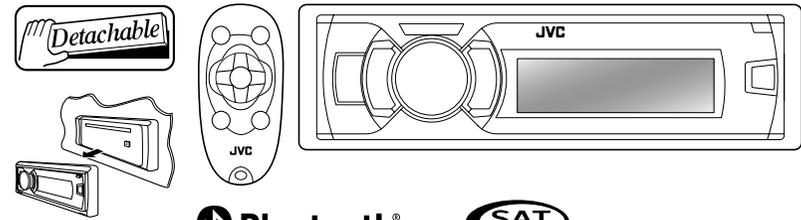


JVC



KD-A95BT

CD RECEIVER / RECEPTOR CON CD / RÉCEPTEUR CD



 **Bluetooth®**

**SAT
RADIO
READY**

WMA MP3



Made for
 **iPod**  **iPhone**

works with
PANDORA®

**COMPACT
disc
DIGITAL AUDIO
TEXT**

JVC

For installation and connections, refer to the separate manual.

INSTRUCTIONS

For Customer Use:

Enter below the Model No. and Serial No. which are located on the top or bottom of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

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.

■ For U.S.A.

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

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

■ Caution:

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

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

JVC KENWOOD Corporation
2967-3, ISHIKAWA-MACHI,
HACHIOJI-SHI, TOKYO, JAPAN

THIS PRODUCT COMPLIES WITH DHHS RULES
21CFR SUBCHAPTER J IN EFFECT AT DATE OF
MANUFACTURE.

Location: Bottom Plate

■ 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:** (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.
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 THE EYES. READER REC00025-12001 (ENG) | ATTENTION RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FR) | AVISO RADIACION LASER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTA ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL OPTICO. (ESP) | WARNING SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASS 1M, NÅR DENNA DEL ÄR ÖPPNAD. BETRÄKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE) | 注意 こを覗くと有害 及び/または不可視 のクラス1M レーザー放射が 出ます。 光学顕微鏡で直接 見ないでください。 (JPN) | CAUTION VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG) |
|---|--|--|--|---|--|



[European Union only]

⚠ **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 sources. 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.

[LT] appears on the display and animation/text scroll will be stopped to prevent the display from being blurred when the temperature falls below 0°C. Once operating temperature is normalised, these functions will start working again.

⚠ **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.

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.

■ **How to read this manual:**

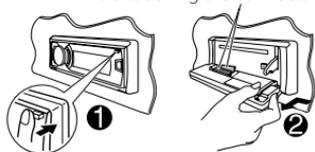
- This manual mainly explains operations using the buttons on the control panel.
- < > indicates the displays on the control panel.
- **[XX]** indicates the initial setting of a menu item.

How to attach the control panel

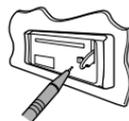


How to detach the control panel

Avoid touching the connectors.



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.

Preparation

Canceling the display demonstration

The display demonstration is always turned on unless you cancel it.

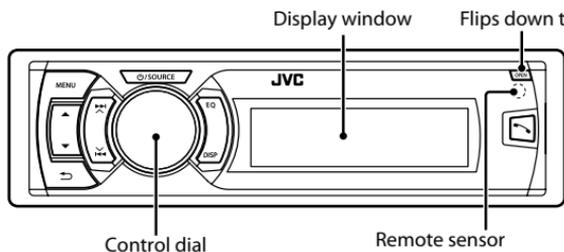
- 1 Press **MENU** (Hold).
 (Hold) 
- 2 Press the **DISC** button.
  (Initial setting)
- 3 Select **<Off>**.
  → 
- 4 Press **MENU** to exit.

Setting the clock

- 1 Press **MENU** (Hold).
 (Hold) 
- 2 Select **<Clock>**.
  → 
- 3 Select **<Set Clock>**.
  → 
- 4 Adjust the hour.
  →  (Initial setting)
- 5 Adjust the minute.
  → 
- 6 Select **<24H/12H>**.
  → 
- 7 Select **<24Hours>** or **<12Hours>**.
- 8 Press **MENU** to exit.

Basic operations

Control panel



Remote controller



Remote sensor

- Aim the remote controller directly at the sensor.
- DO NOT expose to bright sunlight.

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

| Control panel | Remote controller | General function |
|----------------------|-------------------|---|
| ⏻ / SOURCE | — | <ul style="list-style-type: none"> • Turns on. • Turns off. (Hold) • Press the ⏻ / SOURCE button on the control panel and turn the control dial within 2 seconds to select the source. |
| | SOURCE | Press repeatedly to select the source. |
| Control dial (turn) | VOL - / + | Adjusts the volume level. |
| | — | Selects items. |
| Control dial (press) | ⏻ | <ul style="list-style-type: none"> • Mutes the sound or pauses playback. • Press the button again to cancel muting or resume playback. |
| | — | Confirms selection. |
| EQ | SOUND | Selects the preset sound mode. (ⓘ page 23) |
| 📞 | — | <ul style="list-style-type: none"> • Enters “Hands-Free” menu (ⓘ page 18), or answers incoming call when the unit rings. • Ends a call. (Hold) |
| ⏪ | — | Returns to the previous menu. |
| ▲ / ▼ | ▲ / ▼ | <ul style="list-style-type: none"> • Selects a preset station (ⓘ page 7)/category (ⓘ page 10). • Searches for HD Radio stations only. (Hold) • Searches for HD Radio multicast channels. • Selects MP3/WMA/WAV folder. |
| ⏮ / ⏭ | ◀ / ▶ | <ul style="list-style-type: none"> • Searches for a station automatically. • Searches for a station manually. (Hold) • Selects track /Satellite Radio channel. • Fast-forwards or reverses track. / Changes Satellite Radio channel rapidly. (Hold) |

Basic operations

Display information



Changes the display information. (Press)
Scrolls the current display information. (Hold)

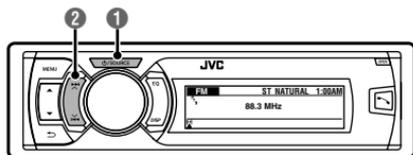
| Source | Display (Normal display pattern)*1 |
|---------------------------------------|--|
| Radio | Non-Radio Broadcast Data System station: Frequency FM Radio Broadcast Data System station: Programme type (PTY)/Frequency/Station name (PS) |
| HD Radio | Track title*2/Album title*2/Frequency |
| Satellite Radio | Category name/Channel name/Track title |
| CD/USB/Bluetooth Audio | Track title/Album title/Artist* |
| iPod/iPhone (Headunit Mode/iPod Mode) | * "No Name" appears for conventional CDs or if not recorded. |
| iPod/iPhone (Application Mode) | Application Mode |
| Pandora® internet radio | Station name/Album title/Track title |
| External Components | Ext Input or Aux In |

*1 Display information varies for large font and large clock display patterns.

*2 "No Text" appears when no text is received.

Radio

Searching for a station



1 Select <FM> or <AM>.

2 Auto search. (Press)
Manual search. (Hold)
"M" appears, then press the button repeatedly.

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

Storing stations in memory

Manual presetting

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

While listening to a station...

1 (Hold)

"Preset Mode" screen appears.

2 Select preset number.



The preset number flashes.

■ Auto presetting (FM)

SSM (Strong-station Sequential Memory)

You can preset up to 18 stations for FM.

- If an HD Radio tuner box is connected, you can also preset up to 6 stations for AM.

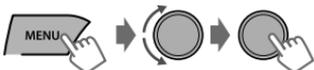
1  (Hold)

2  →<Tuner>
→<SSM>
→<SSM 01 – 06>

“SSM” appears. When all the stations are stored, “SSM” disappears.

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

Selecting a preset station

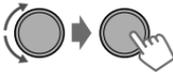


You can also select a preset station using ▲ / ▼.

Setting the Radio Timer

You can tune in to a preset station at a specific time regardless of the current source.

1  (Hold)

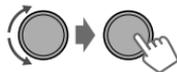
2  →<Tuner>
→<Radio Timer>
→<Off>/<Once>/
→<Daily>

| | |
|-------|----------------------|
| [Off] | Cancels Radio Timer. |
| Once | Activates once. |
| Daily | Activates daily. |

3 Select the preset station.

 →<FM>/<AM>
→<1> ... <18> for FM/
→<1> ... <6> for AM

4 Set the activation time.



5 Press MENU to exit.

-  lights up after the Radio Timer has been set.
- Only one timer can be set. Setting a new timer will override the previous setting.
- The Radio Timer will not activate if the unit is turned off or if <AM> is set to <Hide> after selecting an AM station for the timer. (See page 30)

Searching for your favorite Programs—Program Type (PTY) Search

This feature is only available for FM Radio Broadcast Data System stations.

1  (Hold)

2 Select a PTY code.



PTY Search starts.

