/disconnect/delete.





W To connect/disconnect the selected device: To delete the selected device: Select "CONNECT" or "DISCONNECT."



(See "AUTO CNNCT" on page 27.) device automatically when the unit is turned on. You can set the unit to connect the Bluetooth

#### **ENGLISH** Using the Bluetooth cellular phone 8 SRC (₹ ) (₹ ) Select "BT PHONE." Make a call or setting using the Bluetooth setting menu. Enter the Bluetooth menu.

### When a call comes in...

 The display will flash in blue (see "RING COLOR" The source is automatically changed to "BT PHONE."

# When "AUTO ANSWER" is activated...

The unit answers the incoming calls automatically, see

- When "AUTO ANSWER" is deactivated, press any incoming call. button (except ₼/ATT/1-) to answer the
- You can adjust the microphone volume level (see "MIC SETTING" on page 27).

#### To end the call

Hold any button (except ₺/ATT/📤/🏝).

# When a text message comes in...

unit rings to inform you of the message arrival If the cellular phone is compatible with text message INFO" (message info) is set to "AUTO" (see page 27), the (notified through JVC Bluetooth adapter) and "MSG

 "RCV MSG" (receiving message) appears on the display and the display illuminate in blue (see "RING COLOR" on page 30.)

#### Making a call

(See the following and page 27.)

make a call: Select "BT PHONE," then follow the following steps to You can make a call using the following methods.

To return to the previous menu, press ▲.

### 1 Enter the "DIAL" menu.



5

(₹ ) (₹ )

4 Repeat steps 2 and 3 until you finish

entering the phone number

#### N Select a calling method.

→ PHONE BOOK → MISSED → NUMBER → \* RECEIVED \* \* REDIAL \* \* VOICE \*

#### Call history:

1 Select "VOICE."

(I)

Voice dialing:

- 1 Select a call history (REDIAL\*, RECEIVED\* MISSED\*).
- 2 Then select a name (if it is acquired) or phone number.



#### Phone book:

- 1 Select "PHONE BOOK\*." The list of phone number appears.
- 2 Select a name from the list.

Using "VOICE" may be difficult in a noisy

environment or at an emergency.

on the display.



equipped with these functions and is compatible Displays only when your cellular phone is with this unit.

#### 1 Select "NUMBER." Direct dialing:



2 Select a number











SRC Select "BT AUDIO." the Bluetooth audio player to start If playback does not start, operate

player

Using the Bluetooth audio



3 Move to the next (or previous) number

[Turn]

position.

(I)

Reverse skip/forward skip

playback.



Pause/start playback\*



page 27) Enter the Bluetooth menu (see



- Operation may be different according to the connected Bluetooth audio player.
- Refer also to page 15 for connecting/disconnecting/ deleting a registered device.
- When the sound is stopped or interrupted while using a Bluetooth device, turn off, then turn on the
- If the sound is not yet restored, connect the device again (see page 15).

### **Bluetooth Information:**

2 Speak the name you want to call.

"SAY NAME" appears on the display

If your cellular phone does not support the

voice recognition system, "ERROR" appears

If you wish to receive more information about Bluetooth, visit the following JVC web site: website only) <a href="http://www.jvc.co.jp/english/car/">
<a href="http://www.jvc.co.jp/english/e

#### **ENGLISH**

It is recommended to use a JVC MP3-compatible CD changer (not supplied) with your unit. You can connect a CD changer to the CD changer jack on the rear of the unit.

Listening to the CD changer

You can only play conventional CDs (including CD Text) and MP3 discs

"CH/IPOD" is selected in the "SELECT SRC"  $\rightarrow$  "EXT IN" setting, see page 31.

Colort a disc folder than the track	Enter the list mode.	Select "CD-CH."
deat out and	New States and States	(hund)

[Turn] → [Press] Repeat this procedure. If there is no disc on the selected tray, the unit beeps Playback starts automatically.

For MP3 disc: To select another folder/track while playing, repeat steps 2 and 3 above until the desired folder/ track is selected. The selection always start from disc number first.

MP3: Select folders

[Press]: Select track

(I) ())

[Hold]: Reverse/fast-forward track

DISC RPT

Repeats all tracks of the current disc

RANDOM

**FOLDER RPT** 

MP3: Repeats all tracks of current Repeats current track

TRACK RPT

# Selecting the playback modes

FOLDER RND MP3: Randomly plays all tracks of

current folder, then tracks of next



The playback mode menu is called DISC RND ALL RND

To cancel repeat play or random play, select

Randomly plays all tracks

Randomly plays all tracks of the

current disc

To return to the previous menu, press BACK "RPT OFF" or "RND OFF."

 $[Turn] \rightarrow [Press]$ REPEAT ←→ RANDOM

[Turn] → [Press]

w

# Listening to the Satellite Radio

Before operating, connect either one of the following (not supplied) to the CD changer jack on the rear of this unit.

JVC SIRIUS Satellite Radio System, SC-C1 and KS-SRA100, PnP, SC-VDOC1 and KS-SRA100, for listening to the SIRIUS Satellite Radio.

XM Satellite Radio System, JVC Smart Digital Adapter—XMDJVC100, CNP2000UC and CNPJVC1 for listening to the XM Satellite Radio.

# GCI (Global Control Information) update

- If channels are updated after subscription, updating starts automatically. "UPDATING" or "UPDATE XXX%" flashes and no sound can be heard.
- Update takes a few minutes to complete.
- During update, you cannot operate your Satellite Radio

#### connection Activate your SIRIUS subscription after

Only Channel 0, 1, and 247 are available before activation

Activate your XM subscription after

connection



C/ATT 1



SIRIUS Satellite Radio starts updating all the SIRIUS the preset channel, CH184. Once completed, SIRIUS Satellite Radio tunes in to channels.

