KENWOOD

# DPX302U

DUAL DIN SIZED CD RECEIVER
## INSTRUCTION MANUAL
RECEPTEUR CD FORMAT DUAL DIN
## MODE D'EMPLOI
RECEPTOR DUAL DE CD TAMAÑO DIN
## MANUAL DE INSTRUCCIONES

JVCKENWOOD Corporation

Designed for Windows Media™

Made for iPod iPhone

WORKS WITH PANDORA®

SiriusXM READY

iHeart RADIO

**For your records**
Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your Kenwood dealer for information or service on the product.
Model DPX302U
Serial number _____

***US Residents Only***

**Register Online**

Register your Kenwood product at **www.Kenwoodusa.com**

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B5A-0903-00 (KN)

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# BEFORE USE

## IMPORTANT

- To ensure proper use, please read through this manual before using this product. It is especially important that you read and observe Warning and Caution in this manual.
- Please keep the manual in a safe and accessible place for future reference.

### ⚠ Warning

**Do not operate any function that takes your attention away from safe driving.**

### ⚠ Caution

**Volume setting:**

- Adjust the volume so that you can hear sounds outside the car to prevent accidents.
- Lower the volume before playing digital sources to avoid damaging the speakers by the sudden increase of the output level.

**General:**

- Avoid using the external device if it might hinder safe driving.
- Make sure all important data has been backed up. We shall bear no responsibility for any loss of recorded data.
- Never put or leave any metallic objects (such as coins or metal tools) inside the unit to prevent a short circuit.
- If a disc error occurs due to condensation on the laser lens, eject the disc and wait for the moisture to evaporate.
- Depending on the types of cars, the antenna will automatically extend when you turn on the unit with the antenna control wire connected (➡ **23**). Turn off the unit or change the source to STANDBY when parking at a low ceiling area.

**Remote control (RC-406):**

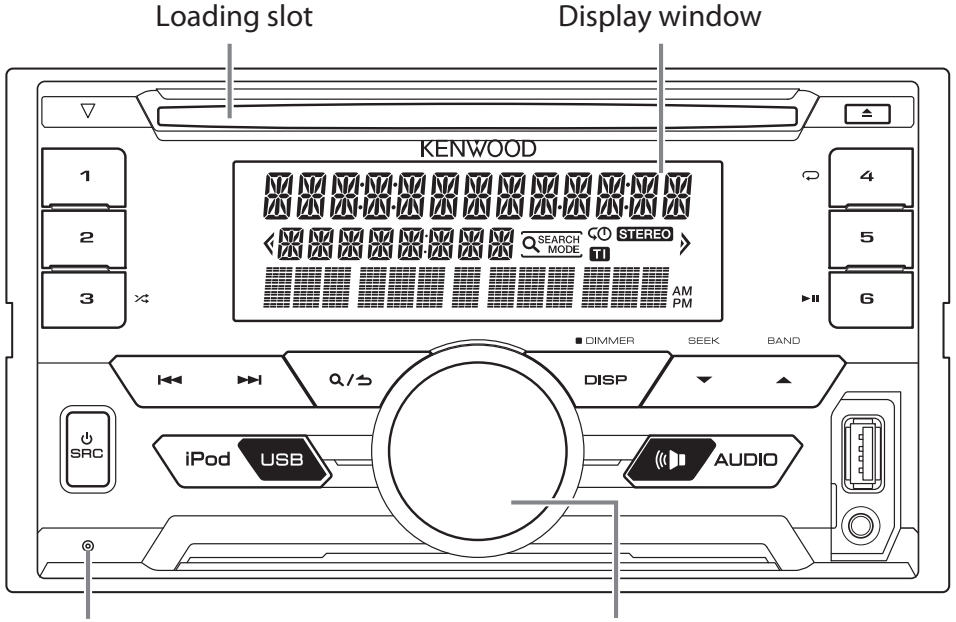
- Do not leave the remote control in hot places such as on the dashboard.
- The Lithium battery is in danger of explosion if replaced incorrectly. Replace it only with the same or equivalent type.
- The battery pack or batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- Keep the battery out of reach of children and in its original packaging when not in used. Dispose of used batteries promptly. If swallowed, contact a physician immediately.

**How to read this manual**

- Operations are explained mainly using buttons on the faceplate.
- English indications are used for the purpose of explanation. You can select the display language from the [**FUNCTION**] menu. (➡ **5**)
- [**XX**] indicates the selected items.
- (➡ **XX**) indicates references are available on the stated page.

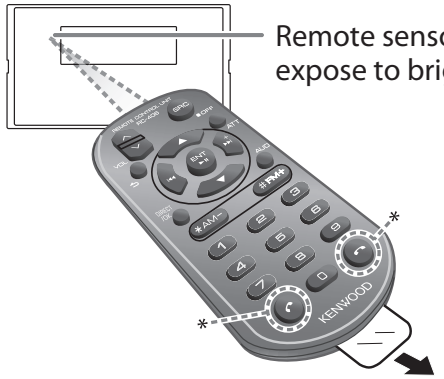
# BASICS

## Faceplate



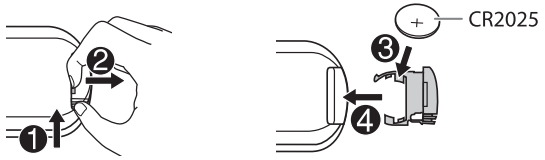

- Your preset adjustments will be erased except stored radio stations.

## Remote control (RC-406)




* Not used

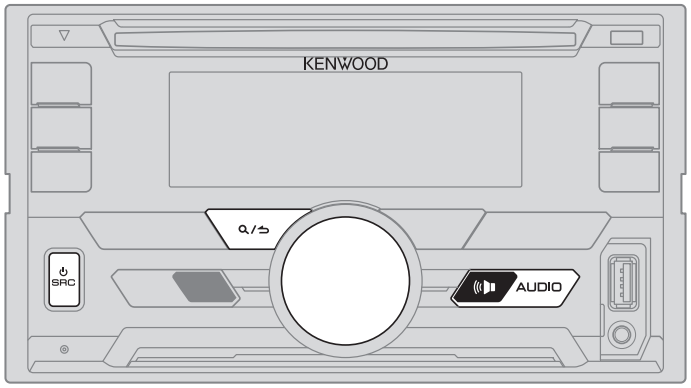
**How to replace the battery**




| To | On the faceplate | On the remote control |
|---|---|---|
| **Turn on the power** | Press ⏻ **SRC**.<br>• Press and hold to turn off the power. | Press and hold **SRC** to turn off the power.<br>( Pressing **SRC** does not turn on the power. ) |
| **Adjust the volume** | Turn the volume knob. | Press **VOL** ∧ or **VOL** ∨. |
| | | Press **ATT** during playback to attenuate the sound.<br>• Press again to cancel. |
| **Select a source** | Press ⏻ **SRC** repeatedly. | Press **SRC** repeatedly. |
| **Change the display information*** | Press **DISP** repeatedly. (➡ 21) | ( Not available ) |

* You can also turn off the display information by pressing **DISP** repeatedly.

# GETTING STARTED




## 1 Select the display language and cancel the demonstration

When you turn on the power (or after you reset the unit), the display shows: "SEL LANGUAGE" ➡ "PRESS" ➡ "VOLUME KNOB"

1 **Turn the volume knob to select [ENG] (English) or [SPA] (Spanish), then press the knob.**
[ENG] is selected for the initial setup.
Then, the display shows: "CANCEL DEMO" ➡ "PRESS" ➡ "VOLUME KNOB".
2 **Press the volume knob.**
[YES] is selected for the initial setup.
3 **Press the volume knob again.**
"DEMO OFF" appears.

## 2 Set the clock and date

1 **Press the volume knob to enter [FUNCTION].**
2 **Turn the volume knob to select [CLOCK], then press the knob.**

<u>To adjust the clock</u>

3 **Turn the volume knob to select [CLOCK ADJUST], then press the knob.**
4 **Turn the volume knob to make the settings, then press the knob.**
Hour ➡ Minute
5 **Turn the volume knob to select [CLOCK FORMAT], then press the knob.**
6 **Turn the volume knob to select [12H] or [24H], then press the knob.**

<u>To set the date</u>

7 **Turn the volume knob to select [DATE FORMAT], then press the knob.**
8 **Turn the volume knob to select [DD/MM/YY] or [MM/DD/YY], then press the knob.**
9 **Turn the volume knob to select [DATE SET], then press the knob.**
10 **Turn the volume knob to make the settings, then press the knob.**
Day ➡ Month ➡ Year or Month ➡ Day ➡ Year
11 **Press and hold 🔍/⮌ to exit.**

To return to the previous setting item, press 🔍/⮌.

## 3 Set the initial settings

1 **Press ⏻ SRC repeatedly to enter STANDBY.**
2 **Press the volume knob to enter [FUNCTION].**
• Pressing 🔊 **AUDIO** enter [AUDIO CONTROL] directly.
3 **Turn the volume knob to select an item (see the following table), then press the knob.**
4 **Repeat step 3 until the desired item is selected or activated.**
5 **Press and hold 🔍/⮌ to exit.**

To return to the previous setting item, press 🔍/⮌.

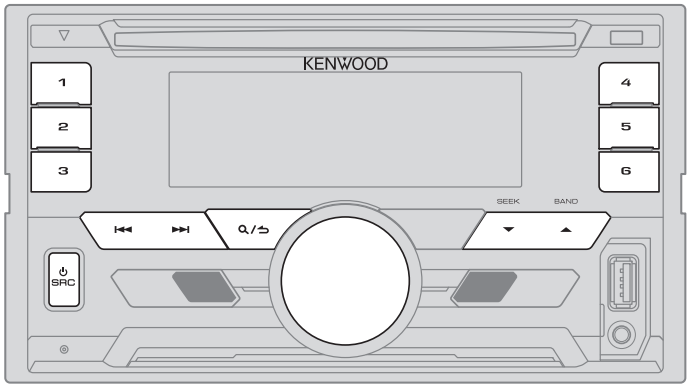
Default: <u>XX</u>

| AUDIO CONTROL | |
|---|---|
| SWITCH PREOUT | <u>REAR</u>/ SUBWOOFER: Selects whether rear speakers or a subwoofer are connected to the line out terminals on the rear (through an external amplifier). |
| SP SELECT | <u>OFF</u>/ 5/4/ 6 × 9/6/ OEM: Selects according to the speaker size (5 inches or 4 inches, 6×9 inches or 6 inches) or OEM speakers for optimum performance. |

## GETTING STARTED

| | |
|---|---|
| **DISPLAY** | |
| **EASY MENU** | When entering [**FUNCTION**]...<br>**ON**: ZONE1 and ZONE2 illuminations change to white color. ;<br>**OFF**: ZONE2 illumination changes to white color while ZONE1 illumination remains as [**COLOR SELECT**] color. (➡ **17**)<br>(Refer to the illustration on page 16 for zone identification.) |
| **TUNER SETTING** | |
| **PRESET TYPE** | **NORMAL**: Memorizes one station for each preset button in each band (FM1/ FM2/ FM3/ AM). ; **MIX**: Memorizes one station or SiriusXM channel for each preset button, regardless of the selected band or SiriusXM channel. |
| **SYSTEM** | |
| **KEY BEEP** | **ON**: Activates the keypress tone. ; **OFF**: Deactivates. |
| **SOURCE SELECT** | |
| **PANDORA SRC** | **ON**: Enables PANDORA in source selection. ; **OFF**: Disables. (➡ **10**) |
| **IHEART SRC** | **ON**: Enables IHEARTRADIO in source selection. ; **OFF**: Disables. (➡ **11**) |
| **BUILT-IN AUX** | **ON**: Enables AUX in source selection. ; **OFF**: Disables. (➡ **7**) |
| **CD READ** | **1**: Automatically distinguishes between audio file disc and music CD. ; **2**: Forces to play as a music CD. No sound can be heard if an audio file disc is played. |
| **F/W UPDATE** | |
| **UPDATE SYSTEM** | |
| **F/W UP xx.xx** | **YES**: Starts upgrading the firmware. ; **NO**: Cancels (upgrading is not activated).<br>For details on how to update the firmware, see: www.kenwood.com/cs/ce/ |
| **CLOCK** | |
| **CLOCK DISPLAY** | **ON**: The clock time is shown on the display even when the unit is turned off. ; **OFF**: Cancels. |
| **ENGLISH**<br>**ESPANOL** | Select the display language for [**FUNCTION**] menu and music information if applicable.<br>By default, [**ENGLISH**] is selected. |

# RADIO




### Search for a station

1. **Press ⏻ SRC repeatedly to select TUNER.**
2. **Press ▲ BAND repeatedly (or press #FM+ / ✻AM– on RC-406) to select FM1/ FM2/ FM3/ AM.**
3. **Press ⏮ / ⏭ (or press ⏮ / ⏭ (+) on RC-406) to search for a station.**

- **To change the searching method for ⏮ / ⏭**: Press ▼ **SEEK** repeatedly.
  **AUTO1** : Automatically search for a station.
  **AUTO2** : Search for a preset station.
  **MANUAL** : Manually search for a station.
- **To store a station**: Press and hold one of the number buttons (**1** to **6**).
- **To select a stored station**: Press one of the number buttons (**1** to **6**) (or press one of the number buttons (**1** to **6**) on RC-406).

