


USE AND INSTALL MANUAL

**CD/MP3/CD-R/CD-W PLAYER
WITH AM/FM STEREO DIGITAL PLL TUNING RADIO**

TO OPERATE THE UNIT CORRECTLY, PLEASE READ THE OWNER'S MANUAL CAREFULLY BEFORE USING THE UNIT. KEEP THESE INSTRUCTIONS AND RETAIN THIS BOOKLET FOR FUTURE REFERENCE.

SIMPLE TROUBLE SHOOTING GUIDE

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PROBLEM	CAUSE/SOLUTION
No power	Check and make sure whether the fuse is blown. Replace with the proper value if necessary
Some errors occur in the LCD or no function When pressing the button	Press the RESET button.
Unable to receive stations	Check and make sure whether the antenna is inserted or the antenna is properly connected. If so. Insert the antenna or connect it properly.
Poor effect on receiving.	Antenna may not be the proper length. Make sure the antenna is fully extended or broken. If broken. Replace the antenna with a new one. The broadcasting signal is too weak The antenna is poorly grounded check and make sure the antenna is properly grounded at its mounting location.
ACD cannot be loaded.	ACD is loaded in the mechanism.
The stereo indicator  is flashing	Tune in the frequency accurately The broadcasting signal is too weak. (Set to the MONO mode)
No picture	The video line from main unit to the TV is not connected properly.
The picture noise appears	Improper setting of the color system. Set the color system to PAL or NTSC. according to the connected television. The CD is dirty or damaged.

NOTE:

If any of the problem persist after check list had been made, consult your nearest service dealer. Never attempt to disassemble your unit by yourself.

SPECIFICATION

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General

Power requirements	DC10V-14.4V
Load impedance	4×4Ω
Max. power output	62W×4 or 45W×4
Tone controls	± 8dB

CD Player

Signal to noise ratio	More than 65 dB
Channel separation	More than 45dB
Frequency response	40Hz-18kHz

Audio section

Maximum Output level	1.5Vrms(± 3dB)
Frequency response	20H to 20KHZ
Signal-to-noise ratio	60dB
Separation	50dB

AM tuner section

Frequency range	522-1620(Europe/China);530-1710(USA)
IF range	450KHZ
Usable sensitivity(-20dB)	25dB

FM tuner section

Tunning range	87.5-108(Europe/China); 87.5-107.9(USA)
IF range	10.7MHZ
Usable sensitivity	15dB
Signal-to-noise ratio	50dB
Stereo separation	30dB(1KHZ)
Frequency response	30-15KHZ

NOTE: Due to continuous product improvement, specifications and design are subject to change without notice.

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NOTES ON INSTALLATION

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- The unit is designed for 12V DC negative ground operation system only. Before installing the unit, make sure your vehicle is connected to DC 12V negative ground electrical system.
- The negative battery terminal must be disconnected before making connections. By doing so, it can reduce the chance of damaging the unit due to short circuit.
- Be sure to connect the color coded leads correctly according to the wiring diagram. Incorrect connections may cause the unit malfunction or damage the vehicle's electrical system.
- Be sure to connect the speaker(-) leads to the speaker(-) terminal. Never connect the left and right channels speaker wire each other or to the vehicle body.
- Do not block vents or radiator panels of the unit. Blocking them will cause heat to build up inside the unit and may cause damage or fire.
- After the completion of installation (or after replacing the battery of vehicle), make sure to press the RESET button on the front panel of the unit with pointed object (such as ball-point pen) to set the unit to its initial status.

REPLACING THE BATTERY

REPLACING THE BATTERY

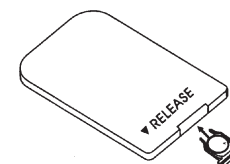
When the range of the operation of the remote control handset becomes short or no function while operating, replace the battery with a new button cell. Make sure the battery polarity before replace. Please refer to the following procedures for replacing the battery.



Pull out the battery holder while pressing the stopper.



Put the button cell type battery mark(+) upward into the battery holder.

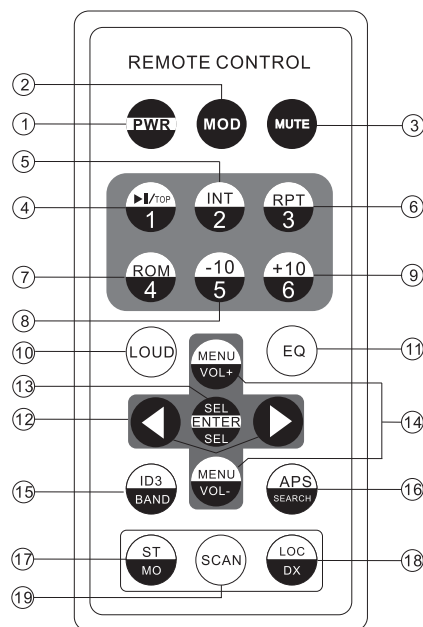


Insert the battery holder into the remote control handset.

