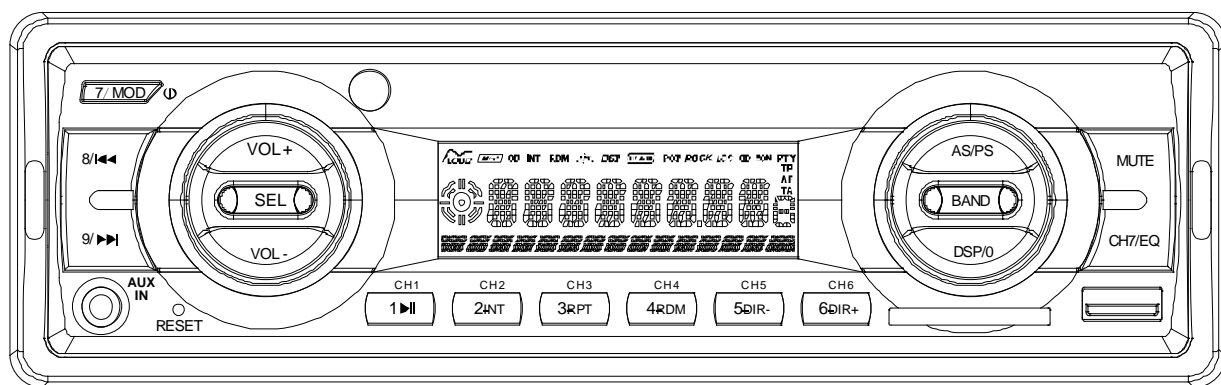# PYLE®

PLMR87WB
OWNER'S MANUAL
Mobile Audio System

- Electronic Volume/Bass/Treble/ Fader/Balance Control
- Digital Green LCD Display Panel
- Built-in Weatherband
- RCA Line Output
- Mute/Clock
- Seek/Scan Function
- 30 Radio Preset Station Memory 18FM-12AM
- EQ Preset (Flat,Classic,Rock,Pop)
- Marine Coating
- USB/SD/MMC Function
- Front Aux Input
- 200 Watts Total Output (4 X 50 Watt)
- One pair RCA Line out
- Black Unit Color
- AM Frequency Range: 530~1710kHz
- FM Frequency Range: 87.5~107.9MHz
- Wireless Remote control
- Dimensions: 7"W x 4.72"D x 1.96"H

www.pyleaudio.com

C E

CONTENTS

INSTALLATION

Notes:
- Choose the mounting location where the unit will not interfere with the normal driving function of the driver.
- Before finally installing the unit, connect the wiring temporarily and make sure it is all connected up properly and the unit and the system work properly.
- Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.
- Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.
- Install the unit where it does not get in the driver's way and cannot injure the passenger if there is a sudden stop, like an emergency stop.
- If installation angel exceeds 30° from horizontal, the unit might not give its optimum performance.
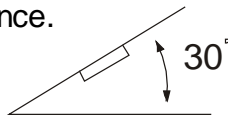
- Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from the heater, or where it would be subject to dust, dirt or excessive vibration.

DIN FRONT/REAR-MOUNT

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.

DIN FRONT-MOUNT (Method A)
Installation Opening

This unit can be installed in any dashboard having an opening as shown below:
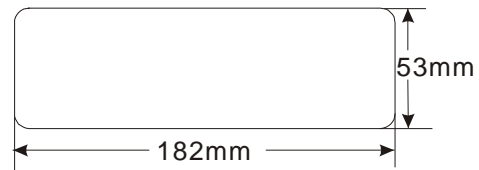
Installing the unit

Be sure you test all connections first, and then follow these steps to install the unit.

1. Make sure the ignition is turned off, and then disconnect the cable from the vehicle battery's negative (-) terminal.
2. Disconnect the wire harness and the antenna.
3. Lift the top of the outer trim ring then pull it out to remove it.
4. The two supplied keys release tabs inside the unit's sleeve so you can remove it. Insert the keys as far as they will go (with the notches facing up) into the appropriate slots at the middle left and right sides of the unit. Then slide the sleeve off the back of the unit.
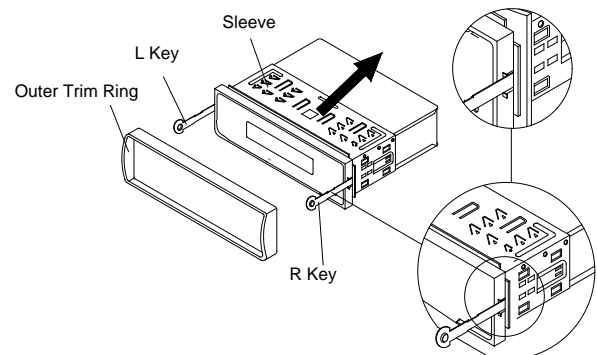
5. Mount the sleeve by inserting the sleeve into the opening of the dashboard and bend open the tabs located around the sleeve with a