Check your SIRIUS ID (see page 29).

once subscription has been completed. "SUB UPDT PRESS ANY KEY" scrolls on the display SIRIUS toll-free at 1-888-539-SIRIUS (7474). activate your subscription, or you can call <a href="http://activate.siriusradio.com/">http://activate.siriusradio.com/">to</a> Contact SIRIUS on the internet at

4





N

XM Tuner\* starts updating all the XM channels "Channel 1" is tuned in automatically

W Check your XM Satellite Radio ID labelled "Channel 0" (see page 20). on the casing of the XM Tuner, or tune in to

at <a href="http://xmradio.com/activation/">to Contact XM Satellite Radio on the internet available channels (Channel 4 or higher) activate your subscription, or you can call 1-800-XM-RADIO (1-800-967-2346). Once completed, the unit tunes in to one of the

\* XM Tuner: XMDirect™ Tuner Box or XMDirect2 Tuner System



### You can preset up to 18 channels for both SIRIUS and Storing channels in memory

Ex.: Storing channel into preset number "P04."

- 1 Tune in to a channel you want to store (see steps 1 - 3 above).
- Select preset number.



MEMORY

While selecting "XM," select "Channel 0." Checking the XM Satellite Radio ID



8-digit (alphanumeric) ID number. The display alternately shows "RADIO ID" and the

other than "Channel 0." To cancel the ID number display, select any channel

# Selecting SIRIUS/XM preset station



# Listening to the iPod/iPhone

You can connect the iPod/iPhone using the following cable or adapter:

Cable/adapter	To operate
USB 2.0 cable (accessory of the iPod/iPhone)	See "When connected with the USB cable" below
Interface Adapter for iPod—KS-PD100 (not supplied)*	See "When connected with the interface adapter"

page 22.

You cannot connect the iPhone.

# When connected with the USB cable

Pod/iPhone playback (see page 31). The operations explained below are under "HEAD MODE." Preparation: Select the controlling terminal, "HEAD MODE (this unit)" or "IPOD MODE (iPod/iPhone)" for



# Selecting a track from the menu

Enter the main menu.



Select the desired menu.



SONGS ←→ PODCASTS ←→ GENRES ←→ COMPOSERS PLAYLISTS ←→ ARTISTS ←→ ALBUMS ←→

### 3 Select the desired track



- [Turn] → [Press]
- To return to the previous menu, press BACK.
- Holding BACK allows you to switch the setting between "HEAD MODE" and "IPOD MODE."

Pressing (or holding) the following buttons allows you



[Press]: Pause/resume playback



[Hold]: Reverse/fast-forward track [Press]: Select track

Selecting a track from the menu

Enter the main menu.

[Hold] The playback mode menu is called

[Turn] → [Press] REPEAT ←→ RANDOM

> SONG RND RANDOM

Functions the same as "Shuffle

Songs" of the iPod/iPhone.

w

 $[Turn] \rightarrow [Press]$ 

ALL RPT ONE RPT REPEAT of the iPod/iPhone. Functions the same as "Repeat One'

of the iPod/iPhone. Functions the same as "Repeat All"

**₹** 

done for about 5 seconds.

This mode will be canceled if no operations are

Select the desired menu.

When "Repeat" is set to "Off" for the iPod/iPhone,

connecting the iPod/iPhone changes the setting to "ALL RPT." You cannot select "RPT OFF" for the iPod/iPhone connected with the USB cable.



SONGS ←→ GENRES ←→ COMPOSERS ←→ PLAYLISTS ←→ ARTISTS ←→ ALBUMS ←→

 To return to the previous menu, press BACK. To cancel random play, select "RND OFF."

(back to the beginning) at a time. Pressing and holding the button skips 10 items

### Confirm the selection.

RANDOM



**Preparation:** Make sure "CH/IPOD" is selected in the "SELECT SRC" → "EXT IN" setting, see page 31.

SRC

Select "IPOD."

The indicator lights up on the display.

(I),

Select a song.

Playback starts automatically.

When connected with the interface adapter

- To return to the previous menu, press ...
- If a track is selected, playback starts automatically.



 To resume playback, press the Pause playback button again.

[Hold]: Reverse/fast-forward track [Press]: Select tracks

### [Hold] The playback mode menu is called



REPEAT ←→ RANDOM



 $[Turn] \rightarrow [Press]$ 

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

	SONG RND		ALBUM RND*
Songs" of the iPod.	Functions the same as "Shuffle	Albums" of the iPod.	Functions the same as "Shuffle

- To cancel repeat play or random play, select "RPT OFF" or "RND OFF."
- To return to the previous menu, press BACK.
- \* Functions only if you select "ALL" for "ALBUMS" in the

# Purchasing your favorite songs

while listening to HD Radio programs (see page 11) You can easily purchase the songs you have tagged

For purchasing the tagged songs, you need to perform the following operations:

- 1 Transfer the PSDs of the tagged songs to the iPod/ iPod/iPhone.") iPhone. (See "Transferring the tagged PSD to your
- 2 Transfer the PSDs of the tagged songs to iTunes, then songs at iTunes Store.") purchase the songs at iTunes Store. (See "Purchasing

### Transferring the tagged PSD to your iPod/iPhone

- For the type of iPod/iPhone compatible with iTunes lagging, see page 36.
- is required for transferring a tagged PSD Your iPod/iPhone must have 32 KB free space, which

Connect the iPod/iPhone to the unit after storing the tagged PSDs on the unit.



The tagged PSDs are transferred to your iPod/iPhone

While transferring the tagged PSDs...



Number of PSDs transferred to the iPod/iPhone Number of PSDs stored on the unit

 When all tagged PSDs are transferred to the iPod. iPhone...

COMPLETED

You cannot transfer the tagged PSDs to the iPod/ iPhone in the following cases:

- When the connected iPod/iPhone is not compatible TAGGING" appears.) with iTunes Tagging. ("UNSUPPORTED DEVICE FOR

 When the memory of the iPod/iPhone is full. ("CAN'T TRANS IPOD FULL" appears.)

- When disconnecting the iPod/iPhone during data transfer. ("TRANS ERROR" appears.)

are automatically deleted from the unit. After the data transfer is completed, the tagged PSDs

(Available only when USB-IPOD is selected.) To cancel the data transfer, press and hold TAG

# Purchasing songs at iTunes Store

- iTunes 7.4 or later version is required to purchase the tagged songs.
- For details about iPod/iPhone and iTunes, refer also to the instructions supplied with the iPod/iPhone or visit < http://www.apple.com>.
- 1 Connect the iPod/iPhone to the PC.



- Synchronize the iPod/iPhone to the iTunes. displays the list of the tagged songs. The tagged PSDs are transferred to PC, and iTunes
- You can purchase the tagged songs at iTunes
- After the data transfer is completed, the stored PSD are automatically deleted from the iPod/iPhone.

