

# Romain®

CAR AUDIO

**DM-B5285USB**

CD/MP3/USB/SD/MMC PLAYER WITH FM/AM TUNER

**Operating Instructions**

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## Safety Information

Thank you for purchasing this product. Please read this manual carefully before operating and reserve it for future reference.

### PRECAUTIONS

- Use only in a 12-volt DC negative-ground electrical system.
- When replacing the fuse, be sure to use one with an identical amperage rating.  
Using a fuse with a higher amperage rating may cause serious damage to the unit.
- DO NOT attempt to disassemble the unit.  
Laser beams from the optical pickup are dangerous to the eyes.
- Make sure that pins or other foreign objects do not get inside the unit, they may cause malfunctions, or create safety hazards such as electrical shock or laser beam exposure.
- If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.
- Keep the volume at a level at which you can hear outside warning sound (horns sirens, etc.).

### CD Notes

- Playing a defective or dusty CD can cause dropouts in sound.
- Hold CDs as illustrated.
- Do not touch the unlabeled side.
- Do not attach any seal, label or data



protection sheet to either side of a disc.

- Do not expose a CD to direct sunlight or excessive heat.
- Wipe a dirty CD from the center outward with a cleaning cloth.  
Never use solvents such as benzene or alcohol.
- This unit cannot play 3-inch ( 8cm ) CDs.  
NEVER insert a 3-inch CD contained in the adapter or an irregularly shaped CD.  
The unit may not be able to eject it, resulting in malfunction.

### Before Operation

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

### CAUTION

- DO NOT open covers and do not repair yourself.  
Consult the dealer or an experienced technician for help.

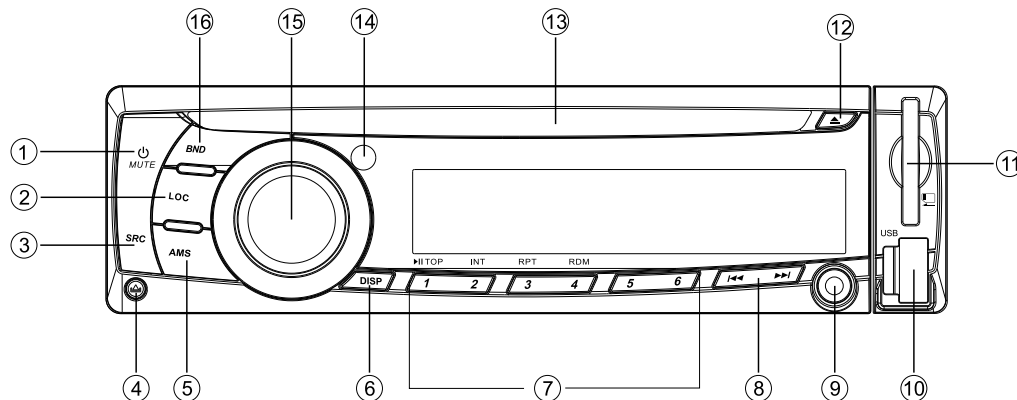
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\* In addition to ordinary CDs, this unit can playback CD-R or CD-RW, MP3.

## Panel Controls

**Power on :** Press any button on the panel except  and  to turn on the unit.



1. - Power on / off (long press)

- Mute

2. - Radio local/distant

3. SRC

- Radio

- Disc play (when disc inserted)

- USB (when USB connected)

- Card (when SD/MMC card inserted)

- Aux-in

4. - Panel release

5. - AMS: Radio preset scan/Radio auto preset

- SEARCH: MP3 track/file/character search

6. - Time display/adjust

7. Disc playback

- Button 1: Play/Pause

Top play (press more than 2 sec.)

- Button 2: Intro play (10 sec.)

- Button 3: Track repeat play

- Button 4: Track random play

- Button 5: - MP3 folder down (If there are more than 1 folders)

- MP3 track -10 down (long press)

- Button 6: - MP3 folder up (If there are more than 1 folders)

- MP3 track +10 up (long press)

Radio preset 1~6

- Press to tune in a preset station.

- Hold for more than 2 seconds to store station.