## Direct Access Tuning (using RC-406)

1 **Press DIRECT to enter Direct Access Tuning.**
2 **Press the number buttons to enter a frequency.**
3 **Press ENT ▶❚❚ to search for a station.**

- To cancel, press ⮌ or **DIRECT**.
- If no operation is done for 10 seconds after step **2**, Direct Access Tuning is automatically canceled.

## Other settings

1 **Press the volume knob to enter [FUNCTION].**
2 **Turn the volume knob to select an item (see the following table), then press the knob.**
3 **Repeat step 2 until the desired item is selected or activated.**
4 **Press and hold 🔍/⮌ to exit.**

To return to the previous setting item, press 🔍/⮌.

Default: **XX**

| TUNER SETTING | |
|---|---|
| **AUTO MEMORY** | **YES**: Automatically starts memorizing 6 stations with good reception. ; **NO**: Cancels.<br>• Selectable only if [**NORMAL**] is selected for [**PRESET TYPE**]. (➡ **5**) |
| **MONO SET** | **ON**: Improves the FM reception, but the stereo effect may be lost. ; **OFF**: Cancels. |
| **TI** | **ON**: Allows the unit to temporarily switch to Traffic Information if available ("TI" lights up). ; **OFF**: Cancels. |
| **PTY SEARCH** | Select the available Program Type (see the following), then, press ⏮ / ⏭ to start. |

| CLOCK | |
|---|---|
| **TIME SYNC** | **ON**: Synchronizes the unit's time to the Radio Broadcast Data System station time. ; **OFF**: Cancels. |

**Available Program Type for PTY SEARCH**

**SPEECH** : **NEWS**, **INFORM** (information), **SPORTS**, **TALK**, **LANGUAGE**, **REL TALK** (religious talk), **PERSNLTY** (personality), **PUBLIC**, **COLLEGE**, **HABL ESP** (spanish talk), **WEATHER**

**MUSIC** : **ROCK**, **CLS ROCK** (classic rock), **ADLT HIT** (adult hits), **SOFT RCK** (softrock), **TOP 40**, **COUNTRY**, **OLDIES**, **SOFT**, **NOSTALGA** (nostalgia), **JAZZ**, **CLASSICL** (classical), **R & B** (rhythm and blues), **SOFT R&B** (soft rhythm and blues), **REL MUSC** (religious music), **MUSC ESP** (spanish music), **HIP HOP**

The unit will search for the Program Type categorized under [**SPEECH**] or [**MUSIC**] if selected.

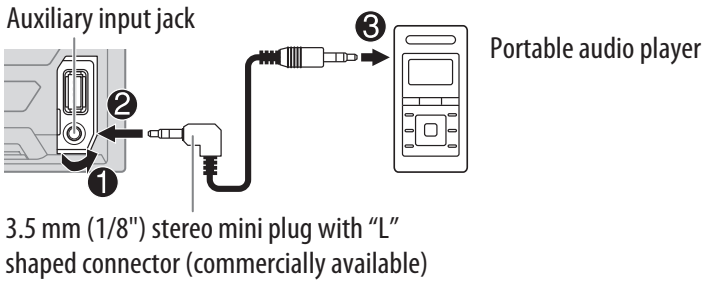
- [**MONO SET**]/ [**TI**]/ [**PTY SEARCH**] is selectable only when the band is FM1/ FM2/ FM3.
- If the volume is adjusted during reception of traffic information or news bulletin, the adjusted volume is memorized automatically. It will be applied the next time traffic information or news bulletin is turned on.

# AUX

**Preparation:**
Select [**ON**] for [**BUILT-IN AUX**]. (➡ **5**)

## Start listening

**1 Connect a portable audio player (commercially available).**




**2 Press ⏻ SRC repeatedly to select AUX.**
**3 Turn on the portable audio player and start playback.**

## Set the AUX name

While listening to a portable audio player connected to the unit...

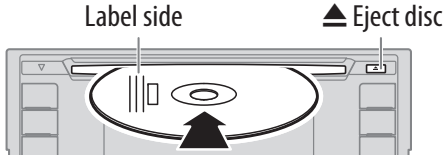
**1 Press the volume knob to enter [FUNCTION].**
**2 Turn the volume knob to select [SYSTEM], then press the knob.**
**3 Turn the volume knob to select [AUX NAME SET], then press the knob.**
**4 Turn the volume knob to select an item, then press the knob.**
**AUX** (default)/ **DVD**/ **PORTABLE**/ **GAME**/ **VIDEO**/ **TV**
**5 Press and hold 🔍/⮌ to exit.**

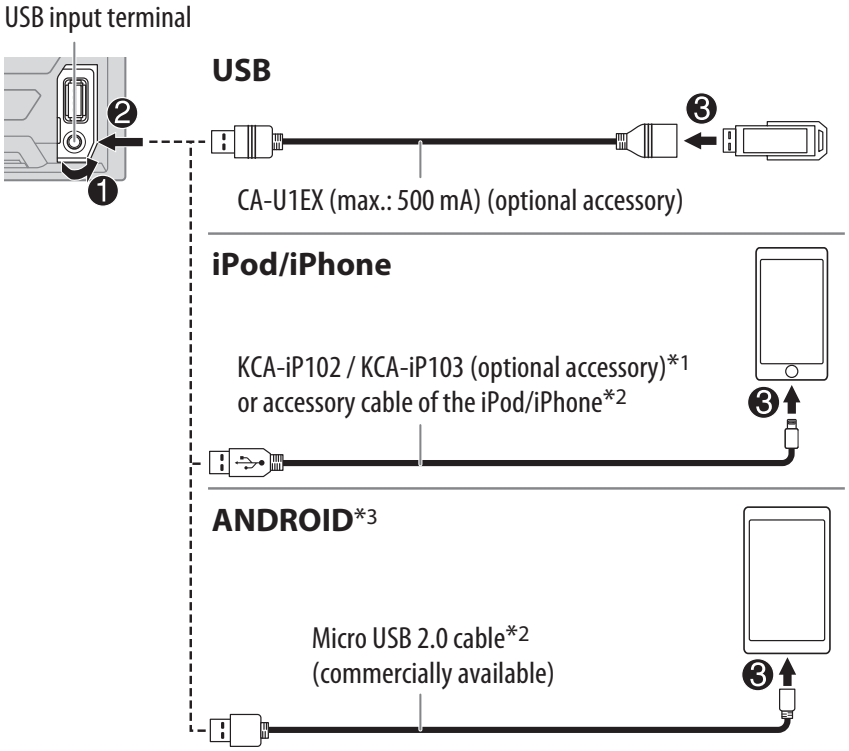
To return to the previous setting item, press 🔍/⮌.

# CD / USB / iPod / ANDROID

## Start playback

The source changes automatically and playback starts.

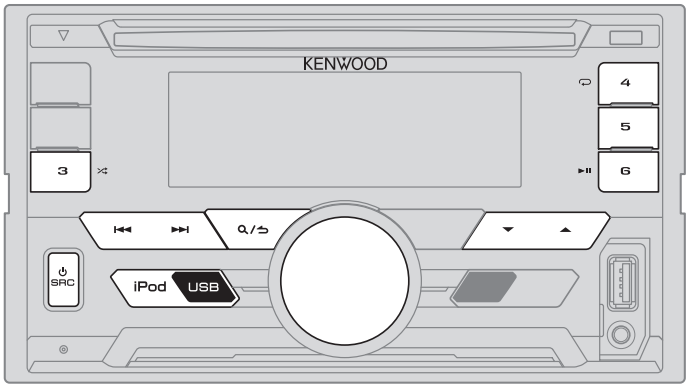



*1 KCA-iP102 : 30-pin type, KCA-iP103 : Lightning type
*2 Do not leave the cable inside the car when not using.
*3 When connecting an Android device, "Press [VIEW] to install KENWOOD MUSIC PLAY APP" is shown. Follow the instructions to install the application. You can also install the latest version of KENWOOD MUSIC PLAY application on your Android device before connecting. (➡ **20**)

# CD / USB / iPod / ANDROID

To directly select USB/ IPOD/ ANDROID source, press **iPod USB**.




| To | On the faceplate | On the remote control |
|---|---|---|
| Playback / pause | Press **6 ▶II.** | Press **ENT ▶II.** |
| Reverse / Fast-forward*4 | Press and hold **I◀◀ / ▶▶I.** | Press and hold **I◀◀ / ▶▶I (+).** |
| Select a track/file | Press **I◀◀ / ▶▶I.** | Press **I◀◀ / ▶▶I (+).** |
| Select a folder*5 | Press **▲ / ▼.** | Press **#FM+ / ✻AM–.** |
| Repeat play*6 | Press **4** repeatedly.<br>**TRACK REPEAT/ ALL REPEAT** : Audio CD<br>**FILE REPEAT/ FOLDER REPEAT/ ALL REPEAT** : MP3/WMA/WAV/FLAC file<br>**FILE REPEAT/ FOLDER REPEAT/ REPEAT OFF** : iPod or ANDROID | |
| Random play*6 | Press **3** repeatedly.<br>**DISC RANDOM/ RANDOM OFF** : Audio CD<br>**FOLDER RANDOM/ RANDOM OFF** : MP3/WMA/WAV/FLAC file, iPod or ANDROID | |
| | Press and hold **3** to select **ALL RANDOM.***7 | |

*4 For ANDROID: Applicable only when [**BROWSE MODE**] is selected.
*5 For CD: Only for MP3/WMA files. This does not work for iPod/ ANDROID.
*6 For iPod/ ANDROID: Applicable only when [**MODE OFF**]/ [**BROWSE MODE**] is selected.
*7 For CD: Only for MP3/WMA files.

## Select control mode

**While in IPOD source, press iPod USB repeatedly.**

**MODE ON** : Control iPod using the iPod itself. However, you can still play/pause, file skip, fast-forward or reverse from this unit.

**MODE OFF** : Control iPod from this unit.

**While in ANDROID source, press iPod USB repeatedly.**

**BROWSE MODE** : Control Android device from this unit via KENWOOD MUSIC PLAY application installed in the Android device.

**HAND MODE** : Control Android device using the Android device itself via other media player applications installed in the Android device. However, you can still play/pause and file skip from this unit.

## Select music drive

**Press iPod USB repeatedly.**

Stored songs in the following drive will be played back.

- Selected internal or external memory of a smartphone (Mass Storage Class).
- Selected drive of a multiple drives device.

## Listen to TuneIn Radio/ TuneIn Radio Pro/ Aupeo

While listening to TuneIn Radio, TuneIn Radio Pro or Aupeo, connect the iPod/iPhone to the USB input terminal of the unit.

- The unit will output the sound from these applications.

## Select a file from a folder/list

**1 Press 🔍/⮌.**
**2 Turn the volume knob to select a folder/list, then press the knob.**
**3 Turn the volume knob to select a file, then press the knob.**

**Quick Search**
If you have many files in the iPod, you can search through them quickly according to the first character of the file name.

