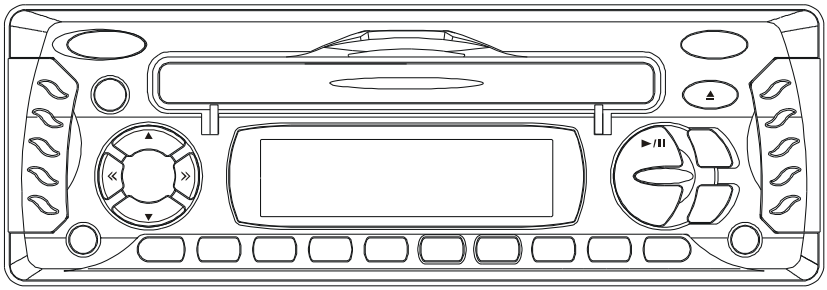
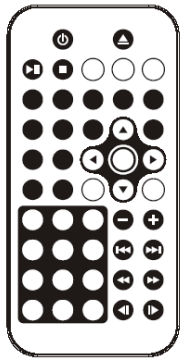
poly-planar®
WATERPROOF MARINE AUDIO SYSTEMS

MR50-DVD Owner's Manual



- PLL Synthesizer Stereo Radio
- DVD/VCD/CD/MP3 Player
- Multi-subtitle/audio languages function
- Multi-angle Function
- Parental Control
- IPOD Ready Function
- USB Ready Function
- External Remote Control
- Automatic Memory Storing
- Electronic Shockproof Function (ESP)



Congratulations!

You've just purchased one of the highest quality best sounding watertight stereos you can buy. You can now enjoy years of trouble-free listening pleasure and quality sound outdoors – where you'll enjoy it most.

Your new sound system is easy to install and easy to operate, with logical pushbutton controls and simple, one-function keys.

Before you begin…

Please take a few minutes to read the important information contained in this owner's manual to be sure you get the most out of your new marine stereo system.

Please retain these instructions for future reference when making changes to your system.

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IMPORTANT SAFETY INFORMATION

CAUTION:

THE DVD PLAYER IS A CLASS I LASER PRODUCT. HOWEVER, THIS DVD PLAYER USES A VISIBLE/INVISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE. BE SURE TO OPERATE THE DVD PLAYER CORRECTLY AS INSTRUCTED. DO NOT OPEN COVERS AND - DO NOT REPAIR THE UNIT YOURSELF.

WARNING:

When using your equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, annoying interference and injury to persons:

- DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.
- USE ONLY THE RECOMMENDED ACCESSORIES.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Region Management Information

Region Management Information: This DVD Player is designed and manufactured to respond to the Region Management

Information that is recorded on a DVD disc. If the Region number described on the DVD disc does not correspond to the Region number of this DVD Player, this DVD Player cannot play this disc.

DISC NOTES

Disc formats supported by this player

DVD
12 cm disc
(Single-sided disc only)

Video CD
12 cm disc

CD
12 cm disc

MP3
12 cm disc

Handling and Cleaning

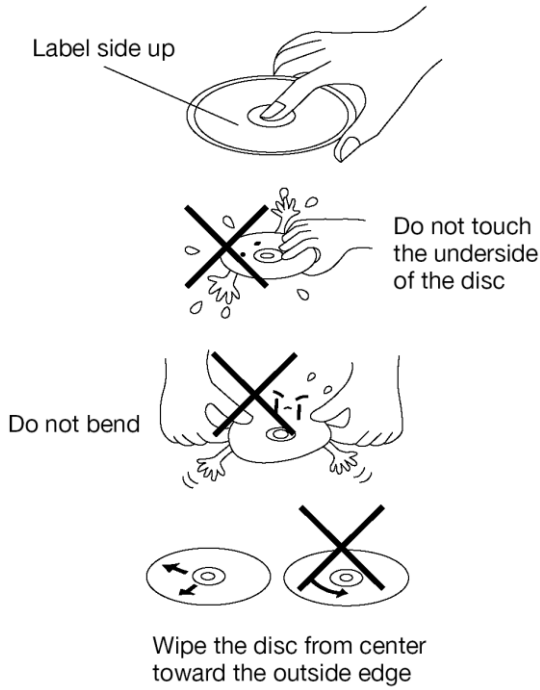
- Dirty, dusty, scratched and warped discs will cause misoperation of this unit.
- Do not stick paper or tape, etc. onto the label side or the recording side of any discs as it may cause a malfunction or damage the unit.

Disc Cleaning

Use a dry soft cloth to wipe the surface. If the disc is quite dirty, use small amount of rubbing alcohol to a soft cloth to clean. Never use solvents such as benzine, thinner or conventional record cleaners as they may damage the surface of the disc.

Note:

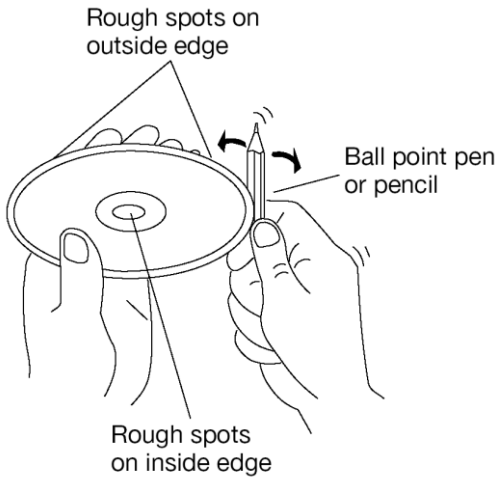
A disc may become somewhat scratched (although not enough to make it unusable) depending on the way it is handled and conditions in the usage environment. Note these scratches are not an indication of any problem with the player.



New Discs with Rough Spots

A new disc may have rough edges on inside and outside edges. For disc with rough edges, the player will reject the disc or will not play properly. Therefore, please remove the rough edges by using a ballpoint pen or pencil as shown below.

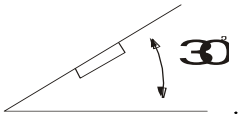
To remove the rough edges, press the side of the pen or pencil against the inside and outside edges of the disc.



INSTALLATION

Notes:

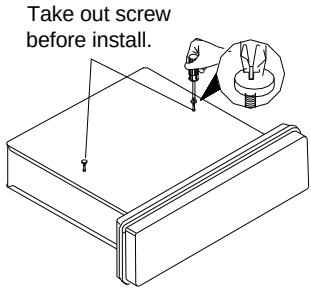
- Find a suitable location making sure there is clearance for the installed depth.
- Before installing the unit, connect the wiring temporarily making sure the system works properly.
- Only use the parts included with the unit to ensure proper installation.
- If installation angle exceeds 30° from horizontal, the unit might not give its optimum performance.