8. - Radio tune

- Track seek

9. - Aux-in jack

10. - USB connector

11. - SD/MMC card slot

12. - Disc eject

13. - Disc slot

14. - Remote sensor

15. - Rotate the knob to adjust volume level.

- Push to select VOL/BAS/TRE/BAL/FAD, rotate the knob to adjust level.

- Press more than 2 seconds to enter menu mode.

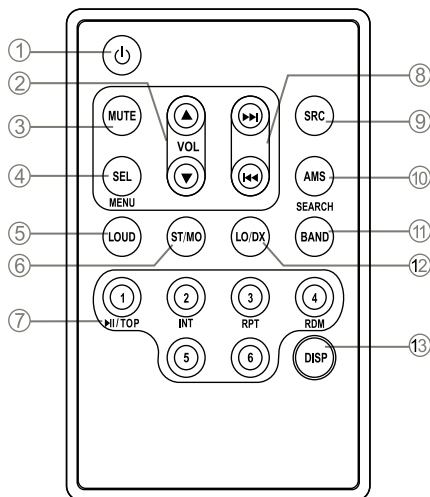
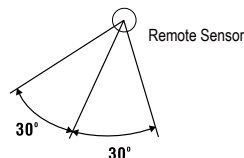
16. - Band switch:

FM1,FM2,FM3,MW1(AM1),MW2(AM2)

# Remote Controls

## Operating range

Point the remote control unit to the remote sensor when you operate with it.  
The remote control can operate within a distance of 3~5m.

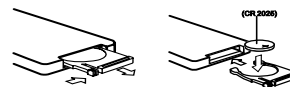


1. - Power on/off
2. - Volume
3. - Mute
4. - Press to select VOL/BAS/TRE/BAL/FAD, use volume button to adjust level.  
- Press and hold it to enter Menu mode.
5. - Loudness
6. - FM stereo/mono
7. - Disc Playback  
Button 1: - Play/Pause  
- Top play (press more than 2 sec)  
Button 2: - Intro play (10 sec)  
Button 3: - Track repeat play  
Button 4: - Track random play  
Button 5: - MP3 folder down  
- MP3 track -10 down (long press)  
Button 6: - MP3 folder up  
- MP3 track +10 up (long press)
- Radio Preset  
Press to listen to a preset station.  
Press and hold to store station.
8. - Radio tune/Track seek
9. - Radio/Disc (when disc is in)/USB (when USB is connected)/Card(SD/MMC card inserted)/Aux-in
- 10.-AMS: Radio preset scan/Radio auto preset  
- SEARCH: MP3 track/file/character search
- 11.-Band switch: FM1, FM2, FM3, MW1, MW2
- 12.-Radio local/distant
- 13.-Display switch

## Replacing the lithium battery of remote control unit.

When the range of the operation of the card remote control becomes short or no functions while operating. Replace the battery with a new lithium battery. Make sure the battery Polarity replacement is correct.

1. Pull out the battery holder while pressing the stopper.
2. Insert the button-type battery with the stamped(+) mark facing upward.  
Insert the battery holder into the remote control.





## WARNING:

- Store the battery in place where children cannot reach. If a child accidentally swallowed the battery, consult a doctor immediately.
- Do not recharge, short, disassemble or heat the battery or dispose it in a fire. Doing this may cause the battery to give off heat, crack or start a fire.
- Do not leave the battery with other metallic materials or poke the battery with tweezers or similar tools.
- When throwing away or saving the battery, wrap it in tape and insulate.

## General Operation

### Power On/Off Button

Press the /MUTE button to turn the unit on when the vehicle ignition switch is on. Press and hold the /MUTE button to turn the unit off.



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### Adjust Volume level

Rotate the VOL control to adjust volume level. Rotate it clockwise to increase and anticlockwise to decrease the volume.

---

### Audio Mute

Press the /MUTE button to mute the volume from the system. "MUTE" will appear on the display panel and the volume will be muted. Press the /MUTE button again to return the volume level to the setting in use before the Mute function was activated.

---

### Audio Controls

To adjust the bass, treble, balance and fader, press the VOL control until the appropriate audio control appears on the display panel. Within five seconds, rotate the VOL control to adjust the audio settings for the selected function.