LOCATION OF THE REMOTE CONTROL

LOCATION OF THE REMOTE CONTROL


- 1.Power on/off control
- 2.Mode selector
- 3.Mute control
- 4.Pause button
- 5.Intro play button
- 6.Track repeat button
- 7.Random play button
- 8.Track down button
- 9.Track up button
- 10.Loud control
- 11.EQ button
- 12.Scan control
- 13.Audio control/function selector
- 14.Volume control
- 15.Band selector
- 16..Auto memory store & scan control
- 17.Stereo/MONO selector(optional)
- 18.LO/DX selector
- 19.Scan control



PRECAUTIONS

PRECAUTIONS

- This unit can play the following discs only:

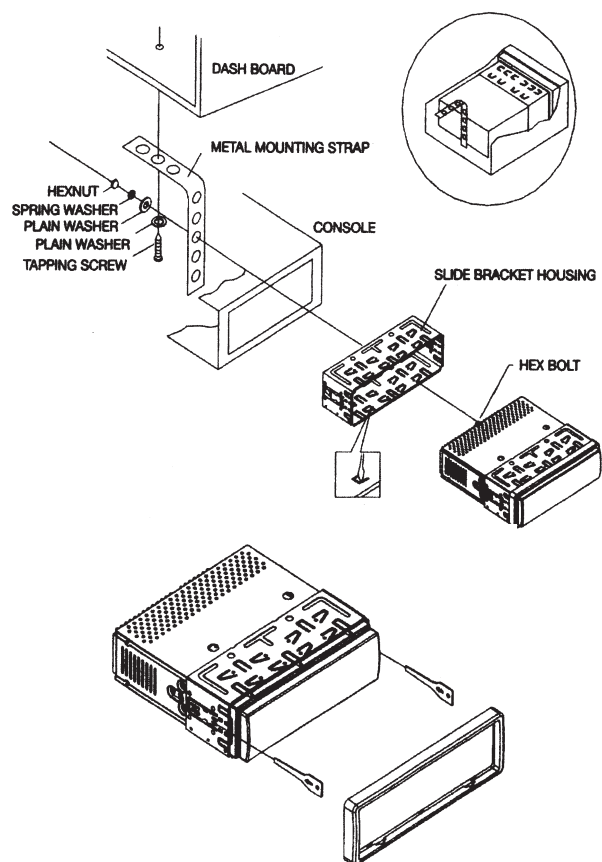
Type of disc	Label on the disc	Recorded materia	Size of disc
MP3	MP3	Sound only	12cm/8cm
CD		Sound only	12cm/8cm

- Do not attempt to modify the unit, modifying the unit may cause the malfunction and damage the unit.
- Stop the vehicle before carrying out any operation that could interfere with your driving.
- Do not work in extreme high or low temperature. The normal temperature for operation is between +60 °C and -20 °C.
- To enjoy optimum sound and images while playing, handle the discs as follows:
 - ~hold the discs by the edge so the surface will not be damages with finger prints.
 - ~do not attach label or sticker to the discs surface
 - ~do not put paste residue or ink on the surface of discs
 - ~wipe the discs with a dry soft cloth from the center hole toward the outer edge
 - ~do not bend the discs
 - ~do not store the discs in the following places: areas exposed to direct sunlight, humid or dusty

INSTALLATION

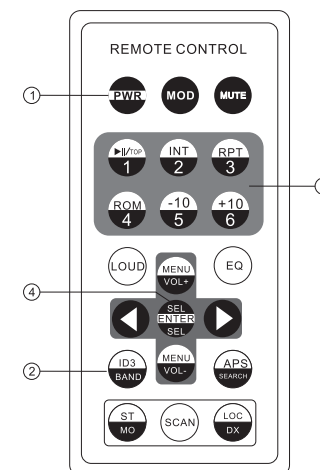
INSTALLATION

This unit can be properly installed either from FRONT(Conventional DIN front mount) or REAR(DIN Rear-mount installation, utilizing threaded screw holes at the sides of the unit chassis). For details, refer to the following illustrated installation methods.