1. Turn the volume knob quickly to enter character search.
2. Turn the volume knob to select the character.
   To search for a character other than A to Z and 0 to 9, enter only "*".
3. Press ⏮ / ⏭ to move to the entry position.
   - You can enter up to 3 characters.
4. Press the volume knob to start searching.

- To return to the root folder/ first file/ top menu, press **5**.
- To return to the previous setting item, press 🔍/⮌.
- To cancel, press and hold 🔍/⮌.
- For iPod, applicable only when [**MODE OFF**] is selected. (➡ 8)
- For ANDROID, applicable only when [**BROWSE MODE**] is selected. (➡ 8)

## Direct Music Search (using RC-406)

**1 Press DIRECT.**
**2 Press the number buttons to enter a track/file number.**
**3 Press ENT ▶❚❚ to search for music.**

- To cancel, press ⮌ or **DIRECT**.
- Not available if Random Play is selected.
- Not applicable for iPod and ANDROID.

## Other settings

**1 Press the volume knob to enter [FUNCTION].**
**2 Turn the volume knob to select an item (see the following table), then press the knob.**
**3 Repeat step 2 until the desired item is selected or activated.**
**4 Press and hold 🔍/⮌ to exit.**

To return to the previous setting item, press 🔍/⮌.

Default: **XX**

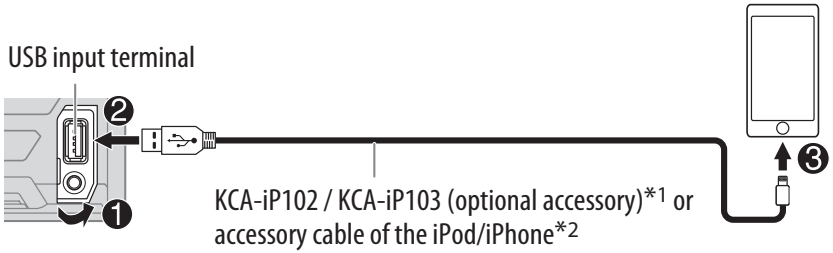
| USB | |
|---|---|
| **MUSIC DRIVE** | **DRIVE CHANGE**: The next drive ([**DRIVE 1**] to [**DRIVE 5**]) is selected automatically and playback starts.<br>Repeat steps **1** to **3** to select the following drives. |
| **SKIP SEARCH** | **0.5%**/ **1%**/ **5%**/ **10%**: While listening to iPod or ANDROID, selects the skip search ratio over the total files. |

# Pandora®

**Preparation:**
Install the latest version of the Pandora application on your device (iPhone/ iPod touch), then create an account and log in to Pandora.
- Select [**ON**] for [**PANDORA SRC**]. (➡ **5**)

## Start listening

**1 Open the Pandora application on your device.**
**2 Connect your device to the USB input terminal.**




The source changes to PANDORA and broadcast starts.

| To | On the faceplate | On the remote control |
|---|---|---|
| Playback / pause | Press **6 ▶II.** | Press **ENT ▶II.** |
| Skip a track | Press ►►I. | Press ►►I **(+).** |
| Thumbs up or thumbs down*3 | Press ▲ / ▼. | Press **#FM+ / ✻AM–.** |

*1 KCA-iP102 : 30-pin type, KCA-iP103 : Lightning type
*2 Do not leave the cable inside the car when not using.
*3 If thumbs down is selected, the current track is skipped.

## Create and save a new station

**1 Press 🔍/⮌.**
**2 Turn the volume knob to select [NEW STATION], then press the knob.**
**3 Turn the volume knob to select [FROM TRACK] or [FROM ARTIST], then press the knob.**
A new station is created based on the current song or artist.
**4 Press and hold one of the number buttons (1 to 5) to store.**

To select a stored station, press one of the number buttons (**1** to **5**).

## Search for a registered station

**1 Press 🔍/⮌.**
**2 Turn the volume knob to select an item, then press the knob.**
[**BY DATE**]: According to the registered date
[**A-Z**]: Alphabetical order
**3 Turn the volume knob to select the desired station, then press the knob.**

To cancel, press and hold 🔍/⮌.

(or using RC-406)

**Press ▲/▼ to search for a station, then press ENT ▶II.**

## Bookmark current song information

**Press and hold the volume knob.**
"BOOKMARKED" appears and the information is stored to your device.
The bookmark is available on your Pandora account but not on this unit.

## Pandora®

### Delete a station

While listening to PANDORA...

1. **Press the volume knob to enter [FUNCTION].**
2. **Turn the volume knob to select [SYSTEM], then press the knob.**
3. **Turn the volume knob to select [STATION DEL], then press the knob.**
4. **Turn the volume knob to select [A-Z] or [BY DATE], then press the knob.**
5. **Turn the volume knob to select the desired station to delete, then press the knob.**
6. **Turn the volume knob to select [YES], then press the knob.**
7. **Press and hold 🔍/⮌ to exit.**

To return to the previous setting item, press 🔍/⮌.

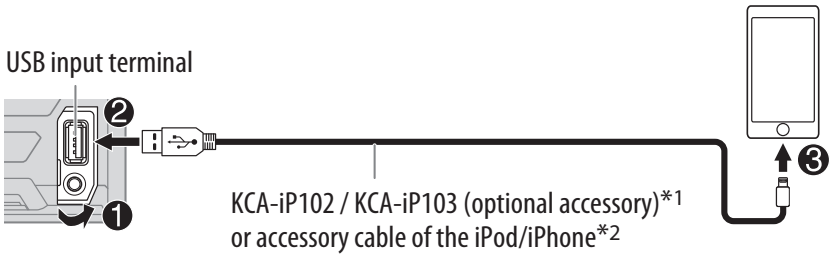
# iHeartRadio®

**Preparation:**
Install the latest version of iHeart Link for KENWOOD application on your device (iPhone/ iPod touch), then create an account and log in to iHeartRadio.

- Select [**ON**] for [**IHEART SRC**]. (➡ **5**)

### Start listening

1. **Open the iHeart Link application on your device.**
2. **Connect your device to the USB input terminal.**




3. **Press ⏻ SRC repeatedly to select IHEARTRADIO.**
   Broadcast starts automatically.

| To | On the faceplate | On the remote control |
|---|---|---|
| **Playback / pause** | **Press 6 ▶❚❚.** | **Press ENT ▶❚❚.** |
| **Skip a track for custom station** | **Press ►►\|.** | **Press ►►\| (+).** |
| **Thumbs up or thumbs down*3 for custom station** | **Press ▲ / ▼.** | ( Not available ) |
| **Create a new/custom station** | **Press 1.** | ( Not available ) |
| **Add to favorite stations for live station** | **Press 2.** | ( Not available ) |
| **Scan for live station** | **Press 3.** | ( Not available ) |

*1 KCA-iP102 : 30-pin type, KCA-iP103 : Lightning type
*2 Do not leave the cable inside the car when not using.
*3 If thumbs down is selected, the current track is skipped.

## iHeartRadio®

### Search for a station

1 **Press 🔍/⮌.**
2 **Turn the volume knob to select a category, then press the knob.**
3 **Turn the volume knob to select the desired station, then press the knob.**
When a city list appears, you can skip cities in alphabetical order.

To cancel, press and hold 🔍/⮌.

(or using RC-406)

**Press ▲/▼ to search for a station, then press ENT ▶II.**

### Skip cities by alphabetical order

While a city list appears during search...

1 **Turn the volume knob quickly to enter character search.**
2 **Turn the volume knob or press ⏮ / ⏭ to select the character to be searched for.**
3 **Press ▲/▼ to move to the previous/next page.**
4 **Press the volume knob to start searching.**

To cancel, press and hold 🔍/⮌.

### Delete a station

While listening to IHEARTRADIO...

1 **Press the volume knob to enter [FUNCTION].**
2 **Turn the volume knob to select [SYSTEM], then press the knob.**
3 **Turn the volume knob to select [STATION DEL], then press the knob.**
4 **Turn the volume knob to select [LIVE] or [CUSTOM], then press the knob.**
5 **Turn the volume knob to select the desired station to delete, then press the knob.**
6 **Turn the volume knob to select [YES], then press the knob.**
7 **Press and hold 🔍/⮌ to exit.**

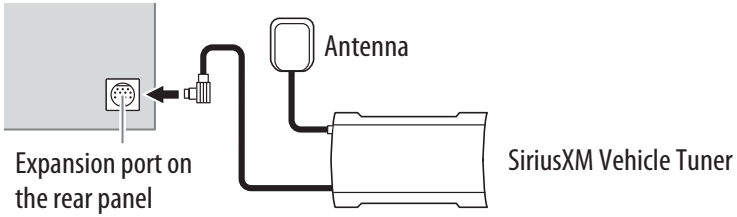
To return to the previous setting item, press 🔍/⮌.

# SiriusXM® Radio

Only SiriusXM® brings you more of what you love to listen to, all in one place. Get over 140 channels, including commercial-free music plus the best sports, news, talk, comedy and entertainment. Welcome to the world of satellite radio. A SiriusXM Vehicle Tuner and Subscription are required. For more information, visit www.siriusxm.com.

**Preparation:**

1 **Connect the optional SiriusXM Vehicle Tuner (commercially available).**




2 **Check your Radio ID for activation.**
The SiriusXM Radio ID is required for activation and can be found by tuning to Channel 0 as well as on the label found on the SiriusXM Connect tuner and its packaging.
The Radio ID does not include the letters I, O, S or F.
3 **Activate the subscription.**
For users in the U.S.A.:
Online: Go to www.siriusxm.com
Phone: Call 1-866-635-2349
For users in Canada:
Online: Go to www.siriusxm.ca/activatexm
Phone: Call 1-877-438-9677
4 **Press ⏻ SRC repeatedly to select SIRIUS XM to start updating.**

## Start listening

1 **Press ⏻ SRC repeatedly to select SIRIUS XM.**
2 **Press ▲ BAND repeatedly to select a band.**
3 **Press 🔍/⮌.**
"🔍SEARCH MODE" lights up.
4 **Turn the volume knob to select a category, then press the knob.**
If "ALL CHANNELS" is selected, all the available channels will be shown.
5 **Turn the volume knob to select a channel, then press the knob.**
**(or)**
**Press ⏮ / ⏭ to search for a channel manually.**
• Pressing and holding ⏮ / ⏭ changes the channel rapidly.

If a locked channel or a mature channel is selected, a pass code input screen appears. Enter the pass code to receive the channel. (➡ **14**)

**To change the tuning method for ⏮ / ⏭:** Press ▼ **SEEK**. Each time you press ▼ **SEEK**, the tuning method switches between "CHANNEL" (manually search for a channel) and "PRESET" (searches for a preset channel of the selected band).

## Direct Access Tuning (using RC-406)

1 **Press DIRECT to enter Direct Access Tuning.**
2 **Press the number buttons to enter a channel number.**
3 **Press ENT ▶❚❚ to start searching.**

• To cancel, press ⮌ or **DIRECT**.
• If no operation is done for 10 seconds after step **2**, Direct Access Tuning is automatically canceled.

## SiriusXM Keymode

**Press and hold ▼ SEEK to change the keymode (channel or replay).**
**(Default: Channel keymode)**
"⟲⏻" lights up when replay keymode is selected.

**When channel keymode is selected...**

| To | On the faceplate | On the remote control |
|---|---|---|
| Select a channel | Press ⏮ / ⏭. | Press ⏮ / ⏭ (+). |
| Change a channel rapidly | Press and hold ⏮ / ⏭. | Press and hold ⏮ / ⏭ (+). |
| Store a channel of the current band | Press and hold one of the number buttons (1 to 6). | (Not available) |
| Select a stored channel of the current band | Press one of the number buttons (1 to 6). | |

**When replay keymode is selected...**

| To | On the faceplate | On the remote control |
|---|---|---|
| Playback / pause | Press 6 ▶❚❚. | Press ENT ▶❚❚. |
| Select a track | Press ⏮ / ⏭. | Press ⏮ / ⏭ (+). |
| Rewind / Fast-forward | Press and hold ⏮ / ⏭. | Press and hold ⏮ / ⏭ (+). |
| Go to Live | Press 1. | |

## SmartFavorites and TuneStart™

User stored channels are recognized as SmartFavorite channels*. The SiriusXM Vehicle Tuner automatically buffers the broadcast content in the background.