- Avoid installing the unit where it would be subject to high temperature (i.e. from direct sunlight, heaters or the engine) or where it would be subject to dust, dirt or excessive vibration.

REMOVE SCREWS BEFORE INSTALLATION

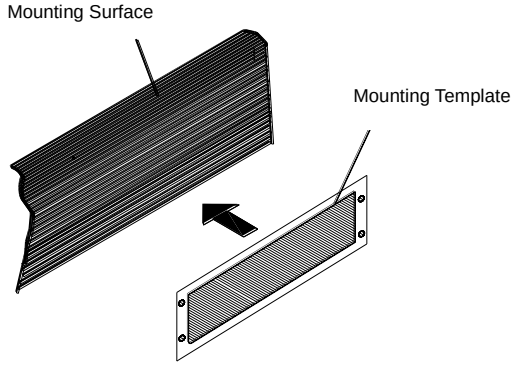
Before installing the unit, please remove the two screws.

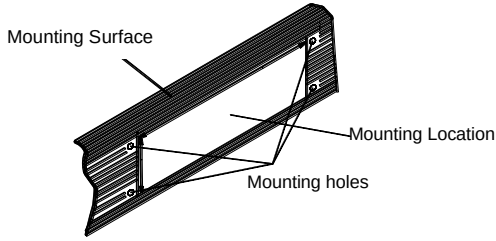


NOTE: Use the two pieces of plastic film (30mmX20mm) supplied with the unit to seal the two holes after removing the screws.

INSTALLING THE UNIT

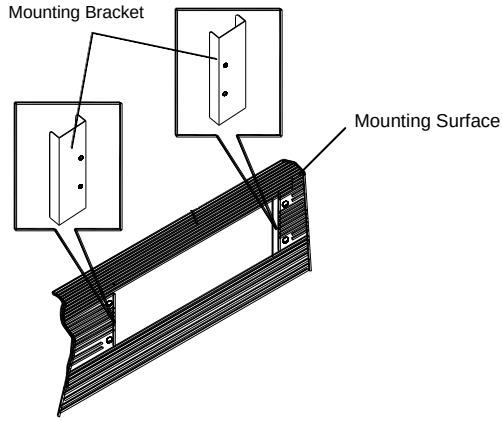
1. Using the supplied mounting template, cut-out the rectangular shaded area and drill 4 holes as indicated.



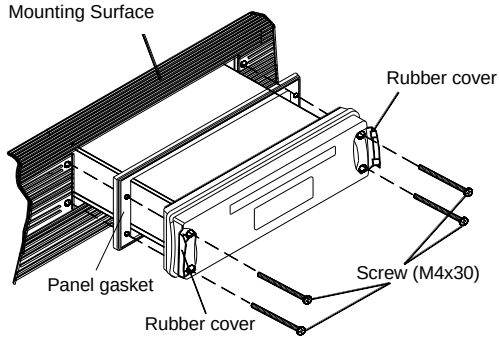


2. Attach the mounting bracket behind the mounting surface, use the adhesive tape provided when attaching. Make

sure the holes from the mounting bracket aligned with the holes of the mounting surface.

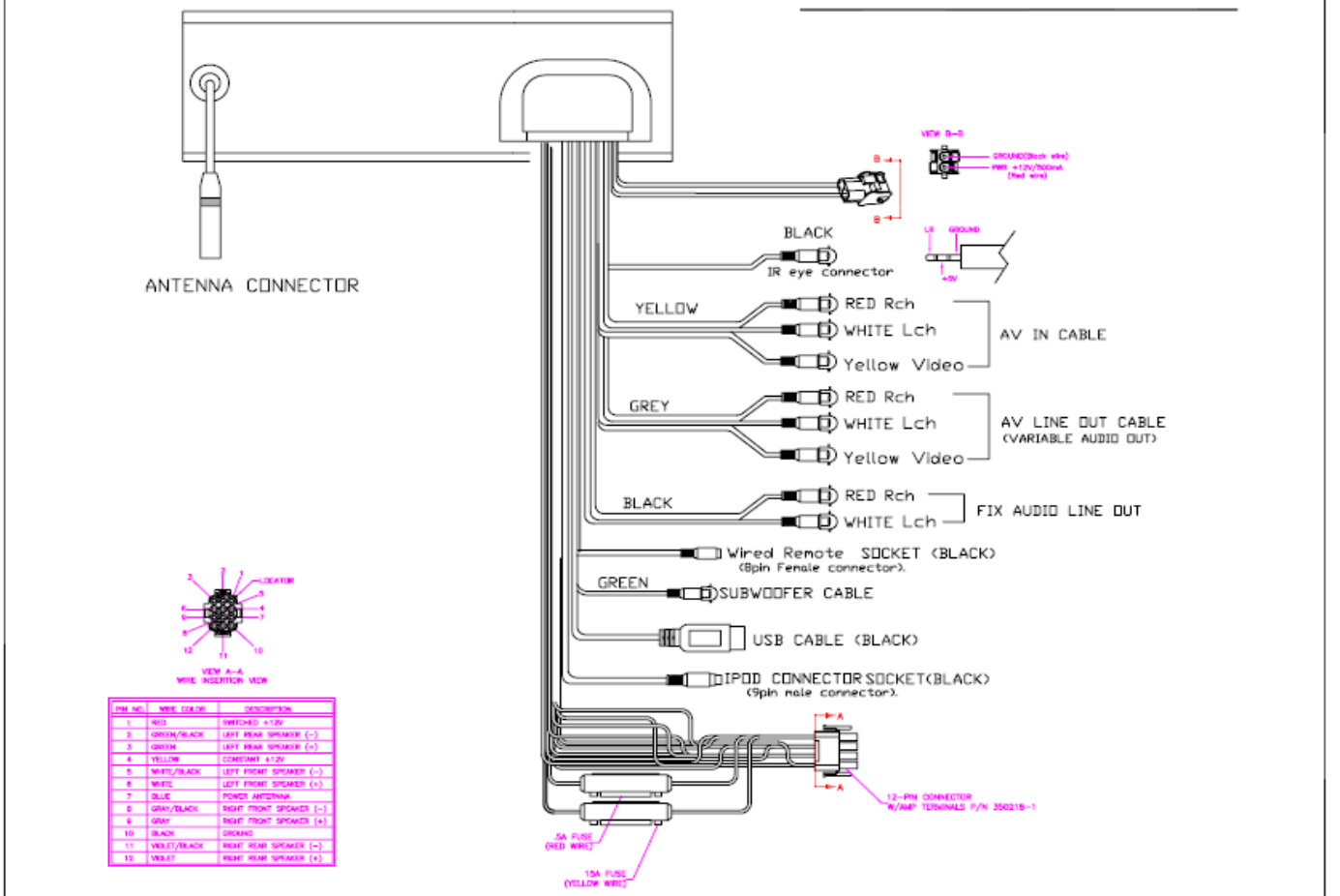


3. Lift open the two rubber covers on the unit and then use four screws (M4X30) provided to mount the unit with the panel gasket between the mounting surface and the unit.