See page 36 about warning messages for iTunes

# listening to the other external components

ou can connect an external component to:

**EXT INPUT**: CD changer jack on the rear of this unit using the following adapters (not supplied) KS-U57: For connecting the component with pin jacks

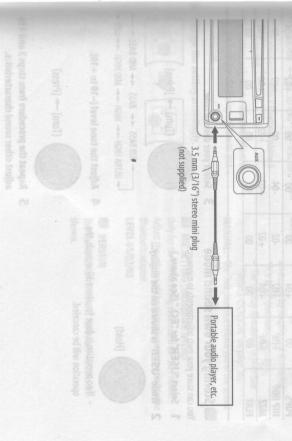
KS-U58: For connecting the component with stereo mini jack

AUX IN: Input jack on the control panel. Preparation: Make sure "EXT INPUT" is selected in the "SELECT SRC" → "EXT IN" setting, see page 31.

Preparation: Make sure "AUX ON" is selected in the "SELECT SRC" → "AUX IN" setting, see page 31.

4		w	2	-
	[mil]	)+		SRC
Adjust the sound as you want (see page 26).	Substitution of the County of	Adjust the volume.	Turn on the connected component and start playing the source.	Select "EXT INPUT" or "AUX IN."

connecting an external component to the AUX input jack



The menu is called up.

 $[Turn] \rightarrow [Press]$ Repeat this procedure

Select "EQ" → "USER/ROCK/CLASSIC/POPS/ HIP HOP/JAZZ/FLAT."

# Preset value setting for each sound mode

Mode	SUB BASS	BASS	MID BASS	MID	MID HIGH	HIGH	ULTR/
	And the court			Consistent			H
Frequency	60 Hz	150 Hz	400 Hz	1 kHz	2.4 kHz	6 kHz	151
USER	00	00	00	00	00	00	0
ROCK	+06	+04	00	00	+02	+04	+
CLASSIC	+02	+06	+02	00	00	+04	0
POPS	00	+04	00	00	00	+02	+
HIP HOP	+08	+02	-02	-04	00	+02	0
JAZZ	+06	+04	+02	+02	+02	+06	+(
FLAT	00	00	00	00	00	00	0

# Storing your own sound mode

You can store your own adjustments in memory

- 1 Select "USER" for "EQ." (See above.)
- 2 While "USER" is shown on the display...



 If no operation is done for about 30 seconds, the operation will be canceled.

> W Select your desired tone.



[Turn] → [Press]

ULTRA HIGH \*\* HIGH \*\* MID HIGH \*\* MID \* → SUB BASS → BASS → MID BASS →

4 Adjust the tone level (-10 to +10).



G Repeat the procedure from steps 3 and 4 to adjust other sound characteristics.

# Bluetooth settings

ou can change the settings listed on the right column ording to your preference.

- Select "BT PHONE" or "BT AUDIO."
- **Enter the Bluetooth menu**



Select "SETTINGS."







Select a setting item.







→ VERSION → MIC SETTING\*1 → MSG INFO\*2 → → AUTO CNNCT → AUTO ANSWER\*1 →

\*1 Appears only when a Bluetooth phone is

connected.

\*2 Appears only when a Bluetooth phone is message. connected and it is compatible with text

Change the setting accordingly.





Setting menu (\_\_: Initial)

AUTO CNNCT (connect)

established automatically with... When the unit is turned on, the connection is

LAST: OFF: No Bluetooth device. The last connected Bluetooth device.

ORDER: The available registered Bluetooth device found first.

#### **AUTO ANSWER**

0N: Only for the device being connected for "BT PHONE."

automatically. The unit answers the incoming calls

REJECT: The unit rejects all incoming calls. The unit does not answer the calls automatically. Answer the calls manually

MSG INFO (message info)

Only for the device being connected for "BT PHONE."

AUTO: "RCV MSG" (receiving message). a message by ringing and displaying The unit informs you of the arrival of The display illuminate in blue (see

MANUAL: The unit does not inform you of the arrival of a message. "RING COLOR" on page 30).

MIC SETTING (microphone setting)

Only for the device being connected for "BT PHONE." Bluetooth adapter. Adjust the volume of the microphone connected to the

#### VERSION

LEVEL 01/02/03

shown. The Bluetooth software and hardware versions are

## Menu operations

2





#### Select the desired item. [Turn] → [Press]

#### W · To return to th Repeat step 2

 To exit from th DISP or MENU press BACK.

SURGETURE BATTE	ic iliciia, picoo	ne menii nress	ic previous ilicilu,	ne previous menu	if noroccan	
	DISF	PLAY	4			
	the stort is polytract	Scroll	SCROLL*4	8787	Dimmer	
Pressing DISP for mo	· SCROLL OFF:	· SCROLL AUTO:	· SCROLL ONCE:	· DIMMER ON:	· DIMMER OFF:	

regory	DIMMER DIMMER	DIMMER AUTO:	<ul> <li><u>DIMMER AUTO</u>: Dims the display when you turn on the headlights.*3</li> </ul>
	Dimmer	· DIMMER OFF:	Cancels.
	SEED	· DIMMER ON:	Dims the display and button illumination.
1	SCROLL*4	· SCROLL ONCE:	Scrolls the displayed information once.
LAY	Scroll	· SCROLL AUTO:	Repeats scrolling (at 5-second intervals)
DISP	such Faund Bjohapan	· SCROLL OFF:	Cancels.
1		Pressing DISP for mo	Pressing DISP for more than one second can scroll the display regardless of the

**ENGLISH** 

\*2 Displayed only when "CLOCK ADJ" is set to "AUTO."

"CLOCK OFF" to save the car's battery.

Some characters or symbols will not be shown correctly (or will be blanked) on the display. The illumination control lead connection is required. (See "Installation/Connection Manual.")

Displayed only when FM or AM is selected as the source. Displayed only when SIRIUS Satellite Radio is connected.

