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KENWOOD

KMM-204
KMM-124
KMM-104RY

KMM-104GY
KMM-104AY

DIGITAL MEDIA RECEIVER
INSTRUCTION MANUAL

JVC KENWOOD Corporation



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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:

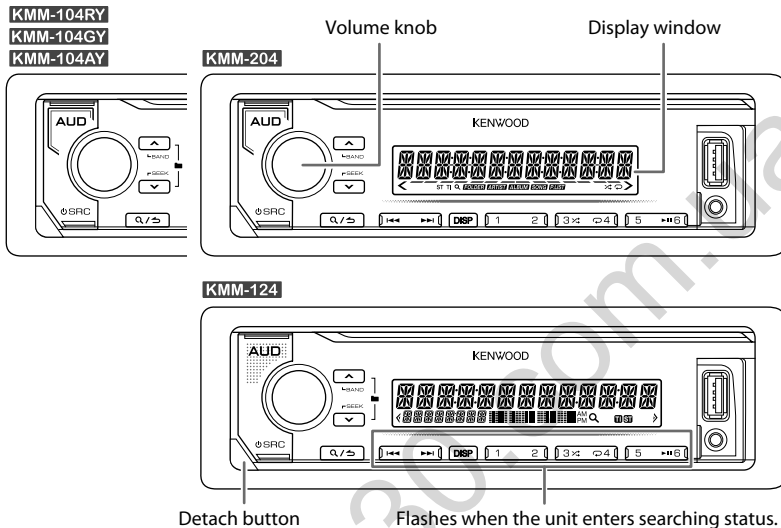
- Avoid using the external device if it might hinder safe driving.
- Make sure all important data has been backed up. We shall bear no responsibility for any loss of recorded data.
- Never put or leave any metallic objects (such as coins or metal tools) inside the unit, to prevent a short circuit.
- Depending on the types of cars, the antenna will automatically extend when you turn on the unit with the antenna control wire connected (➔ 16). Turn off the unit or change the source to STANDBY when parking at a low ceiling area.

How to read this manual

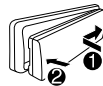
- Operations are explained mainly using buttons on the faceplate of **KMM-204**.
- English indications are used for the purpose of explanation. You can select the display language from the **[FUNCTION]** menu. (➔ 5)
- **[XX]** indicates the selected items.
- (➔ **XX**) indicates references are available on the stated page.

BASICS

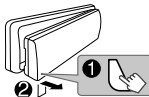
Faceplate



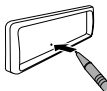
Attach



Detach



How to reset



Your preset adjustments will be erased except stored radio stations.

To

On the faceplate

Turn on the power

Press **SRC**.
• Press and hold to turn off the power.

Adjust the volume

Turn the volume knob.

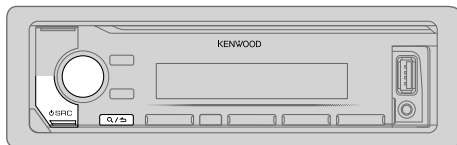
Select a source

Press **SRC** repeatedly.

Change the display information

Press **DISP** repeatedly. (→ 14)

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), [RUS] (Russian) 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.

To adjust the clock

- 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.

To set the date

- 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 Q/↵ to exit.

To return to the previous setting item, press Q/↵.

3 Set the initial settings

- 1 Press SRC repeatedly to enter STANDBY.
- 2 Press the volume knob to enter [FUNCTION].
 - Pressing **AUD** enters [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 Q/↵ to exit.

To return to the previous setting item, press Q/↵.

Default: **XX**

AUDIO CONTROL	
SWITCH PREOUT	REAR/SUB-W or REAR/ SUBWOOFER: Selects whether rear speakers or a subwoofer are connected to the line out terminals on the rear (through an external amplifier). (→ 16)
SP SELECT	OFF/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

(For **KMM-124**)

When entering **[FUNCTION]**...