BLUETOOTH OPERATIONS(OPTIONAL)

BLUETOOTH OPERATIONS(OPTIONAL)



1. POWER
2. HANG UP
3. NUMBER BUTTONS
4. MAKE OR ANSWER CALLS

1. Short press “POWER” button, “BLUETOOTH” will showed on the unit's screen.
2. Open the Bluetooth of your mobile phone, then select the searching hand-free device, press confirm button, mobile phone will shows “researching”. If connected with Bluetooth, mobile phone will show “CAR-BT”, press confirm button again, mobile phone will show inputting passwords, passwords are “0000”,press confirm again.
3. To keep good conversation effect, better to keep more than 35CM distance away from Bluetooth speaker, or will appear noisy and echo. Best distance should be between 35-50 CM.
4. Press “SEL” button directly when answer or make phone call, or short press “VOL” button, press “BAND” when hang up.

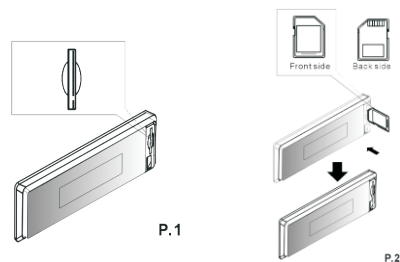
NOTE: Some panel buttons are of same functions as the remote control buttons.

SD/MMC CARD OPERATIONS

SD/MMC CARD OPERATIONS

Insert the SD/MMC card into the card slot in the correct direction until a <CLICK> sound is heard.

The display will show <MEM-CARD> to indicate that the SD or MMC card is correctly inserted. Once the SD or MMC card is inserted. It will automatically switch to SD/MMC playback mode & MP3 files will automatically loaded & playback will also start. (p. 1)



Push on the end of the SD or MMC card to eject the SD or MMC card. Once the SD or MMC card is taken out, the unit will automatically switch to radio mode.

User can use the mode button to choose SD/MMC mode (only if SD or MMC is inserted in the unit) or any other modes, when they are in any mode.

All the SD/MMC files playback function is same as normal CD or MP3 disc playback.

● **PLAY PRIORITY**

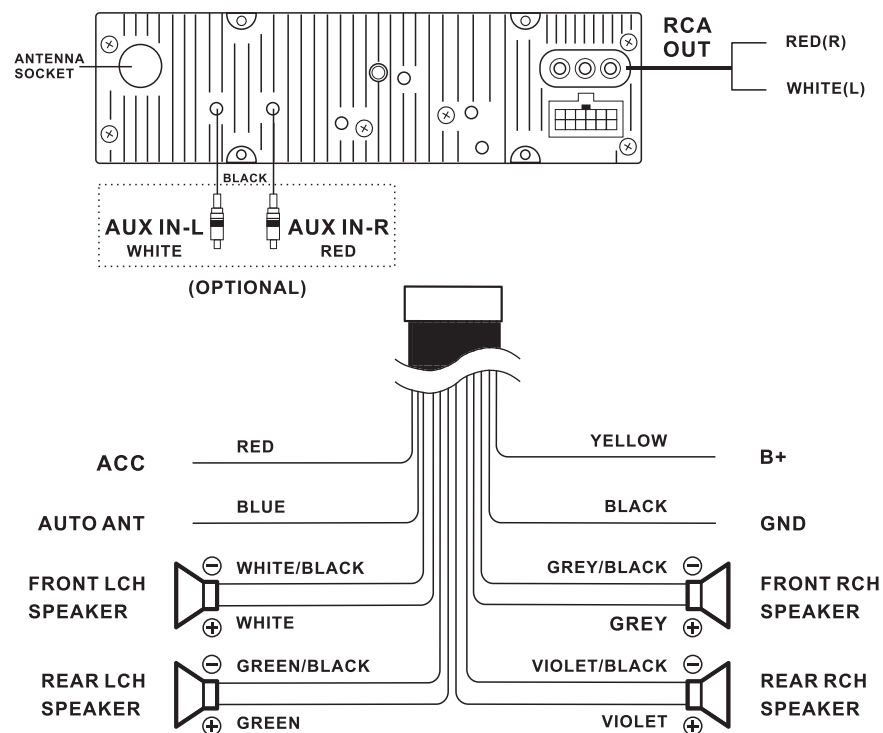
Does not matter the unit is in what mode (tuner, CD, USB, Once a SD or MMC card) is being inserted in the unit, unit will automatically switch to SD/MMC mode.

● **WARNING**

Please make sure to insert the SD or MMC card into the correct direction/orientation as indicated in picture (P.2). Wrong insert will cause permanent & serious damage to the unit & the SD or MMC card.