AUD	10		Ursing	RIN	G COLOI	2		MENU OLOR		COL	.OR	Category	
Sending others p	Volume adjust	Balance*9	Fader	P. LOPE SECTION OF SEC	niily color	RING COLOR*7	hopisy requires	Menu color	MENII COLOR	— COLUN 29,	COLOR 01	Category Menu items	
on the large to the cold	VOL ADJ -10 — VOL ADJ +10: [Initial: VOL ADJ 00]	BALANCE L12  — BALANCE R12:	FADER R12 — FADER F12:	HOUSE STATE OF THE	Į.	· OFF:	6 26 count can acroll place	· ON	OFF.	(See also page 32 for USER color setting.)	Select one of the pres	Selectable settings, [reference page]	
<ul> <li>Before making an adjustment, select the source you want to adjust.</li> </ul>	Preset 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	Adjust the left and right speaker output balance. [Initial: 00]	Adjust the front and rear speaker output balance. [Initial: 00]	When the unit receive a text message, the display only illuminate in blue.	<ul> <li>The display will change to the original color when you answer the call or the incoming call stops.</li> </ul>	Cancels.  When a call comes in the display will flash in blue.	operations.	Changes the display and button (except EQ/Φ/ATT/♠) illumination during menu, list search and playback mode	Cancels	USER color setting.)	Select one of the preset or user color for display and button (except EQ/b/ATT	, [reference page]	
	IPOD SWITCH	TAG ALL CLR	SE	LECT SR	c			AUDIO	0			Category	
The volume level automatically changes to "VOLUME 30" if set higher than "VOLUME 30."  Set higher than "VOLUME 30."	iPod/iPhone control	TAG ALL CLR Tag all clear	Aux IN*14 Auxiliary input	External input	AM*11 AM station		control	Amplifier gain	Keypress tone	BEEP	Subwoofer level	ategory Menu items	
Illy changes to "VOLU ."	• HEAD MODE: • IPOD MODE:	<ul> <li>Clears all tag inforr</li> <li>Hold the Control</li> </ul>	· AUX OFF: · AUX ON:	• CH/IPOD: • EXT INPUT:	- AM OFF: - AM ON:	• OFF:	Peled a primary	· LOW POWER:	BEEP ON:	BEEP OFF:	— SUB.W 00:	Selectable settin	a I . I la caddin
The volume level automatically changes to "VOLUME 30" if you change to "LOW POWER" with the volume level higher than "VOLUME 30."  When the course of the retain "AM" is collected.	Controls iPod/iPhone playback through the unit. Controls iPod/iPhone playback through the iPod/iPhone.	1 3	Disable "AUX IN" in source selection.  Enable "AUX IN" in source selection, [4].	To use a JVC CD changer, [18], or an Apple iPod, [22]. To connect portable audio player to the CD changer jack, [25]	Disable "AM" in source selection. Enable "AM" in source selection, [4].	Deactivates the built-in amplifier.	speaker.)	VOLUME 00 — VOLUME 30 (Select if the maximum power of each speaker is less than 50 W to prevent damaging the	Activates the keypress tone.	Deactivates the keypress tone.	[Initial: SUB.W 04]	Selectable setting, Irenerence pages	בחבת היתהיה הלהים

"YOL ADJ FIX" appears on the display if "FM", "BT PHONE", "Isplayed only when any source other than "AM" is selected. Displayed only when one of the following sources is selected—FM, AM, CD, BT PHONE, BT AUDIO, or AUX IN.

Displayed only when any source other than "AUX IN" is selected. Not required for SIRIUS/XM tuners and Bluetooth.

Displayed only when "USB-IPOD" is selected and "IPOD MODE" is available for the connected iPod/iPhone (see

\*7 Displayed only when Bluetooth adapter, KS-BTA200 is connected. frequency Frequencies lower than 157 Hz are sent to the subwoofer.

· HIGH

Subwoofer cutoff • MID:

Frequencies lower than 111 Hz are sent to the subwoofer. Frequencies lower than 72 Hz are sent to the subwoofer.

or "BT AUDIO" is selected as the source.

\*8 If you are using a two-speaker system, set the fader level to "00." \*9 This adjustment will not affect the subwoofer output.

4



[Hold] Menu is called up.

U

Select a primary color.

[Turn] → [Press]

\* RED \*\* GREEN \*\* BLUE \*



Repeat this procedure

- "COLOR 29"/"USER" Select "COLOR" → "COLOR 01

0

primary color.

Adjust the level (00 to 31) of the selected

#### Creating your own color -USER Color

You can create your own colors—"DAY COLOR" or "NIGHT COLOR."

- DAY COLOR: color for the display and buttons.
- NIGHT COLOR: color for the display and buttons when display is dimmed.

Repeat steps 5 and 6 to adjust other prima

appears on the display.

If "00" is selected for all the primary colors, not

 $[Turn] \rightarrow [Press]$ 

Exit from the setting.

1 Call up the menu.



2 Select "COLOR" → "USER."



buttons and display.

Select "USER" to show your own colors for the

operation will be canceled.

W While "USER" is shown on the display...



# Nore about this unit

#### I Basic operations rning on the power

 $[Turn] \rightarrow [Press]$ 

DAY COLOR -- NIGHT COLOR

in the power. If the source is ready, playback also y pressing SRC button on the unit, you can also turn

#### rning off the power

reviously next time you turn on the power. hayback will start from where it had been stopped you turn off the power while listening to a track,

you change the source while listening to a disc, Mayback stops.

playback will start from where it had been stopped previously. vext time you select "CD" as the playback source,

playback source. perate some of the buttons. Insert another disc Mer ejecting a disc or disconnect a USB device, connect a USB device, or press SRC to select another NO DISC" or "NO USB" appears and you cannot

ressing MENU button, the operation will be no operation is done for about 30 seconds after

### I Tuner operations

# If no operation is done for about 30 seconds, the soring stations in memory

uring SSM search...

when a new station is stored with the manual resetting, the previously preset station is erased and All previously stored stations are erased and All stations including HD Radio stations are When SSM is over, the station stored in the lowest searched and stored for the selected band. preset number will be automatically tuned in. stations are stored newly.