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

PTY codes

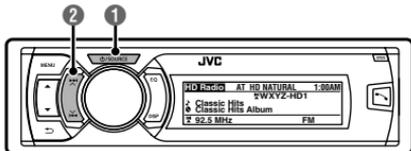
News, Inform (Information), Sports, Talk, Rock, Cls Rock (Classic Rock), Adlt Hit (Adult Hits), Soft Rck (Soft Rock), Top 40, Country, Oldies, Soft, Nostalgia (Nostalgia), Jazz, Classicl (Classical), R & B (Rhythm and Blues), Soft R & B (Soft Rhythm and Blues), Language, Rel Musc (Religious Music), Rel Talk (Religious Talk), Persnlty (Personality), Public, College, Habi Esp (Spanish Talk), Musc Esp (Spanish Music), Hip Hop, Weather

HD Radio™ tuner control

This unit can control the JVC KT-HD300 HD Radio tuner box (separately purchased). Refer to the KT-HD300 instruction manual for installation and connection details.

- 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.

Searching for a station



- 1 Select <FM> or <AM>.
- 2 Auto search. (Press)
Manual search. (Hold)
“M” appears, then press the button repeatedly.

HD Radio station

Call Sign



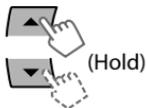
HD Radio multicast channel

First four letters of Call Sign



Channel number

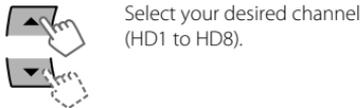
Searching for HD Radio stations only



“HD” flashes when a station is tuned in, and searching stops.

Selecting an HD Radio multicast channel

When receiving HD Radio multicast channels...



“Linking” appears while linking to a multicast channel.

Changing HD Radio reception mode

While receiving an HD Radio broadcast, you can change the reception mode—digital or analog.

- This setting does not take effect for the conventional FM/AM stations.

- 1  (Hold)
- 2 
 - <Tuner>
 - <Blend Hold>
 - <Auto>/<Analog>/<Digital>

| | |
|---------|--|
| [Auto] | Switches between digital and analog audio automatically. “HD” flashes if the radio station forces only analog reception. |
| Analog | Tunes to analog audio only. “ANA” lights up. |
| Digital | Tunes to digital audio only. “DIGI” lights up. |

The setting automatically returns to <Auto> when you tune in to another broadcast.

- For storing stations in memory and selecting a preset station, see page 6.

Satellite Radio tuner control

Before operating, connect either one of the following systems (not supplied) to the expansion port on the rear of this unit. Refer to the "Installation/Connection Manual" for details.

| | |
|-------------------------------|---|
| SIRIUS Satellite Radio | JVC KS-SRA100 (SIRIUS Satellite Radio interface) and <ul style="list-style-type: none">• SCC1 (SiriusConnect Vehicle Tuner) or• SCVDOC1 (SiriusConnect Vehicle Docking Kit) and SIRIUS radio |
| XM Satellite Radio | <ul style="list-style-type: none">• XMDJVC100 (Smart Digital Adapter for JVC) and XM Universal Tuner Box• CNPJVC1 (Connection cable for JVC) and CNP2000UCA (Protocol Interface Adapter and XM Direct 2 Tuner) |

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

Activating your SIRIUS subscription

- 1 Select <SIRIUS>.



SIRIUS Satellite Radio starts updating the SIRIUS channels. Once completed, SIRIUS Satellite Radio tunes in to the Preview Channel.

- 2 Select "Channel 0" to check your SIRIUS ID.



The 12-digit SIRIUS ID will be displayed.

- You can also check your SIRIUS ID from the label on the packaging, or from menu operations (see page 29).

- 3 Contact Sirius Satellite Radio on the internet activate now> to activate your subscription.

Once subscription has been activated, "SUB UPDATE PRESS ANY KEY" appears on the display.

■ Channel Updates (SIRIUS)

- If channels are updated after subscription, updating starts automatically. "UPDATING" appears and no sound can be heard.
- Updates take a few minutes to complete.
- During an update, you cannot operate your Satellite Radio.

Activating your XM subscription

- 1 Select <XM>.



XMDirect2 Tuner System starts updating all the XM channels. "Channel 1" is tuned in automatically.

- 2 Select "Channel 0" to check your XM Satellite Radio ID.



The display alternates between "RADIO ID" and the 8-digit alphanumeric ID number.

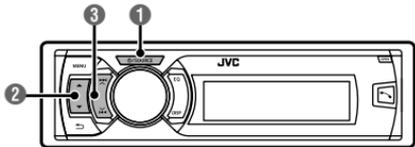
- You can also check your XM Satellite Radio ID labeled on the casing of the XMDirect2 Tuner System.

- 3 Contact XM Satellite Radio on the internet activate your subscription.

Once subscription has been activated, the unit can be tuned to one of the available channels.

Satellite Radio tuner control

Selecting a channel



1 Select <SIRIUS> or <XM>.

2 Select a category.

If you want to select channels of all categories...

- SIRIUS: Select <ALL>.
- XM: Skip this step.

3 Select a desired channel.

Holding the button changes the channels rapidly. While searching, invalid and unsubscribed channels are skipped.

Storing stations in memory

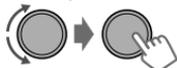
You can preset up to 18 channels for both SIRIUS and XM.

While listening to a station...

1  (Hold)

"Preset Mode" screen appears.

2 Select preset number.



The preset number flashes.

Selecting a preset station/ category/channel from the list

1 

"List" menu appears.

2 Select <Preset>, <Category> or <Channel>.



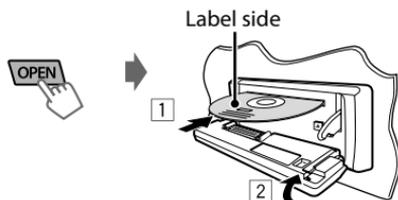
If a category is selected, the first channel of this category is tuned in.

3 Select a desired item.

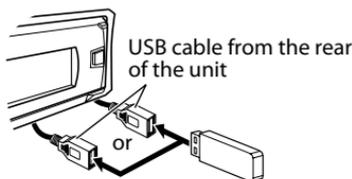


CD/USB

Playing a CD/USB device



The source changes to "CD" and playback starts.



The source changes to "USB" and playback starts.

- This unit can play MP3/WMA files stored in CD-R, CD-RW, and MP3/WMA/WAV files in USB mass storage device (such as a USB memory and Digital Audio Player).
- Make sure all important data has been backed up. We shall bear no responsibility for any loss of data in USB mass storage class device while using this system.
- Ejected disc not removed within 15 seconds will reload automatically.
- If the disc cannot be ejected,

Selecting a folder/track



Selects folder.
(For MP3/WMA/WAV)



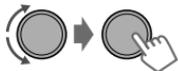
- Selects track. (Press)
- Fast-forwards or reverses the track. (Hold)



Selecting a track/folder from the list



2 Select a folder. (For MP3/WMA/WAV)



3 Select a track.

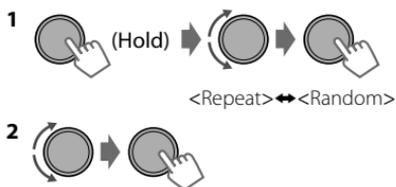


• For MP3/WMA/WAV

If there are many folders or tracks, you can fast search for the desired folder or track by turning the control dial quickly, or use Quick Search

Selecting the playback modes

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



Repeat

| | |
|----------|--------------------------|
| Off | Cancels repeat playback. |
| Track | Repeats current track. |
| Folder * | Repeats current folder. |

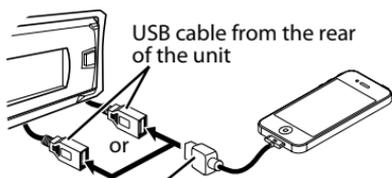
Random

| | |
|----------|---|
| Off | Cancels random playback. |
| Folder * | Randomly plays all tracks of current folder, then tracks of next folders. |
| All | Randomly plays all tracks. |

* For MP3/WMA/WAV

iPod/iPhone

Playing an iPod/iPhone

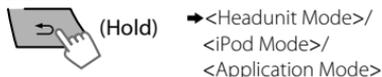


USB 2.0 cable (not supplied)*

The source changes to "iPod-1/iPod-2" and playback starts.

* Recommend to use a cable suitable for car use.

Selecting the control mode



| | |
|------------------|--|
| Headunit Mode | Controls iPod playback through this unit. |
| iPod Mode | Controls iPod playback from the iPod/iPhone. |
| Application Mode | The sound of any functions (music, games, applications, etc.) running on the connected iPod/iPhone is emitted through the speakers connected to this unit. |

- You can also change the setting using <iPod Switch> in the menu.

