

## BLUETOOTH®

### Internet radio via Bluetooth

You can listen to internet radio (Pandora and Spotify) on the iPhone/iPod/Android device via Bluetooth on this unit.

- Make sure the USB input terminal is not connected to any device.

### Listen to Pandora

#### Preparation:

Select [ON] for [PANDORA SRC] in [SOURCE SELECT]. (→ 5)

- 1 Open the Pandora application on your device.
- 2 Connect your device via Bluetooth connection. (→ 14)
- 3 Press **SRC** repeatedly to select PANDORA (for iPhone/iPod) or PANDORA BT (for Android device).  
The source switches and broadcast starts automatically.

- You can operate Pandora in the same way as Pandora via USB input terminal. (→ 11)

### Listen to Spotify

#### Preparation:

Select [ON] for [SPOTIFY SRC] in [SOURCE SELECT]. (→ 5)

- 1 Open the Spotify application on your device.
  - 2 Connect your device via Bluetooth connection. (→ 14)
  - 3 Press **SRC** repeatedly to select SPOTIFY (for iPhone/iPod) or SPOTIFY BT (for Android device).  
The source switches and broadcast starts automatically.
- You can operate Spotify in the same way as Spotify via USB input terminal. (→ 12)

## AUDIO SETTINGS

While listening to any source...

- 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.

(or using the remote control)

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

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

Default: **XX**

| AUDIO CONTROL                                                            |                                                                                                                                                                   |                                                                                                                                                     |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| SUB-W LEVEL                                                              | LEVEL -50 to LEVEL +10 (LEVEL 0):                                                                                                                                 | Adjusts the subwoofer output level.                                                                                                                 |
| MANUAL EQ                                                                | The sound elements (frequency level, tone level, Q factor) are preset into each selection.                                                                        |                                                                                                                                                     |
| 62.5HZ                                                                   | LEVEL                                                                                                                                                             | LEVEL -9 to LEVEL +9 (LEVEL 0): Adjusts the level to memorize for each source. (Before making an adjustment, select the source you want to adjust.) |
|                                                                          | BASS EXTEND                                                                                                                                                       | ON: Turns on the extended bass. ; OFF: Cancels.                                                                                                     |
| 100HZ/160HZ/250HZ/400HZ/630HZ/1KHZ/1.6KHZ/2.5KHZ/4KHZ/6.3KHZ/10KHZ/16KHZ | LEVEL                                                                                                                                                             | LEVEL -9 to LEVEL +9 (LEVEL 0): Adjusts the level to memorize for each source. (Before making an adjustment, select the source you want to adjust.) |
| Q FACTOR                                                                 | 1.35/1.50/2.00: Adjust the quality factor.                                                                                                                        |                                                                                                                                                     |
| PRESET EQ                                                                | NATURAL/ROCK/POPS/EASY/TOP40/JAZZ/POWERFUL/USER: Selects a preset equalizer suitable to the music genre. (Select [USER] to use the settings made in [MANUAL EQ].) |                                                                                                                                                     |