- SmartFavorites feature is available with SXV200 or later SiriusXM Vehicle Tuner.

* SXV300 (and later) SiriusXM Vehicle Tuner can use all 18 stored channels as SmartFavorites. The SXV200 SiriusXM Vehicle Tuner can use 6 stored channels from the current band as SmartFavorites.

When you select a SmartFavorite channel, you can rewind and replay up to 30 minutes of any of the missed news, talk, sports or music content.

- Playback starts from the beginning of the song if [**TUNE START**] is set to [**ON**] (➡ **15**) for most music channels stored as a SmartFavorite.

**Press one of the number buttons (1 to 6) to select a stored channel.**

## TuneScan™

You can get a short preview of the songs that you have missed on each of your SmartFavorite music channels or currently tuned music channel.

**Press and hold ▲ BAND to start scanning the first 6 seconds of the recorded music contents.**

- To listen to the current song, press the volume knob to stop scanning. The unit continues playing the current song.
- To select the previous/next song, press I◄◄ / ►►I.
- To cancel scanning, press and hold the volume knob. Playback returns to the channel before you entered TuneScan.

## SiriusXM settings

1. **Press the volume knob to enter [FUNCTION].**
2. **Turn the volume knob to select [SIRIUS XM], then press the knob.**
3. **Turn the volume knob to select an item (see the following table), then press the knob.**
4. **Repeat step 3 until the desired item is selected/activated or follow the instructions stated on the selected item.**
5. **Press and hold 🔍/⮌ to exit.**

To return to the previous setting item, press 🔍/⮌.

Default: **XX**

| | |
|---|---|
| **CHANNEL LOCK** | To unlock settings:<br>**1** Turn the volume knob to select a number.<br>**2** Press I◄◄ / ►►I to move to the entry position.<br>**3** Repeat steps **1** and **2** to enter the current pass code. (Initial pass code is 0000.)<br>**4** Press the volume knob to confirm. |
| **CODE SET** | **1** Turn the volume knob to select a number.<br>**2** Press I◄◄ / ►►I to move to the entry position.<br>**3** Repeat steps **1** and **2** to enter a new 4-digit pass code.<br>**4** Press the volume knob to confirm.<br>**5** Repeat steps **1** to **4** to reconfirm the pass code.<br>• Make a note of the new pass code to enter channel lock settings for next time. |
| **LOCK SETTING** | **MATURE CH**: Selects the SiriusXM-defined lock setting. ; **USER DEFINED**: Selects the individual channels the user wants to lock.. ; **OFF**: Cancels. |
| **CHANNEL EDIT***1 | **1** Turn the volume knob to select a category, then press the knob.<br>**2** Turn the volume knob to select a channel you want to lock, then press the knob.<br>"L" appears in front of the channel number.<br>**3** Press and hold 🔍/⮌ to exit. |
| **CHANNEL CLEAR***1 | **YES**: Clears all the locked channels. ; **NO**: Cancels. |

## SiriusXM® Radio

| | |
|---|---|
| **TUNE START**[*2] | **ON**: All qualified music channels in the SmartFavorite will start playback from the beginning of the song. ; **OFF**: Cancels. |
| **SIGNAL LEVEL** | **NO SIGNAL**/ **WEAK**/ **GOOD**/ **STRONG**: Shows the strength of the current received signal. |
| **BUFFER USAGE** | **0%** — **100%** (**0**): Shows the memory usage for Replay buffer. |
| **SXM RESET** | **YES**: Resets stored channel and lock setting to default. ; **NO**: Cancels. |

*1 Displayed only when [**USER DEFINED**] is selected.

*2 Available only if the connected SiriusXM Vehicle Tuner is SXV200 or later that supports SmartFavorites.

# AUDIO SETTINGS

While listening to any source...

1. **Press AUDIO to enter [AUDIO CONTROL] directly.**
2. **Turn the volume knob to select an item (see the following table), then press the knob.**
3. **Repeat step 2 until the desired item is selected or activated.**
4. **Press and hold 🔍/⮌ to exit.**

(or using RC-406)

1. **Press AUD to enter [AUDIO CONTROL].**
2. **Press ▲/▼ to select an item, then press ENT ▶II.**

To return to the previous setting item, press 🔍/⮌.

Default: **XX**

| | | |
|---|---|---|
| **SUB-W LEVEL** | **−15** to **+15** (**0**) | Adjusts the subwoofer output level. |
| **BASS LEVEL** | **−8** to **+8** (**+2**) | Adjusts the level to memorize for each source. (Before making an adjustment, select the source you want to adjust.) |
| **MID LEVEL** | **−8** to **+8** (**+1**) | |
| **TRE LEVEL** | **−8** to **+8** (**+1**) | |

**EQ PRO** (This setting is stored to [**USER**].)

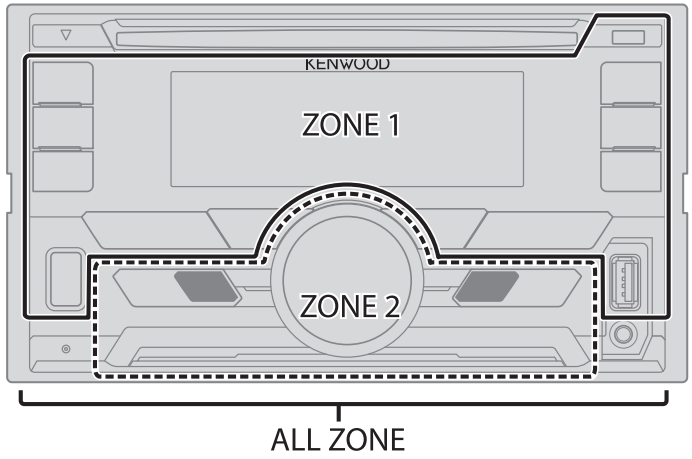
| | | |
|---|---|---|
| **BASS ADJUST** | **BASS CTR FRQ** | **60HZ**/ **80HZ**/ **100HZ**/ **200HZ**: Selects the center frequency. |
| | **BASS LEVEL** | **−8** to **+8** (**+2**): Adjusts the level. |
| | **BASS Q FACTOR** | **1.00**/ **1.25**/ **1.50**/ **2.00**: Adjusts the quality factor. |
| | **BASS EXTEND** | **ON**: Turns on the extended bass. ; **OFF**: Cancels. |
| **MID ADJUST** | **MID CTR FRQ** | **0.5KHZ**/ **1.0KHZ**/ **1.5KHZ**/ **2.5KHZ**: Selects the center frequency. |
| | **MID LEVEL** | **−8** to **+8** (**+1**): Adjusts the level. |
| | **MID Q FACTOR** | **0.75**/ **1.00**/ **1.25**: Adjusts the quality factor. |
| **TRE ADJUST** | **TRE CTR FRQ** | **10.0KHZ**/ **12.5KHZ**/ **15.0KHZ**/ **17.5KHZ**: Selects the center frequency. |
| | **TRE LEVEL** | **−8** to **+8** (**+1**): Adjusts the level. |

## AUDIO SETTINGS

| | |
|---|---|
| **PRESET EQ** | **DRIVE EQ**/ **TOP40**/ **POWERFUL**/ **ROCK**/ **POPS**/ **EASY**/ **JAZZ**/ **NATURAL**/ **USER**: Selects a preset equalizer suitable to the music genre. (Select [**USER**] to use the settings made in [**EQ PRO**].) [**DRIVE EQ**] is a preset equalizer that reduces noise outside the car or running noise of the tyres. |
| **BASS BOOST** | **LEVEL1**/ **LEVEL2**/ **LEVEL3**: Selects your preferred bass boost level. ; **OFF**: Cancels. |
| **LOUDNESS** | **LEVEL1**/ **LEVEL2**: Selects your preferred low and high frequencies boost to produce a well-balanced sound at a low volume level. ; **OFF**: Cancels. |
| **SUBWOOFER SET** | **ON**: Turns on the subwoofer output. ; **OFF**: Cancels. |
| **LPF SUBWOOFER** | **THROUGH**: All signals are sent to the subwoofer. ; **85HZ**/ **120HZ**/ **160HZ**: Audio signals with frequencies lower than 85 Hz/ 120 Hz/ 160 Hz are sent to the subwoofer. |
| **SUB-W PHASE** | **REVERSE** (180°)/ **NORMAL** (0°): Selects the phase of the subwoofer output to be in line with the speaker output for optimum performance. (Selectable only if a setting other than [**THROUGH**] is selected for [**LPF SUBWOOFER**].) |
| **FADER** | **R15** to **F15** (**0**): Adjusts the rear and front speaker output balance. |
| **BALANCE** | **L15** to **R15** (**0**): Adjusts the left and right speaker output balance. |
| **VOLUME OFFSET** | For AUX: **−8** to **+8** (**0**) ; For other sources: **−8** to **0**: Preset the initial volume level of each source. (Before adjustment, select the source you want to adjust.) |
| **SOUND RECNSTR** (Sound reconstruction) | **ON**: Creates realistic sound by compensating the high-frequency components and restoring the rise-time of the waveform that are lost in audio data compression. ; **OFF**: Cancels. |

- [**SUB-W LEVEL**]/ [**SUBWOOFER SET**]/ [**LPF SUBWOOFER**]/ [**SUB-W PHASE**] is selectable only if [**SWITCH PREOUT**] is set to [**SUBWOOFER**]. (➡ 4)
- [**SUB-W LEVEL**]/ [**LPF SUBWOOFER**]/ [**SUB-W PHASE**] is selectable only if [**SUBWOOFER SET**] is set to [**ON**].

# DISPLAY SETTINGS




### Set the dimmer

**Press and hold DISP (DIMMER) to turn on or off the dimmer.**

- If you have set [**DIMMER TIME**], it will be canceled once you press and hold this button.

### Other settings

1. **Press the volume knob to enter [FUNCTION].**
2. **Turn the volume knob to select [DISPLAY], then press the knob.**
3. **Turn the volume knob to select an item (➡ 17), then press the knob.**
4. **Repeat step 3 until the desired item is selected/activated or follow the instructions stated on the selected item.**
5. **Press and hold 🔍/⮌ to exit.**

To return to the previous setting item, press 🔍/⮌.

## DISPLAY SETTINGS

Default: **XX**

| | |
|---|---|
| **COLOR SELECT** | Select color for **ALL ZONE**, **ZONE 1** and **ZONE 2** separately.<br>**1** Select a zone. (➡ **16**)<br>**2** Select a color for the selected zone.<br>**VARIABLE SCAN**/ **CUSTOM R/G/B**/ preset colors*<br>To make your own color, select [**CUSTOM R/G/B**]. The color you have made will be stored in [**CUSTOM R/G/B**].<br>**1** Press the volume knob to enter the detailed color adjustment.<br>**2** Press ⏮ / ⏭ to select the color (**R**/ **G**/ **B**) to adjust.<br>**3** Turn the volume knob to adjust the level (**0** — **9**), then press the knob. |
| **DIMMER** | Dim the display illumination and button illumination.<br>**ON**: Dimmer is turned on. ; **OFF**: Cancels.<br>**DIMMER TIME**: Set the dimmer on and off time.<br>**1** Turn the volume knob to adjust the [**ON**] time, then press the knob.<br>**2** Turn the volume knob to adjust the [**OFF**] time, then press the knob.<br>(Default: [**ON**]: **6:00 PM**; [**OFF**]: **6:00 AM**) |
| **BRIGHTNESS** | **1** Select a zone. (➡ **16**)<br>**2** **0** — **31**: Select your preferred brightness level for display and button illumination. |
| **TEXT SCROLL** | **AUTO**/ **ONCE**: Select whether to scroll the display information automatically, or scroll only once. ; **OFF**: Cancels. |

* Preset colors: **RED1**/ **RED2**/ **RED3**/ **PURPLE1**/ **PURPLE2**/ **PURPLE3**/ **PURPLE4**/ **BLUE1**/ **BLUE2**/ **BLUE3**/ **SKYBLUE1**/ **SKYBLUE2**/ **LIGHTBLUE**/ **AQUA1**/ **AQUA2**/ **GREEN1**/ **GREEN2**/ **GREEN3**/ **YELLOWGREEN1**/ **YELLOWGREEN2**/ **YELLOW**/ **ORANGE1**/ **ORANGE2**/ **ORANGERED**