screwdriver. Not all tabs will be able to make contact, so examine which ones will be most effective. Bending open the appropriate

tabs behind the dashboard to secure the sleeve in place.

Dashboard

Tabs

Screwdriver
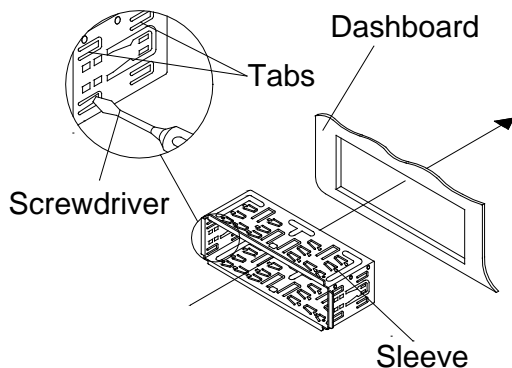
Sleeve

6. Reconnect the wire harness and the antenna and be careful not to pinch any wires or cables.
7. Slide the unit into the sleeve until it locks into place.
8. To further secure the unit, use the supplied metal strap to secure the back of the unit in place. Use the supplied hardware (Hex Nut (M5mm) and Spring Washer) to attach one end of the strap to the mounting bolt on the back of the unit. If necessary, bend the metal strap to fit your vehicle's mounting area. Then use the supplied hardware (Tapping Screw (5x25mm) and Plain Washer) to attach the other end of metal strap to a solid metal part of the vehicle under the dashboard. This strap also helps ensure proper electrical grounding of the unit. Note to install the short threading terminal of the mounting bolt to the back of the unit and the other long threading terminal to the dashboard.

Spring Washer Hex Nut

Metal Strap

Mounting Bolt

Plain Washer

Tapping Screw

9. Reconnect the cable to the vehicle battery's negative (-) terminal. Then replace the outer trim ring.

Removing the unit
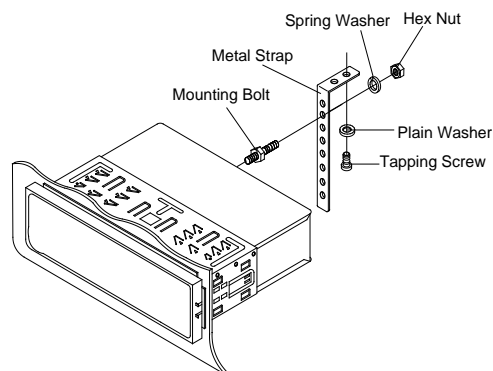
1. Make sure the ignition is turned off, then disconnect the cable from the vehicle battery's negative (-) terminal.
2. Remove the metal strap attached the back of the unit (if attached).
3. Lift the top of the outer trim ring then pull it out to remove it.
4. Insert both of the supplied keys into the slots at the middle left and right sides of the unit, then pull the unit out of the dashboard.
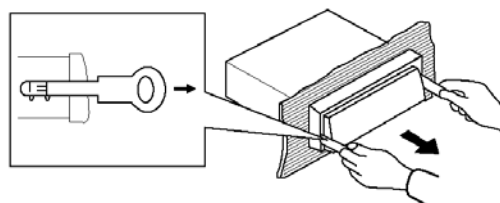
DIN REAR-MOUNT (Method B)

If your vehicle is a Nissan, Toyota, follow these mounting instructions.

Use the screw holes marked T (Toyota), N (Nissan) located on both sides of the unit to fasten the unit to the factory radio mounting brackets supplied with your vehicle.