Note: *Install the unit according to the instructions to ensure it is IPX5 Waterproof Standard (Front Panel).*

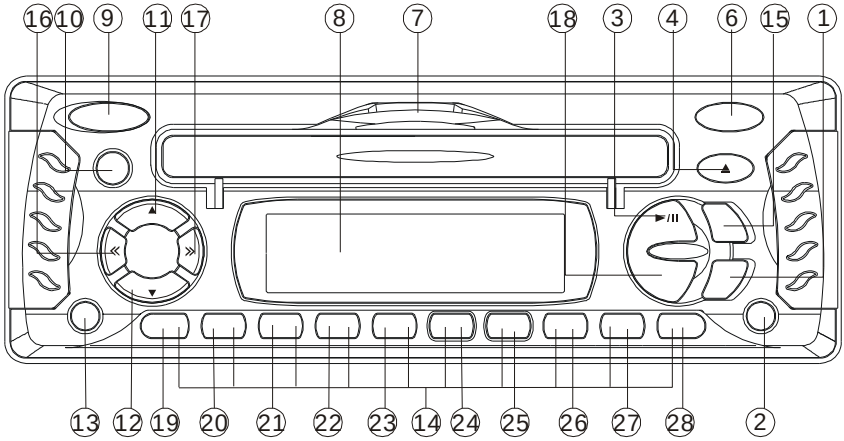
MR50-DVD Wiring drawing



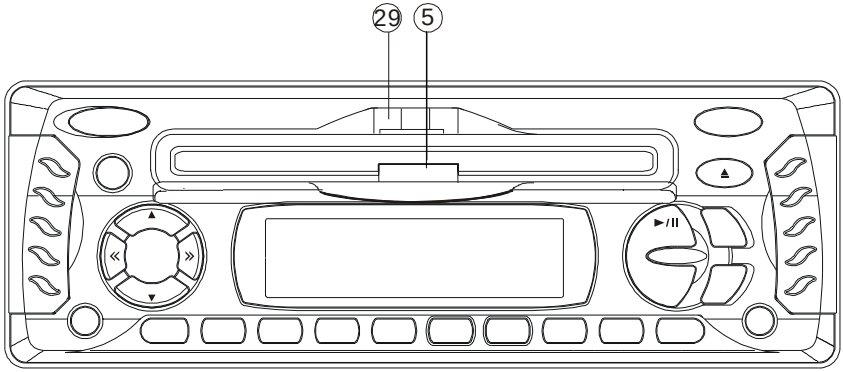
PIN NO.	WIRE COLOR	DESCRIPTION
1	RED	SWITCHED +12V
2	GREEN/BLACK	LEFT REAR SPEAKER (-)
3	GREEN	LEFT REAR SPEAKER (+)
4	YELLOW	CONSTANT +12V
5	WHITE/BLACK	LEFT FRONT SPEAKER (-)
6	WHITE	LEFT FRONT SPEAKER (+)
7	BLUE	POWER ANTENNA
8	GRAY/BLACK	RIGHT FRONT SPEAKER (-)
9	GRAY	RIGHT FRONT SPEAKER (+)
10	BLACK	GROUND
11	VIOLET/BLACK	RIGHT REAR SPEAKER (-)
12	VIOLET	RIGHT REAR SPEAKER (+)

LOCATION OF CONTROLS

Front Panel Layout:

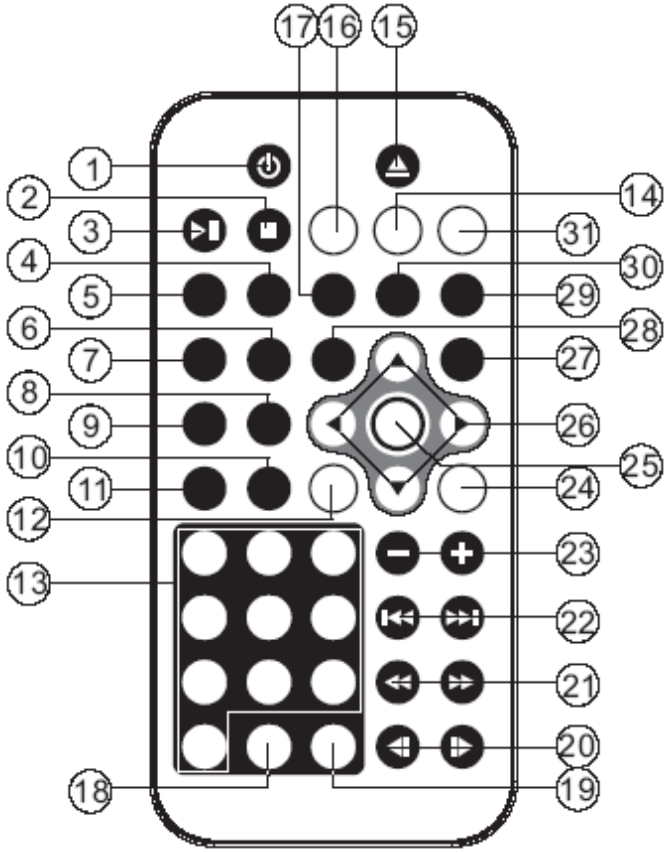


Inside Panel Layout:



1. DSP
2. AS/PS/GOTO
3. ⏯/MUTE
4. EJECT
5. Latch
6. MODE/SUB.W (optional)
7. Hook
8. Liquid Crystal Display
9. POWER/DIMMER
10. SEL
11. VOL▲
12. VOL▼
13. SCAN/SETUP/IPOD-MENU
14. Preset buttons
15. EQ/SUB.W
16. CONTROL⏮
17. CONTROL⏭
18. BAND/ENTER/LOU
19. 1
20. 2
21. 3 RPT
22. 4 SHF
23. 5
24. 6 ■
25. 7
26. 8
27. 9
28. 0
29. Reset Button

REMOTE CONTROL



1. ⏻POWER/DIM -to turn the unit ON or OFF. Press and hold for 3 seconds to adjust the brightness of the LCD display backlight.