# TROUBLESHOOTING

| | Symptom | Remedy |
|---|---|---|
| General | Sound cannot be heard. | • Adjust the volume to the optimum level.<br>• Check the cords and connections. |
| | "MISWIRING CHECK WIRING THEN PWR ON" appears. | Turn the power off, then check to be sure the terminals of the speaker wires are insulated properly. Turn the power on again. |
| | "PROTECTING SEND SERVICE" appears. | Send the unit to the nearest service center. |
| | The unit does not work at all. | Reset the unit. (➡ **3**) |
| Radio | • Radio reception is poor.<br>• Static noise while listening to the radio. | Connect the antenna firmly. |
| CD / USB / iPod | Disc cannot be ejected. | Press and hold ⏏ to forcibly eject the disc. Be careful not to drop the disc when it is ejected. If this does not solve the problem, reset the unit. (➡ **3**) |
| | Noise is generated. | Skip to another track or change the disc. |
| | Tracks do not play back as you intended them to play. | Playback order is determined when files are recorded. |
| | "READING" keeps flashing. | Do not use too many hierarchical levels or folders. |
| | Elapsed playing time is not correct. | This is caused by how the tracks are recorded. |
| | Correct characters are not displayed (e.g. album name). | • This unit can only display uppercase letters, numbers, and a limited number of symbols.<br>• Depending on the display language you have selected (➡ **5**), some characters may not be displayed correctly. |

# TROUBLESHOOTING

| | Symptom | Remedy |
|---|---|---|
| CD / USB / iPod | "NA FILE" | Make sure the disc contains supported audio files. (➡ **20**) |
| | "NO DISC" | Insert a playable disc into the loading slot. |
| | "TOC ERROR" | Make sure the disc is clean and inserted properly. |
| | "PLEASE EJECT" | Reset the unit. If this does not solve the problem, consult your nearest service center. |
| | "READ ERROR" | Copy the files and folders onto the USB device again. If this does not solve the problem, reset the USB device or use another USB device. |
| | "NO DEVICE" | Connect a USB device, and change the source to USB again. |
| | "COPY PRO" | A copy-protected file is played. |
| | "NA DEVICE" | Connect a supported USB device, and check the connections. |
| | "NO MUSIC" | Connect a USB device that contains playable audio files. |
| | "iPod ERROR" | • Reconnect the iPod.<br>• Reset the iPod. |
| ANDROID | • Sound cannot be heard during playback.<br>• Sound output only from the Android device. | • Reconnect the Android device.<br>• If in [**HAND MODE**], launch any media player application on the Android device and start playback.<br>• If in [**HAND MODE**], relaunch the current media player application or use another media player application.<br>• Restart the Android device.<br>• If this does not solve the problem, the connected Android device is unable to route the audio signal to unit. (➡ **20**) |
| | Cannot playback at [**BROWSE MODE**]. | • Make sure KENWOOD MUSIC PLAY APP is installed on the Android device. (➡ **7**)<br>• Reconnect the Android device and select the appropriate control mode.<br>• If this does not solve the problem, the connected Android device does not support [**BROWSE MODE**]. (➡ **20**) |

| | Symptom | Remedy |
|---|---|---|
| ANDROID | "NO DEVICE" or "READING" keeps flashing. | • Switch off the developer options on the Android device.<br>• Reconnect the Android device.<br>• If this does not solve the problem, the connected Android device does not support [**BROWSE MODE**]. (➡ **20**) |
| | Playback is intermittent or sound skips. | Turn off the power saving mode on the Android device. |
| | "ANDROID ERROR" / "NA DEVICE" | • Reconnect the Android device.<br>• Restart the Android device. |
| Pandora | "ADD ERROR" | New station creation is unsuccessful. |
| | "CHECK DEVICE" | Check the Pandora application on your device. |
| | "NO SKIPS" | The skip limit has been reached. |
| | "NO STATIONS" | No stations are found. |
| | "STATION LIMIT" | The number of registered stations has reached its limit. Retry after deleting unnecessary stations from your device. |
| | "CONNECT ERROR" | Communication is unstable. |
| | "RATING ERROR" | Registration of thumbs up/thumbs down has failed due to insufficient network connectivity. |
| | "THUMBS N/A" | Registration of thumbs up/thumbs down is not allowed. |
| | "LICENSE ERROR" | You try to access from a country which Pandora is not deliverable. |
| iHeartRadio | iHeartRadio station cannot be selected. | If "Explicit Content" in [Account Settings] is checked in the web version of iHeartRADIO, custom stations become unavailable. |
| | "CANNOT CREATE" | Custom station name creation is unsuccessful. |
| | "CANNOT SAVE" | Addition to the favorite category failed. |
| | "DISCONNECTED" | Check the connection to the device. |
| | "NO SKIPS" | The skip limit has been reached. Retry later. |

# TROUBLESHOOTING

| | Symptom | Remedy |
|---|---|---|
| iHeartRadio | "NO STATIONS" | No stations are found. |
| | "NOT CONNECTED" | Link to the application is impossible. |
| | "IHEARTLINK UP" | Make sure you have installed the latest version of the iHeart Link for KENWOOD application on your device. |
| | "PLEASE LOGIN" | You haven't log in. Log in again. |
| | "STATION NOT AVAILABLE" | Broadcast from the station is over. |
| | "STATION NOT SELECTED" | No station is selected. |
| | "STREAM ERROR" | Broadcast data is interrupted. |
| | "THUMB FAILED" | Registration of Thumbs Up/Down has failed. |
| | "TIMED OUT" | The request has resulted in time-out. |
| SiriusXM® Radio | "CH LOCKED LOCK CODE?" | The selected channel is locked. Enter the correct pass code to unlock. (➡ **14**) |
| | "CHAN UNSUB" | The selected channel is unsubscribed. Call 1-866-635-2349 in the U.S.A. or 1-877-438-9677 in Canada to subscribe. (➡ **12**) |
| | "CH UNAVAIL" | The selected channel is unavailable. Visit www.siriusxm.com for more information about the SiriusXM channel lineup. |
| | "CHECK ANTENNA" | Check that the antenna and its connection are in good condition. |
| | "CHECK TUNER" | Make sure the SiriusXM Vehicle Tuner is connected to the unit. |
| | "NO SIGNAL" | Make sure the antenna is mounted outside the vehicle. |
| | "SUBSCRIPTION UPDATED – PRESS ENTER TO CONTINUE." | Your subscription is updated. Press the volume knob to continue. |
| SiriusXM® Radio | "CODE ERROR" | Make sure you have entered the correct pass code. (➡ **14**) |
| | "NO CONTENT" | There is insufficient content to start TuneScan. |
| | "SCAN CANCEL" | TuneScan has been aborted. |

**Muting upon the reception of a phone call**

Connect the MUTE wire to your telephone using a commercial telephone accessory. (➡ **23**)

**When a call comes in, "CALL" appears.** (The audio system pauses.)

- To continue listening to the audio system during a call, press ⏻ **SRC**. "CALL" disappears and the audio system resumes.

**When the call ends, "CALL" disappears.** (The audio system resumes.)

# REFERENCES

## Maintenance

### Cleaning the unit

Wipe off dirt on the faceplate with a dry silicone or soft cloth.

### 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 outward.
- Clean the disc with a dry silicone or soft cloth. Do not use any solvents.
- When removing discs from this unit, pull them out horizontally.
- Remove burrs from the center hole and disc edge before inserting a disc.

## More information

**Visit also the following website <www.kenwood.com/cs/ce/> for:**

– Latest firmware updates and latest compatible item list
– Android™ application KENWOOD MUSIC PLAY
– Any other latest information

### General

- This unit can only play the following CDs:

- Detailed information and notes about the playable audio files are stated in an online manual on the following website: www.kenwood.com/cs/ce/audiofile/

### Playable files

- Playable audio file: MP3 (.mp3), WMA (.wma)
- Playable disc media: CD-R/CD-RW/CD-ROM
- Playable disc file format: ISO 9660 Level 1/2, Joliet, Long file name.
- Playable USB device file system: FAT12, FAT16, FAT32

Even when audio files comply with the standards listed above, playback may be impossible depending on the types or conditions of media or device.

### Unplayable discs

- Discs that are not round.
- Discs with coloring on the recording surface or discs that are dirty.
- Recordable/ReWritable discs that have not been finalized.
- 8 cm CD. Attempting to insert using an adapter may cause malfunction.

### About USB devices

- This unit can play MP3/WMA/WAV/FLAC files stored on a USB mass storage class device.
- You cannot connect a USB device via a USB hub.
- Connecting a cable whose total length is longer than 5 m may result in abnormal playback.
- This unit cannot recognize a USB device whose rating is other than 5 V and exceeds 1 A.

### About iPod/iPhone

Made for

- iPod touch (2nd, 3rd, 4th, and 5th generation)
- iPod classic
- iPod nano (3rd, 4th, 5th, 6th, and 7th generation)
- iPhone 3G, 3GS, 4, 4S, 5, 5S, 5C, 6, 6 Plus

- You cannot operate iPod if "KENWOOD" or "✔" is displayed on iPod.
- Depending on the version of the operating system of the iPod/iPhone, some functions may not operate on this unit.

### About Android device

- This unit supports Android OS 4.1 and above.
- Some Android devices (with OS 4.1 and above) may not fully support Android Open Accessory (AOA) 2.0.
- If the Android device supports both mass storage class device and AOA 2.0, this unit always playback via AOA 2.0 as priority.

# REFERENCES

### About Pandora

- Pandora is only available in certain countries. Please visit <http://www.pandora.com/legal> for more information.
- 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.
- For issues using the application, please contact Pandora at pandora-support@pandora.com.

### About iHeartRadio

- iHeartRadio® is a third-party service, therefore 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 iHeartRadio® functionality cannot be operated from this unit.

### Change the display information

Each time you press **DISP**, the display information changes.

- If the information is unavailable or not recorded, "NO TEXT", "NO INFO", or other information (eg. station name, playing time) appears.

| Source name | Display information |
|---|---|
| STANDBY | Source name (Date/Clock) ➡ (*) ➡ (back to the beginning) |
| TUNER | Frequency (Date/Clock) ➡ (*) ➡ (back to the beginning) |
| | **(For FM Radio Broadcast Data System stations only)**<br>Station name (Date/Clock) ➡ (*) ➡ Radio text (Date/Clock) ➡ Radio text+ (R.TEXT+) ➡ Title (Artist) ➡ Title (Date/Clock) ➡ Frequency (Date/Clock) ➡ (back to the beginning) |
| CD or USB | **(For CD-DA)**<br>Track title (Artist) ➡ (*) ➡ Track title (Disc name) ➡ Track title (Date/Clock) ➡ Playing time (Date/Clock) ➡ (back to the beginning) |
| | **(For MP3/WMA/WAV/FLAC files)**<br>Track title (Artist) ➡ (*) ➡ Track title (Album title) ➡ Track title (Date/Clock) ➡ File name (Folder name) ➡ File name (Date/Clock) ➡ Playing time (Date/Clock) ➡ (back to the beginning) |
| IPOD or ANDROID | Track title (Artist) ➡ (*) ➡ Track title (Album name) ➡ Track title (Date/Clock) ➡ Playing time (Date/Clock) ➡ (back to the beginning) |
| PANDORA | Station name (Date/Clock) ➡ (*) ➡ Shared / Radio station (Date/Clock) ➡ Track title (Artist) ➡ Track title (Album title) ➡ Track title (Date/Clock) ➡ Playing time (Date/Clock) ➡ (back to the beginning) |
| IHEARTRADIO | Station name (Date/Clock) ➡ (*) ➡ Track title (Artist) ➡ Track title (Date/Clock) ➡ (back to the beginning) |
| SIRIUS XM | Channel number (Status) ➡ (*) ➡ Channel name (Status) ➡ Artist name (Status) ➡ Song title (Status) ➡ Content information (Status) ➡ Category name (Status) ➡ Clock (Status) ➡ (back to the beginning) |
| AUX | Source name (Date/Clock) ➡ (*) ➡ (back to the beginning) |

* Turn off the display information.