ON: ZONE 1 illumination changes to white color. ;

OFF: ZONE 1 illumination remains as **[COLOR SELECT]** color. (→ 11)

• ZONE 2 illumination changes to light blue color when you enter **[FUNCTION]**, regardless of the **[EASY MENU]** setting.

• Refer to the illustration on page 11 for zone identification.

TUNER SETTING

PRESET TYPE

NORMAL: Memorizes one station for each preset button in each band (FM1/FM2/FM3/MW/LW). ; **MIX:** Memorizes one station for each preset button, regardless of the selected band.

SYSTEM

KEY BEEP

ON: Activates the keypress tone. ; **OFF:** Deactivates.

SOURCE SELECT

BUILT-IN AUX

ON: Enables AUX in source selection. ; **OFF:** Disables. (→ 9)

P-OFF WAIT

Applicable only when the demonstration mode is turned off. Sets the duration when the unit will automatically turn off (while in standby mode) to save the battery.

20M: 20 minutes ; **40M:** 40 minutes ; **60M:** 60 minutes ;

WAIT TIME --- or **OFF** --- : Cancels

F/W UPDATE

UPDATE SYSTEM

F/W UP xxxx

YES: Starts upgrading the firmware. ; **NO:** Cancels (upgrading is not activated).
For details on how to update the firmware, visit <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.

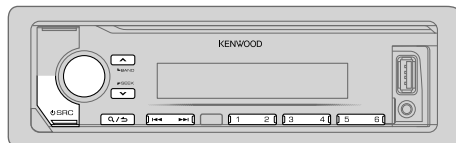
ENGLISH

РУССКИЙ

Select the display language for **[FUNCTION]** menu and music information if applicable.
By default, **[ENGLISH]** is selected.

ESPAÑOL

RADIO



Search for a station

- 1 Press **SRC** repeatedly to select **RADIO**.
 - 2 Press **BAND** repeatedly to select FM1/FM2/FM3/MW/LW.
 - 3 Press **◀▶** 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**).

RADIO

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 **Q/↵** to exit.

To return to the previous setting item, press **Q/↵**.

Default: **XX**

TUNER SETTING	
LOCAL SEEK	ON : Searches only stations with good reception. ; OFF : Cancels. • Settings made are applicable only to the selected source/station. Once you change the source/station, you need to make the settings again.
AUTO MEMORY	YES : Automatically starts memorizing 6 stations with good reception. ; NO : Cancels. • 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.
NEWS SET	ON : The unit will temporarily switch to News Programme if available. ; OFF : Cancels.
REGIONAL	ON : Switches to another station only in the specific region using the "AF" control. ; OFF : Cancels.
AF SET	ON : Automatically searches for another station broadcasting the same program in the same Radio Data System network with better reception when the current reception is poor. ; OFF : Cancels.
TI	ON : Allows the unit to temporarily switch to Traffic Information if available ("TI" lights up). ; OFF : Cancels.

- PTY SEARCH**
- 1 Turn the volume knob to select the available Program Type, then press the knob.
 - 2 Turn the volume knob to select the PTY language (**ENGLISH/FRENCH/GERMAN**), then press the knob.
 - 3 Press **◀◀ / ▶▶** to start searching.

CLOCK

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

Available Program Type for [PTY SEARCH]

SPEECH : NEWS, AFFAIRS, INFO (information), SPORT, EDUCATE, DRAMA, CULTURE, SCIENCE, VARIED, WEATHER, FINANCE, CHILDREN, SOCIAL, RELIGION, PHONE IN, TRAVEL, LEISURE, DOCUMENT

MUSIC : POP M (music), ROCK M (music), EASY M (music), LIGHT M (music), CLASSICS, OTHER M (music), JAZZ, COUNTRY, NATION M (music), OLDIES, FOLK M (music)

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

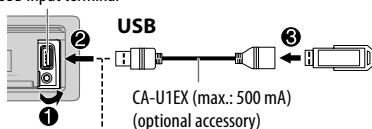
- [LOCAL SEEK]/[MONO SET]/[NEWS SET]/[REGIONAL]/[AF SET]/[TI]/[PTY SEARCH] is selectable only when the band is FM1/FM2/FM3.
- If the volume is adjusted during reception of traffic information or news bulletin, the adjusted volume is memorized automatically. It will be applied the next time traffic information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

USB/iPod/ANDROID

Start playback

The source changes automatically and playback starts.