Selecting a track

Applicable under <Headunit Mode>/<iPod Mode> only.

For <Application Mode>, applicable only for some audio applications.



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

Selecting a track from the list

Applicable under <Headunit Mode> only.



2 Select the desired list.



Playlists ↔ Artists ↔ Albums ↔ Songs ↔ Podcasts ↔ Genres ↔ Composers ↔ Audiobooks ↔ (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, or use Quick Search

Selecting the playback modes

Applicable under <Headunit Mode> only.

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



Repeat

| | |
|-----|---|
| Off | Cancels repeat playback. |
| One | Functions the same as "Repeat One" of the iPod. |
| All | Functions the same as "Repeat All" of the iPod. |

Random

| | |
|-------|---|
| Off | Cancels random playback. |
| Song | Functions the same as "Shuffle Songs" of the iPod. |
| Album | Functions the same as "Shuffle Albums" of the iPod. |

- "Album" is not applicable for some iPod/iPhone.

iPod/iPhone application

You can operate JVC original application with this unit in <Application Mode>

Pandora® internet radio

■ Preparation

- 1 Search for "Pandora" in the Apple iTunes App Store to find and install the most current version of the Pandora® application onto your device.
- 2 In the application on your device, log in and create an account with Pandora®

- Pandora® is only available in the US.
- Because Pandora® is a third-party service, the specifications are subject to change without prior notice. Accordingly, compatibility may be impaired or some or all of the services may become unavailable.
- Some functions of Pandora® cannot be operated from this unit.

■ Listening to Pandora® internet radio

- 1 Open the Pandora® application on your device.
- 2 Connect the device to one of the USB terminals.

The source switches and broadcast starts automatically from your current station.

■ Basic Operations



Starts/pauses playback.



Selects thumbs up/thumbs down.

- If thumbs down is selected, current track is skipped.



Skips track.

■ Creating a new station

You can create a new station based on the currently playing song or artist.



A new station is created based on the current song or artist.

■ Searching the registered station from the list



- 2 Select the station list display mode.



| | |
|---------|------------------------------------|
| BY DATE | According to the registration date |
| A - Z | Alphabetical order |

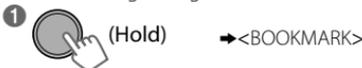
You can proceed directly to step 3 to select station or use the search menu to scroll through the desired menu.

- 3 Select the desired station.



To bookmark song/artist information

While receiving a song...



<This Artist> ↔ <This Track>

"BOOKMARKED" appears and the song/artist information is stored to the iPod/iPhone.

- This unit allows you to bookmark songs and/or artists in your personalized Pandora® account. The bookmarks will not be available for review on the unit but will be available in your Pandora® account.

Quick Search

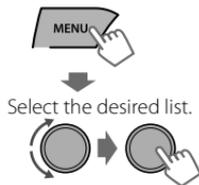
If you have many folders/tracks/contacts, you can search through them quickly according to the first character (A to Z, 0 to 9 and OTHERS).

1 Enter list menu or "Hands-Free" menu.

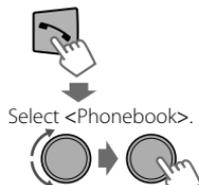
**CD (MP3/WMA)/
USB (MP3/WMA/WAV)**



iPod/iPhone



Bluetooth phonebook



2 Select the desired character (A to Z, 0 to 9 and OTHERS).



"OTHERS" appears if the first character is not A to Z or 0 to 9, such as #, -, !, etc.

3 Select your desired folder/track/contact.



For CD/USB and iPod/iPhone, repeat step 3 until the desired track is selected.

- Searching may not work on some of the layers of the selected menu (for iPod/iPhone).

External components

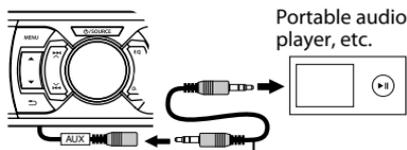
You can connect an external component to the following terminals:

- **EXT IN:** Expansion port on the rear of this unit using the following adapters (not supplied):
 - JVC KS-U57, Line Input Adapter
 - JVC KS-U58, AUX Input Adapter
- **AUX:** AUX (auxiliary) cable from the rear of the unit.

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

For connection to expansion port on the rear of this unit, refer to the "Installation/Connection Manual".

Playing an external component from AUX/expansion port



3.5 mm (1/8") stereo mini plug
(not supplied)



Use a 3-terminal plug head stereo mini plug for optimum audio output.

- 1 Connect to AUX cable and/or the expansion port from the rear of the unit.
- 2 Set the source as necessary.



- 2 Select <Show>.



- 3 Press **MENU** to exit.

- 3 Select <AUX IN> or <EXT IN>.



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

Bluetooth® connection

By connecting the supplied KS-UBT1 USB Bluetooth Adapter and microphone to this unit, you can operate a Bluetooth device using this unit. Refer to the "Installation/Connection Manual" for details on connecting the microphone.

Once the USB Bluetooth Adapter is attached, this unit is always available for pairing.



KS-UBT1



Microphone

- Refer also to the instructions supplied with the Bluetooth device.
- Refer to the separate appendix to check the countries where you may use the Bluetooth function.
- If you turn off the unit, detach the control panel, or unplug the USB Bluetooth Adapter during a phone call conversation, the Bluetooth connection is disconnected. Continue the conversation using your mobile phone.

This unit supports the following Bluetooth profiles

- Hands-Free Profile (HFP 1.5)
- Object Push Profile (OPP 1.1)
- Phonebook Access Profile (PBAP 1.0)
- Advanced Audio Distribution Profile (A2DP 1.2)
- Audio/Video Remote Control Profile (AVRCP 1.3)

Warning:

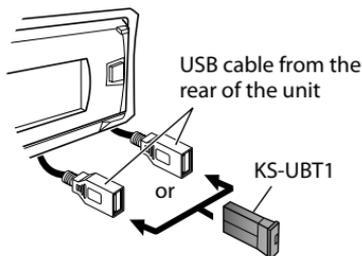
Stop the car in a safe place before operating complicated steps such as dialing numbers, using phonebook, etc.

Pairing a Bluetooth device

When connecting a Bluetooth device to the unit for the first time, perform pairing between the unit and the device.

- Up to five Bluetooth devices can be registered in this unit.
- A maximum of two Bluetooth phones and one Bluetooth audio device can be connected at any time.
- This unit supports Secure Simple Pairing (SSP).

1 Connect the USB Bluetooth adapter (KS-UBT1) to one of the USB input terminals.



2 Search and select "JVC Unit" on the Bluetooth device.

- For some Bluetooth devices, you may need to enter the Personal Identification Number (PIN) code immediately after searching.

Bluetooth® connection

3 Perform (A) or (B) depending on what appears on the display.

- For some Bluetooth devices, pairing sequence may vary from the steps described below



- "XXXXXX" is a 6-digit passkey randomly generated during each pairing.

1 Ensure that the passkey which appears on the unit and Bluetooth device is the same.

2 Select "Yes" to confirm the passkey.



3 Operate the Bluetooth device to confirm the passkey.



1 (1) When the Bluetooth device prompts you to key in a PIN or passcode, enter the PIN code "0000" into the Bluetooth device. The above should then appear on the display.

- You can change to a desired PIN code before pairing.

(2) If only "Pairing" appears, operate the Bluetooth device to confirm pairing.

2 Select "Yes" to confirm the pairing.



After pairing is successful, "Pairing COMPLETED" appears on the display.

The unit will establish a connection with the newly paired Bluetooth device and you can then control the Bluetooth device through the unit.

- "" will light up when a phone is connected.
- "" will light up when an audio device is connected.

- Once the connection is established, the device is registered to the unit and there is no need to perform the pairing again unless you delete the registered device.
- Some Bluetooth devices may not be able to connect to the unit after pairing. Connect the device to the unit manually. Refer to the instruction manual of the Bluetooth device for more information.

Connecting/Disconnecting a registered device manually

To connect

1 (Hold)

2 Select <Connect>.



3 Select the desired device.



"Connecting..." appears on the display when the unit is connecting to the device.

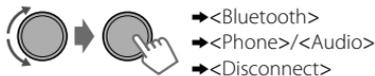
"Connected"⇒"[Device Name]" appears on the display when the device is connected.

4 Press **MENU** to exit.

To disconnect

1 (Hold)

2 Select <Disconnect>.



3 Select the desired device.



"Disconnected"⇒"[Device Name]" appears on the display when the device is disconnected.

4 Press **MENU** to exit.

Connecting to JVC original application

JVC original application is designed to view JVC car receiver status and perform simple control operations on Android smart phones.