### ⚠ Warning

- The unit can only be used with a 12 V DC power supply, negative ground.
- Disconnect the battery's negative terminal before wiring and mounting.
- Do not connect Battery wire (yellow) and Ignition wire (red) to the car chassis or Ground wire (black) to prevent a short circuit.
- Insulate unconnected wires with vinyl tape to prevent a short circuit.
- Be sure to ground this unit to the car's chassis again after installation.

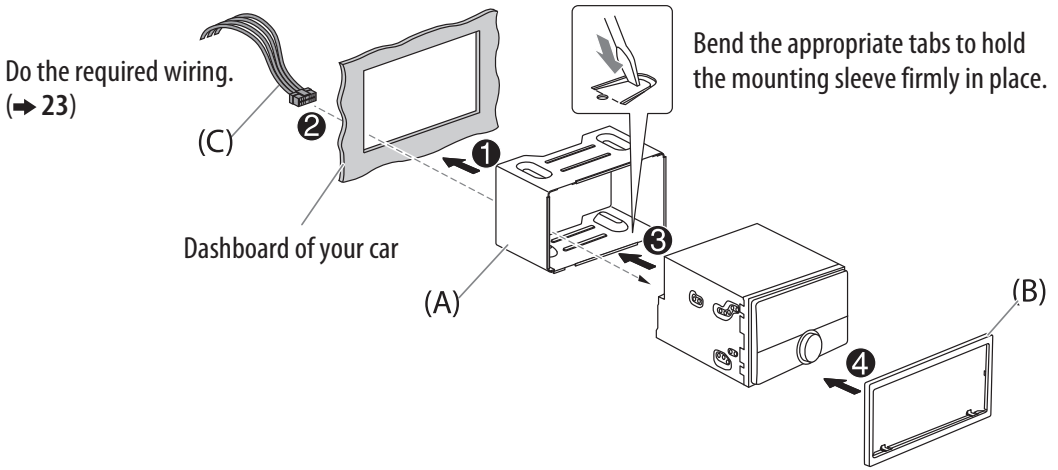
### ⚠ Caution

- For safety's sake, leave wiring and mounting to professionals. Consult the car audio dealer.
- Install this unit in the console of your vehicle. Do not touch the metal parts of this unit during and shortly after use of the unit. Metal parts such as the heat sink and enclosure become hot.
- Do not connect the ⊖ wires of speakers to the car chassis or Ground wire (black), or connect them in parallel.
- Mount the unit at an angle of less than 30°.
- If your vehicle wiring harness does not have the ignition terminal, connect Ignition wire (red) to the terminal on the vehicle's fuse box which provides 12 V DC power supply and is turned on and off by the ignition key.
- Keep all cables away from heat dissipate metal parts.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- If the fuse blows, first make sure the wires are not touching car's chassis, then replace the old fuse with one that has the same rating.

### Basic procedure

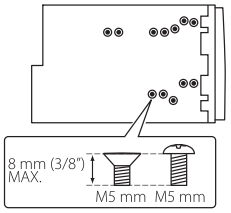
1. **Remove the key from the ignition switch, then disconnect the ⊖ terminal of the car battery.**
2. **Connect the wires properly.**
   See Wiring connection. (➡ 23)
3. **Install the unit to your car.**
   See Installing the unit (in-dash mounting).
4. **Connect the ⊖ terminal of the car battery.**
5. **Reset the unit. (➡ 3)**

### Installing the unit (in-dash mounting)




### When installing without the mounting sleeve

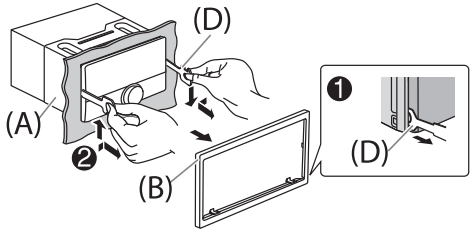
1. **Remove the mounting sleeve and trim plate from the unit.**
2. **Align the holes in the unit (on both sides) with the vehicle mounting bracket and secure the unit with screws (commercially available).**



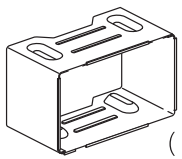

⚠ Use only the specified screws.
Using wrong screws might damage the unit.

### How to remove the unit

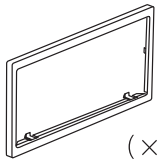
**Insert the extraction keys deeply into the slots on each side, then follow the arrows as shown on below.**



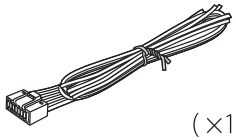

### Part list for installation


(×1)

**(A)** Mounting sleeve


(×1)

**(B)** Trim plate


(×1)

**(C)** Wiring harness

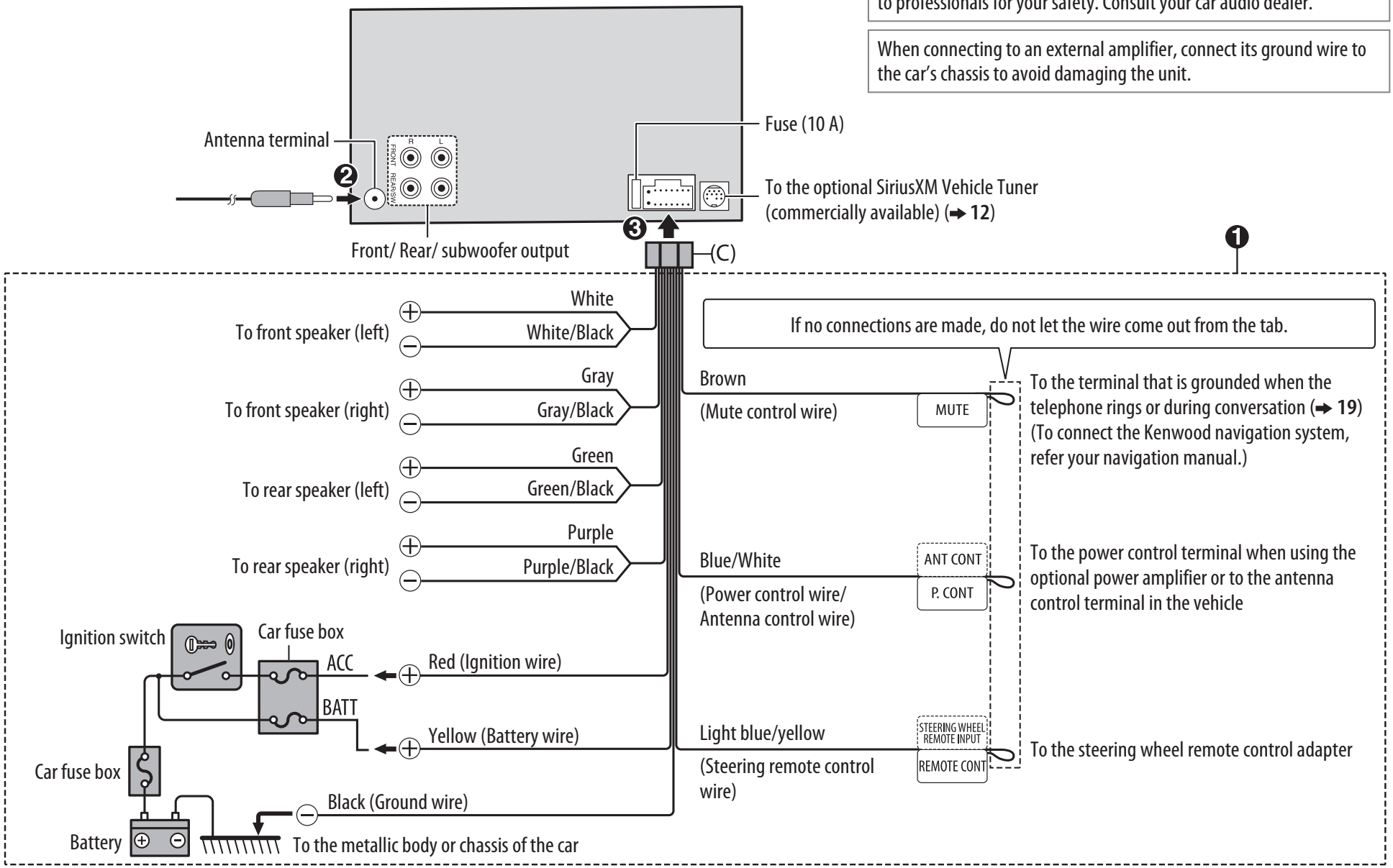
(×2)

**(D)** Extraction key

## Wiring connection

**IMPORTANT :** We recommend installing the unit with a commercially available custom wiring harness specific for your car and leave this job to professionals for your safety. Consult your car audio dealer.

When connecting to an external amplifier, connect its ground wire to the car's chassis to avoid damaging the unit.



# SPECIFICATIONS

Subject to change without notice.

| | | | |
|---|---|---|---|
| Tuner | FM | Frequency Range | 87.9 MHz — 107.9 MHz (200 kHz space) |
| | | Usable Sensitivity (S/N = 26 dB) | 8.2 dBf (0.71 µV/75 Ω) |
| | | Quieting Sensitivity (S/N = 46 dB) | 17.2 dBf (2.0 µV/75 Ω) |
| | | Frequency Response (±3 dB) | 30 Hz — 15 kHz |
| | | Signal-to-Noise Ratio (MONO) | 64 dB |
| | | Stereo Separation (1 kHz) | 40 dB |
| | AM | Frequency Range | 530 kHz — 1 700 kHz (10 kHz space) |
| | | Usable Sensitivity (S/N = 20 dB) | 29 dBµ (28.2 µV) |

| | | |
|---|---|---|
| CD player | Laser Diode | GaAlAs |
| | Digital Filter (D/A) | 8 times over sampling |
| | Spindle Speed | 500 rpm — 200 rpm (CLV) |
| | Wow & Flutter | Below measurable limit |
| | Frequency Response (±1 dB) | 20 Hz — 20 kHz |
| | Total Harmonic Distortion (1 kHz) | 0.01 % |
| | Signal-to-Noise Ratio (1 kHz) | 105 dB |
| | Dynamic Range | 90 dB |
| | Channel Separation | 85 dB |
| | MP3 Decode | Compliant with MPEG-1/2 Audio Layer-3 |
| | WMA Decode | Compliant with Windows Media Audio |

| | | |
|---|---|---|
| USB | USB Standard | USB 1.1, USB 2.0 Full Speed |
| | File System | FAT12/ 16/ 32 |
| | Maximum Supply Current | DC 5 V ⎓ 1 A |
| | MP3 Decode | Compliant with MPEG-1/2 Audio Layer-3 |
| | WMA Decode | Compliant with Windows Media Audio |
| | WAV Decode | Linear-PCM |
| | FLAC Decode | FLAC file (Up to 48 kHz / 16 bit) |

| | | | |
|---|---|---|---|
| Audio | Maximum Output Power | 50 W × 4 | |
| | Full Bandwidth Power | 22 W × 4 (at less than 1 % THD) | |
| | Speaker Impedance | 4 Ω — 8 Ω | |
| | Tone Action | Bass | 100 Hz ±8 dB |
| | | Middle | 1.0 kHz ±8 dB |
| | | Treble | 12.5 kHz ±8 dB |
| | Preout Level/Load (CD) | 2 500 mV/10 kΩ | |
| | Preout Impedance | ≤ 600 Ω | |

| | | |
|---|---|---|
| Auxiliary | Frequency Response (±3 dB) | 20 Hz — 20 kHz |
| | Input Maximum Voltage | 1 000 mV |
| | Input Impedance | 30 kΩ |

| | | |
|---|---|---|
| General | Operating Voltage | 14.4 V (10.5 V — 16 V allowable) |
| | Maximum Current Consumption | 10 A |
| | Operational Temperature Range | −10°C — +60°C |
| | Installation Size (W × H × D) | 182 mm × 111 mm × 158 mm (7-3/16" × 4-3/8" × 6-1/4") |
| | Weight | 1.6 kg (3.6 lbs) |

**CAUTION**

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 : Top Plate

**FCC WARNING**

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

**FCC NOTE**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment may cause harmful interference to radio communications, if it is not installed and used in accordance with the instructions. 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.