2. ■ -to stop playing.

3. ⏯/MUTE -In Radio/AV IN mode, to mute audio level
In DVD/IPOD/USB mode, to pause playing

4. PBC- -for VCD only, allows you to interact with the disc through menus

5. ZOOM -enlarges the picture size.

6. A-B -For DVD only, allows you to repeat play a part of a movie continuously.

7. ANGLE -Changing angles on multi-angle DVD disc.

8. SHUFFLE - to play all tracks in random order.

9. REPEAT -to play the same song repeatedly.

10. GOTO -GOTO works as disc search button in DVD mode, cooperatively used with numeric buttons.

11. PROGRAM -Allows the track to be played according to the settings your programmed.

12. MENU -to access the menu

13. 0~9 –Numeric buttons

14. EQ -to change the EQ setting to the following mode DSP OFF, FLAT, CLASSICS, POP M, ROCK M and JAZZ.
Press and hold EQ button to toggle sub-woofer output.

15. ▲ EJECT -to eject a disc.

16. MODE -to change audio mode: Radio, DVD, USB, IPOD, AV mode.

17. SUB-T -to change SUBTITLE language on multi-subtitle language DVD disc.

18. AS/PS -For Radio mode only, to activate Automatic Memory Storing/Program Scanning function.

19. MO/ST -For Radio mode only, to set the reception between mono mode and stereo mode.

20. ▮▶/◀▮ -For slow forward/ reverse playback motion on DVD/VCD disc only.

21. ◀◀/▶▶ -Press ▶▶ to search forward rapidly & ◀◀ to search reverse rapidly.

22. ▶▶▮/▮◀◀ -Press ▶▶▮ to skip to the next track & press ▮◀◀ to skip back one track.
In radio mode, the buttons are used to select station.

23. VOLUME+/- -Press VOLUME+/- buttons to change the sound level up or down.
In audio selection mode or menu selection mode by using SEL button, the buttons are used to adjust desired mode.

24. SEL -to change audio mode.

25. OK -to confirm the Track/Chapter selected with the numeric buttons or selected with the cursor buttons on screen.

26. ◄/►, ▲/▼ -In case of MENU mode, ◄/►, ▲/▼ buttons serve as cursor buttons to select item left/right, up/down.

27. SCAN/SETUP -In radio mode, to set function to scan mode.
In DVD mode, to enter the DVD SETUP menu.

28. TITLE -to enter TITLE menu stored in DVD disc.

29. DISPLAY -For DVD/VCD only, to display statistical disc information while playing.

30. AUDIO -Changes the audio soundtrack on multi-audio soundtrack DVD disc.

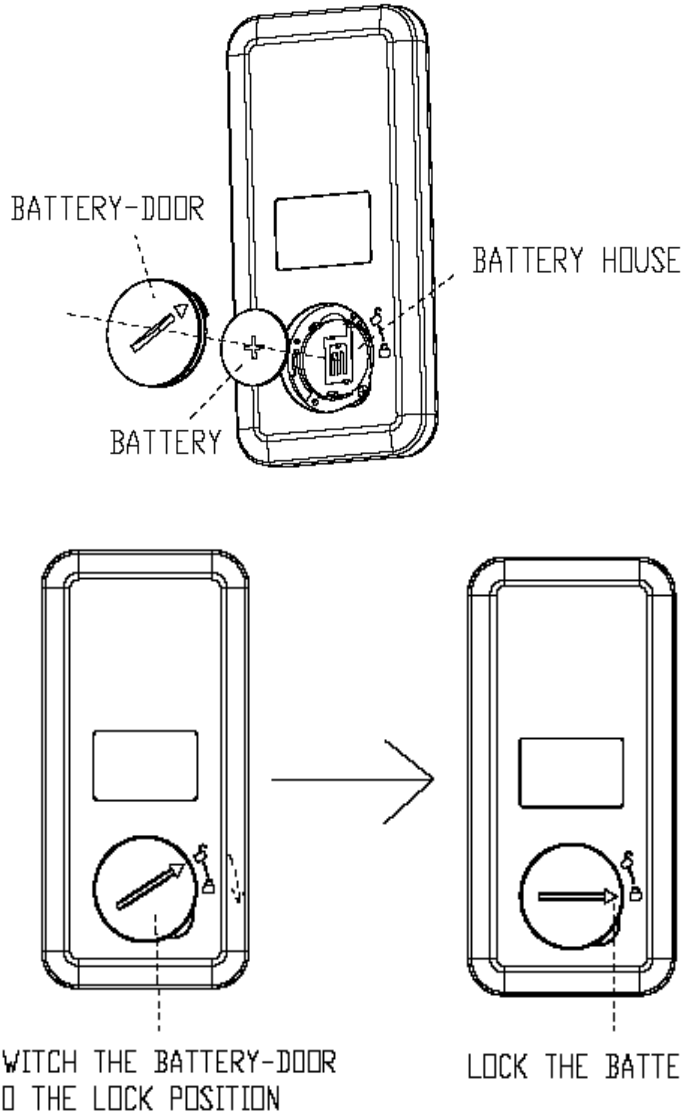
31. LOUD/BAND - In radio mode, press to select desired band. Press and hold it for several seconds will change the loud on or off.

Using the Remote Control

Through the external remote sensor socket at the back of the unit, you can connect a remote sensor device. Point the remote control towards the remote control signal receiver to control the unit within a certain operation range.

Battery Installation

Open the battery-door, put the battery into the battery housing, replace battery-door then lock (see diagram).



GENERAL OPERATION

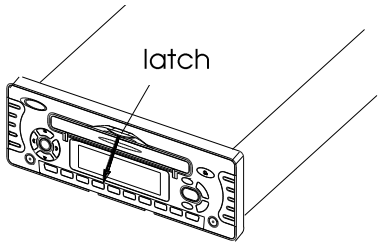
SWITCHING ON/OFF THE UNIT

Press **POWER/DIMMER** button or **POWER/DIM** button on the remote control to turn on the unit.