1  (Hold)

2 Select <Connect>.



3 Select the desired smart phone.



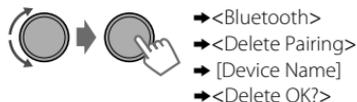
- “Connected”⇒ “[Device Name]” appears on the display when the device is connected.

4 Press **MENU** to exit.

Deleting a registered device

1  (Hold)

2 Select <Delete OK>.



“OK” appears when the device is deleted.

3 Press **MENU** to exit.

Bluetooth mobile phone

Receiving a call

To receive a call

When there is an incoming call, the source automatically changes to “BT-1”/“BT-2”.

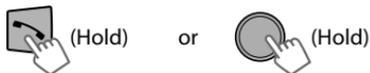
- “Receiving...” appears on the display, followed by the phone number or name.
- The display flashes in blue.



You can also press **▲/▼/◀/▶/SOURCE** on the remote control to answer a call.

- When <Auto Answer> is set to <On>, the unit answers incoming calls automatically.

To end a call



You can also press and hold **▲/▼/◀/▶/SOURCE** on the remote control to end a call.

To deactivate/activate hands-free mode

During a phone conversation...



- Operations may vary according to the connected Bluetooth device.

Bluetooth mobile phone

Adjustments during a call



Phone volume (00 — 50)

[Volume 15]: Volume adjustments made during a call will not affect the other sources.



Microphone level

(01 — 03) [02]: As the number increases, the microphone becomes more sensitive.



Noise Reduction and Echo Cancellation mode:

Turns on/off.

Text message notification

When a text message is received, the unit rings and “[Device Name]” → “Received Message” appears.

- <Message Notice> must be set to <On>.
- You cannot read, edit, or send a message through the unit.
- This feature is only available on certain phones.

Switching between two connected mobile phones

When two mobile phones are connected to the unit, you can access to both “Hands-Free” menus.

- Press to enter 1st phone’s “Hands-Free” menu.
- Press twice to enter 2nd phone’s “Hands-Free” menu.
- Press to return to 1st phone’s “Hands-Free” menu.

Making a call from the hands-free menu

1 Enter the “Hands-Free” menu.



2 Select a calling method.



Refer to the table below for options.

3 Select and call the contact (name/phone number).

| | | |
|----------------|--|-------------------------|
| Dialed Calls | Select the name/phone number | Call |
| Received Calls | | |
| Missed Calls | | |
| Phonebook | If the phonebook contains many numbers, you can fast search for the desired number by turning the control dial quickly, or use Quick Search (see page 14). <ul style="list-style-type: none">• “No History Found” appears if there is no recorded call history.• “No Data” appears if no entries are found in the Bluetooth device’s phonebook.• “Send Phonebook Manually” appears if <Phonebook Select> is set to <In Unit> or the phone does not support PBAP. | |
| Dial Number | Enter the phone number to dial. | |
| | Select number/character | Move the entry position |
| | | |
| | | Call |
| | | |

Using voice recognition

You can use the voice recognition features of the connected phone through this unit.

- “Not Support” appears if the connected phone does not support this feature.

1 Enter voice recognition mode.

If only one phone is connected,



If two phones are connected,



- 2 When “Waiting Voice”⇒ “[Device Name]” appears on the display, speak the name of the contact you want to call or the voice command to control the phone functions.

Supported voice recognition features vary for each phone. Please refer to the instruction manual of the connected phone for details.

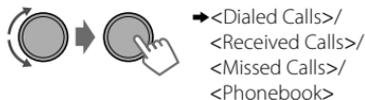
Deleting a contact (name/ phone number)

Only when <Phonebook Select> is set to <In Unit>.

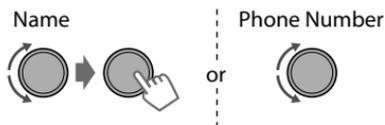
1 Enter the “Hands-Free” menu.



2 Select a call method.



3 Select the contact (name/phone number) to be deleted.



4 Enter “Delete Entries” menu.



5 Select <Delete> or <Delete All>.



| | |
|------------|--|
| Delete | Selected name/phone number from step 3 is deleted. |
| Delete All | All name/phone numbers from selected menu in step 2 are deleted. |

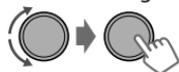
Bluetooth mobile phone

Using the Settings menu

- 1 Enter the “Hands-Free” menu.



- 2 Select <Settings>.



- 3 Repeat this step to perform the necessary settings.



- To return to the previous menu, press .
- To exit from the menu, press **MENU**.

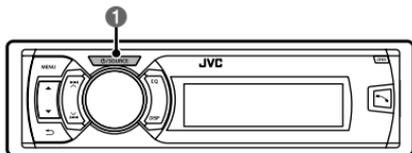
The following settings are applicable to the paired device. If another device is paired, perform the settings again.

| Menu item | Selectable setting (Initial: [XX]) |
|---------------------------|--|
| Phonebook Select * | [In Phone]: The unit browses the phonebook of the connected phone. In Unit: The unit browses the phonebook registered in the unit. (You can copy the phonebook memory using <Phonebook Trans> |
| Auto Answer | [On]: The unit answers incoming calls automatically. [Off]: The unit does not answer incoming calls automatically. |
| Ring Tone | [In Unit]: The unit rings to alert you when a call/text message comes in. – Call Tone: Select your preferred ring tone (Tone 1 — 5) for incoming calls. – Message Tone: Select your preferred ring tone (Tone 1 — 5) for incoming text messages. • Default ring tone is different according to the paired device. In Phone: The unit uses the connected phones' ring tone to alert you when a call/text message comes in. (The connected phone will ring if it does not support this feature.) |
| Ring Color | Color 01 — 29 [06]: Select your preferred color for incoming call/text message alerts. Off: Cancels. |
| NR/EC Mode | [On]: Turns on the Noise Reduction and Echo Cancellation of the connected microphone for clearer sound. Off: Cancels. |
| MIC Setting | Level (01 — 03) [02]: The sensitivity of the microphone increases as the MIC level is increased. |
| Message Notice | [On]: The unit rings and “[Device Name]”->“Received Message” appears to alert you of an incoming text message. Off: The unit does not alert you of an incoming text message. |

* Selectable only when the connected phone supports PBAP.

Bluetooth audio player

Playing a Bluetooth audio player

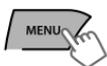


- 1 Select <BT-1> or <BT-2> depending on the location of the USB Bluetooth adapter KS-UBT1.

- Operate the Bluetooth audio player to start playback.

Operations and display indications may differ according to their availability on the connected device.

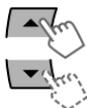
Basic operations



Starts or resumes playback.



Mutes the sound.



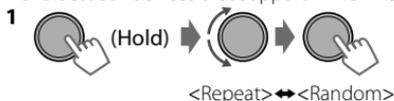
Selects group/folder.



Reverse skips or forward skips.
(Press)
Fast-forwards or reverses the track. (Hold)

Selecting the playback modes

For Bluetooth devices that support AVRCP 1.3.



Repeat

| | |
|-------|--|
| Off | Cancels repeat playback. |
| Track | Repeats current track. |
| All | Repeats all tracks. |
| Group | Repeats all tracks of the current group. |

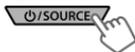
Random

| | |
|-------|---|
| Off | Cancels random playback. |
| All | Randomly plays all tracks. |
| Group | Randomly plays all tracks of the current group. |

Listening to BT Pandora® internet radio

You can listen to Pandora® internet radio on your smart phone through Bluetooth on this unit.

- 1 Open the Pandora® application on your device.
- 2 Connect to Bluetooth audio.
Refer to "To connect" page 16, select <Bluetooth>⇒<Audio>⇒<Connect>.
- 3 Select <BT-1> or <BT-2> depending on the location of the USB Bluetooth adapter KS-UBT1.



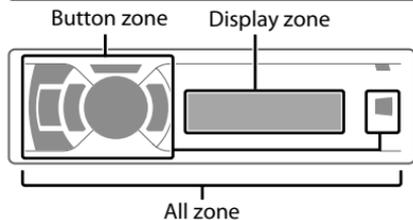
- 4 Select <Pandora>.



The source switches and broadcast starts automatically.

- You can also activate Pandora® on your Bluetooth smart phone via <BT Audio Switch>.
- BT Pandora® internet radio is only for Android OS and RIM OS.
- You can operate Pandora® in the same way as Pandora® for iPod/iPhone.

Illumination color adjustments



All zone: Includes both Button zone and Display zone.

Selecting the preset color

You can select a preset color for <Button Zone>, <Display Zone>, and <All Zone> separately.