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## AUDIO SETTINGS

|                                                |                                                                                                                                                                                                                                                     |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BASS BOOST</b>                              | LEVEL1/LEVEL2/LEVEL3/LEVEL4/LEVEL5 or LV1/LV2/LV3/LV4/LV5: Selects your preferred bass boost level. ; <b>OFF</b> : Cancels.                                                                                                                         |
| <b>LOUDNESS</b>                                | LEVEL1/LEVEL2 or LV1/LV2: Selects your preferred low and high frequencies boost to produce a well-balanced sound at a low volume level. ; <b>OFF</b> : Cancels.                                                                                     |
| <b>SUBWOOFER SET</b>                           | <b>ON</b> : Turns on the subwoofer output. ; <b>OFF</b> : Cancels.                                                                                                                                                                                  |
| <b>FADER</b>                                   | (Not applicable if 3-way crossover is selected.)<br>R15 to F15 (0): Adjusts the rear and front speaker output balance.                                                                                                                              |
| <b>BALANCE</b>                                 | L15 to R15 (0): Adjusts the left and right speaker output balance.                                                                                                                                                                                  |
| <b>VOLUME OFFSET</b>                           | -15 to +6 (0): Preset the initial volume level of each source. (Before adjustment, select the source you want to adjust.)                                                                                                                           |
| <b>SOUND EFFECT</b>                            |                                                                                                                                                                                                                                                     |
| <b>SOUND RECNSTR</b><br>(Sound reconstruction) | (Not applicable for RADIO source and AUX source.)<br><b>ON</b> : Creates realistic sound by compensating the high-frequency components and restoring the rise-time of the waveform that are lost in audio data compression. ; <b>OFF</b> : Cancels. |
| <b>SPACE ENHANCE</b>                           | (Not applicable for RADIO source.)<br>SMALL/MEDIUM/LARGE or SML/MED/LRG: Virtually enhances the sound space. ; <b>OFF</b> : Cancels.                                                                                                                |
| <b>SND REALIZER</b>                            | LEVEL1/LEVEL2/LEVEL3 or LV1/LV2/LV3: Virtually makes the sound more realistic. ; <b>OFF</b> : Cancels.                                                                                                                                              |
| <b>STAGE EQ</b>                                | LOW/MIDDLE/HIGH or LOW/MID/HI: Virtually adjust the sound position heard from the speakers. ; <b>OFF</b> : Cancels.                                                                                                                                 |
| <b>DRIVE EQ</b>                                | <b>ON</b> : Boosts the frequency to reduce the noise heard from outside the car or running noise of the tyres. ; <b>OFF</b> : Cancels.                                                                                                              |
| <b>SPEAKER SIZE</b>                            | Depending on the crossover type you have selected (➔ 5), 2-way crossover or 3-way crossover setting items will be shown (➔ 23).                                                                                                                     |
| <b>X'OVER</b>                                  | By default, 2-way crossover type is selected.                                                                                                                                                                                                       |

### DTA SETTINGS

For settings, ➔ 24, Digital Time Alignment Settings.

### CAR SETTINGS

- **KMM-BT204**: For 2-way crossover: [SUB-W LEVEL]/[SUBWOOFER SET] is selectable only if [SWITCH PREOUT] is set to [SUB-W]. (➔ 4)
- [SUB-W LEVEL] is selectable only if [SUBWOOFER SET] is set to [ON].

### Crossover settings

Below are the available setting items for 2-way crossover and 3-way crossover.

#### SPEAKER SIZE

Selects according to the connected speaker size for optimum performance.

- The frequency and slope settings are automatically set for the crossover of the selected speaker.
- When 2-way crossover is selected, if [NONE] is selected for [TWEETER] of [FRONT], [REAR] and [SUBWOOFER] for [SPEAKER SIZE], the [X'OVER] setting of the speaker is not available.
- When 3-way crossover is selected, if [NONE] is selected for [WOOFER] of [SPEAKER SIZE], the [X'OVER] setting of [WOOFER] is not available.

#### X'OVER

- [FRQ]/[F - HPF FRQ]/[R - HPF FRQ]/[SW LPF FRQ]/[HPF FRQ]/[LPF FRQ]: Adjusts the crossover frequency for the selected speakers (high pass filter or low pass filter).  
If [THROUGH] is selected, all signals are sent to the selected speakers.
- [F - HPF SLOPE]/[R - HPF SLOPE]/[SW LPF SLOPE]/[HPF SLOPE]/[LPF SLOPE]/[SLOPE]: Adjusts the crossover slope.  
Selectable only if a setting other than [THROUGH] is selected for the crossover frequency.
- [SW LPF PHASE]/[PHASE]: Selects the phase of the speaker output to be in line with the other speaker output.
- [GAIN LEFT]/[GAIN RIGHT]/[F - HPF GAIN]/[R - HPF GAIN]/[SW LPF GAIN]/[GAIN]: Adjusts the output volume of the selected speaker.