### Mode Button (SRC)

Press the SRC button to change between Radio, DISC (when disc is in), USB (when USB is connected), Card (when SD/MMC card is in) or AUX play, etc.

---

### Auxiliary Input

To access an auxiliary device:

1. Connect the portable audio player to the AUX interface on the front panel.
2. Press the SRC button to select Aux-In mode.

Press SRC again to cancel Aux-In mode and go to the next mode.

---

### Setting the Clock

The correct time of day can be set by pressing and holding the DISP button.

To set the clock, perform the following steps:

1. Turn the vehicle ignition and radio on.
2. Press the DISP button to view the clock.
3. With the clock visible on the display, press and hold the DISP button until the time display flashes.
4. Within 5 seconds, rotate the VOL control counter clockwise to adjust the minutes to the desired setting. To change the hour, rotate the VOL control clockwise to adjust the hour to the desired time.


## Tuner Operation


### Band

During radio play, press the BAND button to choose between three FM, two MW bands. The indication "MW", "FM" appears on the display panel according to your selection.

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### Up Tuning


Press the seek up  button to tune stations upward step-by-step. The current frequency will be shown in digital format on the display panel.

Press and hold the seek  button to the next available station.

---

### Down Tuning

Press the seek down  button to tune stations downward step-by-step.

Press and hold the seek down  button to the previous available station.

---

### Auto Store

Press the AMS button to scan preset stations 1-6. Hold it to automatically select six strong stations and store them in the current band. The new stations replace stations already stored in that band.

# CD Player Operation

## Inserting a Disc

With the label surface facing up, fully insert a compact disc into the disc slot until the mechanism engages and pulls the disc in. Play will automatically begin from the first track on the disc.

NOTE: The unit is designed for play of standard 5" (12 cm.) compact discs only. Do not attempt to use 3" (8 cm.) CD singles in this unit, either with or without an adaptor, as damage to the player and/or the disc may occur.

## Disc Eject Button

Press the eject button to stop disc play and eject the disc. The unit will revert to radio operation. Discs may be ejected with the vehicle ignition switch on or off. If an ejected disc is not removed from the disc slot within 10 seconds of being ejected, the disc will be re-inserted automatically.

NOTE: To prevent a disc from accidentally being damaged, always remove the disc from the unit when disc play is finished.

## CD Play/Pause Selector

Press the 1/>||TOP button to freeze disc playback. Press 1/>||TOP again to resume disc playback.

## Seek Up/Next Track

Press the next track >>| button during disc play to select the beginning of the next track.

## Seek Down/Previous Track

Press the previous track |<< button during disc play to select the beginning of the current track. Press twice to select the beginning of the previous track.

## Cue/Review Functions

High-speed audible search to any section of the disc can be made by the Cue and Review functions. Press and hold the next track >>| button to advance rapidly in the forward direction or the previous track |<< button to advance rapidly in the backward direction.

## Intro Play Selector

During disc play, press the 2/INT button to select "INT ON", and play the first 10 seconds of each track. When a desired track is reached, press the 2/INT button to select "INT OFF" and play the current track.

## Track Repeat Play Select

During disc play, press the 3/RPT button to select "RPT TRK" and repeatedly play the selected track. Repeat play will continue until 3/RPT is pressed to select "RPT OFF".

## Random Play Select

During disc play, press the 4/RDM button to select "RDM ON" and play all tracks on the disc in random, shuffled order. In Random Play mode, you can press the |<< / >>| buttons to select tracks in a random order instead of the normal progression. Press 4/RDM again to select "RDM OFF" and cancel Random Play mode.

# Playing MP3/WMA Files

## Display Information

During playback, ID3 tag information display scrolling on the screen: FOLDER, FILE, ALBUM, TITLE, ARTIST and Track Number / Elapsed Time.

## Folder Up/Down

Press the 5 button to go to the previous folder.  
Press the 6 button to go to the next folder.