1 (Hold)

2 Select <Color>.



| | |
|--------------|---|
| Button Zone | Color 01-29/User/ COLORFLOW 1-3* |
| Display Zone | * Color changes in different speeds. |
| All Zone | |

- Initial color: Button Zone [**Color 06**], Display Zone [**Color 01**], All Zone [**Color 06**].
- If <All Zone> is selected, the button and display illumination will change to the current/selected <Button Zone> color.

4 Press **MENU** to exit.

Storing your own adjustments

You can store your own day and night colors for <Button Zone> and <Display Zone> separately.

1 (Hold)

2 Select <Color Setup>.



| | | |
|-------------|--------------|--|
| Day Color | Button Zone | <ul style="list-style-type: none"> • Press ▲/▼ to select a primary color <Red/ Green/Blue>, then turn the control dial to adjust the level <00-31>. Repeat this procedure until you have adjusted all the three primary colors. |
| | Display Zone | |
| Night Color | Button Zone | <ul style="list-style-type: none"> • Your adjustment is automatically stored to "User". • If "00" is selected for all the primary colors for <Display Zone>, nothing appears on the display. |
| | Display 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 headlight.

4 Press **MENU** to exit.

Brightness adjustments

You can select your preferred brightness for <Button Zone>, <Display Zone> separately.

1  (Hold)

2  →  → 
→ <Dimmer>
→ <Brightness>
→ <Day Brightness>/
→ <Night Brightness>

3  → 

| | |
|--------------|----------------|
| Button Zone | Level 00 to 31 |
| Display Zone | Level 00 to 31 |

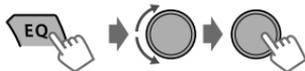
4 Press **MENU** to exit.

Sound adjustments

This unit memorizes sound settings adjusted for each individual source.

Selecting the preset sound

You can select a preset sound mode, for each individual source, suitable for the music genre.



----- or -----



Press repeatedly.

NATURAL → DYNAMIC → VOCAL → BASS →
USER *1 → SOUND 1 *2 → SOUND 2 *2 →
SOUND 3 *2 → FLAT → (back to the beginning)

*1 For settings, refer to "Storing your own adjustments".

*2 For settings, "Setting "My Sound EQ""

Storing your own adjustments

You can customize the preset sound mode <USER>.

• The active preset sound mode (FLAT/ NATURAL/DYNAMIC/VOCAL/BASS) will be used as a reference for your customization.

1  (Hold)

2  → 
→ <EQ/DSP>
→ <EQ>



• If SOUND 1/2/3 is selected as the sound mode, "Fix (My Sound)" appears and no settings can be made.

3 Select the frequency.



| Frequency (Hz) | 50 | 200 | 800 | 3.2 k | 12.5 k |
|----------------|----|-----|-----|-------|--------|
| NATURAL | +6 | 0 | +3 | +5 | +4 |

4 Adjust the level.

 → <-9 dB> to <+9 dB>

• Repeat steps 3 and 4 to adjust the other frequencies.

5 

The adjustments are stored and <USER> is activated.

Sound adjustments

Setting "My Sound EQ"

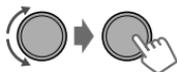
My Sound EQ lets you customize the sound through five steps involving different types of musical instruments. Your adjustments are stored in SOUND1/2/3 and can be easily selected via the EQ button.



To set "My Sound EQ" with default music

1 (Hold)

2 Select "Default Music".



Default Music: Sample music pre-stored in the unit.

Optional Music*: Sample music of various genres stored in the connected USB device.

* Refer to "To set "My Sound EQ" with Optional music".

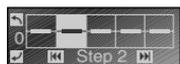
3 Customize sound level for each step (instrument).

Select step (instrument)

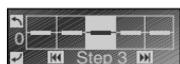
Adjust the level



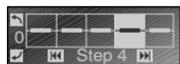
Step 1: Adjust the overall sound level.



Step 2: Adjust low frequency sound level. (e.g. Bass)



Step 3: Adjust middle frequency sound level. (e.g. Piano)



Step 4: Adjust middle-high frequency sound level. (e.g. Brass)

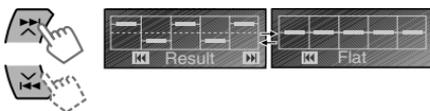


Step 5: Adjust high frequency sound level. (e.g. Cymbal)

4 Check the adjustment results.



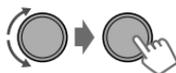
You can also compare the results with a flat EQ.



5 Confirm the adjustments.



6 Select and store into <SOUND 1/2/3>.



The adjustments are stored and <SOUND 1/2/3> is activated.

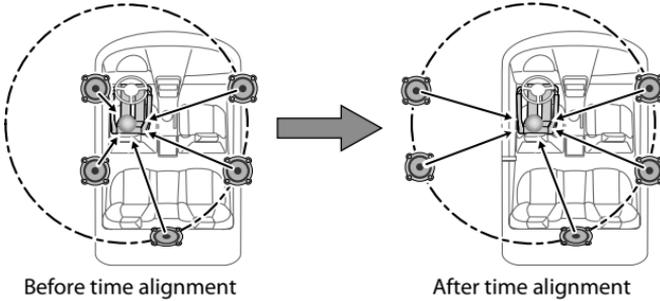
- To store another sound mode, repeat steps 1 to 6.

To set "My Sound EQ" with Optional music

- 1 Visit the following JVC website
- 2 Download your preferred music sample (<.jms> files).
- 3 Store the <.jms> files in a USB device.
- 4 Connect the USB device to a USB terminal.
- 5 Follow steps 1 through 6 in "To set "My Sound EQ" with default music" whilst selecting <Optional Music> in step 2.
 - "No Optional Music File" appears if there are no <.jms> file in the root folder or if no USB device attached.
 - Store <.jms> files in only one of the USB devices if two USB devices are connected at the same time.
 - "Error" appears if the file is unreadable.

Setting the speaker output timing — Time Alignment

Ideal listening experience is achieved when the distance between each speaker and the listener is the same. Time alignment emulates this effect by synchronizing each speaker to compensate for the delay between each speaker and the listener.



1 (Hold)

2 → <EQ/DSP>
 → <Time Alignment>

3 Select the car type.

→ <User>/<Compact>/<Sedan M> (Sedan Medium)/<Sedan L> (Sedan Large)/<SUV> (Sport Utility Vehicle)/<Sm.SUV> (Small Sport Utility Vehicle)/<Truck>/<X'Over> (Crossover)/<Wagon>/<Minivan>/<Van>

4 Select the seat position for the best listening experience.

→ <All>/<Front>/<L.Front>/<R.Front>

5 Confirm the car type and seat position.



The preset settings will be activated according to the car type chosen in step 3.

If you want to customize the distance between each speaker and the listening position from the preset data, proceed with the following steps.

1 Select a speaker.



→ <L.Front>/<R.Front>/<L.Rear>/<R.Rear>/<Sub.W>*

* Displayed only when <Subwoofer On/Off> is set to <On>

2 Select the distance between the listening position and the speaker.



→ <50cm (1.6ft)> to <500cm (16.4ft)>

Repeat steps **1** and **2** to adjust the distance of the other speakers.

6 Confirm the settings.



The settings are stored and car type <USER> is activated.