INSTALLATION

Side View showing

T, N

Screw

Screw

Hook

Dashboard or Console

Screw Holes marked

Factory Radio
Mounting Bracket
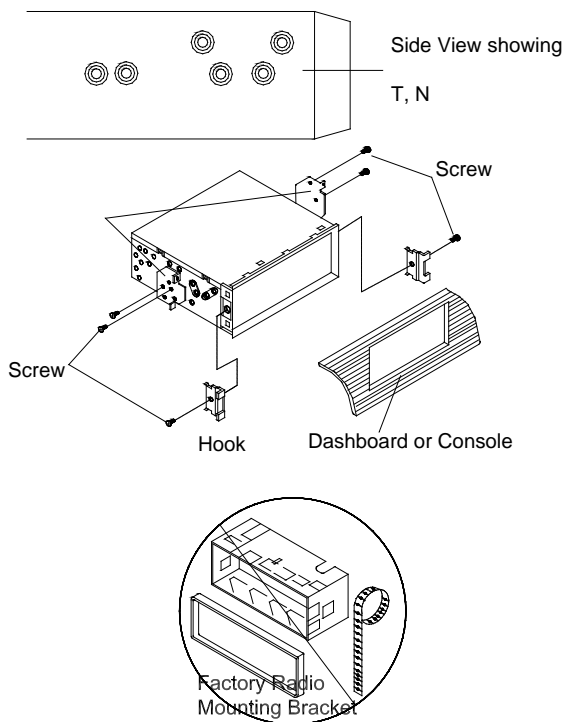
To fasten the unit to the factory radio mounting brackets.

1. Use a screwdriver to loose the hook's screws on the front left and right sides of the unit and remove the hooks.

2. Align the screw holes on the bracket with the screw holes on the unit, and then tighten the screws (5x5mm) on each side.

Note: the outer trim ring, sleeve and the metal strap are not used for method B installation.

WIRING CONNECTION

Part B

Part A

FUSE (15A)

Antenna Socket

LINE OUT

R-ch RED

L-ch WHITE

4-SPEAKER SYSTEM

8	(GREEN/BLACK)	⊖	⊖	Rear Left Speaker
7	(GREEN)	⊕	⊕	
6	(WHITE/BLACK)	⊖	⊖	Front Left Speaker
5	(WHITE)	⊕	⊕	
4	(GRAY/BLACK)	⊖	⊖	Front Right Speaker
3	(GRAY)	⊕	⊕	
2	(VIOLET/BLACK)	⊖	⊖	Rear Right Speaker
1	(VIOLET)	⊕	⊕	

8   Ground Wire (Black)

7   +12V Accessory/Switch (Red)

5   Power Antenna/Amplifier Turn On (Blue/Red)

4   +12V Constant Power Supply (Yellow)