**Información acerca de la eliminación de equipos eléctricos y electrónicos al final de la vida útil (aplicable a los países que hayan adoptado sistemas independientes de recogida de residuos)**

Los productos con el símbolo de un contenedor con ruedas tachado no podrán ser desechados como residuos domésticos. Los equipos eléctricos y electrónicos al final de la vida útil, deberán ser reciclados en instalaciones que puedan dar el tratamiento adecuado a estos productos y a sus subproductos residuales correspondientes. Póngase en contacto con su administración local para obtener información sobre el punto de recogida más cercano. Un tratamiento correcto del reciclaje y la eliminación de residuos ayuda a conservar los recursos y evita al mismo tiempo efectos perjudiciales en la salud y el medio ambiente.

- "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.
- Lightning is a trademark of Apple Inc.
- Pandora, the Pandora logo, and the Pandora trade dress are trademarks or registered trademarks of Pandora Media, Inc., used with permission.
- iHeartRadio® and iHeartAuto™ are trademarks owned by iHeartMedia, Inc. All uses are authorized under license.
- Sirius, XM and all related marks and logos are trademarks of Sirius XM Radio Inc. All rights reserved.
- Android is trademark of Google Inc.

**libFLAC**

Copyright (C) 2000,2001,2002,2003,2004,2005,2006,2007,2008, 2009 Josh Coalson
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THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND ONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

**Informação sobre a eliminação de pilhas**

Este produto não deve ser eliminado como lixo doméstico geral. Devolva a pilha usada ao revendedor ou entidade autorizada para que a mesma seja devolvida ao fabricante ou importador.
A reciclagem e a eliminação de lixo de maneira apropriada ajudarão a conservar os recursos naturais ao mesmo tempo que prevenirão os efeitos prejudicais à nossa saúde e ao meio ambiente.

**CALIFORNIA, USA ONLY**

This product contains a CR Coin Cell Lithium Battery which contains Perchlorate Material—special handling may apply.
See www.dtsc.ca.gov/hazardouswaste/perchlorate

## MILITARY

Units purchased through the U.S.A. military exchange service overseas may be serviced under warranty in the continental U.S.A., subject to the following conditions.
1) The original warranty is in effect.
2) Proof of purchase is provided to the servicer.

### WARRANTY FOR MILITARY MARKET

Kenwood corporation is proud of the quality and workmanship of its audio equipment. This unit has been properly designed, tested and inspected before it was shipped to you. If properly installed and operated in accordance with instructions furnished, it should give you an optimum reliable performance.

### WARRANTY PERIOD

This product is warranted for a period of (1) year from the date of the original purchase.

### SCOPE OF WARRANTY

Except as specified below, this warranty covers all defects in materials and workmanship of the Kenwood brand products.

During the warranty period, any authorized Kenwood Service Center in the military market listed in the back of this warranty card will provide you free-of-charge both parts and labor required to correct any defect in materials or workmanship.

The following are not covered by this warranty.
1. Voltage conversions.
2. Periodic check-ups which do not disclose any defect covered by the warranty.
3. Cabinets, grilles, other exterior finishes, belts, tape heads, and other non-durable parts and accessories.
4. Units on which the serial number has been effaced, modified or removed.
5. Installation and/or removal charges.
6. Damaged magnetic tapes.
7. House call charges for any repairs.
8. Shipping or delivery charges to or from an authorized Kenwood Service Center.
9. This warranty will not cover any failure that is due to any of the following conditions in accordance with the visual inspection of the authorized Kenwood Service Center:

* Improper maintenance or repair, including the installation of parts or accessories that do not conform to the quality and specifications of the original parts.
* Misuse, abuse, neglect, unauthorized product modification or failure to follow instructions contained in the Owner's Manual.
* Accidental or intentional damages.
* Repairs or attempted repairs by an unauthorized agency. (All repairs must be performed at an authorized Kenwood Service Center.)
* Damages or deteriorations caused during shipment (Claims must be presented to the carrier).
* Damages or deteriorations resulting from removal and/or replacement.

### PURCHASER'S RESPONSIBILITIES

As the purchased of a new Kenwood brand product, you are requested to do the following in order to obtain Kenwood warranty service.
1. Retain your sales slip or other evidence of purchase for proving your eligibility for requesting Kenwood warranty service.
2. Make your unit available to an authorized Kenwood Service Center in the military market for inspection and approved warranty service, or ship your unit in its original carton box or equivalent, fully insured and shipping charges prepaid, to the authorized Kenwood Service Center.

### LIMITATION OF IMPLIED WARRANTIES

Any and all implied warranties, including warranties of merchantability and fitness for a particular purpose, shall be limited in duration to the length of this warranty.

### EXCLUSION OF CERTAIN DAMAGES

KENWOOD's liability for any defective product is limited to the repair or replacement of said product, at our potion, and shall not include damages of any kind, whether incidental, consequential or otherwise, expect to the extent prohibited by applicable law.

### KENWOOD AUTHORIZED SERVICE CENTERS IN MILITARY MARKET

**JAPAN:**
**Yokota**
Kenwood Rep,; c/o
Yokota BX, JAAX AAFES-PAC,
APO San Francisco 96328

**Zama**
Kenwood Rep,; c/o
Zama PX, JAAX AAFES-PAC,
APO San Francisco 96343

**Misawa**
Kenwood Rep,; c/o
Misawa BX, JAAX AAFES-PAC,
APO San Francisco 96519

**Yokosuka**
Kenwood Rep,; c/o
A-33, Yokosuka NEX No. 260-010
FPO Seattle 98760

**Atsugi**
Kenwood Rep,; c/o
Atsugi NEX No. 260-020 FPO Seattle 98767

**Iwakuni**
Kenwood Rep,; c/o
Marine Corps Exchange, Marine Corps Air Station,
FPO Seattle 98764

**Sasebo**
Sasebo NEX;
Navy Exchange 260-040
F.A. Box 115 FPO Seattle 98766

**Okinawa**
Kenwood Rep,; c/o
OWAX, AAFES-PAC, APO San Francisco 96230

**KOREA:**
Kenwood Rep,; c/o
KOAX Repair Shop, AAFES-PAC
DD-Camp Market, APO San Francisco 96488

**GUAM:**
Kenwood Rep,; c/o
Guam NEX No. 230-010,
FPO San Francisco 96630
Kenwood Rep,; c/o
GUAX, AAFES-PAC, APO San Francisco 96334

**U.S.A.:**
**In The Continental U.S.A.**
For Nearest Authorized Service Center;
Tel: 1-800-536-9663
www.us.jvckenwood.com

**EUROPE:**
Please inquire at the military resale outlets where you bought your Kenwood products, or
JVCKENWOOD DEUTSCHLAND GMBH:
Konrad-Adenauer Allee 1-11, 61118 Bad Vilbel, Germany

Dear Customer,

Thank you for purchasing this kenwood product. As mentioned in the pages of this booklet, our warranty is only valid in the countries listed. If your country is not listed please contact your retailer for information on warranty procedure, or write to:

**JVC KENWOOD Customer Information Center**
3-12, Moriyacho, Kanagawa-ku, Yokohama-shi, Kanagawa 221-0022, Japan

KENWOOD

# Warranty Card

Identification du produit
Modelo do aparelho e numero de série
Model number & serial number

Revendeur & cachet
Nome da loja e carimbo
Dealer & stamp

Date d'achtat
Data da compra
Purchase date

Nom & adresse du client
Nome e endereço do cliente
Name & address of customer

**Attention:**
This card and receipt (or invoice) are necessary to purchase a new panel in case of theft or damage.

**Attention:**
Vous aurez besoin de cette carte et du reçu (ou de la facture) pour acheter un nouveau panneau en cas de vol ou d'endommagement.

**Atenção:**
Em caso de dano ou perda do painel frontal, este Certificado de Garantia e a Nota Fiscal de compra serão requisitados para a aquisição de um novo painel.

© B46-0824-00/03 (K) (15/03)

## U.S.A. — JVCKENWOOD USA Corporation

This warranty will be honored only in the U.S.A.

### KENWOOD LIMITED WARRANTY FOR CAR STEREO COMPONENTS

### HOW LONG IS THE WARRANTY

Kenwood U.S.A. Corporation ("Kenwood") warrants this product for a period of one (1) year from the date of original purchase.

### WHAT IS COVERED AND WHAT IS NOT COVERED

Except as specified below, this warranty covers all defects in material and workmanship in Kenwood car stereo components. The following are not covered by the warranty:

1. Any product which is not distributed in the U.S.A. by Kenwood or which is not purchased in the U.S.A. from an authorized Kenwood car stereo dealer or an automobile dealer, unless the product is purchased through the U.S.A Military Exchange Service.
2. Any product on which the serial number has been defaced, modified or removed.
3. Damage, deterioration or malfunction resulting from:
   a. Any shipment of the product (claims must be presented to the carrier).
   b. Installation or removal of the product.
   c. Accident, acts of nature, misuse, abuse, neglect, unauthorized product modification or failure to follow instructions supplied with the product.
   d. Repair or attempted repair by anyone not authorized by Kenwood.
   e. Any other cause which does not relate to a product defect.

### WHO IS PROTECTED

This warranty is enforceable only by the original purchaser.

### WHAT WE WILL PAY FOR

We will pay for all labor and material expenses for covered items. Payment of shipping charges is discussed in the next section of this warranty.

### HOW TO OBTAIN WARRANTY SERVICE

If your KENWOOD product ever needs service:

1. Take or ship it to any KENWOOD Authorized Service Center in the U.S.A. along with & complete description of the problem. (if you are uncertain as to whether a Service Center is authorized, please call **1-800-KENWOOD** for the nearest Service Center. **1-800-536-9663**).
2. Although you must pay any shipping charges if it is necessary to ship the product for warranty service, we will pay the return shipping charges if the repairs are covered by the warranty within the United States.
3. Whenever your units are taken or sent for warranty service, you must include a copy of the original dated sales receipt as proof of warranty coverage.

### LIMITATION OF IMPLIED WARRANTIES

ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE LENGTH OF THIS WARRANTY.

### EXCLUSION OF DAMAGES

KENWOOD'S LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE PRODUCT AT OUR OPTION. KENWOOD SHALL NOT BE LIABLE FOR:

1. INSTALLATION OR REMOVAL CHARGES, DAMAGE TO OTHER PROPERTY CAUSED BY ANY DEFECTS IN KENWOOD CAR STEREO COMPONENTS, DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT; OR
2. ANY OTHER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS AND/OR DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

If a problem develops during or after the Limited Warranty Period, or if you have any questions regarding the operation of the product, you should contact your KENWOOD Authorized Dealer or Authorized Service Center. If the problem or your question is not handled to your satisfaction, please contact our Customer Relations Department at the address listed below:

**JVCKENWOOD USA Corporation**
**PO Box 22745, 2201 E. Dominguez St.**
**Long Beach, CA 90810-5745**
**Tel: (800) 536-9663**
**www.us.jvckenwood.com**

## BRASIL — JVC KENWOOD DO BRASIL COMÉRCIO DE ELETRÔNICOS LTDA

O fabricante garante o produto identificado na Nota Fiscal de venda ao consumidor contra qualquer defeito de fabricação ou de matéria-prima durante o período de garantia. Esta garantia é válida no território brasileiro desde que o produto tenha sido adquirido no Brasil e distribuído pela JVC KENWOOD do Brasil Comércio de Eletrônicos Ltda.

### PERÍODO DE GARANTIA

Este produto é garantido pelo prazo de 01 (um) ano, incluindo o período estabelecido por lei, a partir da data de aquisição, comprovada mediante a apresentação da respectiva Nota Fiscal de venda ao consumidor final.
Eventuais reparos realizados no produto durante o período de garantia não implicam na dilatação do seu prazo.