7 Press **MENU** to exit.

Sound adjustments

■ Preset data of distance between seat position and speakers

| Car type | Seat position | Speaker distance (cm) | | | | |
|----------|---------------|-----------------------|----------|---------|---------|-------|
| | | L. Front | R. Front | L. Rear | R. Rear | Sub.W |
| User | ALL | 115 | 115 | 115 | 115 | 115 |
| | Front | 115 | 115 | 100 | 100 | 135 |
| | L. Front | 100 | 140 | 80 | 130 | 140 |
| | R. Front | 140 | 100 | 130 | 80 | 140 |
| Compact | ALL | 110 | 110 | 110 | 110 | 110 |
| | Front | 120 | 120 | 105 | 105 | 115 |
| | L. Front | 105 | 140 | 85 | 125 | 120 |
| | R. Front | 140 | 105 | 125 | 85 | 120 |
| Sedan M | ALL | 115 | 115 | 115 | 115 | 115 |
| | Front | 115 | 115 | 100 | 100 | 135 |
| | L. Front | 100 | 140 | 80 | 130 | 140 |
| | R. Front | 140 | 100 | 130 | 80 | 140 |
| Sedan L | ALL | 140 | 140 | 140 | 140 | 140 |
| | Front | 120 | 120 | 155 | 155 | 140 |
| | L. Front | 105 | 145 | 150 | 170 | 145 |
| | R. Front | 145 | 105 | 170 | 150 | 145 |
| SUV | ALL | 150 | 150 | 150 | 150 | 150 |
| | Front | 140 | 140 | 130 | 130 | 205 |
| | L. Front | 125 | 170 | 110 | 160 | 210 |
| | R. Front | 170 | 125 | 160 | 110 | 210 |
| Sm.SUV | ALL | 130 | 130 | 130 | 130 | 130 |
| | Front | 145 | 145 | 115 | 115 | 135 |
| | L. Front | 110 | 150 | 95 | 140 | 140 |
| | R. Front | 150 | 110 | 140 | 95 | 140 |
| Truck | ALL | 135 | 135 | 135 | 135 | 135 |
| | Front | 140 | 140 | 130 | 130 | 130 |
| | L. Front | 125 | 170 | 105 | 160 | 140 |
| | R. Front | 170 | 125 | 160 | 105 | 140 |
| X'Over | ALL | 115 | 115 | 115 | 115 | 115 |
| | Front | 120 | 120 | 105 | 105 | 120 |
| | L. Front | 105 | 145 | 85 | 130 | 125 |
| | R. Front | 145 | 105 | 130 | 85 | 125 |
| Wagon | ALL | 120 | 120 | 120 | 120 | 120 |
| | Front | 120 | 120 | 100 | 100 | 155 |
| | L. Front | 105 | 145 | 80 | 130 | 160 |
| | R. Front | 145 | 105 | 130 | 80 | 160 |
| Minivan | ALL | 165 | 165 | 165 | 165 | 165 |
| | Front | 130 | 130 | 175 | 175 | 220 |
| | L. Front | 110 | 160 | 160 | 200 | 225 |
| | R. Front | 160 | 110 | 200 | 160 | 225 |
| Van | ALL | 205 | 205 | 205 | 205 | 205 |
| | Front | 140 | 140 | 225 | 225 | 300 |
| | L. Front | 115 | 175 | 210 | 250 | 300 |
| | R. Front | 175 | 115 | 250 | 210 | 300 |

Compensating high frequency sound level — D.T. Expander

The Digital Track Expander compensates for high frequency sound levels in compressed digital audio. The effect can be heard in the following conditions:

For MP3/WMA:

- Bit rate: 64 kbps to 128 kbps
- Sampling frequency: 44.1 kHz, 48 kHz

For iPod/iPhone music files:

- Sampling frequency: 44.1 kHz, 48 kHz

-  (Hold)
-  → <EQ/DSP>
 → <D.T. Expander>
- Select <On>.
 
- Press **MENU** to exit.

Setting the cutoff frequency — X'over HPF/LPF

You can select or customize the cutoff frequencies from this unit according to your speakers for an improved sound quality.

- 1  (Hold)

Easy

The unit will adjust the cutoff frequencies automatically based on your selected speaker size.



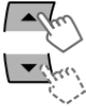
- 3 Select the speaker.



- 4 Select speaker size.



- Select measurement unit (inch/cm).



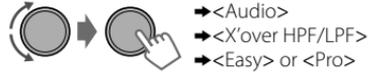
| Speaker | Size (cm) | Size (inch) |
|----------------|-----------------|-----------------|
| Front/ Rear | [Full] / | [Full] / |
| | 10cm/ | 4" |
| | 13cm/ | 5-1/4" |
| | 16cm/ | 6-1/2" |
| | 17cm/ | 6-3/4" |
| | 18cm/ | 7" |
| | 10x15cm/ | 4x6" |
| | 13x18cm/ | 5x7" |
| | 15x20cm/ | 6x8" |
| Subwoofer | 15x23cm/ | 6x9" |
| | 18x25cm | 7x10" |
| | Full/ | Full/ |
| | 16cm/ | 6-1/2" |
| | 20cm/ | 8" |
| | [25cm] / | [10"]/ |
| | 30cm/ | 12" |
| | 38cm over | 15" over |

- Select "Full" if you are not sure of the speaker size.

- 5 Confirm the settings.



- 2 Select the adjustment method.



Pro

You can customize the cutoff frequencies and the filter depth.



- 3 Select the speaker.



- 4 Select cutoff frequency.



- 5 Select depth of HPF/LPF.



| Speaker | Cutoff Frequency | Filter Depth *2 |
|----------------|-----------------------------|--|
| Front/ Rear | HPF 30Hz to HPF 200Hz *1 | -12dB/Oct / [-18dB/Oct] / -24dB/Oct |
| | [HPF Off] | |
| Subwoofer | LPF 30Hz to LPF 200Hz | [-12dB/Oct] / -18dB/Oct / -24dB/Oct |
| | [LPF 80Hz] *3 | |
| | LPF Off | |

- 6 Confirm the settings.



- *1 Activates the High Pass Filter (HPF). Frequencies higher than the selected frequency are sent to the front/rear speakers.
- *2 As the number decreases, the filter depth is adjusted closer to selected filter frequency.
- *3 Activates the Low Pass Filter (LPF). Frequencies lower than the selected frequency are sent to the subwoofer.

Menu operations

1  (Hold)

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

2 

3 Repeat step 2 if necessary.

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

| | Menu item | Selectable setting (Initial: [XX]) |
|---------|-----------------------|---|
| | DEMO | For settings, |
| Clock | Clock Display | On: Shows the clock display when the power is off. [Off]: Cancels. |
| | Set Clock | For settings, |
| | 24H/12H | For settings, |
| | Clock Adjust | Off: Cancels. [Auto]: The built-in clock is automatically adjusted using the clock data provided via the Satellite Radio channel. |
| | Time Zone *1*2 | [Eastern]/Atlantic/NewfndInd/Alaska/Pacific/Mountain/Central: Selects your residential area from one of the time zones for clock adjustment. |
| | DST *1*2 | [On]: Activates daylight savings time if your residential area is subject to DST. Off: Cancels. |
| | Color | For settings, |
| | Color Setup | |
| Dimmer | Dimmer Set | Selects the display and button illumination adjusted in the <Brightness>/<Color Setup> setting. Off: Selects the Day adjustments. On: Selects the Night adjustments. [Auto]: Changes between the Day and Night adjustments when you turn off/on the car headlights. *3 Time Set: Sets the start/end timer for dimmer. Turn the control dial to adjust the start time, then press the control dial to confirm. Repeat this step to enter the end time. |
| | Brightness | Day Brightness[31]/Night Brightness[15]: Brightness settings for the display and button illumination for day and night. Button Zone/Display Zone: Sets the brightness levels 00 — 31 . |
| Display | Scroll *4 | Off: Cancels. [Once]: Scrolls the display information once. Auto: Repeats scrolling (at 5-second intervals). |
| | Tag Display | [On]: Shows the TAG information while playing MP3/WMA/WAV tracks. Off: Cancels. |

*1 Displayed only when SIRIUS Satellite Radio or XM Satellite Radio is connected.

*2 Displayed only when <Clock Adjust> is set to <Auto>.

*3 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>.

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

Menu operations

| Menu item | | Selectable setting (Initial: [XX]) |
|-----------|--|---|
| Display | LCD Type | [Negative]: Negative pattern of the display. Positive: Positive pattern of the display. Auto: Positive pattern will be selected during the day*5, while negative will be selected during the night*5. |
| | Contrast | Level 01 — Level 15 [Level 09]: Adjusts the contrast of the display to make indications clear and legible. |
| EQ/DSP | | For settings, |
| Audio | Fad/Bal *6*7 | R6 — F6 [0]: Press ▲ / ▼ to adjust the front and rear speaker output balance. L6 — R6 [0]: Press ◀ / ▶ to adjust the left and right speaker output balance. |
| | Loud (Loudness) | Loud1/ 2/ 3: Boosts low and high frequencies to produce a well-balanced sound at low volume levels. [Off]: Cancels. |
| | Volume Adjust | Level -5 — Level +5 [Level 0]: Presets the volume adjustment level of each source, compared to the FM volume level. Before adjustment, select the source you want to adjust. ("FIX" appears if "FM" is selected.) |
| | Subwoofer On/ Off | [On]: Turns on the subwoofer output. Off: Cancels. |
| | Subwoofer Level *8 | 00 — 10 [05]: Adjusts the subwoofer output level. |
| | Subwoofer Phase *8 | [0 Deg] (normal)/ 180 Deg (reverse): Selects the subwoofer phase. |
| | X'over HPF/LPF | For settings, |
| | Beep (Keytouch tone) | [On]/Off: Activates or deactivates the keypress tone. |
| | Amplifier Gain | Off: Deactivates the built-in amplifier. Low Power: Limits the maximum volume level to 30. (Select if the maximum input power of each speaker is less than 50 W to prevent damaging the speakers.) [High Power]: The maximum volume level is 50. |
| | SSM | (Displayed only when the source is "FM" or "HD Radio".) |
| Tuner | Area Change (Frequency tuning interval) | [US]: For North/Central/South America, AM/FM intervals: 10 kHz/200 kHz. EU: For any other areas, AM/FM intervals: 9 kHz/50 kHz. SA: For some South American countries, AM/FM intervals: 10 kHz/50 kHz. |
| | IF Band (Intermediate frequency band) | [Auto]: Increases the tuner selectivity to reduce interference noises between adjacent stations. (Stereo effect may be lost.) Wide: Subject to interference noises from adjacent stations, but sound quality will not be degraded and the stereo effect will remain. |
| | Sirius ID | The 12-digit SIRIUS identification number appears on the display. (Displayed only when SIRIUS Satellite Radio is connected.) |
| | Blend Hold | For settings (Displayed only when the source is "HD Radio".) |
| | Stereo/Mono | Displayed only when the source is "FM" or "HD RADIO". [Stereo]: Enables stereo FM reception. Mono: Improves the FM reception but stereo effect will be lost. |
| | Radio Timer *9 | For settings. |

*5 Depends on the <Dimmer Set> setting.