USB input terminal



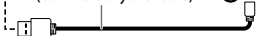
iPod/iPhone

KCA-iP102/KCA-iP103 (optional accessory)*1 or accessory of the iPod/iPhone*2



ANDROID*3

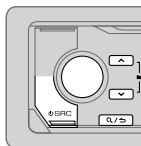
USB cable*2 (commercially available)



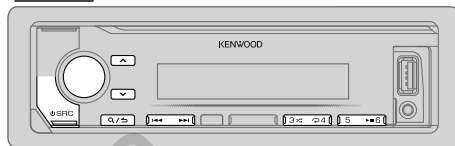
*1 KCA-iP102 : 30-pin type, KCA-iP103 : Lightning type

*2 Do not leave the cable inside the car when not using.

Other models



KMM-204



Selectable source:

KMM-204 : USB/iPod/ANDROID

KMM-124 / KMM-104RY / KMM-104GY / KMM-104AY : USB/ANDROID

To	On the faceplate
Playback/pause	Press ▶ 6 .
Reverse/Fast-forward*4	Press and hold ◀◀ / ▶▶1 .
Select a file	Press ◀◀ / ▶▶1 .
Select a folder*5	Press ▲ / ▼ .
Repeat play*6	Press ↺4 repeatedly. FILE REPEAT/FOLDER REPEAT/ALL REPEAT: MP3/WMA/WAV/FLAC file FILE REPEAT/FOLDER REPEAT/REPEAT OFF: iPod or ANDROID
Random play*6	Press 3>↻ repeatedly. FOLDER RANDOM/RANDOM OFF: MP3/WMA/WAV/FLAC file, iPod or ANDROID Press and hold 3>↻ to select ALL RANDOM.

*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. For more information, visit <www.kenwood.com/cs/ce/>.

*4 For ANDROID: Applicable only when [BROWSE MODE] is selected. (➡ 8)

*5 This does not work for iPod/ANDROID.

*6 For iPod/ANDROID: Applicable only when [MODE OFF]/[BROWSE MODE] is selected. (➡ 8)

USB/iPod/ANDROID

Select control mode

While in iPod source, press **5** 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 **5** 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

While in USB source, press **5** 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.

Select a file from a folder/list

For iPod/ANDROID, applicable only when [MODE OFF]/[BROWSE MODE] is selected.

- 1 Press **Q/↵**.
- 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 (applicable only for USB and ANDROID source)

If you have many files, you can search through them quickly.

Turn the volume knob quickly to browse through the list quickly.

Skip Search (applicable only for iPod and ANDROID source)

Press **◀◀ / ▶▶** to search at a preset skip search ratio.

(→ 9, [SKIP SEARCH])

- Pressing and holding **◀◀ / ▶▶** searches at a 10% ratio.

Alphabet search (applicable only for iPod and ANDROID source)

You can search for a file according to the first character.

For iPod source

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

For ANDROID source

- 1 Press **▲ / ▼** to enter character search.
- 2 Turn the volume knob to select the character.
 - ▲A▲: Upper case letters (A to Z)
 - _A_: Lower case letters (a to z)
 - 0-: Numbers (0 to 9)
 - ***: Character other than A to Z, 0 to 9
- 3 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 **Q/↵**.
- To cancel, press and hold **Q/↵**.

USB/iPod/ANDROID

Listen to TuneIn Radio/TuneIn Radio Pro/Aupee (for KMM-204)

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

- The unit will output the sound from these applications.

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 **Q/↵** to exit.

To return to the previous setting item, press **Q/↵**.