6
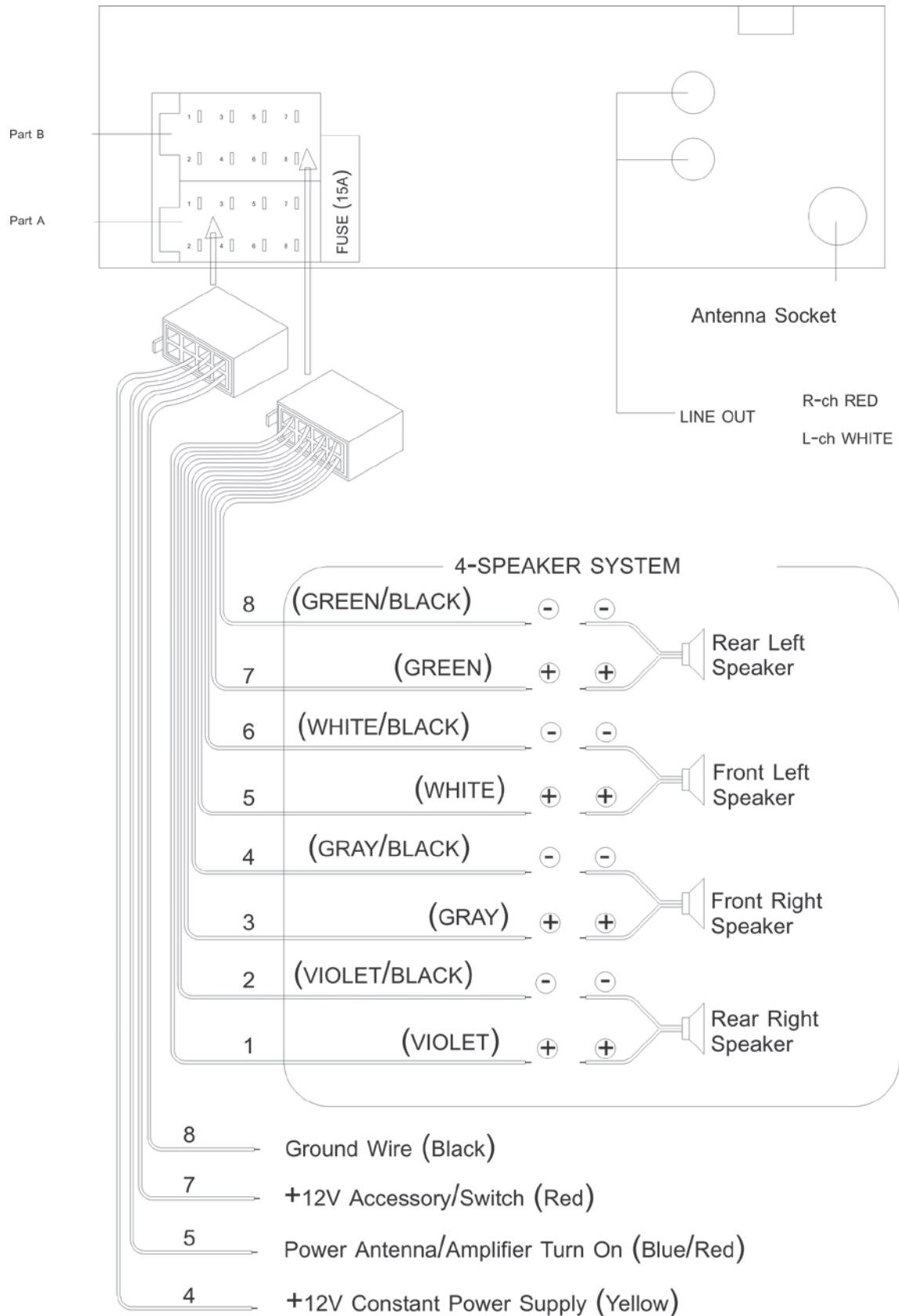
GENERAL OPERATION
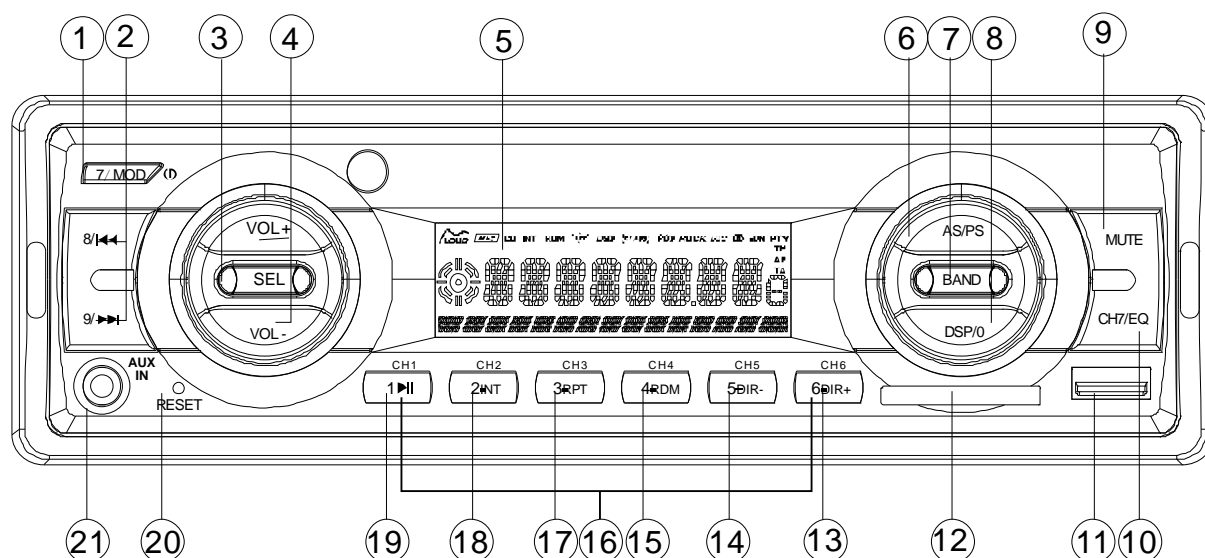
SWITCHING ON/OFF THE UNIT

Press any button to turn on the unit. When the unit is on, Press and hold ⏻ button (1) to turn the unit off.