*6 If you are using a two-speaker system, set the fader level to "0".

*7 This adjustment will not affect the subwoofer output.

*8 Displayed only when <Subwoofer On/Off> is set to <On>.

*9 Not available when JVC KT-HD300 HD Radio tuner box is connected.

Menu operations

| Menu item | Selectable setting (Initial: [XX]) |
|---|---|
| USB *10 | Drive Change: Selects to change the drive when a device with multiple drives is connected to the USB input terminal. |
| iPod Switch *11 (iPod/iPhone control) | [Headunit Mode]/iPod Mode/Application Mode: For settings, |
| Audiobooks *11 | Normal/Faster/Slower: Selects the playback speed of the Audiobooks sound file in your iPod/iPhone. Initial selection depends on your iPod/iPhone setting. |
| Bluetooth *12 | Phone *13 |
| | Audio |
| | Application |
| | BT Audio Switch *14 |
| | Delete Pairing |
| | Phonebook Trans |
| | Set PIN Code |
| | Auto Connect |
| | Initialize |
| | Information |
| Source Select | Ext Input *16 |
| | AM Source *16 |
| | AUX Source *16 |
| | Bluetooth Audio *17 |
| Software Version | Displays the firmware version of the unit. |

*10 Displayed only when the source is "USB-1/USB-2".

*11 Displayed only when the source is "iPod-1/iPod-2".

*12 If the USB Bluetooth Adapter is not connected to the unit, "Please Connect BT Adapter" appears on the display.

*13 <Connect> will not be displayed if two Bluetooth phones are connected at the same time.

*14 Displayed only when the source is "BT-1/BT-2".

*15 Displayed only when a Bluetooth phone/audio player/application is connected.

*16 Displayed only when the unit is in any source other than the corresponding source "Ext Input/AM Source/AUX Source".

*17 Displayed only when the USB Bluetooth Adapter (KS-UBT1) is attached and current source is not "BT-1/BT-2".

Remote controller

Preparing

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



For USA-California Only:

This product contains a CR Coin Cell Lithium Battery which contains Perchlorate Material—special handling may apply.

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.

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.

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. Attempting to insert using an adapter can cause malfunction. There may also be problems ejecting the disc if inserted.

■ Handling discs

- 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 outwards.
- 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 any burrs 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.

About audio files

■ Playable files

- File extensions: MP3(.mp3), WMA(.wma), WAV(.wav)

For MP3/WMA discs:

- Bit rate:
MP3/WMA: 5 kbps - 320 kbps
- Sampling frequency:
MP3 (MPEG-1): 32 kHz, 44.1 kHz, 48 kHz
MP3 (MPEG-2): 16 kHz, 22.05 kHz, 24 kHz
WMA: 8 kHz - 48 kHz

For USB devices:

- Bit rate:
MP3 (MPEG-1): 32 kbps - 320 kbps
MP3 (MPEG-2): 8 kbps - 160 kbps
WMA: 5 kbps - 320 kbps
WAV: Linear PCM at 705 kbps and 1 411 kbps
- Sampling frequency:
MP3 (MPEG-1): 32 kHz, 44.1 kHz, 48 kHz
MP3 (MPEG-2): 16 kHz, 22.05 kHz, 24 kHz
WMA: 8 kHz - 48 kHz
WAV: 44.1 kHz
- Channel:
WMA/WAV: 1 ch/2 ch
- 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.

■ File/folder names

This unit supports files/folder names recorded in a format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet, and the proper extension code <.mp3>, <.wma> or <.wav>.

■ 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

- When connecting a USB cable, use the USB 2.0 cable.
- You cannot connect a computer or portable HDD to the USB input terminal of the unit.
- Connect only one USB device to the unit at a time. Do not use a USB hub.
- USB devices equipped with special functions such as data security functions cannot be used with the unit.
- Do not use a USB device with 2 or more partitions.
- This unit cannot recognize a USB device whose rating is other than 5 V and exceeds 1 A.
- This unit may not recognize a memory card inserted into the USB card reader.
- This unit may not play back files in a USB device properly when using a USB extension cord.
- Depending on the shape of the USB devices and connection ports, some USB devices may not be attached properly or the connection might be loose.
- Operation and power supply may not work as intended for some USB devices.
- The maximum number of characters for:
 - Folder names: 25 characters
 - File names: 25 characters
 - MP3 Tag: 128 characters
 - WMA Tag: 128 characters
 - WAV Tag: 128 characters
- This unit can recognize a total of 20 000 files, 2 000 folders (999 files per folder including folder without unsupported files), and of 8 hierarchies. However, the display can only show until 999 folders/files.

■ Cautions

- 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.

About iPod/iPhone

- 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 4S
 - iPhone 4
 - iPhone 3GS
 - iPhone 3G
 - iPhone
- *<iPod Mode>/<Application Mode> are not applicable.
- It is not possible to browse video files on the "Videos" menu in <Headunit 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 website

Additional information

About Bluetooth

- Depending on the Bluetooth version of the device, some Bluetooth devices may not be able to connect to this unit.
- This unit may not work with some Bluetooth devices.
- Signal conditions vary, depending on the surroundings.
- When the unit is turned off, the device is disconnected.
- For more information about Bluetooth, visit the following JVC website

Trademark and license notice

- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by JVC KENWOOD Corporation is under license. Other trademarks and trade names are those of their respective owners.
- Ready to receive HD Radio broadcasts when connected to the KT-HD300, sold separately.
- Sirius, XM and all related marks and logos are trademarks of Sirius XM Radio Inc. All rights reserved.
- "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.
- PANDORA, the PANDORA logo, and the Pandora trade dress are trademarks or registered trademarks of Pandora Media, Inc., used with permission.

Troubleshooting

| Symptom | Remedy/Cause | |
|---|---|---|
| ■ General | | |
| No sound, sound interrupted or static noise. | <ul style="list-style-type: none"> • Check the cords, antenna and cable connections. • Check the condition of the disc, connected device and recorded tracks. • Ensure to use the recommended stereo mini plug when connecting to an external component. (| |
| "Miswiring Check Wiring Reset The Unit"/"Warning Check Wiring Reset The Unit" appears on the display and no operations can be done. | Ensure the terminals of the speaker leads are properly insulated with tape before resetting the unit. (If the message does not disappear, consult your JVC car audio dealer or kits supplying company. | |
| The unit does not work at all. | Reset the unit. | |
| Source cannot be selected. | Check the <Source Select> setting. (page 30) | |
| The correct characters are not displayed (e.g. album name). | This unit can only display letters (capital: A – Z , small: a – z), numbers (0 – 9), and a limited number of symbols, and spacing. | |
| ■ FM/AM | | |
| SSM automatic presetting does not work. | Store stations manually. | |
| ■ CD/USB/iPod/iPhone | | |
| "Please Eject" appears on the display. | Press [▲], then insert the disc correctly. | |
| "In Disc" appears on the display. | The disc cannot be ejected properly. Make sure nothing is blocking the loading slot. | |
| "Reading" keeps flashing on the display. | <ul style="list-style-type: none"> • A longer readout time is required. Do not use too many hierarchical levels and folders. • Reload the disc or reattach the USB device. | |
| Tracks/folders are not played back in the order you have intended. | The playback order is determined by the file name (USB) or the order in which files were recorded (disc). | |
| The elapsed playing time is not correct. | This sometimes occurs during playback. This is caused by how the tracks are recorded on the disc. | |
| "No File" appears on the display. | Check whether the selected folder, the connected USB device, or the iPod/iPhone contains a playable file. | |
| "Not Support" appears on the display and track skips. | Check whether the track is a playable file format. | |
| <ul style="list-style-type: none"> • "Cannot Play" flashes on the display. • The unit cannot detect the connected device. | <ul style="list-style-type: none"> • Ensure that the device contains files in the supported formats. (• Reattach the device. | |
| The iPod/iPhone does not turn on or does not work. | <ul style="list-style-type: none"> • Check the connection between this unit and iPod/iPhone. • Detach and reset the iPod/iPhone using hard reset. For details on resetting the iPod/iPhone, refer to the instruction manual supplied with the iPod/iPhone. • Check whether <iPod Switch> setting is appropriate. | |
| Pandora® | "CANNOT SKIP" | The skip limit has been reached. |
| | "NO STATION" | No registered station in your iPod/iPhone. |
| | "NO ACTIVE STATION" | No active station. |
| | "SET UP PANDORA ON YOUR DEVICE" | Pandora® setup is not completed. Connect the iPod/iPhone to this unit after completing the setup in your iPod/iPhone. |