## Direct Song/File Access

1. Press the AMS button once and press the knob to enable direct track searching.
2. Rotate the VOL control to select a digit.
3. Press the VOL control to confirm entry and the tens digit will flash.
4. Rotate the VOL control to select digit.
5. Repeat above steps to enter the hundreds and thousands digit, if necessary.  
NOTE: The unit will only allow the selection of digits that correspond with the number of files on the media you are searching.
6. Once the track number appears on the screen, long press the VOL control to play the selected song/file.

## Searching Folders/Files

1. Press the AMS button twice and press the knob to access the file search option.
2. Rotate the VOL control to select the desired

directory/song.

3. Press the VOL control to view the files inside the selected directory.
4. Rotate the VOL control to select the song/file. Long press the VOL control to play the selected song/file.

## Searching by Name (CHAR-SCH)

1. Press the AMS button three times and press the knob to access the character search option.
2. Rotate the VOL control to select the characters A-Z, \_, -, +, and 0-9 for the first character.
3. Press the VOL control to confirm entry of the character and move to the next position.
4. Repeat for up to eight characters.

## MP3 Overview

- MP3 is short for MPEG Audio Layer 3 and refers to an audio compression technology standard.
- This product allows playback of MP3 files on CD-R or CD-RW discs.
- The unit can read MP3 files written in the format compliant with ISO 9660. However it does not support the MP3 data written by the method of packet write.
- The unit can not read an MP3 file that has a file extension other than “.mp3”.
- If you play a non-MP3 file that has the “.mp3” extension, you may hear some noise.

- In this manual, we refer to what are called “MP3 file” and “folder” in PC terminology as “Track” and “Album”, respectively.
- Maximum number of directory level is 8, including the root directory. Maximum number of files and folders per disc is 256.
- The unit may not play tracks in the order of track numbers.
- The unit plays only the audio tracks if a disc contains both audio tracks and MP3 files.
- When playing a disc of 8kbps or VBR\*, the elapsed playing time in the display window will not be correct and also the intro play may not function properly.  
\*VBR: Variable Bit Rate.

## Note on creating your own CD-Rs or CD-RWs containing MP3 files

- To enjoy high quality sound, we recommend converting to MP3 files with a sampling frequency of 44.1 kHz and a fixed bit rate of 128 kbps.
- DO NOT store more than 256 MP3 files per disc.
- For ISO 9660-compliant format, the maximum allowable depth of nested folders is 8, including the root directory(folder).
- When CD-R disc is used, playback is possible only for discs which have been finalized.
- Make sure that when MP3 CD-R is burned that it is formatted as a data disc and NOT

## Playing MP3/WMA Files

- as an audio disc.
- You should not write non-MP3 files or unneeded folders along with MP3 files on the CD-R otherwise it takes a long time until the unit starts to play MP3 files.
- With some CD-R media, data may not be properly written depending on their manufacturing quality. In this case, data may not be reproduced correctly. High quality CD-R disc is recommended.
- Up to 16 characters are displayed for the name of an Album or a Track. ID3 TAG version 1.x is required.
- Note that the unit may not play tracks in the order that you wrote them to the disc.

## Menu Function

Press and hold the VOL knob more than 2 seconds to enter menu mode , then each press changes the mode as follows:

DSP mode->LOUD ON/OFF->BEEP ON/OFF->SEEK 1/2 mode->STEREO/MONO mode(Radio mode)->VOL mode->A-VOL mode->12/24 HOURS mode

### DSP mode:

Rotate the VOL knob to choose DSP sound effect:

POP->ROCK->CLASSIC->FLAT-> DSP OFF

### LOUD ON/OFF

Rotate the VOL knob to choose loudness on or off.

### BEEP ON/OFF:

Rotate the VOL knob to choose beep sound on or off.

### SEEK 1/2 mode:

Rotate the VOL knob to choose radio seek mode 1 or 2 .

SEEK 1: Searching station will stop when next station is received.

SEEK 2: Searching station will stop when ◀◀ or ▶▶ button is released and next station is received.

### STEREO/MONO mode (Radio mode)

Rotate the VOL knob to choose FM stereo or mono.

### VOL mode:

VOL LAST: the turn-on volume level is the volume level of latest power off.