## stening to a preset station

ne new one is stored in the same preset number.

sound comes out until a broadcast is tuned in

### Disc operations

ENGLISH

# Caution for DualDisc playback

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

- This unit has been designed to reproduce CDs/CD Texts, and CD-Rs (Recordable)/CD-RWs (Rewritable) in audio CD (CD-DA), MP3 and WMA
- When a disc is inserted upside down, "PLEASE" and eject the disc. "EJECT" appear alternately on the display. Press to
- MP3 and WMA "tracks" (words "file" and "track" are While fast-forwarding or reversing on an MP3 or used interchangeably) are recorded in "folders." WMA disc, you can only hear intermittent sounds

### Playing a CD-R or CD-RW

- Use only "finalized" CD-Rs or CD-RWs.
- This unit can only play back files of the same type as (CD-DA) files and MP3/WMA files. those detected first if a disc includes both audio CD
- unclosed sessions will be skipped while playing. This unit can play back multi-session discs; however
- Some CD-Rs or CD-RWs may not play back on this unit because of their disc characteristics, or for the following reasons:
- Discs are dirty or scratched.
- Moisture condensation has occurred on the lens inside the unit.
- The pickup lens inside the unit is dirty.
- The files on the CD-R/CD-RW are written using the "Packet Write" method.
- There are improper recording conditions (missing warped, etc.). data, etc.) or media conditions (stained, scratched

Continued on the next page

- Do not use the following CD-Rs or CD-RWs:
- Discs with stickers, labels, or a protective seal stuck
- Discs on which labels can be directly printed by an ink jet printer.

Using these discs under high temperature or high humidity may cause malfunctions or damage to the

#### Ejecting a disc

 If the ejected disc is not removed within 15 seconds to protect it from dust. Playback starts automatically it is automatically inserted into the loading slot again

### Playing an MP3/WMA disc

- This unit can play back MP3/WMA files with the the letter case—upper/lower). extension code <.mp3> or <.wma> (regardless of
- 2.4) for MP3 files and for WMA files. This unit can show the names of albums, artists (performer), and Tag (Version 1.0, 1.1, 2.2, 2.3, or
- other characters can be correctly displayed. This unit can display only one-byte characters. No
- This unit can play back MP3/WMA files meeting the
- Bit rate: 32 kbps 320 kbps
- Sampling frequency: Disc format: ISO 9660 Level 1/Level 2, Romeo, 24 kHz, 22.05 kHz, 16 kHz (for MPEG-2) 48 kHz, 44.1 kHz, 32 kHz (for MPEG-1)
- The maximum number of characters for file/folder names vary among the disc format used (includes 4
- extension characters—<.mp3> or <.wma>). - ISO 9660 Level 1: up to 12 characters
- ISO 9660 Level 2: up to 31 characters
- Joliet: up to 32 characters Romeo: up to 64 characters
- This unit can play back files recorded in VBR (variable

this difference becomes noticeable. time. Especially, after performing the search functi time display, and do not show the actual elapsed Files recorded in VBR have a discrepancy in elapsed

- This unit can recognize a weal of 512 files and of 25
- This unit cannot play back the following files:
- MP3 files encoded with MP3i and MP3 PR0 forn
- MP3 files encoded with Layer 1/2. MP3 files encoded in an inappropriate format.
- WMA files encoded with lossless, professional, an
- WMA files which are not based upon Windows Media® Audio.
- WMA files copy-protected with DRM.
- Files which have the data such as WAVE, ATRAC3
- constant The search function works but search speed is not

### USB operations

- If "NO USB" appears after removing a device, reatta a device or select another playback source.
- When the USB device has no playable files "NO FILE correctly, "NOT SUPPORT" flashes. appears, or when the files have not been formatted
- The unit cannot recognize a USB device whose ratin is other than 5 V and exceeds 500 mA
- While playing from a USB device, the playback orde may differ from other players.
- devices or some files due to their characteristics or This unit may be unable to play back some USB recording conditions.
- data security functions cannot be used with the un USB devices equipped with special functions such

ERROR

by the operation again. If "ERROR" appears again

meck if the device supports the function you have

- Depending on the shape of the USB devices and Do not use a USB device with 2 or more partitions connection ports, some USB devices may not be
- When connecting a USB device, refer also to its attached properly or the connection might be loos
- Connect only one USB device to the unit at a time.
- This unit may not recognize a memory card inserted into the USB card reader

When connecting with a USB cable, use the USB 2.0

This unit may not play back files in a USB device This unit cannot assure proper functions or supply power to all types of USB devices. properly when using a USB extension cord.

This unit can recognize a total of 63 characters for compatible file system is FAT 32, FAT 16, or FAT 12. me/folder names (including the extension cord). tolders (a maximum of 255 files per folder). This unit can recognize a total of 65 025 files and 255 This unit is not compatible with FAT 64 or NTFS. The

## Bluetooth operations

#### enera

such as dialing the numbers, using phone book, etc. While driving, do not perform complicated operation When you perform these operations, stop your car in

some Bluetooth devices may not be connected to this unit depending on the Bluetooth version of the

When the unit is turned off, the device is connecting condition may vary depending on the This unit may not work for some Bluetooth devices urcumstances around you.

# Warning messages for Bluetooth operations

## IRROR CNNCT (Error Connection)

use "CONNECT" to connect the device again. (See the device is registered but the connection has failed

to available Bluetooth device is detected by UNFOUND

#### LOADING

the unit is updating the phone book\*.

Displays only when your cellular phone is equipped with this function and is compatible with this unit

#### · PLEASE WAIT

the unit, then connect the device again (or reset the the message does not disappear, turn off and turn on The unit is preparing to use the Bluetooth function. If

**ENGLISH** 

#### RESET 8

Check the connection between the adapter and this

# Satellite Radio operations

- up, visit < http://www.sirius.com>. To know more about SIRIUS Satellite Radio or to sign
- For the latest channel listings and programming information, or to sign up for XM Satellite Radio, visit <a href="http://www.xmradio.com">http://www.xmradio.com</a>>

## iPod/iPhone operations

- You can control the following types of iPods/iPhones
- Through the USB 2.0 cable
- iPod with video (5th Generation)\*1
- iPod classic\*1,\*2
- iPod nano
- iPod nano (2nd Generation)\*2
- iPod nano (3rd Generation)\*1,\*2
- iPod nano (4th Generation)\*1,\*2
- iPod Touch/iPod Touch (2nd Generation)\*1,\*2 iPhone/iPhone 3G\*1,\*2
- Through the interface adapter