Troubleshooting

| | Symptom | Remedy/Cause |
|----------|--|--|
| | ■ CD/USB/iPod/iPhone | |
| Pandora® | New station creation: | |
| | "NO STATION" | There are no stations found for the current song or artist. |
| | "STATION REACH LIMIT" | You may not create more than 100 stations. |
| | "CANNOT MAKE NEW STATION" | There is a problem creating a new station, such as a network issue. |
| | ■ HD Radio | |
| | Sound quality changes when receiving HD Radio stations. | Fix the reception mode to either <Analog> or <Digital>. |
| | No sound can be heard. | <ul style="list-style-type: none"> • <Analog> is selected when receiving all digital broadcast of HD Radio station. Select <Auto> or <Digital>. (see page 8) • <Digital> is selected when receiving weak digital signals or receiving conventional radio broadcast. Select <Auto> or <Analog>. |
| | "Reset 08" appears on the display. | Reconnect this unit and the HD Radio tuner box correctly, then reset the unit. |
| | ■ Satellite Radio | |
| | "UNSUBSCRIBED CH" appears on the display while listening to the SIRIUS Satellite Radio. | SIRIUS or XM Satellite Radio is connected but does not have an active subscription. For information on how to subscribe, |
| | No sound can be heard. "UPDATING" appears on the display. | The unit is updating the channel information and it takes a few minutes to complete. |
| | "ACQUIRING SIGNAL" or "NO SIGNAL" appears on the display. | Make sure your Satellite Radio antenna is mounted outside the vehicle. Move the vehicle to an area with a clear view of the sky. |
| | "ANTENNA ERROR" or "CHECK ANTENNA" appears on the display. | Check your Satellite Radio antenna connection and be sure it is firmly attached. |
| | "INVALID CHANNEL" appears on the display for about 5 seconds, then returns to the previous channel or default channel while listening to the SIRIUS Satellite Radio. | <ul style="list-style-type: none"> • No broadcast on the selected channel. • Select another channel or continue listening to the previous channel or default channel. |
| | Blank display appears. | No text information for the selected channel. |
| | "CHANNEL--" or "CHANNEL UNAVL" appears on the display for about 2 seconds, then returns to the previous channel while listening to the XM Satellite Radio. | <ul style="list-style-type: none"> • Selected channel is no longer available or is unauthorized. • Select another channel or continue listening to the previous channel. |
| | "OFF AIR" appears on the display while listening to the XM Satellite Radio. | <ul style="list-style-type: none"> • Selected channel is not broadcasting at this time. • Select another channel or continue listening to the previous channel. |
| | "LOADING" appears on the display while listening to the XM Satellite Radio. | <ul style="list-style-type: none"> • The unit is loading the channel information and audio. • Text information are temporarily unavailable. |
| | "RESET 08" appears on the display. Satellite Radio does not work at all. | Reconnect this unit and the Satellite Radio correctly and reset this unit. |

| Symptom | Remedy/Cause |
|--|---|
| ■ Bluetooth | |
| "BT-1"/"BT-2" cannot be selected. | Check <Bluetooth Audio> in the <Source Select> setting. |
| No Bluetooth device is detected. | <ul style="list-style-type: none"> • Search from the Bluetooth device again. • Reset the unit. (|
| Pairing cannot be made. | <ul style="list-style-type: none"> • Make sure you have entered the same PIN code to both the unit and Bluetooth device. • Delete pairing information from both the unit and the Bluetooth device, then perform pairing again. |
| "Pairing Full" appears on the display when trying to perform pairing. | <ul style="list-style-type: none"> • You have already registered the maximum of five Bluetooth devices in the unit. To pair another device, delete an existing paired device from the unit first. |
| Echo or noise occurs. | <ul style="list-style-type: none"> • Adjust the microphone unit's position. • Adjust <NR/EC Mode> and <Mic Level> to a better combination. (|
| Phone sound quality is poor. | <ul style="list-style-type: none"> • Reduce the distance between the unit and the Bluetooth device. • Move the car to a place where you can get a better signal reception. |
| The unit does not respond when you try to copy the phonebook to the unit. | You may have tried to copy the same entries (as stored) to the unit. Press DISP or ➡ to exit. |
| Sound is being interrupted or skipped during playback of a Bluetooth audio player. | <ul style="list-style-type: none"> • Reduce the distance between the unit and the Bluetooth audio player. • Turn off, then turn on the unit and try to connect again. • Other Bluetooth devices might be trying to connect to the unit. |
| The connected Bluetooth audio player cannot be controlled. | <ul style="list-style-type: none"> • Check whether the connected Bluetooth audio player supports Audio/Video Remote Control Profile (AVRCP). (Refer to the instructions of your audio player.) • Disconnect and connect the Bluetooth player again. |
| "Voice" calling method is not successful. | <ul style="list-style-type: none"> • Use "Voice" calling method in a more quiet environment. • Reduce the distance from the microphone when you speak the name. • Change "NR/EC Mode" to "Off" (☞ page 20), then try again. |
| "Not Support" appears when trying to perform voice dial. | The connected phone does not support this feature. |
| "Connection Error" appears on the display. | The device is registered but the connection has failed. Connect the device manually. |
| "Error" appears on the display. | Try the operation again. If "Error" appears again, check if the device supports the function you have tried. |
| "Please Wait" appears on the display. | The unit is preparing to use the Bluetooth function. If the message does not disappear, turn off and turn on the unit, then connect the device again (or reset the unit). (☞ page 4) |
| "HW Error" appears on the display. | Reset the unit and try the operation again. If "HW Error" appears again, consult your nearest JVC car audio dealer. |
| "BT Device Not Found" appears on the display. | <ul style="list-style-type: none"> • The unit failed to search for the registered Bluetooth devices during Auto Connect. Turn on Bluetooth from your device and connect manually. |

Specifications

AUDIO AMPLIFIER SECTION

| | | |
|---|--|---|
| Power Output | 20 W RMS x 4 Channels at 4Ω and ≤ 1% THD+N |  |
| Load Impedance | 4Ω (4Ω to 8Ω allowance) | |
| Frequency Response | 40 Hz to 20 000 Hz | |
| Signal-to-Noise Ratio | 80 dBA (reference: 1 W into 4Ω) | |
| Line-Out, Subwoofer-Out Level/Impedance | 5 V/20 kΩ load (full scale) | |
| Output Impedance | ≤ 600Ω | |

TUNER SECTION

| | | |
|----|---|---|
| FM | Frequency Range | 200 kHz step: 87.9 MHz to 107.9 MHz 50 kHz step: 87.5 MHz to 108.0 MHz |
| | Usable Sensitivity | 9.3 dBf (0.8 μV/75Ω) |
| | 50 dB Quieting Sensitivity | 16.3 dBf (1.8 μV/75Ω) |
| | Alternate Channel Selectivity (400 kHz) | 65 dB |
| | Frequency Response | 40 Hz to 15 000 Hz |
| | Stereo Separation | 40 dB |
| AM | Frequency Range | 10 kHz step: 530 kHz to 1 700 kHz 9 kHz step: 531 kHz to 1 611 kHz |
| | Sensitivity/Selectivity | 20 μV/40 dB |

CD PLAYER SECTION

| | |
|-------------------------|--|
| 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 | 102 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/WAV |
| Maximum Supply Current | DC 5 V = 1 A |

BLUETOOTH SECTION

| | |
|--------------|---|
| Version | Bluetooth 2.1 certified (+EDR) |
| Power Class | Class 2 Radio |
| Service Area | 10 m (10.9 yd) |
| Profile | HFP 1.5, OPP 1.1, A2DP 1.2, AVRCP 1.3, PBAP 1.0 |

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 (32°F to 104°F) |
| Dimensions (W × H × D) (approx.) | Installation Size | 182 mm × 52 mm × 159 mm (7-3/16" × 2-1/16" × 6-5/16") |
| | Panel Size | 188 mm × 59 mm × 13 mm (7-7/16" × 2-3/8" × 9/16") |
| Mass | | 1.4 kg (3.1 lbs) (excluding accessories) |

Subject to changes without notice.