## AUDIO SETTINGS

### 2-way crossover setting items

| SPEAKER SIZE    |                                                                                      |                                                                                        |
|-----------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| FRONT           | SIZE                                                                                 | 8CM/10CM/12CM/13CM/ <u>16CM</u> /17CM/18CM/4×6/5×7/6×8/6×9/7×10                        |
|                 | TWEETER                                                                              | SMALL/ <u>MIDDLE</u> /LARGE/NONE (not connected)                                       |
| REAR            | 8CM/10CM/12CM/13CM/ <u>16CM</u> /17CM/18CM/4×6/5×7/6×8/6×9/7×10/NONE (not connected) |                                                                                        |
| SUBWOOFER*1     | 16CM/20CM/ <u>25CM</u> /30CM/38CM OVER/NONE (not connected)                          |                                                                                        |
| X' OVER         |                                                                                      |                                                                                        |
| TWEETER         | FRQ                                                                                  | 1KHZ/1.6KHZ/2.5KHZ/ <u>4KHZ</u> /5KHZ/6.3KHZ/8KHZ/10KHZ/12.5KHZ                        |
|                 | GAIN LEFT                                                                            | -8 to <u>0</u>                                                                         |
|                 | GAIN RIGHT                                                                           | -8 to <u>0</u>                                                                         |
| FRONT HPF       | F - HPF FRQ                                                                          | 30HZ/40HZ/50HZ/60HZ/70HZ/80HZ/90HZ/100HZ/120HZ/150HZ/180HZ/220HZ/250HZ/ <u>THROUGH</u> |
|                 | F - HPF SLOPE                                                                        | -6DB/ <u>-12DB</u> /-18DB/-24DB                                                        |
|                 | F - HPF GAIN                                                                         | -8 to <u>0</u>                                                                         |
| REAR HPF        | R - HPF FRQ                                                                          |                                                                                        |
|                 | R - HPF SLOPE                                                                        | (Refer FRONT HPF settings above.)                                                      |
|                 | R - HPF GAIN                                                                         |                                                                                        |
| SUBWOOFER LPF*1 | SW LPF FRQ                                                                           | 30HZ/40HZ/50HZ/60HZ/70HZ/80HZ/90HZ/100HZ/120HZ/150HZ/180HZ/220HZ/250HZ/ <u>THROUGH</u> |
|                 | SW LPF SLOPE                                                                         | -6DB/ <u>-12DB</u> /-18DB/-24DB                                                        |
|                 | SW LPF PHASE                                                                         | REVERSE (180°)/ <u>NORMAL</u> (0°)                                                     |
|                 | SW LPF GAIN                                                                          | -8 to 0                                                                                |

\*1 Selectable only when [SWITCH PREOUT] is set to [SUB-W] (→ 4)  
(for KMM-BT204), and [SUBWOOFER SET] is set to [ON]. (→ 22)