- iPod with dock connector (3rd Generation) iPod with Click Wheel (4th Generation)
- iPod mini
- iPod nano iPod photo
- iPod with video (5th Generation)\*1
- iPod classic\*1
- iPod nano (2nd Generation)
- iPod nano (3rd Generation)\*1
- iPod nano (4th Generation)\*1,\*3
- \*1 It is not possible to browse video files on the "Videos
- \*2"|POD MODE" (see page 21) is available
- \*3It is not possible to charge the battery through this unit

Continued on the next page

- iPod classic, software version 1.0 or later
- iPod nano (3rd Generation), software version 1.0 or
- iPod nano (4th Generation), software version 1.0 or
- iPod Touch, software version 2.1 or later
- iPhone/iPhone 3G, software version 2.1 or later
- If the iPod/iPhone does not play correctly, please visit <a href="http://www.apple.com">http://www.apple.com</a>. update your iPod/iPhone software to the latest version. For details about updating your iPod/iPhone
- When you turn on this unit, the iPod/iPhone is charged through this unit.
- The text information may not be displayed correctly.
- If the text information contains more than 11 and up to 33 characters for "USB-IPOD." characters, it scrolls on the display. This unit can display up to 40 characters for "IPOD"

# Warning messages for iTunes Tagging

#### · MEMORY FULL

tagged PSDs to the iPod/iPhone, or clear all tagged PSDs. (See page 11.) You are trying to store the 61st PSD. Transfer the

### TAG ALREADY SAVED

NO TAG DATA You are trying to tag the song for the 2nd time while receiving one song.

# the iTunes Tagging or the broadcast does not provide

The broadcast currently received does not support

CAN'T TRANS IPOD FULL The memory of the iPod/iPhone is full.

# UNSUPPORTED DEVICE FOR TAGGING

iTunes Tagging. The connected iPod/iPhone is not compatible with

#### TRANS ERROR

The iPod/iPhone is disconnected during data trans-

#### TRANS OFF

Data transfer is canceled.

#### Notice:

website only) In this case, visit the following JVC web site: may not be performed correctly or as intended. <a href="http://www.jvc.co.jp/english/car/">http://www.jvc.co.jp/english/car/">(English When operating an iPod/iPhone, some operations

### Menu operations

If you change the "AMP GAIN" setting from the volume level is set higher than "VOLUME 30," "VOLUME 30." the unit automatically changes the volume level to "HIGH POWER" to "LOW POWER" while

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

## roubleshooting

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

ENGLISH

		FM/AM						Gen	eral		
The clock becomes wrong when receiving HD Radio stations.	The song cannot be tagged.	No sound can be heard.	Sound quality changes when receiving HD Radio stations.	• "AM" cannot be selected.	Static noise while listening to the radio.	SSM automatic presetting does not work.	Nothing appears on the display.	• "AUX IN" cannot be selected.	The unit does not work at all.	Sound cannot be heard from the speakers.	Symptoms
Set "CLOCK ADJ" to "OFF" (see page 28).	The HD Radio broadcast does not support iTunes Tagging function or the broadcast does not contain PSD. You can tag the PSD only when the TAG indicator lights up on the display.	<ul> <li>"ANALOG" is selected when receiving all digital broadcast of HD Radio station. Select "DIGITAL" or "AUTO" (see pages 9 and 29).</li> <li>"DIGITAL" is selected when receiving weak digital signals or receiving conventional radio broadcast. Select "ANALOG" or "AUTO" (see pages 9 and 29).</li> </ul>	Fix the reception mode either to "DIGITAL" or "ANALOG" (see pages 9 and 29).	Check the "SELECT SRC" $\rightarrow$ "AM" setting (see page 31).	Connect the antenna firmly.	Store stations manually.	Check the "USER" color setting (see page 32).	Check the "SELECT SRC" $\rightarrow$ "AUX IN" setting (see page 31).	Reset the unit (see page 3).	<ul> <li>Adjust the volume to the optimum level.</li> <li>Check the cords and connections.</li> </ul>	Remedies/Causes

Symptoms

Remedies/Causes

Symptoms

Remedies/Causes

	SERFORIO DE LA CARRA DE LA													ENGL	.ISH
			MP3/W	MA playb	ack							Disc p	layback		
The correct characters are not displayed (e.g. album name).	<ul> <li>"NO FILE" appears on the display.</li> </ul>	the embosed hand tille to that collect.	Tracks do not play back in the order you have intended them to play.  The elanced playing time is not correct.	A longer readout time is required ("READING" keeps flashing on the display).		Noise is generated.	Warton and State of the State o	Disc cannot be played back.	<ul> <li>"PLEASE" and "EJECT" appear alternately on the display.</li> </ul>	<ul> <li>"NO DISC" appears on the display.</li> </ul>		Disc sound is sometimes interrupted.	<ul> <li>Disc can neither be played back nor ejected.</li> </ul>	CD-R/CD-RW cannot be played back.     Tracks on the CD-R/CD-RW cannot be skipped.	Disc cannot be played back.
This unit can only display letters (upper case), numbers, and a limited number of symbols.	Selected folder is an empty folder *1. Select another folder that contains MP3/WMA tracks.	how the tracks are recorded on the disc.	The playback order is determined when the files are recorded.	Do not use too many hierarchical levels and folders.	WMA tracks.)	Skip to another track or change the disc. (Do not add the	<ul> <li>Add the extension code &lt;.mp3&gt; or &lt;.wma&gt; to the file names.</li> </ul>	<ul> <li>Use a disc with MP3/WMA tracks recorded in a format compliant with ISO 9660 Level 1, Level 2, Romeo, or lolic*</li> </ul>	Press ♠, then insert a disc correctly.	Insert a playable disc into the loading slot.	Check the cords and connections.	<ul> <li>Stop playback while driving on rough roads.</li> <li>Change the disc.</li> </ul>	Unlock the disc (see page 12).     Eject the disc forcibly (see page 3).	<ul> <li>Insert a finalized CD-R/CD-RW.</li> <li>Finalize the CD-R/CD-RW with the component which you used for recording.</li> </ul>	Insert the disc correctly.
	in W (e							USB p	layback						
	orners to under the Charles were the	And the Color of t	While playing a track, sound is sometimes interrupted.	The correct characters are not displayed (e.g. album name).	• "NOT SUPPORT" appears on the display.	and the contract of the contract.	"CANNOT PLAY" appears on the display. "NO USB" appears on the display. The unit cannot detect the II's device		• Tracks/folders are not played back in the order you have intended them to play.		• "NO FILE" appears on the display.		"READING" keeps flashing on the display.		Noise is generated.
Company of the State of the Sta		A STATE OF THE STA	The tracks have not been properly copied into the USB device. Copy tracks again into the USB device, and try again.	This unit can only display letters (upper case), numbers, and a limited number of symbols.	Check whether the track is a playable file format.	USB device again.	Check whether the connected USB device or the iPod is compatible with this unit.  The IISR device is not connected according to the iPod.  The IISR device is not connected according to the iPod.  The IISR device is not connected according to the iPod.  The IISR device is not connected according to the iPod.  The IISR device is not connected according to the iPod.  The IISR device is not connected according to the iPod.  The IISR device is not connected according to the iPod.  The IISR device is not connected according to the iPod.  The IISR device is not connected according to the iPod.  The IISR device is not connected according to the iPod.	no numbers on the initial of their names are sorted according to the file system of the USB device.	The playback order is determined by the file name. Folders with numbers on the initial of their names	device, or the iPod/iPhone contains a playable file.	Check whether the selected folder, the connected USB	<ul> <li>Do not pull out or connect the USB device repeatedly while "READING" is displayed on the display.</li> </ul>	<ul> <li>Readout time varies depending on the USB device.</li> <li>Do not use too many hierarchy or folders.</li> <li>Turn off the power then on again.</li> </ul>	Skip to another file.  • Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.	The track played back is not a playable file format.

