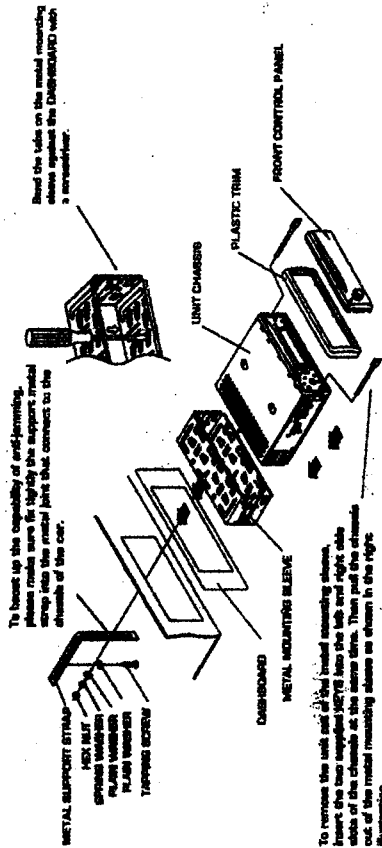


INSTALLATION METHOD

This is an anti-theft installation method. The main unit wears a METAL MOUNTING SLEEVE. Please connect the wiring, eg. the Power supply, the Speakers and the Antenna according to the requirements of this Instruction Manual, then install the metal mounting sleeve into the car as per the diagram illustrated below.

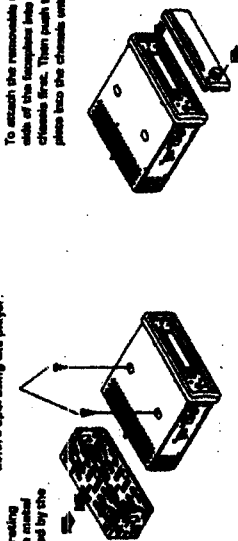


To remove the unit set the metal mounting sleeve. Insert the two supplied METAL STRIPS into the left and right side slots of the chassis at the same time. Then put the chassis out of the metal mounting sleeve as shown in the right illustration.

NOTE

Reverse the two screws that protect the CD DECK MECHANISM during transportation before operating the player.

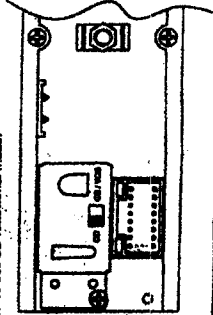
Before mounting and operating the CD player, remove the metal mounting sleeve illustrated by the arrows.



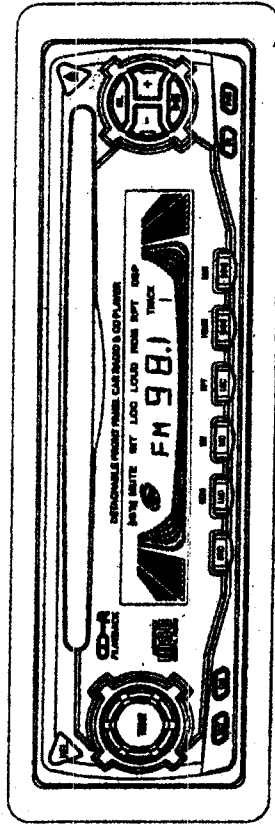
To attach the removable faceplate, insert the right side of the faceplate into the right of the CD player chassis first. Then push the left side of the faceplate into the chassis until you hear a "click".

IMPORTANT:

1. If you assemble an external VCD decoder to the decoder, please refer to each right as shown of the following illustration to set CD/VCD functional mode.
2. If you have not assembled an external VCD decoder to this decoder, please refer to each left as shown of the following illustration to set CD functional mode.

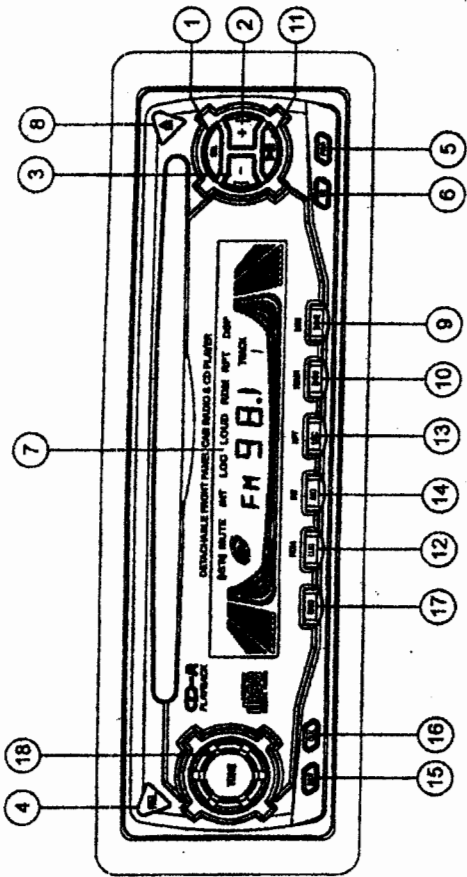


INSTRUCTION MANUAL



ANTI-THEFT DETACHABLE SYSTEM AUTO-LOADING COMPACT DISC PLAYER AM/FM STEREO 2-BAND TUNING RECEIVER

LOCATION AND FUNCTION OF CONTROL



1. 2. 3. SEL (AUDIO MODE SELECT)/VOLUME +/- BUTTON

Press SEL button to change the mode in sequence as follows:

→ VOL → BAS → TRE → BAL → FAD

- The volume can be adjusted at any time by pressing the VOLUME +/- button, as select mode has been initially defaulted at volume mode.
- The volume can also be obtained by continuously pressing the SEL button, until the character VOL appeared on the LCD display. Then press the VOLUME +/- button to adjust the volume.
- Press and hold the VOLUME +/- button to adjust the volume.

BASS CONTROL (WITHOUT APPLYING EQ)

- Press SEL button to select the bass mode until BAS appears on the display.
- Press the VOLUME +/- button to adjust the bass effect.

TREBLE CONTROL (WITHOUT APPLYING EQ)

- Press SEL button to select the treble mode until TRE appears on the display.
- Press the VOLUME +/- button to adjust the treble effect.

BALANCE CONTROL

- Press SEL button to select the balance mode until BAL appears on the display.
- Press the VOLUME +/- button to adjust the left / right speaker balance.

FADER CONTROL

- Press SEL button to select the fader mode until FAD appears on the display.
- Press the VOLUME +/- button to adjust the front / rear speaker balance.

4. RELEASE BUTTON

Press this button to release the front panel when you want to take it away for safekeeping.

5. POWER BUTTON

Press this button to turn on or off the CD player and receiver.

6. EQ BUTTON

Press this button to switch between 3 preset equalizer curves: POP, CLAS, ROCK. Changing this setting will affect the equalizer settings and enhance the audio output.

7. LCD (LIQUID CRYSTAL DISPLAY)

8. EJECT KEY

Press this key to eject the CD DISC.

9. 10. TRACK UP/DOWN BUTTONS

During CD mode, press the **⏮** button to skip backwards. Hold the **⏮** button to track backwards.

During CD mode, press the **⏭** button to skip forwards.

Hold the **⏭** button to track forward. Release to resume CD playback.

11. CD **⏮** (CD PLAY, PAUSE)/TOP BUTTON

During RADIO mode, press **⏮** button to switch to CD mode.

During CD mode, press **⏮** button to pause CD playback. Press again to resume playback.

During CD mode, press this button and hold for 2 seconds to play the first track of the current disc.

12. LUD/RDM BUTTON

LUD mode (Loudness):

Press this button to enhance the bass output. Press again to cancel.

RDM mode (Random):

During CD mode, press and hold the RDM button for 2 seconds to enter random playback mode, RDM will appear on the LCD display, then press **⏮** and **⏭** to randomly select another track. Press and hold the RDM button for 2 seconds to exit this mode.

13. LOC/RPT BUTTON

LOCAL/DISTANT MODE: (This operation is effective on FM reception only.) During RADIO mode, press this button to switch between local and distant reception. Pressing LO will improve reception in some areas where the signal is too strong. LOC will appear on the LCD display indicating you are in the local reception mode. Press LO again to release it to improve distant reception when you are located in an area with a weak signal.

Use of this button toggles between LOCAL & DISTANT FM reception.

REPEAT MODE:

In CD mode, pressing this button will continuously repeat the same track. Press again to stop repeat function.

14. MO/INT BUTTON

MO/ST MODE: (This operation is effective on FM reception only.)

During radio mode, press this button to change between mono and stereo modes. The character ST will appear on the LCD display while there is a strong signal from an FM station that is broadcasting in stereo.

Mono improves the reception of the distant stereo FM stations.

INT MODE:

During CD mode, press this button to play the first 10 seconds of each track on the disc. Press again to exit INT mode and resume CD playback when your desired track appears.

15. MUTE BUTTON

Press this button to suppress the audio output. 100% immediately, press again to resume normal audio output.

16. CLOCK DISPLAY AND SETTING BUTTON

During CD or RADIO mode, press CLK button to display current time.

SETTING THE CLOCK

With the time displayed, press and hold CLK button for 2 seconds, until time flashes. Adjust the HOUR and MINUTE by pressing the **◀** and **▶** buttons, respectively.

17. BAND BUTTON

During CD playback, press this button once to switch to RADIO mode.

Then press this button for AM or FM reception.

The character of the corresponding band will be visible on the display.

18. TUNING CONTROL

Rotate this control at radio mode to select your desired radio broadcasting station. The frequency which has been selected will appear on the display.