### 3-way crossover setting items

| SPEAKER SIZE |                                                    |                                                                                |
|--------------|----------------------------------------------------|--------------------------------------------------------------------------------|
| TWEETER      | SMALL/MIDDLE/LARGE                                 |                                                                                |
| MID RANGE    | 8CM/10CM/12CM/13CM/16CM/17CM/18CM/4×6/5×7/6×8/6×9  |                                                                                |
| WOOFER*2     | 16CM/20CM/25CM/30CM/38CM OVER/NONE (not connected) |                                                                                |
| X' OVER      |                                                    |                                                                                |
| TWEETER      | HPF FRQ                                            | 1KHZ/1.6KHZ/2.5KHZ/4KHZ/5KHZ/6.3KHZ/8KHZ/10KHZ/12.5KHZ                         |
|              | SLOPE                                              | -6DB/-12DB                                                                     |
|              | PHASE                                              | REVERSE (180°)/NORMAL (0°)                                                     |
|              | GAIN                                               | -8 to 0                                                                        |
| MID RANGE    | HPF FRQ                                            | 30HZ/40HZ/50HZ/60HZ/70HZ/80HZ/90HZ/100HZ/120HZ/150HZ/180HZ/220HZ/250HZ/THROUGH |
|              | HPF SLOPE                                          | -6DB/-12DB                                                                     |
|              | LPF FRQ                                            | 1KHZ/1.6KHZ/2.5KHZ/4KHZ/5KHZ/6.3KHZ/8KHZ/10KHZ/12.5KHZ/THROUGH                 |
|              | LPF SLOPE                                          | -6DB/-12DB                                                                     |
|              | PHASE                                              | REVERSE (180°)/NORMAL (0°)                                                     |
|              | GAIN                                               | -8 to 0                                                                        |
| WOOFER*2     | LPF FRQ                                            | 30HZ/40HZ/50HZ/60HZ/70HZ/80HZ/90HZ/100HZ/120HZ/150HZ/180HZ/220HZ/250HZ/THROUGH |
|              | SLOPE                                              | -6DB/-12DB                                                                     |
|              | PHASE                                              | REVERSE (180°)/NORMAL (0°)                                                     |
|              | GAIN                                               | -8 to 0                                                                        |

\*2 Selectable only when [SUBWOOFER SET] is set to [ON]. (→ 22)

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## AUDIO SETTINGS

### Digital Time Alignment settings

Digital Time Alignment sets the delay time of the speaker output to create a more suitable environment for your vehicle.

- For more information, ➔ **Determining the value for [DISTANCE] and [GAIN] of [DTA SETTINGS]**.

#### DTA SETTINGS

|                  |                                                                                                                                                                                                                                                                                                 |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>POSITION</b>  | Selects your listening position (reference point).<br><b>ALL</b> : Not compensating ; <b>FRONT RIGHT</b> : Front right seat ;<br><b>FRONT LEFT</b> : Front left seat ; <b>FRONT ALL</b> : Front seat<br>• <b>[FRONT ALL]</b> is displayed only when <b>[2-WAY X'OVER]</b> is selected.<br>(➔ 5) |
| <b>DISTANCE</b>  | 0CM to 610CM: Fine adjust the distance to compensate. (Before making an adjustment, select the speaker you want to adjust.)                                                                                                                                                                     |
| <b>GAIN</b>      | -8DB to 0DB: Fine adjust the output volume of the selected speaker. (Before making an adjustment, select the speaker you want to adjust.)                                                                                                                                                       |
| <b>DTA RESET</b> | <b>YES</b> : Resets the settings ([ <b>DISTANCE</b> ] and [ <b>GAIN</b> ]) of the selected [ <b>POSITION</b> ] to default. ; <b>NO</b> : Cancels.                                                                                                                                               |

#### CAR SETTINGS

Identify your car type and rear speaker location in order to make the adjustment for [DTA SETTINGS].

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CAR TYPE</b>      | <b>COMPACT/FULL SIZE CAR/WAGON/MINIVAN/SUV/MINIVAN(LONG)</b> : Selects the type of vehicle. ; <b>OFF</b> : Not compensating.                                                                                                                                                                                                                                                                                                                                                      |
| <b>R-SP LOCATION</b> | Selects the location of the rear speakers in your vehicle to calculate the furthest distance from the listening position selected (reference point).<br>• <b>DOOR/REAR DECK</b> : Selectable only when [ <b>CAR TYPE</b> ] is selected as [ <b>OFF</b> ], [ <b>COMPACT</b> ], [ <b>FULL SIZE CAR</b> ], [ <b>WAGON</b> ] or [ <b>SUV</b> ].<br>• <b>2ND ROW/3RD ROW</b> : Selectable only when [ <b>CAR TYPE</b> ] is selected as [ <b>MINIVAN</b> ] or [ <b>MINIVAN(LONG)</b> ]. |