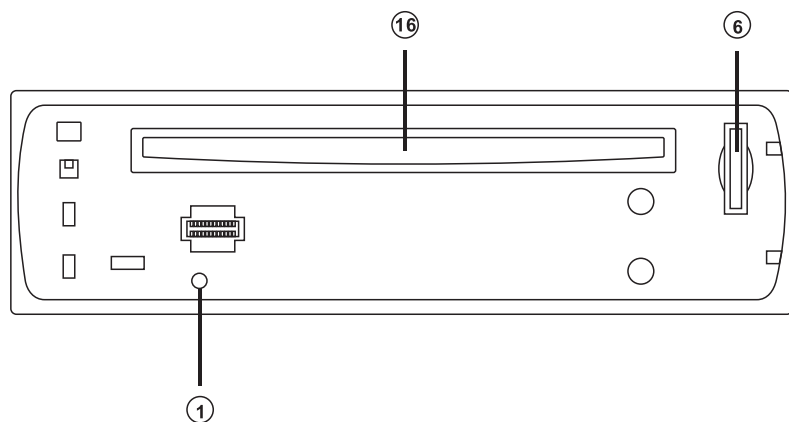
WIRING DIAGRAM

WIRING DIAGRAM



CONTROL LOCATIONS

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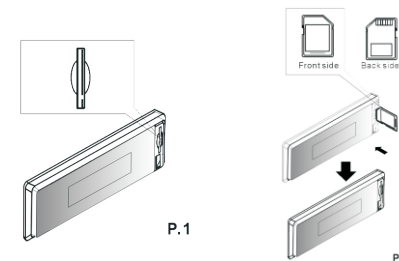
- | | |
|---------------------------------------|-----------------------------|
| 1. Reset button | 11. Tuning/selecting tracks |
| 2. Power button | 12. Preset stations/APS |
| 3. Volume Control | 13. Mode switch |
| 4. Selector button | 14. Number button |
| 5. USB connector | 15. Eject button |
| 6. MINI SD card connector | 16. CD slot |
| 7. Time-Displaying & adjusting button | 17. LCD display |
| 8. Mute button | 18. Release button |
| 9. Remote control receptor | 19. LED lamp |
| 10. Play/pause/band selector | 20. Ball button |

USB DRIVE OPERATIONS

USB DRIVE OPERATIONS

● COMPATIBILITY

Due to the fast changing technology world, this unit may or may not be compatible to all the USB drive/device available with all the future technology, especially those USB drive/device which require to install a driver. Always choose a compatible USB drive device which is compatible with this unit.



● PLAYING MP3 FILE FROM USB DRIVE/DEVICE

Plug in the USB drive/device completely in the correct direction/orientation, and display will show <USB-DRIV> to indicate that USB drive/device is being plugged in correctly & the download has begun. (P.2)

NOTE:

The unit may take a while to detect or download the USB files, detect & download time may vary depends on the type of USB drive/device.

1. Once the USB drive/device has been plugged in, unit will automatically switch to USB mode, does not matter what mode it is currently in.
2. To stop USB playback, unplug the USB drive/device gently form the unit. Once the USB mode drive/device is unplugged, the unit automatically switch to radio mode. Or user can use mode button to switch to other mode.
3. User can use the mode button to switch to other mode (only if USB drive/device is inserted in the unit) or any other modes, when they are in any mode.

● PLAY PRIORITY

Does not matter the unit is in what mode (TUNER, CD, SD/MMC, etc), once a USB drive/device is being plugged into the unit, unit will automatically switch to USB mode.

MP3/CD OPERATIONS

MP3/CD OPERATIONS

1. Press <SEEK+ / SEEK-> to choose your favorite track upward or downward respectively. Press and hold <SEEK+ / SEEK-> button to fast forward or rewind the track upward or downward respectively.

2. Press <RPT> button to perform repeat playing function when you need to repeat playing the track you like.

During CD, MP3 version. Press <RPT> button at the first time <RPT> appears (Shown as track), which indicates repeat playing one track starts. Press <RPT> button again to stop repeat.

3. During play back, Press <INT> button, one of the number button <1-6> to play the first 10 seconds of each revert on the disc, the display will show <INT>, track number and elapsed time (see the picture) which indicates <INT> functions already activated.


Press <INT> button once more to revert to normal play back.

4. During playback, Press <RDM> button, and <RDM> appears on the display (See the picture), which indicates <RDM> function is carried out. The unit plays any track at random. Press <RDM> once more to return to normal playback mode.

5. During playback, press <PGOG> button to program playing, and <PROG> appears on the display.

NOTE: PROG doesn't work during playing.

6. During playback, press <PAUSE> button to suspend the playback, <PAUSE> is showed and twinkling in the display. To return to normal play mode, press it again, the display shows the music running time.