SOUND ADJUSTMENT

Press **SEL** button (3) shortly to select the desired adjustment mode. The adjustment mode will change in the following order:

BAS → TRE → BAL → FAD → EQ → VOL

By pressing the vol+/- button (4) to adjust the desired sound quality.

LIQUID CRYSTAL DISPLAY

Exhibit current frequency and activated functions on the display (5).

AUXILIARY INPUT

The unit can be connected to a portable audio player through the **AUX IN** jack (21).

USB INTERFACE

On the front panel of the unit, there is an USB interface (11). You can connect an USB driver through this interface (11).

DISPLAY

Repeatedly press DSP button(8) to show the information as below:

TIME->FREQ.->PTY->PS

It will return back to current state after 5 seconds.

Adjust the clock

In time mode. Press and hold for 2 seconds. The "HH" will flash, Use ◄◄ / ►► button (2) to change the HOUR. Press DSP again. The "MM" will flash. Use ◄◄ / ►► button (2) to change the minute. Press and hold it again will exit this mode after finished. Or it will exit this mode automatically after 10 seconds.

RESET FUNCTION

RESET button (20) must be activated with either a ballpoint pen or thin metal object. The **RESET** button is to be activated for the following reasons:

- Initial installation of the unit when all wiring is completed.
- All the function buttons do not operate.
- Error symbol on the display.

MUTE

GENERAL OPERATION

Press **MUTE** button (9) to mute down the sound instantly. If any button is pressed in the mute state, the mute state is released.

EQUALIZATION

Press **EQ** button (10) shortly to turn on equalization function and to select desired
audio mode. There are five kinds of mode as below:

→FLAT→POP→CLASS→ROCK→EQ OFF

RADIO OPERATION

SWITCHING TO RADIO MODE

Press **MODE** button (1) shortly to select radio mode, the radio mode appears in the display together with the memory band and frequency.

SELECTING STATION

Press 8 ►► / ◄◄ 9 button (2) shortly to activate automatic seek function. Press for several seconds until "**MANUAL**" appears on the display, the manual tuning mode is selected. If both buttons have not been pressed for several seconds, they will return to seek tuning mode and "**AUTO**" appears on the display.

WEATHER BAND

CH1	CH 2	CH 3	CH 4
162.550MHz	162.400MHz	162.475MHz	162.425MHz
CH 5	CH 6	CH 7	
162.450 MHz	162.500 MHz	162.525 MHz	

AUTOMATIC MEMORY STORING & PROGRAM SCANNING

- Automatic memory storing

Press **AS/PS** button (6) for several seconds, the radio searches from the current frequency and checks the signal
strength until one cycle search is finished. And then the strongest stations are stored into the corresponding preset number button.

- Program scanning
  Press **AS/PS** button (6) shortly to scan preset station which is stored in button 16(1~6).

STATION STORING

Received a desired station then press one of the preset button (16) (1 to 6) for 2 seconds, current station will be stored into the number button.

SELECTING THE FREQUENCY BAND

At radio mode, press **BND** button (7) shortly to select the desired band.
The reception band will change in the following order:

→FM1 → FM2 → FM3 → MW1 → MW2

USB PLAY OPERATION

On the front panel of the unit, there is an USB interface (11). You can connect an USB driver through this interface .

When you connect an USB driver through the interface, the unit will search the MP3 or WMA files in the USB driver and start to play MP3 or WMA files automatically.

If in other mode, you can also press **MODE** button (1) to select USB mode.
The operation please refer to the following instruction.

SELECTING SONGS IN SINGLE STEP

Press ◄◄ / ►► button (2) to move to the

GENERAL OPERATION

previous song or the following song. Track number shows on display.

SELECTING DIRECTORY UP/DOWN

Press **DIR**+ button (13) or **DIR**- button (14) to select directory downward or upward. If the MP3 disc does not contain any directory, there is no function of pressing **DIR**- button (14)

or **DIR** + button (13).

PAUSING PLAYING

Press **PAU** button (19) to pause playing. Press it again to resume playing.

PREVIEWING ALL FILES

Press **SCN** button (18) to **INTRO** each file stored in USB device. Shortly press again to stop intro and start to play.

REPEATING PLAYING

Press **RPT** button (17) for 1 time. It will show "RPT ONE". It will continuously repeat the same file.
Press **RPT** button (17) for 2 times. It will show "RPT DIR". It will repeat all files of the current directory.
Press **RPT** button (17) for 3 times. It will show "RPT ALL". It will repeat all the files.