- Before making an adjustment for [**DISTANCE**] and [**GAIN**] of [DTA SETTINGS], select the speaker you want to adjust:

When 2-way crossover is selected:

**FRONT LEFT/FRONT RIGHT/REAR LEFT/REAR RIGHT/SUBWOOFER**

- You can only select [**REAR LEFT**], [**REAR RIGHT**] and [**SUBWOOFER**] if a setting other than [**NONE**] is selected for [**REAR**] and [**SUBWOOFER**] of [**SPEAKER SIZE**]. (➔ 23)

When 3-way crossover is selected:

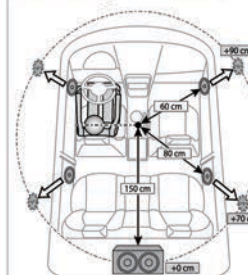
**TWEETER LEFT/TWEETER RIGHT/MID LEFT/MID RIGHT/WOOFER**

- You can only select [**WOOFER**] if a setting other than [**NONE**] is selected for [**WOOFER**] of [**SPEAKER SIZE**]. (➔ 23)

- [**R-SP LOCATION**] of [**CAR SETTINGS**] is selectable only if:

- 2-way crossover is selected. (➔ 5)
- A setting other than [**NONE**] is selected for [**REAR**] of [**SPEAKER SIZE**]. (➔ 23)

#### Determining the value for [DISTANCE] and [GAIN] of [DTA SETTINGS]



If you specify the distance from the center of the currently set listening position to every speaker, the delay time will be automatically computed and set.

- Determine the center of the currently set listening position as the reference point.
- Measure the distances from the reference point to the speakers.
- Calculate the differences between the distance of the furthest speaker (rear speaker) and other speakers.
- Set the [**DISTANCE**] calculated in step 3 for individual speakers.
- Adjust [**GAIN**] for individual speakers.

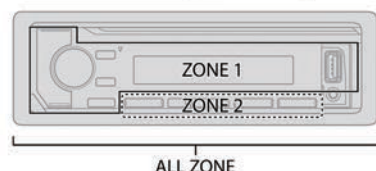
Example: When [**FRONT ALL**] is selected as the listening position

## DISPLAY SETTINGS

Zone identification for color and brightness settings

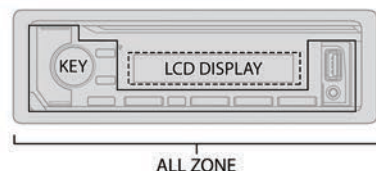
Default: **XX**

KMM-BT304



Zone identification for brightness settings

KMM-BT204



### 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

- Press the volume knob to enter [FUNCTION].
- Turn the volume knob to select an item (see the following table), then press the knob.
- Repeat step 2 until the desired item is selected/activated or follow the instructions stated on the selected item.
- Press and hold **Q/△** to exit.

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

### DISPLAY

#### COLOR SELECT

(For **KMM-BT304**)

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

- Select a zone. (See the illustration on the left column.)
- 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].

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

#### DIMMER

Dim the illumination.

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

**DIMMER TIME**: Set the dimmer on and off time.

- Turn the volume knob to adjust the [ON] time, then press the knob.
- Turn the volume knob to adjust the [OFF] time, then press the knob.  
(Default: [ON]: **PM6:00** or **6:00PM**; [OFF]: **AM6:00** or **6:00AM**)

#### BRIGHTNESS

- Select a zone. (See the illustration on the left column.)
- 0 to 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**