7. Press  button to eject the DISC.

NOTE:

Please use original disc for this product poor quality disc might damage the lens. If the product automatically locked. Press <MOD> to change to radio mode and press the EJECT button for 3 seconds to eject the disc.

BASIC OPERATIONS

BASIC OPERATIONS

Operating the unit for the first time or after replacing the car battery you must reset the unit. Press <RES> button with a pointed object (such as ball point pen) to set the unit to initial procedure.

NOTE: When some errors occur in the LCD display, you can also press REST button to resume to normal, and it will erase the clock setting and some memorized functions.

● PWR

Press <PWR> button to turn on the unit, And press it again to turn off the unit.

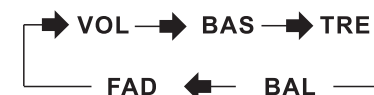
NOTE: After the unit is off, if the volume level is higher than it is in initial setting, it will resume to initial status; if it is lower than that in initial status, it still store in the status which you set.

● VOLUME CONTROL

For volume control, Press vol knob clock wise to increase the sound level, and rotate it anti clock wise to decrease the sound level.

● SEL

Repeatedly press <SEL> button to select the desired mode in the following order:



NOTE: If you don't adjust <VOL> knob within 5 seconds after selecting the desired mode the unit will automatically return to the current mode being display.

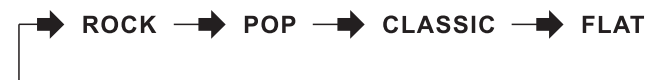


● MODE

Make sure whether the MP3 player is connected with USB/SD card, then the system will auto play; Press <MODE> when you want receiving a station or playing CD.

● P-EQ

Press the "SEL" button for 2 seconds to activate the preset equalizer and LCD DISPLAY shows "DSP OFF". Rotate the "VOL" button clockwise or anticlockwise to select your desired audio equalization in the following orders:



BASIC OPERATIONS

- **MUTE**

Press <MUTE> button to cut down the sound output, <MUTE> appears in the LCD (Press it again to revert to previous volume level).

- **BAND**

Press <BAND> button repeatedly to select bands in the following order:



During CD mode, Press PLAY/▶|| button to suspend the playback.

- **SEEK+/SEEK- (▶▶/◀◀)**

Automatic Tuning: Press <SEEK+/SEEK-> button continuously to select a station upward or downward respectively.

Manual Tuning: Press and hold <SEEK+/SEEK-> button for more than 3 seconds, the radio automatically searches a station upward or downward respectively and plays when a station.

- **APS**

During the radio mode, press the <APS> the unit shows all the memories radio one by one.

- **PRSET STATION BUTTON (1-6)**

Press any one of the <1-6> button to select a station which had been stored in the memory. Press the button for several seconds, the current station broadcasting will be stored into the number button.

- **PLAY & PAUSE BUTTON (▶||)**

At disc playback mode, press ▶|| button to pause disc playback and the CD icon on LCD DISPLAY blinking, press it again to resume normal disc playback. Press ▶|| button for 2 seconds will start disc playback at the first track.

- **INTRO PAY(INT)**

During disc mode, press <INT> button to play first 10 seconds of each track of the disc. Press it again to stop intro play and playback will resume on the current track.

BASIC OPERATIONS

- **TRACK REPEAT (RPT)**

During disc playback mode, press <RPT> button to continuously repeat playback the same track and <RPT> shows on LCD DISPLAY. Press <RPT> again to stop this repeat playback.

- **TRACK RANDOM PLAY(RDM)**

During disc playback mode, press <RDM> button to play all tracks on disc in random order and <RDM> appears on LCD DISPLAY. Press <RDM> again to cancel this function.

- **-10/+10**

During MP3/USB/SD/MCC playback mode, Press <-10/+10> to select every 10 tracks downward/upward in order to select the desired track.

- **CLK**

Time Displaying: Press <CLK> button and the current time is displayed, and it returns to original status after 5 seconds or press the button again.

Time adjusting: Press and hold <CLK> button until the two points in the middle of the clock stop blinking, you can press <VOL> button to adjust hours and minutes.

- **RELEASE BUTTON (▲)**

Press the ▲ button to release the front panel from the main unit

- **EJECT BUTTON (▲)**

Press ▲ button to eject the disc.

- **LCD DISPLAY**

The <LCD DISPLAY> shows the status of operation of the unit.

- **USB PORT**

Insert USB device to this port to play digital files that recorded.

- **SD/MMC CARD PORT**

Insert SD or MMC card to this port to play digital files that recorded.