### EXCLUSÃO DA GARANTIA

(a) Produtos com o número de série ou certificado de garantia rasurados, adulterados ou ilegíveis;
(b) Defeitos resultantes de acidentes (quedas, batidas e etc), uso em desacordo com o manual de instruções, má utilização, ligação à fonte de tensão diferente da especificada no Manual de Instruções, modificações não autorizadas;
(c) Danos causados por agentes da natureza (Ex: chuvas, raios, maresia, enchentes e etc);
(d) Defeitos ou danos em decorrência de consertos realizados por pessoas não autorizadas;
(e) Defeitos ou danos resultantes do uso de peças ou dispositivos não conformes às especificações da JVC KENWOOD;
(f) Danos ou deteriorações aos acabamentos externos, partes cosméticas, cabos, chicotes, parafusos de fixação, luvas, alças, bolsas, estojos, adaptadores, antenas, fitas, cabeças gravadoras, CDs ou danos causados por pilhas defeituosas ou com vazamento;
(g) Defeitos ou danos devido ao transporte (reclamações devem ser feitas junto à empresa transportadora);
(h) Qualquer outra causa que não esteja relacionada a defeitos de matéria-prima e de fabricação;
(i) Danos causados por tentativa de roubo ou furto;
(j) Danos causados por uso de CDs de má qualidade;
(k) Danos decorrentes do desgaste natural do produto;
(l) Danos causados por mau uso. (derramamento de líquidos e/ou alimentos, corrosão, oxidação, exposição à umidade ou situações climáticas extremas, riscos ou quedas).

### CONSERTO EM GARANTIA

É indispensável a apresentação deste Certificado de Garantia devidamente preenchido, acompanhado da respectiva Nota Fiscal de compra do produto, desde que não apresente rasuras ou modificações.
O consumidor somente terá direito a estes benefícios, quando o produto for entregue diretamente no balcão de um Serviço Autorizado da JVC KENWOOD.

### O QUE NÃO É COBERTO PELA GARANTIA

Instalação e remoção do produto, despesas de frete, seguro e embalagem são de responsabilidade do proprietário.

Este produto é destinado exclusivamente ao uso doméstico.

### IMPORTANTE:

Para qualquer informação sobre seu equipamento JVC KENWOOD, ou para obter o endereço do Serviço Autorizado mais próximo, acesse o site www.kenwood.com.br , ou ligue para a Central de Atendimento JVC KENWOOD – Tel.: +55 (11) 3777-6771 com os dados abaixo preenchidos.

**JVC KENWOOD DO BRASIL COMÉRCIO DE ELETRÔNICOS LTDA**
**Tel: (11) 3777-6771**
**www.kenwood.com.br**

Nome do consumidor: _____

Endereço: _____ CEP: _____

Cidade: _____ Estado: _____

Telefone: _____

Data da compra: _____ / _____ / _____ Nota Fiscal: _____

## CANADA — JVCKENWOOD CANADA INC.

### KENWOOD WARRANTY

KENWOOD ELECTRONICS CANADA INC. (hereinafter called "KENWOOD"), gives the following written warranty to the original customer of each new Kenwood product distributed in Canada by KENWOOD and purchased from a dealer authorized by KENWOOD.

KENWOOD warrants that each new Kenwood product, under normal use, is free from any defects, subject to the terms and conditions set forth below. If a defect should occur within the warranty period, repairs will be made free of charge for parts and labour when such defects are determined by KENWOOD or its' authorized service centres to be attributable to faulty materials or workmanship at time of manufacture. Please contact KENWOOD to confirm if a dealer or service centre is authorized by KENWOOD.

### WARRANTY PERIOD

This Kenwood product is warranted for parts and labour for a period of one (1) year from the date of original purchase, lease or rental, except for products which are used in a professional or commercial application, which are warranted for a period of ninety (90) days for parts and labour and are subject to the terms and conditions of the warranty.

### WARRANTY EXCLUSIONS

This warranty excludes:

(a) Products purchased in a foreign country or purchased in Canada and taken to a foreign country.
(b) Products purchased from a dealer not authorized by KENWOOD.
(c) Products with the serial number defaced, altered or missing.
(d) Periodic check-ups which do not disclose any defects covered by this warranty.
(e) Defects resulting from disaster, accident, abuse, misuse, lightning, power surges, neglect or lack of periodic maintenance, unauthorized modification or failure to follow instructions in the owner's manual.
(f) Defects or damage as a result of repairs performed by a person or party not authorized by KENWOOD.
(g) Defects resulting from the use of parts or devices that do not conform to KENWOOD specifications.
(h) Damage or deterioration occurring to any exterior finishes, cosmetic parts, tape heads, adaptors, antennas, cables, tapes, discs or faults or damage caused by defective or leaking batteries.
(i) Defects or damage occurring during shipping (claims should be presented to the shipping company).
(j) Product voltage and /or line frequency conversions.
(k) Product installation or removal charges.

### TO OBTAIN WARRANTY SERVICE

Should your Kenwood product require warranty service, deliver it to any authorized KENWOOD service centre and present the original copy of your bill of sale and this warranty card as proof of warranty, or send your product fully insured and freight prepaid to the nearest authorized KENWOOD service centre. To avoid possible shipping damage, make sure the product is properly packed. Include a copy of your original bill of sale and this warranty card as proof of warranty along with your name, home and /or work telephone number(s), a complete return address and a detailed description of the fault(s). Products repaired within warranty will be returned freight prepaid to destinations within Canada. The customer is responsible for all freight and related costs for the return of product(s) to destinations outside Canada.

### ENTIRE WARRANTY

This warranty constitutes the entire written warranty given by KENWOOD. No person, party, dealer or service centre or their agents or employees are authorized to extend or enlarge this warranty on behalf of KENWOOD by any written or verbal statement or advertisement or promotion, including any extended warranty program or plan that may be offered by the dealer or service centre, unless approved in writing by KENWOOD.

### DISCLAIMER

KENWOOD disclaims any responsibility for loss of time or use of the product or any other indirect, incidental or consequential damage to other products or goods, inconvenience or commercial loss.

### NOTICE TO CONSUMER

The provisions contained in this written warranty are not intended to limit, modify, take away, disclaim or exclude any warranties or rights you may have which are set forth in any applicable provincial or federal laws or legislation.

### IMPORTANT

This warranty card by itself is not considered by KENWOOD as a valid proof of purchase. When applying for warranty repairs, you must present the original copy of your bill of sale and this warranty card as proof of warranty, so we recommend that they be kept in a safe place, should they be required in the future.

**JVCKENWOOD CANADA INC.**
**6070 Kestrel Road, Mississauga,**
**Ontario, Canada L5T 1S8**
**Tel.: (905) 670-7211**
**Fax: (905) 670-7248**

### GARANTIE KENWOOD

KENWOOD ELECTRONICS CANADA INC. (ci-après appelée "KENWOOD"), donne par écrit la garantie suivante à l'acheteur original de chaque nouveau produit Kenwood distribué au Canada par KENWOOD et acheté à un concessionnaire autorisé par KENWOOD.

KENWOOD garantit, sous réserve des termes et des conditions énoncés ci-dessous, que chaque nouveau produit Kenwood, dans des conditions d'emploi normales, est exempt de tous défauts. Si l'un défaut se produit pendant la période de garantie, KENWOOD s'engage à assumer le coût des pièces défectueuses et de la main-d'oeuvre nécessaires pour effectuer les réparations pourvu que de tels défauts sont attribuables à des pièces défectueuses employées lors de la fabrication du produit Kenwood ou à la main-d'oeuvre tel qu'établi par KENWOOD ou par l'un de ses centres de service autorisés. Appelez KENWOOD pour vérifier si un concessionnaire ou un centre de service est autorisé par KENWOOD.

### PÉRIODE DE GARANTIE

Les pièces et la main-d'oeuvre nécessaires pour la réparation des produits Kenwood sont garanties pendant la période d'un (1) an à compter de la date d'achat, de bail ou de location originale, sauf dans les cas où les produits Kenwood sont employés dans un but professionnel ou commercial, où la garantie des pièces et de la main-d'oeuvre demeure en vigueur pendant une période de quatre-vingt-dix (90) jours sous réserve des termes et des conditions de la garantie.

### EXCLUSIONS DE GARANTIE

Cette garantie ne couvre pas:

(a) les produits achetés à l'étranger ou achetés au Canada et transportés à l'étranger;
(b) les produits achetés à un concessionnaire non autorisé par KENWOOD;
(c) les produits dont le numéro de série manque, a été effacé ou modifié;
(d) les services d'entretien périodiques qui n'indiquent aucun défaut couvert par cette garantie;
(e) les défauts causés par les désastres, les accidents, les abus, les emplois incorrects, les éclairs, les surtensions de courant, les manques de soins ou d'entretiens périodiques, les modifications non autorisées ou les manques de respect du mode d'emploi;
(f) les défauts ou les dommages causés lors de réparations effectuées par une personne ou par une partie non autorisée par KENWOOD;
(g) les défauts causés par l'emploi de pièces ou de dispositifs qui ne se conforment pas aux exigences de KENWOOD;
(h) les finitions extérieures, les pièces cosmétiques, les têtes de bandes, les adaptateurs, les antennes, les câbles, les bandes, les disques endommagés ou déphis, ni les défauts ou dommages causés par des piles défectueuses ou qui fuient;
(i) les défauts ou dommages qui se produisent pendant l'expédition des produits Kenwood (On devrait déposer de telles réclamations auprès des compagnies de transport);
(j) les conversions de tension et/ou de fréquence du produit;
(k) les frais d'installation ou d'enlèvement du produit.

### COMMENT OBTENIR DU SERVICE SOUS GARANTIE

Au cas où un service sous garantie de votre produit Kenwood s'avère nécessaire, veuillez livrer le produit à n'importe quel centre de service KENWOOD et présenter la copie originale du contrat de vente et cette carte de garantie en tant que preuve de garantie ou veuillez faire parvenir votre produit assuré et port payé au centre de service KENWOOD autorisé le plus proche. Pour éviter toutes possibilités de dommages pendant le transport, veuillez bien emballer le produit. Veuillez inclure une copie du contrat de vente original et cette carte de garantie en tant que preuve de garantie aussi bien que votre nom, numéros de téléphone au poste de travail et/ou au domicile, votre adresse et une description détaillée des défauts. Les produits sous garantie réparés seront retournés port payé aux destinations à l'intérieur du Canada. Le consommateur sera responsable de tous frais de transport et d'autres frais qui s'y rapportent pour faire expédier les produits à destinations à l'extérieur du Canada.

### L'ENTIÈRE GARANTIE

Cette garantie représente l'entière garantie donnée par écrit par KENWOOD. KENWOOD ne se tient aucunement responsable de toutes extensions ni de toutes augmentations de cette garantie faites ou entreprises par toutes personnes, parties, concessionnaires ou centres de service ou par leurs agents ou employés au nom de KENWOOD au moyen d'affirmations verbales ou écrites, d'annonces ou de promotions, y inclus tous programmes ou plans de garantie étendue que puissent offrir les concessionnaires ou les centres de service, à moins que KENWOOD n'y ait consenti par écrit d'avance.

### RENONCIATION

KENWOOD renonce à toutes responsabilités de perte de temps, d'emploi du produit, de tous dommages indirects ou accessoires causés à d'autres produits ou biens, de tous inconvénients ou de toutes pertes commerciales.

### AVIS AUX CONSOMMATEURS

Les stipulations contenues dans la présente garantie écrite n'ont pas pour but de limiter, de modifier, de diminuer, de rejeter ni d'exclure d'autres garanties ni droits énoncés dans n'importe quelles lois ou législations provinciales ou fédérales.

### IMPORTANT

KENWOOD ne considère pas cette garantie toute seule comme étant une preuve d'achat valide. Lorsqu'on demande du service sous garantie, il faudra présenter la copie originale du contrat de vente aussi bien que cette carte de garantie en tant que preuve de garantie. On recommande de les conserver dans un lieu sûr au cas où elles s'avèreraient nécesaires à l'avenir.

**JVCKENWOOD CANADA INC.**
**6070 Kestrel Road, Mississauga,**
**Ontario, Canada L5T 1S8**
**Téléphone: (905) 670-7211**
**Télécopieur: (905) 670-7248**

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