VOL ADJ: At volume adjust mode, press the knob to enter A-VOL mode, then rotate the knob to set the turn-on volume level.

### A-VOL mode:

Rotate the VOL knob to select volume. The adjustable range of volume is 0 to 47.

### 12/24 HOURS mode:

Rotate the VOL knob to select 12 or 24 hour mode.



## USB/SD/MMC MP3 Playback

### 1. Loading SD/MMC Card

Insert the SD/MMC card into the slot, with the front side at right.  
The unit will play the music automatically and the LCD will show CARD.

### 2. Take out SD/MMC Card

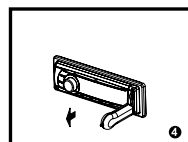
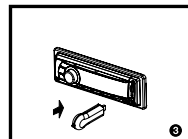
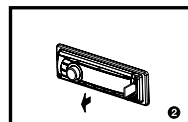
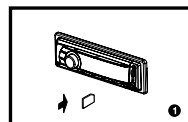
Push SRC button and switch to non CARD mode, slightly press SD/MMC card, take out the card when it was popped out.

### 3. Loading USB equipment

Open the rubber cap, insert the USB into the connector and the unit play the music in the USB storer automatically, and the LCD will show USB.

### 4. Take out USB equipment

Push the SRC button and switch to non USB mode, then take off the USB storer, close the rubber cap.



## USB/SD/MMC Notes

USB functions (flash memory type) MP3 music play

1. SD/ MMC card support.

2. USB flash memory 2 in 1 (SD/MMC ) support.

3. Fat 12/fat 16/fat 32 is possible.

4. File name : 32 byte/dir name : 32 byte/tag name : 32 byte

5. Tag (ID3 tag ver 2.0)

- title/artist/album : 32 byte support.

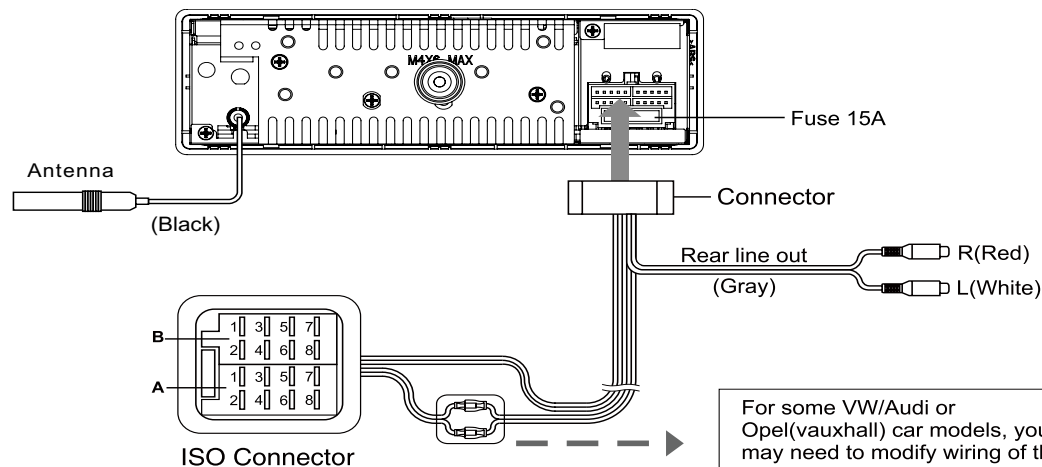
6. Multi card reader not support.

7. USB 1.1 support, USB 2.0 support (It can not support USB 2.0 speed. Just, get the same speed with USB 1.1).

Not all kinds of USB devices are compatible with the unit.

# Electrical Connections

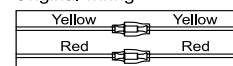
## Wiring Diagram



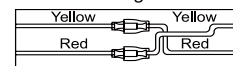
| Location | Function                                 |   |
|----------|--|---|
|          | Connector A                              | Connector B                               |
| 1        |  | Rear Right (+) / Purple                   |
| 2        |  | Rear Right (-) / Purple with Black Stripe |
| 3        |  | Front Right (+) / Gray                    |
| 4        | Battery 12V(+) / Yellow                  | Front Right (-) / Gray with Black Stripe  |
| 5        | ANT/AMP control / Blue with white stripe | Front Left(+) / White                     |
| 6        |  | Front Left(-) / White with Black Stripe   |
| 7        | ACC+ / Red                               | Rear Left (+) / Green                     |
| 8        | Ground / Black                           | Rear Left (-) / Green with Black Stripe   |

For some VW/Audi or Opel(vauxhall) car models, you may need to modify wiring of the supplied power cord as illustrated, or else the memory of the unit may be lost after you power off. Contact your authorized car dealer before installing this unit.