Default: **XX**

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

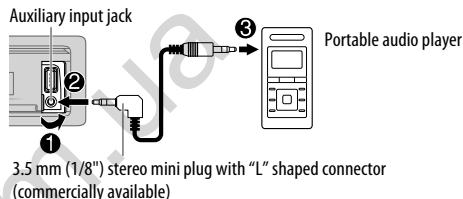
AUX

Preparation:

Select [ON] for [BUILT-IN AUX] in [SOURCE SELECT]. (→ 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 **Q/↵** to exit.

To return to the previous setting item, press **Q/↵**.

AUDIO SETTINGS

While listening to any source...

- 1 Press **AUD** 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 **Q/↵** to exit.

To return to the previous setting item, press **Q/↵**.

Default: **XX**

AUDIO CONTROL			
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.	
MID LEVEL	-8 to +8 (+1)	(Before making an adjustment, select the source you want to adjust.)	
TRE LEVEL	-8 to +8 (+1)		
EQ PRO (This setting is stored to [USER].)			
BASS ADJUST	BASS CTR FRQ	60/80/100/200 or 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.	

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	LV1/LV2/LV3 or LEVEL1/LEVEL2/LEVEL3: Selects your preferred bass boost level. ; OFF: Cancels.
LOUDNESS	LV1/LV2 or 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 [SUB-W] or [SUBWOOFER]. (→ 4)
- [SUB-W LEVEL]/[LPF SUBWOOFER]/[SUB-W PHASE] is selectable only if [SUBWOOFER SET] is set to [ON].

DISPLAY SETTINGS

Zone identification for brightness settings

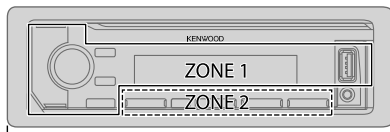
KMM-204
KMM-104RY
KMM-104GY
KMM-104AY



ALL ZONE

Zone identification for color and brightness settings

KMM-124



ALL ZONE

Set the dimmer

Press and hold **DISP** 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 an item (see the following table), then press the knob.
- 3 Repeat step 2 until the desired item is selected/activated or follow the instructions stated on the selected item.
- 4 Press and hold **Q/↵** to exit.

To return to the previous setting item, press **Q/↵**.

Default: **XX**

DISPLAY

COLOR SELECT

(For **KMM-124**)

Select color for **ALL ZONE**, **ZONE 1** and **ZONE 2** separately.

- 1 Select a zone. (See the illustration on the left column.)
- 2 Select a color for the selected zone.

INITIAL COLOR/VARIABLE SCAN/CUSTOM R/G/B/preset colors*

To make your own color, select [CUSTOM R/G/B]. The color you have made will be stored in [CUSTOM R/G/B].

- 1 Press the volume knob to enter the detailed color adjustment.
- 2 Press **◀◀ / ▶▶** to select the color (R/G/B) to adjust.
- 3 Turn the volume knob to adjust the level (0 to 9), then press the knob.

DIMMER

(Default:

[ON]: **18:00**;

[OFF]: **6:00**)

Dim the illumination.

ON: Dimmer is turned on. ; **OFF**: Cancels.

DIMMER TIME: Set the dimmer on and off time.

- 1 Turn the volume knob to adjust the [ON] time, then press the knob.
- 2 Turn the volume knob to adjust the [OFF] time, then press the knob.

BRIGHTNESS

- 1 Select a zone. (See the illustration on the left column.)
- 2 **0 — 31**: Select your preferred brightness level for the selected zone.

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.	<ul style="list-style-type: none"> Adjust the volume to the optimum level. 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.
	<ul style="list-style-type: none"> Sound cannot be heard. The unit does not turn on. Information shown on the display is incorrect. 	Clean the connectors. (➡ 13)
	The unit does not work at all.	Reset the unit. (➡ 3)
Radio	<ul style="list-style-type: none"> Radio reception is poor. Static noise while listening to the radio. 	Connect the antenna firmly.
	"READING" keeps flashing.	Do not use too many hierarchical levels or folders.
USB/iPod	Elapsed playing time is not correct.	This is caused by how the files are recorded.
	Correct characters are not displayed (e.g. album name).	<ul style="list-style-type: none"> This unit can only display uppercase letters, numbers, and a limited number of symbols. Depending on the display language you have selected (➡ 5), some characters may not be displayed correctly.
	"NA FILE"	Make sure the media contains supported audio files. (➡ 13)
	"NO DEVICE"	Connect a USB device, and change the source to USB again.
	"COPY PRO"	A copy-protected file is played.