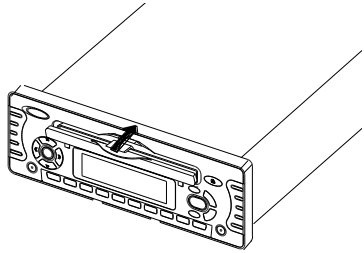
When unit is on, press and hold **POWER/DIMMER** or **POWER/DIM** for 3 seconds to turn off the unit.

OPENING THE DISC COVER

Pull the latch with slight downward force to open the disc cover.



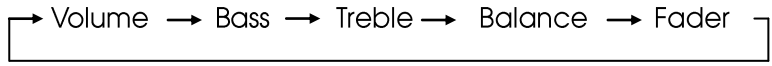
Lift and push the disc cover to close.



SOUND ADJUSTMENT

Press **SEL** button to change audio mode through volume, bass, treble, balance, and fader modes. Press the **VOL▲/▼** buttons on the front panel or **VOLUME+/-** buttons on the remote control to adjust desired setting. Unit will return to normal previous

display if left untouched for 5 seconds.



MENU SELECTION FUNCTION

Press and hold **SEL/MENU** button(10) for 5 seconds to enter menu select function then press **VOL▲** button(11) or **VOL▼** button(12) to adjust desired setting, then press **SEL/MENU**(10) again to select different functions.

1) BEEP ON/OFF

   To turn on or off the beep sound when pressing the control buttons.

2) P-VOL 12 (0~46)

   To set the default volume level every time you turn on the unit.

3) TUNER FREQUENCY USA/EUR

   To select tuner frequency between USA and EUR.

4) PCLK ON/OFF

   In PCLK ON mode, when you turn off the unit, the current time will be displayed on the LCD with LCD backlight on.

5) PRI NO/SRC/CLK

   In PRI CLK mode, the CLOCK will be the primary display. Press **DSP** button(1) and the current source information or other information will be displayed for 5 seconds then will return to clock display.

   In PRI SRC mode, the current source information will be the primary display. Press **DSP** button(1) and the clock will be displayed for 5 seconds then will return to source display.

   In PRI NO mode, no primary display unless **DSP** button(1) was pressed to select primary display.

6) HOURS 12/24

Change time format between 12 hours to 24 hours.

SETTING THE CLOCK

Press and hold **DSP** button until the clock flashes, then press the **CONTROL**» button on the front panel or ▶▶| on the remote control to change minutes or press the **CONTROL**« on the front panel or |◀◀ on the remote control to change hours.

MUTE/PAUSE

In radio/AUX IN mode, press ▶/**MUTE** on the front panel or ▶||/**MUTE** on the remote control to mute audio level. Press the button again to release mute function.

In DVD/IPOD/USB mode, press ▶/**MUTE** on the front panel or ▶||/**MUTE** on the remote control to pause playing, press again to resume play.

BAND/ENTER/LOUD

Press and hold **BAND/ENTER/LOU** button on the front panel or **BAND/LOUD** button on the remote control for 3 seconds to reinforce the bass output.

MODE SELECTION

Press **MODE** button to choose desired listening mode. (e.g. radio mode to DVD mode to USB mode to IPOD mode to AV IN mode.)

If there is no disc loaded or no USB/IPOD connected to the unit, the corresponding mode will be skipped.

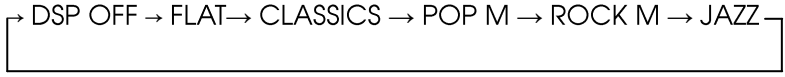
SUBWOOFER

Press and hold **EQ/SUB.W** button on the front panel or **EQ** button on the remote control for 5 seconds to toggle sub-woofer output and 'SW' will appear on the display.

EQUALIZATION

Press **EQ** button to turn on equalization function and to select

desired audio mode. There are 6 audio modes available:



LIQUID CRYSTAL DISPLAY

Displays current frequency and activated functions on the display on the front panel and/or remote control.

ILLUMINATION

Press and hold **POWER/DIMMER** button on the front panel or **POWER/DIM** button on the remote control for 3 seconds to adjust LCD display backlight.

RESET FUNCTION

Open disc cover to display reset button. Use a ballpoint pen to press the reset button. The reset function is used in the following situations:

- All the function buttons does not operate.
- Error sign on the display.

LAST STATUS MEMORY

There is an EEPROM built in to the unit. When power is off, the unit is designed to remember all the setup settings and preset channels.

To return to factory setting, in FM band mode, press and hold ►/II button for about five seconds, "EEP-INIT" will appear on the display and 2 seconds later the unit will turn off.

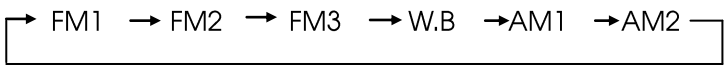
RADIO OPERATION

SWITCHING TO RADIO MODE

Press **MODE** button to select radio mode and station frequency will appear on the display.

SELECTING THE FREQUENCY BAND

In radio mode, press **BAND/ENTER/LOU** button on the front panel or **BAND/LOUD** on the remote control to locate the desired band. The reception band will change in the following order:



SELECTING STATION

Press **CONTROL** » / « button on the front panel or ▶▶I / I◀◀ button on the remote control to select a station. To use manual tuning, press and hold **CONTROL** » / « button on the front panel or ▶▶I / I◀◀ button on the remote control to activate "**MANUAL**" mode. Unit will return to "**AUTO**" mode if left untouched for 5 seconds.

FOR WEATHER BAND OPERATION:

Press **CONTROL** » / « button on the front panel or ▶▶I / I◀◀ button on the remote control to choose channel forward or backward. The range is from CH1~CH7 only. Or, you can also press M1~M7 buttons to select CH1~CH7 directly.

AUTOMATIC MEMORY STORING & PRESET SCAN

The preset buttons can be used to store 10 stations in each band (FM 1, FM 2, FM 3 and AM1, AM2) for convenient access to your favorite stations.

- Automatic Storing

  Press **AS/PS** button for 5 seconds, the radio searches and checks the signal strength until one cycle search is finished then the strongest stations are stored into the corresponding preset number button automatically.

  Press **AS/PS** button to scan all stations saved in the preset memory.

- Manual Storing

1. Select the desired band, then select the station you want to store in memory.
2. Press and hold one of the preset buttons for more than 3 seconds until the corresponding preset button number appears. Repeat steps 1 and 2 to program additional stations.

■ Quick tuning

Select the desired band, then press one of the ten preset buttons.