Original wiring



Modified wiring



# Installation Guide

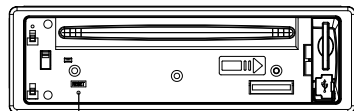
## Installation Procedures

First complete the electrical connections, and then check them for correctness.

### Reset

Press the RESET button with a pointed object to reset the unit to the original status.

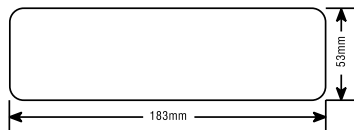
Note: Press the RESET button will erase the clock setting and stored stations.




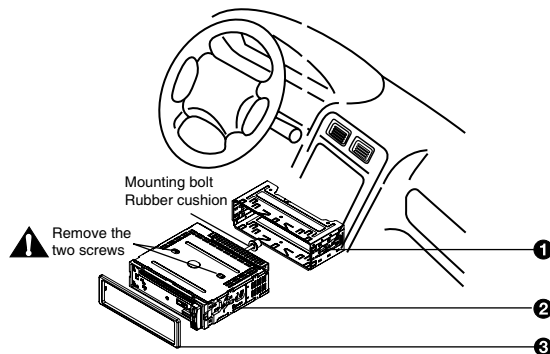
RESET

### Installation Opening

This unit can be installed in any dashboard having an opening as shown below. The dashboard should be 4.75mm - 5.56mm thick in order to be able to support the unit.



**Important:**  
 Remove these two screws before installation. Otherwise, the player will not work.



#### 1. Insert mounting collar into the dashboard, and bend the mounting tabs out with a screwdriver.

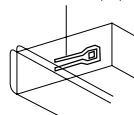
Make sure that lock lever(※) is flush with the mounting collar. (Not projecting outward)

#### 2. Secure the rear of the unit.

After fixing mounting bolt and power connector, fix the rear of the unit to the car body by rubber cushion.

#### 3. Insert trim plate.


Lock lever(※)



## Anti-Theft System

This unit is equipped with a detachable panel. Removing this panel makes the radio totally inoperable.

### Remove the detachable panel

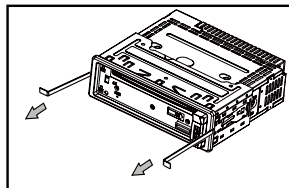
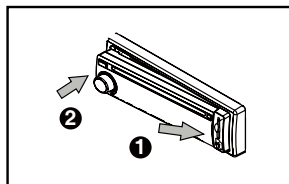
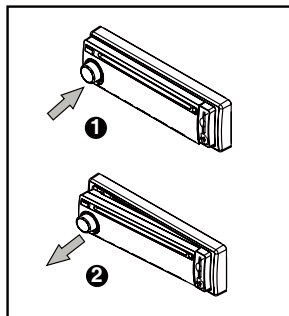
1. Press  button.
2. Hold the part popped out and pull the panel out.
3. Gently press the button of the case and open the cover. Place the panel into the case and take it with you when you leave the car.

### Install detachable panel

1. Fix right part of face plate in the right part of panel slot of the unit.
2. Press down the left side of the face plate until it clicks into the panel slot of the unit.

### Remove the unit

1. Switch off the power of the unit.
2. Remove the panel and the trim plate.
3. Insert both L-Keys into the hole on the front of the set until they lock.
4. Pull out the unit.