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## TROUBLESHOOTING

| Symptom                                                                                                                                                              | Remedy                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sound cannot be heard.                                                                                                                                               | <ul style="list-style-type: none"> <li>Adjust the volume to the optimum level.</li> <li>Check the cords and connections.</li> </ul>                                                                                                                           |
| "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.                                                                                                                                 |
| General<br>"PROTECTING SEND SERVICE" appears.                                                                                                                        | Send the unit to the nearest service center.                                                                                                                                                                                                                  |
| <ul style="list-style-type: none"> <li>Sound cannot be heard.</li> <li>The unit does not turn on.</li> <li>Information shown on the display is incorrect.</li> </ul> | Clean the connectors. (➡ 29)                                                                                                                                                                                                                                  |
| The unit does not work at all.                                                                                                                                       | Reset the unit. (➡ 3)                                                                                                                                                                                                                                         |
| Radio<br><ul style="list-style-type: none"> <li>Radio reception is poor.</li> <li>Static noise while listening to the radio.</li> </ul>                              | Connect the antenna firmly.                                                                                                                                                                                                                                   |
| "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.                                                                                                                                                                                                                |
| USB/iPod<br>"LOADING" appears when you enter search mode by pressing Q/➡.                                                                                            | This unit is still preparing the iPod/iPhone music list. It may take some time to load, try again later.                                                                                                                                                      |
| Correct characters are not displayed (e.g. album name).                                                                                                              | <ul style="list-style-type: none"> <li>This unit can only display uppercase letters, numbers, and a limited number of symbols.</li> <li>Depending on the display language you have selected (➡ 5), some characters may not be displayed correctly.</li> </ul> |

| Symptom                                                                                                                                                                             | Remedy                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| "NA FILE"                                                                                                                                                                           | Make sure the media contains supported audio files. (➡ 29)                                                                                                                                                                                                                               |
| "NO DEVICE"                                                                                                                                                                         | Connect a USB device, and change the source to USB again.                                                                                                                                                                                                                                |
| "COPY PRO"                                                                                                                                                                          | A copy-protected file is played.                                                                                                                                                                                                                                                         |
| "UNSUPPORTED DEVICE"                                                                                                                                                                | <ul style="list-style-type: none"> <li>Check whether the connected device is compatible with this unit and ensure the file systems are in supported formats. (➡ 29)</li> <li>Reattach the device.</li> </ul>                                                                             |
| USB/iPod<br>"UNRESPONSIVE DEVICE"                                                                                                                                                   | Make sure the device is not malfunction and reattach the device.                                                                                                                                                                                                                         |
| "USB HUB IS NOT SUPPORTED"                                                                                                                                                          | This unit cannot support a USB device connected via a USB hub.                                                                                                                                                                                                                           |
| <ul style="list-style-type: none"> <li>The source does not change to "USB" when you connect a USB device while listening to another source.</li> <li>"USB ERROR" appears</li> </ul> | The USB port is drawing more power than the design limit. Turn the power off and unplug the USB device. Then, turn on the power and reattach the USB device. If this does not solve the problem, turn the power off and on (or reset the unit) before replacing with another USB device. |
| "NO MUSIC"                                                                                                                                                                          | Connect a USB device that contains playable audio files.                                                                                                                                                                                                                                 |
| "iPod ERROR"                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Reconnect the iPod.</li> <li>Reset the iPod.</li> </ul>                                                                                                                                                                                           |

## TROUBLESHOOTING

| Symptom                                                                                                                                      | Remedy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Sound cannot be heard during playback.</li> <li>Sound output only from the Android device.</li> </ul> | <ul style="list-style-type: none"> <li>Reconnect the Android device.</li> <li>If in <b>[HAND MODE]</b>, launch any media player application on the Android device and start playback.</li> <li>If in <b>[HAND MODE]</b>, relaunch the current media player application or use another media player application.</li> <li>Restart the Android device.</li> <li>If this does not solve the problem, the connected Android device is unable to route the audio signal to unit. (➔ 29)</li> </ul> |
| ANDROID<br>Cannot playback at <b>[BROWSE MODE]</b> .                                                                                         | <ul style="list-style-type: none"> <li>Make sure KENWOOD MUSIC PLAY APP is installed on the Android device. (➔ 8)</li> <li>Reconnect the Android device and select the appropriate control mode.</li> <li>If this does not solve the problem, the connected Android device does not support <b>[BROWSE MODE]</b>. (➔ 29)</li> </ul>                                                                                                                                                           |
| "NO DEVICE" or "READING" keeps flashing.                                                                                                     | <ul style="list-style-type: none"> <li>Switch off the developer options on the Android device.</li> <li>Reconnect the Android device.</li> <li>If this does not solve the problem, the connected Android device does not support <b>[BROWSE MODE]</b>. (➔ 29)</li> </ul>                                                                                                                                                                                                                      |
| Playback is intermittent or sound skips.                                                                                                     | Turn off the power saving mode on the Android device.                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| "ANDROID ERROR"/<br>"NA DEVICE"                                                                                                              | <ul style="list-style-type: none"> <li>Reconnect the Android device.</li> <li>Restart the Android device.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                          |