PRECAUTION OF DISC PLAY:

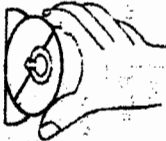
Cleaning the CD:

Before playing a CD, wipe it off with a clean, dust-free cleaning cloth. Wipe the disc in the direction of the arrow.



Always insert the CD with the label side facing upwards.

If the CD is inserted with the printed side facing downwards, the device may be damaged.



Note: If there is already a CD in the CD slot, do not try to insert a second CD. For this may damage the device.

Always hold CDs by the edges. In order to keep the CD clean do not touch the surface. Pull out the CD as the direction of follows.



Do not attach any sticker or adhesive tape on the CD.

Do not expose the CD to direct sunlight or sources of heat such as heating pipes.

Do not leave CDs in a car if it parked in direct sunlight as that will lead to a considerable rise in the temperature inside the car.

Note: Do not use any solvents such as petrol or thinning agents.

Commercially available cleaning substances or antistatic spray will damage the device.

Remark:

In addition to normal audio CD, this unit can play CD-R and CD-R/W disc that contain audio tracks as well; however, depending on the conditions of the recording equipment, recording program on the CD-R as well as CD-R/W disc itself, some CD-R or CD-R/W may not play.

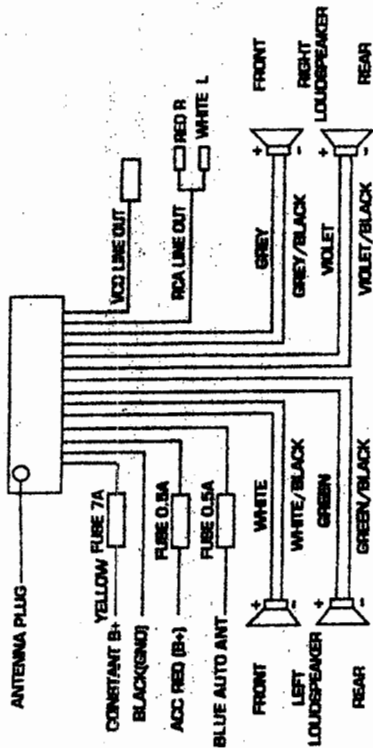
When making music CD with CD-R or CD-R/W disc, too high recording speed may result in poor signal quality and therefore, it is recommended to select 24x or lower speed for CD-R recording and 4x or lower speed for CD-R/W recording.

TROUBLE SHOOTING

Before using the check list please make all the connections first. If you still have questions after going through the checklist, please consult your local customer service representative.

Symptom	Cause	Solution
There is no power.	The car ignition is switched off.	If the power supply is properly connected to the car accessory switch the ignition key to "ACC" or "on"
	The fuse has been blown.	Replace another fuse according to the wiring diagram.
	Presence of CD disc inside the player.	Remove the disc in the player then put a new upward.
Disc cannot be loaded or ejected.	Inserting the disc in upside down.	Insert the compact disc with the label facing upward.
	Compact disc is extremely dirty or defective.	Clean the disc or try to play a new one.
	Temperature inside the car is too high	Cool off until the ambient temperature returns to normal.
There is no sound.	Condensation	Leave the player off for an hour or so, then try again
	Volume control is set too low.	Adjust volume to a desired level
	The device has not been properly connected.	Check the power and earth connection according to the wiring diagram.
The sound of CD player skips.	The installation angle is more than 30 degrees	Adjust the installation angle to less than 30 degrees
	The surface of CD is extremely dirty or it is defective.	Clean the CD or try to play another.
The radio does not work.	The antenna cable is not connected.	Insert the antenna cable firmly into the antenna socket of the device.

WIRING DIAGRAM



Note:

1. Make sure use a speaker with 4 ohm load impedance.
2. Do not make the auto antenna wire and ground touch each other.

SPECIFICATION

GENERAL

Supply Voltage.....DC 12V, Negative Ground
 Current consumption.....7A MAX.
 Power output.....7W X 4.
 Dimensions (SET).....178(W) X 157(D) X 50(H)mm.

FM SECTION

Frequency range.....88MHz - 108.0MHz
 Usable sensitivity.....10uV.
 I.F. Frequency.....10.7MHz.

AM(MW) SECTION

Frequency range.....540KHz - 1600KHz.
 I.F. Frequency.....450KHz.

LINE - OUT (OPTION)

Output.....2000mV @ CD Max.
 Impedance.....600 ohm.

CD PLAYER

System.....compact disc audio system.
 Usable disc.....compact disc.
 Signal format.....sampling frequency 44.1KHz.
 No. of quantization bits 1bit.
 Frequency characteristics.....20Hz-100KHz < 8dB
 10K-20KHz < 8dB
 Signal-to-Noise ratio.....50dB [1KHz] [IEC - A net work].
 Number of channels.....2 Stereo Channels.