## Troubleshooting

If you suspect something is wrong, immediately switch power off. Do not use the unit in abnormal condition, for example without sound, or with smoke or foul smell, can cause fire or electric shock. Immediately stop using it and call the store where you purchased it. Never try to repair the unit yourself because it is dangerous to do so.

| General               |                                     |                                   |
|-----------------------|-------------------------------------|-----------------------------------|
| No power or no sound. | Car's engine switch is not on.      | Turn your car's key to ACC or ON. |
|                       | Cable is not correctly connected.   | Check connection.                 |
|                       | Fuse is burnt.                      | Replace fuse.                     |
|                       | Volume is too low or muted.         | Check volume or mute on / off.    |
|                       | If the above solutions cannot help. | Press the RESET button.           |

| Radio                    |  |  |
|--------------------------|--|--|
| Much noise in broadcast. | Station is too far, or signals are too weak. | Select other stations of higher signal level.                  |
| Preset station lost.     | Battery cable is not correctly connected.    | Connect the battery cable to the terminal that is always live. |

| Disc                                   |                             |   |
|--|-----------------------------|---|
| Disc is inside but no sound.           | Disc is upside down.        | Place disc in the correct direction, and the label side up. |
|  | Disc is dirty or damaged.   | Clean disc or change another disc.                          |
| Disc sound skips, tone quality is low. | Disc is dirty or damaged.   | Clean CD or change another CD.                              |
| Sound skips due to vibration.          | Mounting angle is over 30°. | Adjust mounting angle to less than 30°.                     |
|  | Unstable mounting.          | Mount the unit securely with the mounting parts.            |

| USB/SD/MMC mode                               |  |   |
|---|--|---|
| Unable to insert USB device or SD/MMC card.   | The memory card or USB device has been inserted the wrong way round. | Insert it the other way around.   |
| The USB device or SD/MMC card cannot be read. | NTFS format is not supported.  | Check that the file system is in FAT or FAT32 format. Due to different formats, some models of devices may not be read. |

## Specifications

| General                     |   |
|-----------------------------|---|
| Power supply:               | 12V DC (11V-16V)                                    |
|                             | Test voltage 14.4V, negative ground                 |
| Max.current consumption     | 12A   |
| Maximum power output:       | 50Wx4 channels                                      |
| Continuous power output:    | 20Wx4 channels (4 $\Omega$ ,10% T.H.D.)             |
| Suitable speaker impedance: | 4-8 ohm   |
| Pre-Amp output voltage:     | 2.0V (CD play mode: 1KHz, 0 dB, 10 K $\Omega$ load) |
| Fuse:                       | 15A   |
| Dimensions(WxHxD):          | 178x50x155mm  |
| Weight:                     | 1.8kg   |
| Aux-in:                     | $\geq$ 300mV  |

| FM Stereo Radio                 |                |
|---------------------------------|----------------|
| Frequency range:                | 87.5-108.0 MHz |
| Usable sensitivity:             | 8 dB $\mu$     |
| Quieting sensitivity(S/N=50dB): | 12 dB $\mu$    |
| Frequency response:             | 30Hz-15kHz     |
| Stereo separation:              | 30dB (1kHz)    |
| Image response ratio:           | 50dB           |
| IF response ratio:              | 70dB           |
| Signal/noise ratio:             | 55dB           |

| MW(AM) Radio                  |                           |
|-------------------------------|---------------------------|
| Frequency range:              | 522-1620 KHz              |
| Usable sensitivity(S/N=20dB): | 30 dB $\mu$               |
|                               |                           |
| Disc Player                   |                           |
| System:                       | Disc digital audio system |
| Frequency response:           | 20Hz-20kHz                |
| Signal/noise ratio:           | >80 dB                    |
| Total harmonic distortion:    | Less than 0.20% (1kHz)    |
| Wow and flutter:              | Below measurable limits   |
| Channel separation:           | >55 dB                    |

| Components                |   |
|---------------------------|---|
| Mounting sleeve           | 1 |
| Machine screws M5x6mm     | 4 |
| Mounting bolt (50mm)      | 1 |
| Removable face plate case | 1 |
| Trim plate                | 1 |
| L-key                     | 2 |
| Operating instructions    | 1 |
| Rubber cushion            | 1 |
| Remote control unit       | 1 |

Note: Specifications and the design are subject to change without notice due to improvements in technology.