| Symptom                    | Remedy                                                                                                                                                                                                                                                                                                              |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| "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.                                                                                                                                                                                                |
| Pandora<br>"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.                                                                                                                                                                                                                                                  |
| "DISCONNECTED"             | USB is disconnected from the head unit. Please make sure the device is connected properly through USB.                                                                                                                                                                                                              |
| Spotify<br>"CONNECTING"    | <ul style="list-style-type: none"> <li>Connected via USB input terminal: The device is connecting to the head unit. Please wait.</li> <li>Connected via Bluetooth: The Bluetooth is disconnected. Please check Bluetooth connection and make sure both the device and the unit are paired and connected.</li> </ul> |
| "CHECK APP"                | The Spotify application is not connected properly, or user is not login. End the Spotify application and restart, then login to your Spotify account.                                                                                                                                                               |

## TROUBLESHOOTING

| Symptom                                                                            | Remedy                                                                                                                                                                                                                                                                  | Symptom                  | Remedy                                                                                                                            |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| No Bluetooth device is detected.                                                   | <ul style="list-style-type: none"> <li>Search from the Bluetooth device again.</li> <li>Reset the unit. (➔ 3)</li> </ul>                                                                                                                                                | "DEVICE FULL"            | The number of registered devices has reached its limit. Retry after deleting an unnecessary device. (➔ 18, <b>DEVICE DELETE</b> ) |
| Bluetooth pairing cannot be made.                                                  | <ul style="list-style-type: none"> <li>Make sure you have entered the same PIN code to both the unit and Bluetooth device.</li> <li>Delete pairing information from both the unit and the Bluetooth device, then perform pairing again. (➔ 14)</li> </ul>               | "N/A VOICE TAG"          | Make sure the same voice as the registered voice tag is used.                                                                     |
| Echo or noise is heard during a phone conversation.                                | <ul style="list-style-type: none"> <li>Adjust the microphone unit's position. (➔ 13)</li> <li>Check the <b>[ECHO CANCEL]</b> setting. (➔ 16)</li> </ul>                                                                                                                 | "NOT SUPPORT"            | The connected phone does not support Voice Recognition feature or phonebook transfer.                                             |
| Phone sound quality is poor.                                                       | <ul style="list-style-type: none"> <li>Reduce the distance between the unit and the Bluetooth device.</li> <li>Move the car to a place where you can get a better signal reception.</li> </ul>                                                                          | "NO ENTRY"/"NO PAIR"     | There is no registered device connected/found via Bluetooth.                                                                      |
| Voice calling method is not successful.                                            | <ul style="list-style-type: none"> <li>Use voice calling method in a more quiet environment.</li> <li>Reduce the distance from the microphone when you speak the name.</li> <li>Make sure the same voice as the registered voice tag is used.</li> </ul>                | "ERROR"                  | Try the operation again. If "ERROR" appears again, check if the device supports the function you have tried.                      |
| Sound is being interrupted or skipped during playback of a Bluetooth audio player. | <ul style="list-style-type: none"> <li>Reduce the distance between the unit and the Bluetooth audio player.</li> <li>Turn off, then turn on the unit and try to connect again.</li> <li>Other Bluetooth devices might be trying to connect to the unit.</li> </ul>      | "NO INFO"/"NO DATA"      | Bluetooth device cannot get the contact information.                                                                              |
| The connected Bluetooth audio player cannot be controlled.                         | <ul style="list-style-type: none"> <li>Check whether the connected Bluetooth audio player supports Audio/Video Remote Control Profile (AVRCP). (Refer to the instructions of your audio player.)</li> <li>Disconnect and connect the Bluetooth player again.</li> </ul> | "HF ERROR XX"/"BT ERROR" | Reset the unit and try the operation again. If this does not solve the problem, consult your nearest service center.              |
|                                                                                    |                                                                                                                                                                                                                                                                         | "SWITCHING NG"           | The connected phones might not support phone switching feature.                                                                   |