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									Diak	stootii -						
The CD changer does not work at all.	• "RESET 1" — "RESET 7" appears on the display.	• "RESET 8" appears on the display.	"NO MAGAZINE" appears on the display.	<ul> <li>"NO DISC" appears on the display.</li> </ul>	The connected audio player cannot be controlled.	playback of a Bluetooth audio player.	The sound is interrupted or skipped during	<ul> <li>Phone sound quality is poor.</li> </ul>	Echo or noise occurs.		• The unit does not make pairing with the Bluetooth device.	device.	The unit does not detect the Bluetooth		<ul> <li>Bluetooth device does not detect the unit.</li> </ul>	Symptoms
Reset the unit (see page 3).	Press the reset button of the CD changer.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.	Insert the magazine.	Insert a disc into the magazine.	Check whether the connected audio player supports AVRCP (Audio Video Remote Control Profile).	Bluetooth audio player.  Disconnect the device connected for "BT PHONE."  Turn off, then turn on the unit.  (When the sound is not yet restored,) connect the device again.	Reduce the distance between the unit and the	<ul> <li>Reduce the distance between the unit and the Bluetooth cellular phone.</li> <li>Move the car to a place where you can get a better signal reception.</li> </ul>	Adjust the microphone unit position.	<ul> <li>Select the device name from "SPECIAL," then try to connect again. (See page 15.)</li> <li>Try to pair/connect from the Bluetooth device.</li> </ul>	<ul> <li>Enter the same PIN code for both the unit and target device.</li> </ul>	<ul> <li>Search from the Bluetooth device. After the device detects the unit, select "OPEN" on the unit to connect the device. (See page 14.)</li> </ul>	Check the Bluetooth setting of the device.	device and search again.	The unit can be connected with one Bluetooth cellular phone and one Bluetooth audio device at a time.  While connecting a device, this unit cannot be detected from another device Disconnect the corrections.	Remedies/Causes
	** NO CA							Satellite Rad	Sio							
	OLAHEGORY, NO ARTIST, NO COMPOSER, and NO SONG/PROGRAM.	"RESET 8" appears on the display. Satellite Radio does not work at all.	listening to the XM Satellite Radio.	"I OADINO" apparent the disclandaria	<ul> <li>"OFF AIR" appears on the display while listening to the XM Satellite Radio.</li> </ul>	• "—" appears on the display for about 2 seconds, then returns to the previous channel while listening to the XM Satellite Radio.	to the XM Satellite Radio.	<ul> <li>"NO (information)*3" scrolls on the display while listening to the SIRIUS Satellite Radio.</li> <li>"—" appears on the display while listening</li> </ul>	SIRIUS Satellite Radio.	<ul> <li>"NO CHANNEL" appears on the display for about 5 seconds, then returns to the previous display while listening to the</li> </ul>	<ul> <li>"NO ANTENNA" or "ANTENNA" appears on the display.</li> </ul>	<ul> <li>"NO SIGNAL" or "ACQUIRING" appears on the display.</li> </ul>	"UPDATE XXX%" appears on the display.	<ul> <li>No sound can be heard. "UPDATING" or</li> </ul>	<ul> <li>"CALL 1-888-539-SIRIUS TO SUBSCRIBE" scrolls on the display while listening to the SIRIUS Satellite Radio.</li> </ul>	Symptoms
	PROGRAM.	Reconnect this unit and the Satellite Radio correctly and reset this unit.	Text information are temporarily unavailable.	The unit is leading the change information and adding	Selected channel is not broadcasting at this time. Select another channel or continue listening to the previous channel.	Selected channel is no longer available or is unauthorized. Select another channel or continue listening to the previous channel.	The state of the s	No text information for the selected channel.		No broadcast on the selected channel. Select another channel or continue listening to the previous channel.	Connect the antenna firmly.	Move to an area where signals are stronger.	a few minutes to complete.	The unit is updating the channel information and it takes	Starts subscribing to SIRIUS Satellite Radio (see page 19).	Remedies/Causes

Bluetooth\*2

**ENGLISH** 

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\*2 For Bluetooth operations, refer also to the instructions supplied with the Bluetooth Adapter.

CD changer

#### iPod/iPhone The iPod/iPhone's controls do not work "RESET 8" appears on the display. The iPod/iPhone does not turn on or does Symptom after disconnecting from this unit "NO FILES" appears on the display "RESET 1" — "RESET 7" appears on the Playback stops "NO IPOD" appears on the display The sound is distorted not work Reset the iPod/iPhone Check the connection between the adapter and this ur Then, connect it again Disconnect the adapter from both this unit and iPod No tracks are stored. Import tracks to the iPod/iPhone. Check the connecting cable and its connection Restart the playback operation (see pages 21 to 23). The headphones are disconnected during playback Charge the battery of the iPod/iPhone Deactivate the equalizer either on this unit or the Check whether "IPOD SWITCH" setting is Charge the battery of the iPod/iPhone. Check the connecting cable and its connection. iPod/iPhone Reset the iPod/iPhone. Update the firmware version of the iPod/iPhone Remedies/Causes appropriate (see page 31).