SCANNING

Press **SCAN/SETUP** button on the front panel or on the remote control to scan a station. The unit will keep on scanning every 7 seconds until you press the **SCAN/SETUP** button again to stop scanning.

MONO/STEREO

Press **MO/ST** button on the remote control to select mono or stereo mode. You can sometimes improve reception of distant stations by selecting mono operation.

DISC (DVD/VCD/CD/MP3) OPERATION

LOADING/EJECTING A DISC

Open the disc cover and insert a disc into the slot with the disc label facing up. The disc will be drawn inside and will play automatically once inserted. To remove the disc, open the disc cover and press ⏏ (**EJECT**) button. Remove disc and close disc cover.

STOPPING/ PLAYING

Press ■ button on the remote control one time or hold press ■ on the front panel to pre-stop playing. Press ►/II/**MUTE** on the

front panel or ▶II button on the remote control to resume to normal playing.

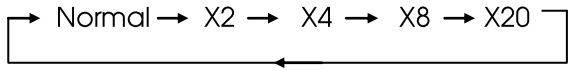
Press ■ button twice to completely stop playing. Press ▶/MUTE on the front panel or ▶II button on the remote control to play.

PAUSING/PLAYING

Press ▶/MUTE on the front panel or ▶II on the remote control to pause. Press ▶/MUTE **or** ▶II button again to resume playing.

RAPID FORWARD/RAPID REVERSE

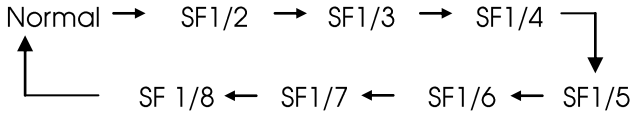
Press ▶▶ & ◀◀ button while playing. Each time the button is pressed, the speed will vary as follows:



When done, press ▶/MUTE on the front panel or ▶II button on the remote control to play in normal speed.

PLAYING IN SLOW MOTION (FOR DVD ONLY)

Press I▶/◀I button on the remote control while playing. Each time the button is pressed, the speed will vary as follows:



When done, press ▶/MUTE button on the front panel or ▶II button on the remote control to play in normal speed.

SELECTING TRACK

To select the next/previous track, press **CONTROL**» / « buttons on the front panel or ▶▶I/I◀◀ buttons on the remote control.

When PBC (Playback control) is on, ▶▶I/I◀◀ buttons may be invalid.

Note: You can also use the number buttons on the front panel or on the remote control to choose the tracks directly. For example, press number button 1 then press 2, after 3 seconds it will select track 12 to play. If you don't want to wait, press **BAND/ENTER** button on the front panel or **OK** button on the remote control to confirm and play.

DVD VIDEO MENU PLAY

Press **TITLE** button on the remote control to return to the TITLE menu of the DVD disc.

Use ◀/▶, ▲/▼ cursor buttons to select highlighted menus.

Press **OK** button on the remote control to confirm the selected menu.

ZOOM FUNCTION

To view the picture in larger image, press **ZOOM** button on the remote control to toggle to the following available sizes: 2X, 3X, 4X, 1/2X, 1/3X and 1/4X scale.

During zoom mode, press ◀/▶, ▲/▼ buttons to move the picture left/right, up/down.

MULTI-SUBTITLE LANGUAGE FUNCTION

Press **SUB-T** button on the remote control while playing. The subtitle information will be displayed on the screen. If available, each time the **SUB-T** button is pressed subtitles in different language will be displayed.

MULTI-ANGLE FUNCTION

This function only works for discs having scenes recorded at different angles. Press **ANGLE** button on the remote control while playing. Each time the button is pressed, the angle changes.

Notes: The angle number is different according to the disc.

MULTI-AUDIO LANGUAGE FUNCTION

Press **AUDIO** while playing. The audio information will be shown on the screen. Each time the button is pressed, the audio language changes depending on how many audio languages available.

Notes:

- *The language number is different according to the disc.*
- *Some discs only contain one audio language.*

REPEAT PLAY/PARAGRAPH REPEAT PLAY

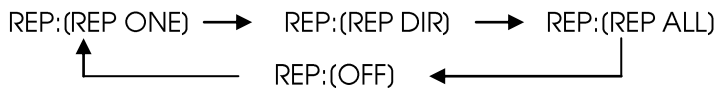
1. To repeat playing the whole disc or track or a chapter in the disc.

   Press and Hold **RPT** button on the front panel of the unit or press **REPEAT** button on the remote control repeatedly to select different repeat mode. For different kinds of discs, hold press **RPT** or press **REPEAT** button has different effects.

   For example:

   DVD:

   MP3:

   Note: REPEAT feature does not support VCD2.0 (with PBC ON).

2. In DVD/VCD mode, Press **A-B** button, to repeat play a part of a movie continuously.

   1) Press **A-B** button at the start of the desired part: **REPEAT A-**

   2) Then, Press **A-B** button again at the end of the desired part:

REPEAT A-B

Then the unit will repeat playing the portion you just set from A to B.

3) Press A-B button again will exit repeat mode, and "**A-B CANCEL**" will be displayed on the screen.

PLAYING TRACKS IN SHUFFLE ORDER

For CD/MP3 discs, hold press **SHF** button on the front panel or press **SHUFFLE** on the remote control to play the tracks in shuffle order. Pressing the button again will exit shuffle play mode.

For DVD/VCD discs, pressing **SHF** button is an invalid key.

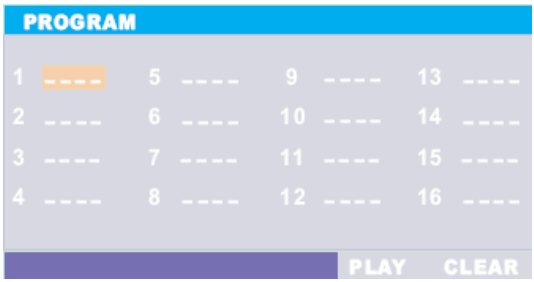
PROGRAM PLAY

You can program movie track or music track in your own desired sequence.

To program, please follow the instructions below:

For VCD/CD/MP3:

a) In PBC OFF mode, press **PROGRAM** button on the remote control to enter program edit interface.



b) Use ◄/► or ▲/▼ cursor buttons to select the items you want to program. The items you selected will be highlighted.

c) Input the sequence number you want to program by pressing numeric buttons (0-9) on the remote control.