## 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  
— KENWOOD original application  
— Any other latest information

Visit <[www.kenwood.com/cs/ce/](http://www.kenwood.com/cs/ce/)>.

#### Playable files

- Playable audio file for USB mass storage class device: MP3 (.mp3), WMA (.wma), AAC (.aac), AAC (.m4a), 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/audiofile/](http://www.kenwood.com/cs/ce/audiofile/)>

#### 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 1.5 A.

### About iPod/iPhone

- Via USB:  
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
- Via Bluetooth:  
Made for
  - iPod touch (5th and 6th 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.

### About Pandora

- Pandora is only available in certain countries.  
For more information, visit <<http://www.pandora.com/legal>>.
- 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](mailto:pandora-support@pandora.com).

## REFERENCES

### About Spotify

- Spotify application supports:
  - iPhone 4S, 5, 5S, 5C, 6, 6 Plus, 6S, 6S Plus, SE, 7, 7 Plus (iOS 8 or above)
  - iPod touch (5th and 6th generation)
  - Android OS 4.0.3 or above
- Spotify 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 functions of Spotify cannot be operated from this unit.
- For issues using the application, please contact Spotify at <www.spotify.com>.

### About Bluetooth

- Depending on the Bluetooth version of the device, some Bluetooth devices may not be able to connect to this unit.
- This unit may not work with some Bluetooth devices.
- Signal conditions vary, depending on the surroundings.

### Information to user

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

#### ▷ Class B device

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

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

### 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                        | KMM-BT304                                                                                                                                                                                                                                                      |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                    | Display information                                                                                                                                                                                                                                            |
| STANDBY                            | Source name (Date/Clock)*                                                                                                                                                                                                                                      |
| RADIO                              | Frequency (Date/Clock)*<br><br>(For FM Radio Data System stations only)<br>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/AAC/WAV/FLAC files)<br>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 USB/<br>iPod BT or<br>ANDROID | When [MODE OFF]/[BROWSE MODE] is selected (➡ 9):<br>Song title (Artist) ➡ Song title (Album name) ➡ Song title (Date/Clock)* ➡ Playing time (Date/Clock)* ➡ (back to the beginning)                                                                            |
| PANDORA/<br>PANDORA BT             | Station name (Date/Clock)* ➡ Shared/Radio station (Date/Clock)* ➡ Song title (Artist) ➡ Song title (Album title) ➡ Song title (Date/Clock)* ➡ Playing time (Date/Clock)* ➡ (back to the beginning)                                                             |
| SPOTIFY/<br>SPOTIFY BT             | Context title (Date/Clock)* ➡ Song title (Artist) ➡ Song title (Album name) ➡ Song title (Date/Clock)* ➡ Playing time (Date/Clock)* ➡ (back to the beginning)                                                                                                  |
| BT AUDIO                           | Song title (Artist) ➡ Song title (Album name) ➡ Song title (Date/Clock)* ➡ Playing time (Date/Clock)* ➡ (back to the beginning)                                                                                                                                |
| AUX                                | Source name (Date/Clock)*                                                                                                                                                                                                                                      |

\* Battery and signal strength of the Bluetooth device will be shown if [BATT/SIGNAL] is set to [AUTO]. (➡ 16)