	Symptom	Remedy
USB/iPod	"NA DEVICE"	Connect a supported USB device, and check the connections.
	"NO MUSIC"	Connect a USB device that contains playable audio files.
	"iPod ERROR"	<ul style="list-style-type: none"> Reconnect the iPod. Reset the iPod.
ANDROID	<ul style="list-style-type: none"> Sound cannot be heard during playback. Sound output only from the Android device. 	<ul style="list-style-type: none"> Reconnect the Android device. If in [HAND MODE], launch any media player application on the Android device and start playback. If in [HAND MODE], relaunch the current media player application or use another media player application. Restart the Android device. If this does not solve the problem, the connected Android device is unable to route the audio signal to unit. (➡ 13)
	Cannot playback at [BROWSE MODE].	<ul style="list-style-type: none"> Make sure KENWOOD MUSIC PLAY APP is installed on the Android device. (➡ 7) Reconnect the Android device and select the appropriate control mode. If this does not solve the problem, the connected Android device does not support [BROWSE MODE]. (➡ 13)
	"NO DEVICE" or "READING" keeps flashing.	<ul style="list-style-type: none"> Switch off the developer options on the Android device. Reconnect the Android device. If this does not solve the problem, the connected Android device does not support [BROWSE MODE]. (➡ 13)
	Playback is intermittent or sound skips.	Turn off the power saving mode on the Android device.
	"ANDROID ERROR"/ "NA DEVICE"	<ul style="list-style-type: none"> Reconnect the Android device. Restart the Android device.

REFERENCES

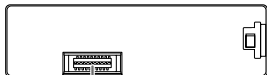
■ Maintenance

Cleaning the unit

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

Cleaning the connector

Detach the faceplate and clean the connector gently with a cotton swab, being careful not to damage the connector.



Connector (on the reverse side of the faceplate)

■ More information

For: — Latest firmware updates and latest compatible item list

— Any other latest information

Visit <www.kenwood.com/cs/ce/>.

Playable files

- Playable audio file for USB mass storage class device: MP3 (.mp3), WMA (.wma), WAV (.wav), FLAC (.flac)

- 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.

- For detailed information and notes about the playable audio files, visit <www.kenwood.com/cs/ce/audiofiles>.

About USB devices

- 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 (5th, and 6th generation)
- iPod nano (7th generation)
- iPhone 4S, 5, 5S, 5C, 6, 6 Plus, 6S, 6S Plus, SE, 7, 7 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.

Muting upon the reception of a phone call

Connect the MUTE wire to your telephone using a commercial telephone accessory.

(→ 16)

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

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	
	KMM-204 // KMM-104RY / KMM-104GY // KMM-104AY	KMM-124
STANDBY	Source name → Clock → (back to the beginning)	Source name (Date/Clock)
RADIO	Frequency → Clock → (back to the beginning) (For FM Radio Data System stations only) Station name → Radio text → Radio text+ → Title/Artist → Frequency → Clock → (back to the beginning)	Frequency (Date/Clock) (For FM Radio Data System stations only) Station name (Date/Clock) → Radio text (Date/Clock) → Radio text+ (R.TEXT+) → Song title (Artist) → Song title (Date/Clock) → Frequency (Date/Clock) → (back to the beginning)
USB	(For MP3/WMA/WAV/FLAC files) Song title/Artist → Album title/artist → Folder name → File name → Playing time → Clock → (back to the beginning)	(For MP3/WMA/WAV/FLAC files) Song title (Artist) → Song title (Album title) → Song title (Date/Clock) → File name (Folder name) → File name (Date/Clock) → Playing time (Date/Clock) → (back to the beginning)
iPod or ANDROID	When [MODE OFF]/[BROWSE MODE] is selected (→ 8): Song title/Artist → Album title/Artist → Playing time → Clock → (back to the beginning)	When [BROWSE MODE] is selected (→ 9): Song title (Artist) → Song title (Album name) → Song title (Date/Clock) → Playing time (Date/Clock) → (back to the beginning)
AUX	Source name → Clock → (back to the beginning)	Source name (Date/Clock)