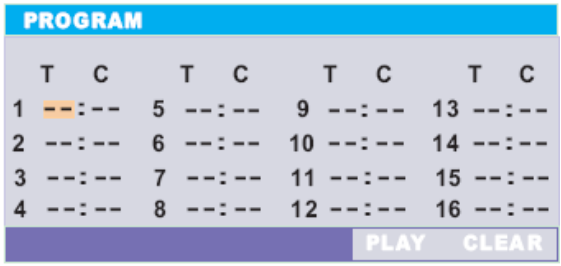
Use ◄/► or ▲/▼ cursor buttons to select **PLAY** then press

OK button on remote control or **BAND/ENTER/LOU** button on the front panel to confirm. And the unit will play the tracks you programmed. "PRG PLAY" will appear on the screen.

e) If you want to clear the program, select **CLEAR** and press **OK** will clear the information you have programmed.

For DVD:

Press **PROGRAM** button on the remote control the following media play window will be shown on the screen:



The instruction is the same as VCD/CD/MP3 operation.

GOTO FUNCTION

FOR DVD:

Press **GOTO** button on the remote control or **AS/PS/GOTO** on the front panel, the screen will display the following message:

Use the number keys to input the desired Title, Chapter or Time, then press **OK** to confirm.

FOR VCD (WITH PBC OFF)/CD:

You can input the Track and Time then press **OK** to confirm.

PBC ON/OFF

For some VCD or SVCD discs, there is a menu that will allow you to control disc play or allow you to interact with the disc through menus. This menu is called PBC (Playback Control) menu.

Press **PBC** button on the remote control to change between PBC ON and PBC OFF on the disc.

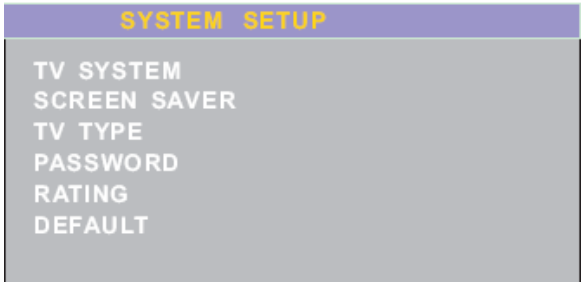
Note: REPEAT, RANDOM, A-B, PROGRAM and GOTO functions are unavailable when PBC function is on.

DVD SETUP

In DVD mode, when the disc is playing or in stop mode, press **SCAN/SETUP** to enter setup menu.

Press ◀/▶ and ▲/▼ buttons to move between different setup options. Press **OK** button to change your selection.

1) **SYSTEM SETUP**



* TV SYSTEM: Change the TV SYSTEM between NTSC, PAL and AUTO.
* SCREEN SAVER: Change the SCREEN SAVER on or off.
* TV TYPE: Change the TV TYPE from 4:3PS, 4:3LB to 16:9.
* PASSWORD: Change the PASSWORD lock or unlock, the default PASSWORD is "0000".
* RATING: Change the parental RATING from 1KID SAFE, 2G,

3PG, 4PG13, 5PG-R, 6R, 7NC-17, to 8ADULT.

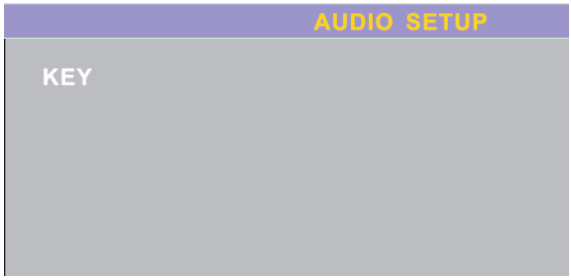
* DEFAULT: Restore the system setup to the default setup.

2) LANGUAGE SETUP

OSD LANGUAGE - change between English, German, Spanish, French, Portuguese, Italian and Russian.

AUDIO/ SUBTITLE/MENU language – change between English, German, Spanish, French, Portuguese, Italian, Russian or OFF.

3) AUDIO SETUP



* KEY: Change the tone to a certain range.

ON-SCREEN DISPLAY FUNCTION

Press the **DSP** button while playing to display disc's console information on the screen.

FOR DVD:

OPERATION

a) TT - Display the current title number and total title number.

b) CH - Display the current chapter number and total chapter number.

c) (This icon will only display for 5 seconds) - Display the played time of the current chapter.

d) **C -** Display the time remaining of the current chapter.

e) **T -** Display the played time of the current title.

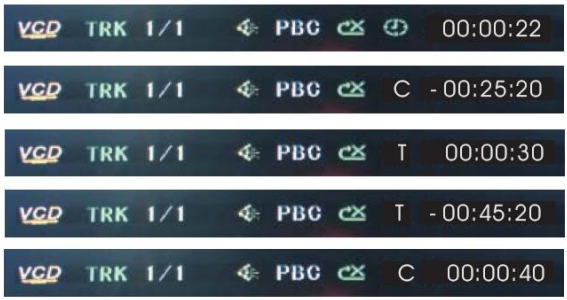
f) **T -** Display the time remaining of the current title.

g) **C -** Display the played time of the current chapter.

h)

Display the current disc's language, audio type, subtitle language and play angle.

For VCD:



The operation is the same as the DVD operation above.

LAST PLAY MEMORY

1) While playing a DVD/VCD/CD, if you press **POWER** button on the front panel or on the remote control to turn off the unit and then you press **POWER** button again on the front panel or on the remote control to turn on the unit, the unit will resume playing from where it was interrupted.

2)And, if you change the mode to other mode then change back to DVD/VCD/CD mode again, the unit will resume playing from where it was interrupted.

PARENTAL CONTROL

DVD/VCD discs have a parental level assigned to the disc. The parental control ranges from 1 to 8. Your unit can be set the same way. If your unit is set to parental level of 8 it will play all discs with no exceptions. If it is set below 8, only discs with lower or equal parental level will play. For example if your unit is set to 5, only discs with parental control ratings of 5, 4, 3, 2, & 1 will play. To play a higher rated disc you must change your unit's rating to a higher number. For example, consider a disc that generally is suitable for most audiences, and is rated level 2 for the most part. However in the middle of the disc there are some scenes rated at 5 & 7 (not suitable for children). Alternative scenes with lower rating are included. The player will only play the highest rated scene that the parental setting allows. A section of the disc can have several different sequences that vary in parental control level. In the above example of a disc with parental control, the player will show a different scene depending on the

parental control level set in the player's menu. In this way parents can control the content of the films and there is no indication that any censorship has occurred. The meaning of the levels 1 to 8 varies depending upon the country and the type of content on the disc.