PLAYING IN RANDOM ORDER

Shortly press **SHF** button (15) to play all files in random order. Press it again to cancel the function.

CAUTION：

When there are important files in the USB
device, do not connect it to the main unit to play, because any wrong operation may cause files loss. And our company assumes no responsibility for this.

SD/MMC OPERATION

There is a SD/MMC interface (12) on the front panel of the unit.
When you insert a SD/MMC card in the SD/MMC interface, the unit will search the MP3 or WMA files in the card and start
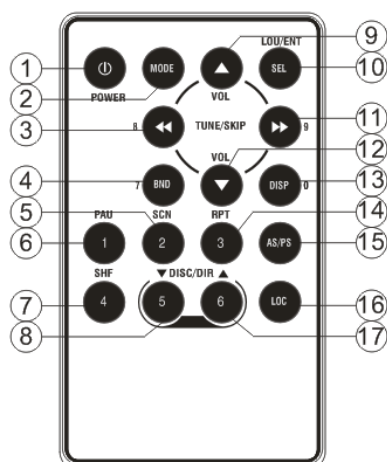to play automatically.
The operation is the same with the USB play operation described above.
If in other mode, you can also press **MODE** button (1) to select SD/MMC mode.
When there are important files in the SD/MMC card, do not connect it to the main unit to play.

REMOTE CONTROL HANDSET(OPTIONAL)

FUNCTION KEY & CONTROL

1.	POWER	Power ON/OFF Button
2.	MODE	Mode Botton(S,T,U,7,For MP3/WMA Operation)
3.	TUNE/SKIP◄◄ (8)	Tune/SKIP Down Button(V,W,X,8 For MP3/WMA Operation)
4.	7/BND	Band Select Button(When pressed shortly)
5.	SCN	Scanning Button(D,E,F,2 For MP3/WMA Operation)
6.	PAU	Pause Button (A,B,C,1 For MP3/WMA Operation)
7.	SHF	Shuffle Button (J, K, L 4 For MP3/WMA Operation)
8.	DIR▼	DIR▼ Button
9.	VOL▲	Volume Up Button (Character Select (A,B~8,9,0)For MP3/WMA Operation)
10.	SEL (LOU/ENT)	Sound Mode Select Button (Character Shift Right For MP3/WMA Operation) Loudness Button (When pressed long) (Enter Button For MP3/WMA Operation)
11.	TUNE/SKIP►► (9)	Tune/SKIP Up Button(Y,Z,SPACE,9 For MP3/WMA Operation)
12.	VOL ▼	Volume Down Button (Character Select(A,B~8,9,0)For MP3/WMA Operation)
13.	DSP(0)	Display Button(_,-,+,0 For MP3/WMA Operation)
14.	RPT	Repeat Button(G,H,I,3 For MP3/WMA Operation)
15.	AS/PS(D-AUD)	Automatic Memory Storing & Program Scanning Button (Mode Select Button For MP3/WMA Operation)
16.	LOC	Local/Distant Select Button
17.	DIR▲	DIR▼ Button

SPECIFICATION

GENERAL

Power Supply Requirements   : DC 12 Volts, Negative Ground

Chassis Dimensions   : 178 (W) x 107 (D) x 50 (H)

Tone Controls

- Bass (at 100 Hz)   : $\pm$10 dB
- Treble (at 10 kHz)   : $\pm$10 dB

Maximum Output Power

- Version Y   : 4x50 watts

Current Drain

- 15 Ampere (max.) (For High Power Version)

RADIO

FM

Frequency Coverage	87.5 to 107.9 MHz
IF	10.7 MHz
Sensitivity (S/N=30dB)	4 μV
Stereo Separation	>25dB

MW

Frequency Coverage	530 to 1710 kHz
IF	450 kHz
Sensitivity (S/N=20dB)	36 dBu

TROUBLE SHOOTING

Before going through the checklist, check wiring connection. If any of the problems persist after checklist has been made, consult your nearest service dealer.

Symptom	Cause	Solution
No power.	The car ignition switch is not on.	If the power supply is connected to the car accessory circuits, but the engine is not moving, switch the ignition key to "ACC".
	The fuse is blown.	Replace the fuse.
No sound.	Volume is in minimum	Adjust volume to a desired level.
	Wiring is not properly connected.	Check wiring connection.
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.