INSTALLATION/CONNECTION

▲ 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.
- To prevent short circuit:
 - Insulate unconnected wires with vinyl tape.
 - Be sure to ground this unit to the car's chassis again after installation.
 - Secure the wires with cable clamps and wrap vinyl tape around the wires that come into contact with metal parts to protect the wires.

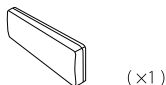
▲ Caution

- 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.

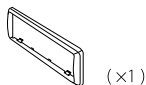
INSTALLATION/CONNECTION

Part list for installation

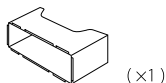
(A) Faceplate



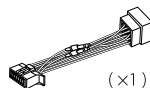
(B) Trim plate



(C) Mounting sleeve



(D) Wiring harness



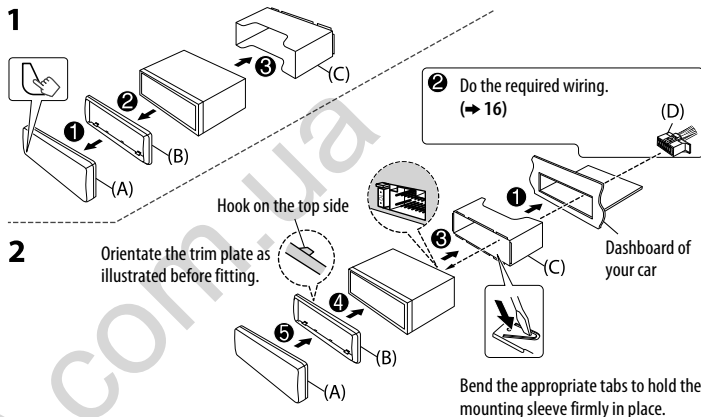
(E) Extraction key



Basic procedure

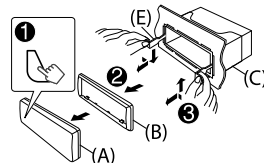
- 1 Remove the key from the ignition switch, then disconnect the \ominus terminal of the car battery.
- 2 Connect the wires properly.
See Wiring connection. (→ 16)
- 3 Install the unit to your car.
See Installing the unit (in-dash mounting).
- 4 Connect the \ominus terminal of the car battery.
- 5 Detach the faceplate and reset the unit. (→ 3)

Installing the unit (in-dash mounting)



How to remove the unit

- 1 Detach the faceplate.
- 2 Remove the trim plate.
- 3 Insert the extraction keys deeply into the slots on each side, then follow the arrows as shown on the illustration.



INSTALLATION/CONNECTION

Wiring connection

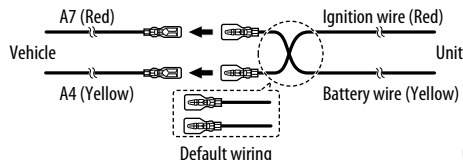
If your car does not have an ISO terminal:

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.