The parental control levers are:

Unlock
1 KID SAFE
2 G
3 PG
4 PG 13
5 PG-R
6 R
7 NC-17
8 ADULT

AV OPERATION

SWITCHING TO AV MODE

There is a pair of AUDIO/VIDEO INPUT jacks at the back of the unit.

When you connect an audio/video system through these jacks, press **MODE** button on the remote control or on the front panel to select AV IN mode

IPOD OPERATION

At the back of the unit, there is an IPOD connector socket. After connecting an IPOD to the unit, the unit will play the IPOD automatically, and the "IPOD" will appear on the display.

a) Select category

Press **SCAN/IPOD-MENU** button on the front panel or **SCAN/SETUP** button on the remote control, the category will

appear on the display, press **CONTROL** « or » button to change the category from PLAYLIST, ARTIST, ALBUM, GENRE, SONG to COMPOSER, then press **BAND/ENTER/LOU** button on the front panel to confirm the selected category.

b) Selecting song

Press **SCAN/IPOD-MENU** button on the front panel or **SCAN/SETUP** button on the remote control, the display will show the current catalog (stored in the IPOD). Press **CONTROL**» or « button to change the song title to the next song or previous song. Then press **BAND/ENTER/LOU** button to play the selected song.

c) Display function

Press **DSP** button on the front panel or **DISPLAY** button on the remote control to show the Song's information as follows:

Song Title / Artist Name / Album Name / Clock / TRACK/ play Time …

d) Pausing/Playing

Press ▶/II**/MUTE** button on the front panel or ▶II**/MUTE** on the remote control to pause the playing. Press it again to resume playing.

e) Repeat

Press **RPT** button on the front panel or press **REPEAT** button on the remote control to repeat the current song, and "IPOD RPT" will appear on the display. Press **RPT** or **REPEAT** button again, will stop repeat.

f) Shuffle function

Press **SHF** button on the front panel or press **SHUFFLE** button on the remote control, to play the songs in current category in random order, and "IPOD SHF" will appear on the display. Press **SHF** button or **SHUFFLE** again, will stop shuffle.

g) Selecting Track up/down

Press **CONTROL** »/« button on the front panel or ▶▶I/I◀◀ button on the remote control to play the next or previous track. While playing a song, press and hold **CONTROL** »/« button or ▶▶I / I◀◀ button for 3 seconds to fast forward/reverse a song. When you release the button, the unit will resume to normal play.

USB OPERATION

When you connected a USB driver through the USB port located at the back of the unit, the unit will search for MP3/WMA files and will play them automatically. Or, press **MODE** button to select USB mode.

Refer Disc Operation on pages 21-30 for further instructions.

Note :

- This unit only supports a standard USB-memory disc.
- Not all USB MP3 players are compatible with this unit.
- Please remove all non-rechargeable batteries from MP3 players before connecting to the USB interface. Otherwise, the battery may burst.
- Make sure to turn off the unit before removing the USB driver from the USB interface.

CAUTION

If there are important files in the USB device, do not connect the unit to the main unit to play. Any wrong operation may cause file loss. Our company assumes no responsibility for lost files or directories.

SPECIFICATION

GENERAL

Power Supply Requirements	: DC 12 Volts, Negative Ground
Chassis Dimensions	: 178 (W) x 178 (D) x 50 (H)
Tone Controls:	
- Bass (at 100 Hz)	: ±10 dB
- Treble (at 10 kHz)	: ±10 dB
Maximum Output Power	: 4x40 watts
Current Drain	: 15 Ampere (max.)

CD PLAYER

Signal to Noise Ratio	: More than 55 dB
Channel Separation	: More than 50 dB
Frequency Response	: 40Hz – 18 kHz

RADIO

	(**Europe**)	(**U.S.A.**)
	FM	**FM**
Frequency Coverage	87.5 to 108 MHz	87.5to 107.9MHz
IF	10.7 MHz	10.7 MHz
Sensitivity (S/N=30dB)	3µV	3µV
Stereo Separation	>30dB	>30dB
	MW	**AM**
Frequency Coverage	522 to 1620 kHz	530 to 1710 kHz
IF	450 kHz	450 kHz

Sensitivity (S/N=20dB)	32 dBu	32 dBu

W.B

Frequency Coverage	162.40 to 162.55 MHz
IF	10.7MHz
Sensitivity (S/N=30dB)	8μV

TROUBLE SHOOTING

Always check wiring connection first. If any of the problems persist consult your nearest service dealer.

Symptom	Cause	Solution
No power.	The ignition switch is not on.	If the power supply is connected to the accessory circuits, but the engine is not moving, switch the ignition key to "ACC".
	The fuse is blown.	Replace the fuse.
Disc cannot be loaded or ejected.	Inserting the disc in reverse direction.	Insert the disc with the label facing upward.

	Compact disc is extremely dirty or detective disc.	Clean the disc or try to play a new one.
	The ambient temperature is too high.	Allow to cool off until the ambient temperature returns to normal.
	Condensation.	Leave the player off for an hour or so and then try again.
No sound.	Volume set at minimum	Adjust volume to a desired level.
	Wiring is not properly connected.	Check wiring connection.
Sound skips.	The installation angle is more than 30 degree.	Adjust the installation angle less than 30 degree.
	The disc is extremely dirty or defective disc.	Clean the disc or try to play a new one.
The operation keys do not work.	The built-in microcomputer is not operating properly due to noise.	Press the RESET button.

The radio does not Work. The radio station automatic selection does not work.	The antenna cable is not connected.	Insert the antenna cable firmly.
	The signals are too weak.	Select a station manually.

WARRANTY INFORMATION

This unit is warranted to be free of defects in material and workmanship for a period of one year. Warranty is subject to proper installation and operation within the published specifications. Except as provided below, Poly Planar will repair or replace, at its discretion, any product returned prepaid to our facility and determined to be defective. Poly Planar is not liable for consequential damages

LIMITS OF LIABILITY

Poly Planar warranty does not cover damage occurred in transit, accident, abuse, misuse, negligence, fire, flood, lightning or unauthorized service. This warranty assumes no responsibility for damages incurred during installation of this equipment. This warranty covers normal consumer use only. In no event shall Poly Planar be liable for special, incidental, or consequential damages.

To obtain service under this warranty, please call Poly-Planar for a RETURN AUTHORIZATION NUMBER.

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