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"Tagged Playlist" is not shown on the

il unes after synchronizing the iPod/iPhone

later.

Update the version of your iTunes to the version 7.4 or

compatible with the iTunes Tagging function. The iPod/iPhone connected to the unit is not The iPod/iPhone does not have enough memory.

The tagged PSD cannot be transferred to

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the developer to meet Apple performance standards. "Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified

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# aintenance

# How to clean the connectors

hol, being careful not to damage the connectors. mectors with a cotton swab or cloth moistened with minimize this possibility, periodically wipe the uent detachment will deteriorate the connectors

a soft cloth in a straight line from center

Do not use any solvents (for example, conventional

record cleaner, spray, thinner, benzine, etc.) to clear

A dirty disc may not play correctly. If a disc does become dirty, wipe it with

To keep discs clean



# Moisture condensation

hours until the moisture has evaporated. eject the disc and leave the unit turned on for a and this occur, the unit may malfunction. In this After starting the heater in the car. Mure may condense on the lens inside the unit in following cases: the comes very humid inside the car.

### How to handle discs

the case and lift the disc out, press down the center holder men removing a disc from its Center holder

ing it by the edges.

round the center holder (with the printed surface men storing a disc in its case, gently insert the recording surface. aways hold the disc by the edges. Do not touch its

### To play new discs

such a disc is used, this unit may reject around the inner and outer edges. If New discs may have some rough spots



pencil or ball-point pen, etc. To remove these rough spots, rub the edges with a

## Do not use the following discs:

-8 cm (3-3/16") disc Single CD







Sticker and sticker residue



Jnusual shap

wave sure to store discs in cases after use.



transparent disc) C-thru Disc (semi-



transparent parts on its Transparent or semirecording area

and ≤ 1% THD+N	A A BART
into 4Ω)	Compliant Compliant
	40 (40 to 80 allowance)
60	60 Hz, 150 Hz, 400 Hz, 1 kHz, 2.4 kHz, 6 kHz.
15	15 kHz
+	±10 dB
40	40 Hz to 20 000 Hz
KD-AHD59: 5.1	5.0 V/20 kΩ load (full scale)
KD-HDR50: 2.1	2.5 V/20 kΩ load (full scale)
KD-AHD59: 5.0	5.0 V /20 kΩ load (full scale)
KD-HDR50: 2.5	2.5 V/20 kΩ load (full scale)
1 k	Ω
CD	USB input terminal, AUX (auxiliary) input jack, CD changer jack, Steering wheel remote input

NED SECTION (SID D. J. C. J.	A SHI CHILD	STATE OF THE PARTY OF		ndio System Compatible)	(HD Ra	NER SECTION
with Section (no Kadio System Compatible)	NER SECTION (HD Radio System Compatible)	GENERAL	100 LHz 87 5 MUZ +> 107 O MIL	: with channel interval set to 100 kH	FM	equency Range: FM:

AM Tuner Sensitivity: Selectivity: Frequency Res			Capture R	"Sali sudo," (b) Sali sudo ingo s		Stereo Separation:		Frequenc	Alternate	50 dB Qu	FM Tuner Usable Sensitivity:	W	AM: W	W	Frequency Range: FM: w	TUNER SECTION (HD Radio System Compatible)
Response:			Service of the second s	atio	STAR PERCENTING FOR STANFORD	paration:		Frequency Response:	Alternate Channel Selectivity (400 kHz):	50 dB Quieting Sensitivity:	ensitivity:	with channel interval set to 9 kHz	with channel interval set to 10 kHz	with channel interval set to 50 kHz	with channel interval set to 100 kHz or 200 kHz	ystem Compatible)
TO IT IN IT OUT IT IN MAGIO DEGACEST)	10 H+ +n 15 000 H+ (HD Dadis has dane)	80 dB	13 μV	3.5 dB	50 dB (Conventional broadcast)	70 dB (HD Radio broadcast)	40 Hz to 15 000 Hz (Conventional broadcast)	20 Hz to 20 000 Hz (HD Radio broadcast)	65 dB	14.3 dBf (1.4 μV/75 Ω)	8.3 dBf (0.7 μV/75 Ω)	531 kHz to 1 602 kHz	530 kHz to 1 710 kHz	87.5 MHz to 108.0 MHz	87.5 MHz to 107.9 MHz	

	CO PLAYER SECTION	
	O CHALLIS OF BASE PROGRAM	Compact disc player
	Detection System:	Non-contact optical pickup (semiconductor laser)
	tumber of Channels:	2 channels (stereo)
	equency Response:	5 Hz to 20 000 Hz
	Synamic Range:	96 dB
KHz,	to Noise Ratio:	98 dB
	Wow and Flutter:	Less than measurable limit
	Decoding Format: (MPEG1/2 Audio Layer 3)	Max. Bit Rate: 320 kbps
	WMA (Windows Media® Audio) Decoding Format:	Max. Bit Rate: 192 kbps

ENGLISH

All Standards:	USB 2.0 Full Speed
uta Transfer Rate:	Full Speed: Maximum 12 Mbps
	Low Speed: Maximum 1.5 Mbps
impatible Device:	Mass storage class
impatible File System:	FAT 32/16/12
ux Current:	DC 5 V === 500 mA

HERAL		
Requirement:	Operating Voltage:	DC 14.4 V
	aving walder with sada	(11 V to 16 V allowance)
unding System:		Negative ground
wable Operating Temperature:		0°C to +40°C (32°F to 104°F)
$(W \times H \times D)$ : (approx.) Installation Size:	Installation Size:	182 mm × 52 mm × 159.5 mm (7-3/16" × 2-1/16" × 6-5/16")
	Panel Size:	188 mm × 58 mm × 5 mm (7-7/16" × 2-5/16" × 1/4")
	e shashing in	1.4 kg (3.1 lbs) (excluding accessories)

and specifications are subject to change without notice.

and is necessary for your car, consult your telephone directory for the nearest car audio speciality shop.