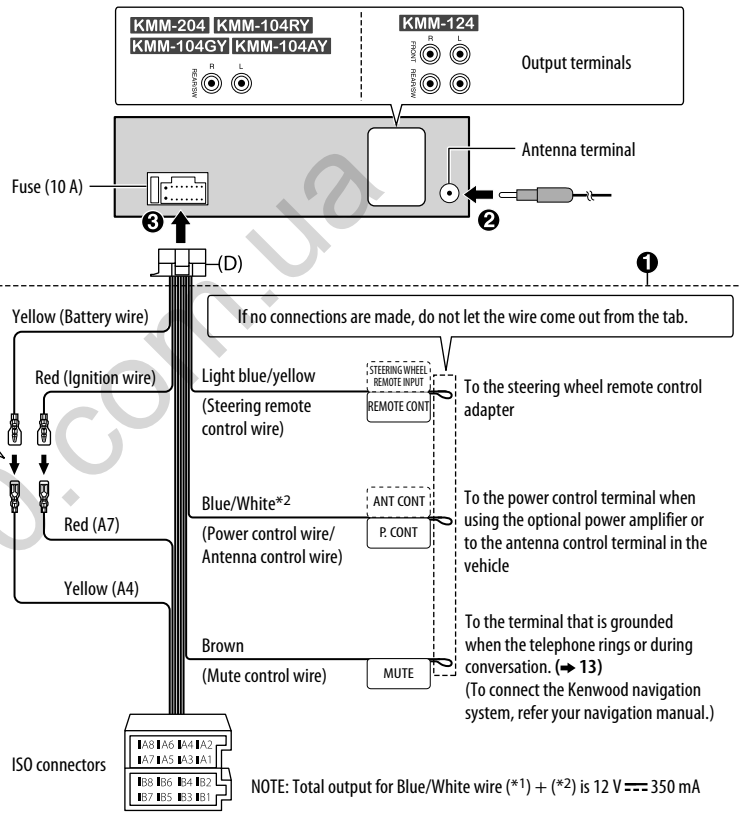
When connecting to an external amplifier, connect its ground wire to the car's chassis to avoid damaging the unit.

Connecting the ISO connectors on some VW/Audi or Opel (Vauxhall) automobiles

You may need to modify the wiring of the supplied wiring harness as illustrated below.



Pin	Color and function (for ISO connectors)	
A4	Yellow	: Battery
A5	Blue/White*1	: Power control
A7	Red	: Ignition (ACC)
A8	Black	: Earth (ground) connection
B1/B2	Purple ⊕/Purple/black ⊖	: Rear speaker (right)
B3/B4	Gray ⊕/Gray/black ⊖	: Front speaker (right)
B5/B6	White ⊕/White/black ⊖	: Front speaker (left)
B7/B8	Green ⊕/Green/black ⊖	: Rear speaker (left)



SPECIFICATIONS

Tuner	FM	Frequency Range	87.5 MHz — 108.0 MHz (50 kHz space)
		Usable Sensitivity (S/N = 30 dB)	0.71 μV/75 Ω
		Quieting Sensitivity (DIN S/N = 46 dB)	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
MW (AM)	Frequency Range	531 kHz — 1 611 kHz (9 kHz space)	
	Usable Sensitivity (S/N = 20 dB)	28.2 μV	
LW (AM)	Frequency Range	153 kHz — 279 kHz (9 kHz space)	
	Usable Sensitivity (S/N = 20 dB)	50 μV	
USB	USB Standard		USB 1.1, USB 2.0 Full Speed
	File System		FAT12/16/32
	Maximum Supply Current		DC 5 V \leq 1 A
	Frequency Response (±1 dB)		20 Hz — 20 kHz
	Signal-to-Noise Ratio (1 kHz)		105 dB
	Dynamic Range		88 dB
	Channel Separation		90 dB
	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 \times 4	
	Full Bandwidth Power	22 W \times 4 (at less than 1 % THD)	
	Speaker Impedance	4 Ω — 8 Ω	
	Tone Action	Bass	100 Hz \pm 8 dB
		Middle	1.0 kHz \pm 8 dB
		Treble	12.5 kHz \pm 8 dB
Auxiliary	Preout Level/Load (USB)	2 500 mV/10 k Ω	
	Preout Impedance	\leq 600 Ω	
	Frequency Response (± 3 dB)	20 Hz — 20 kHz	
General	Input Maximum Voltage	1 000 mV	
	Input Impedance	30 k Ω	
	Operating Voltage	14.4 V (10.5 V — 16 V allowable)	
General	Maximum Current Consumption	10 A	
	Operational Temperature Range	-10°C — +60°C	
	Installation Size (W \times H \times D)	182 mm \times 53 mm \times 100 mm	
	Net Weight (includes Trimplate, Mounting Sleeve)	0.6 kg	

Subject to change without notice.