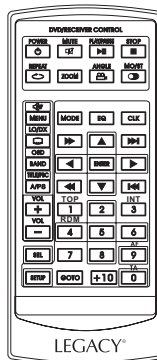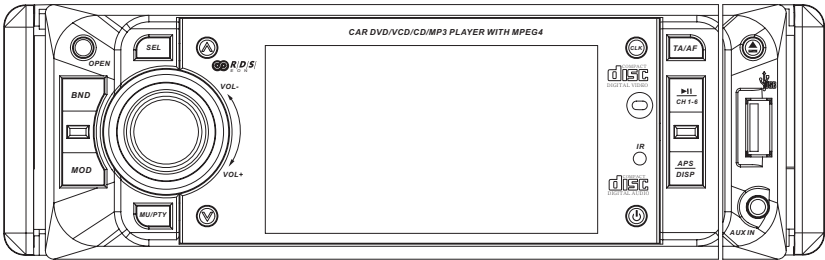# LEGACY®

LD63MU

OWNER's MANUAL
Mobile Video System

- **FLIP DOWN AND DETACHABLE PANEL**
- **3.6 INCH WIDE TFT COLOR LCD SCREEN**
- **CAR DVD/VCD/CD/MP3 PLAYER**
- **AM/FM-RDS DIGITAL PLL TUNING RADIO**
- **MPEG4 PLAYER**
- **USB CONNECT**

www.legacycaraudio.com

CONTENTS

SAFETY INFORMATION

CAUTION:

This DVD Player Is A Class I Laser Pro-
duct. However This DVD Player Uses
A Visible/invisible Laser Beam Which
Could Cause . Hazardous Radiation
Exposure If Directed.
Be Sure To Operate The Dvd Player
Correctly As Instructed.
Use Of Controls Or Adjustments Or
Performance Of Procedures Other Than
Those Specified Herein May Result In
Hazardous Radiation Exposure. do Not
Open Covers And Do Not Repair Your-
self. Refer Servicing To Qualified
Personnel.

REGION MANAGEMENT INFORMATION:

This DVD Player is designed and manu-
factured to respond to the Region
Management Information that is record-
ed 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.

WARNING:

TO REDUCE THE RISK OF FIRE OR
ELECTRIC SHOCK, DO NOT EXPOSE
THIS EQUIPMENT TO RAIN OR
MOISTURE.
TO REDUCE THE RISK OF FIRE OR
ELECTRIC SHOCK, AND ANNOYING
INTERFERENCE, USE ONLY THE
RECOMMENDED ACCESSORIES.
THIS DEVICE IS INTENDED FOR
CONTINUOUS OPERATION.

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 Macro
vision Corporation, and is intended for
home and other limited viewing uses
only unless otherwise authorized by
Macrovision Corporation.
Reverse engineering or disassembly is
prohibited.

DISC NOTES

Disc formats supported by this player

DVD	**DVD**	Audio and Video Disc size 12 cm
VCD	COMPACT disc DIGITAL VIDEO	Audio and Video Disc size 12 cm
CD	COMPACT disc DIGITAL AUDIO	Audio Disc size 12 cm
MP3	MP3 CD-RW	Audio Disc size 12 cm

Discs which cannot be played with this player

- DVD-ROM
- DVD-RAM
- CDV
- CD-G

Handling and Cleaning

- Dirt, dust, scratches and warping disc will cause misoperation.
- Do not place stickers or make scratches on discs.
- Do not warp discs.
- A disc should always be kept in its case when not in use to prevent from damaging.
- Do not place discs in the following places:
  1. Direct sunlight
  2. Dirty, dusty and damp areas
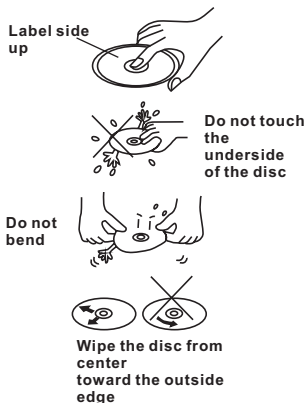 3. Near car heaters
  4. On the seats or dashboard

Disc Cleaning

Use a dry soft cloth to wipe the surface. If the disc is quite dirty, use a soft cloth slightly moistured with isopropyl (rubbing) alcohol. Never use solvents such as benzine, thinner or conventional record cleaners as they may mar the surface of the disc.
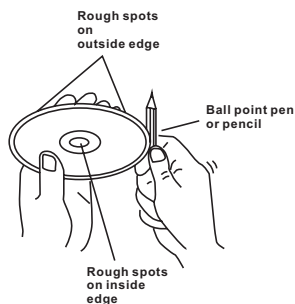
Note:

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

Label side up

Do not touch the underside of the disc

Do not bend

Wipe the disc from center toward the outside edge

Preparing New Discs with Rough Spots

A new disc may have rough edges on its inside and outside edges. If a disc with rough edges is used, the proper setting will not be performed and the player will not play the disc. Therefore, remove the rough edges in advance by using a ball point pen or pencil as shown on the right. To remove the rough edges, press the side of the pen or pencil against the inside and outside edges of the disc.

Rough spots on outside edge

Ball point pen or pencil

Rough spots on inside edge

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 instal-lation 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 angle exceeds 30 from horizontal, the unit might not give its optimum performance.
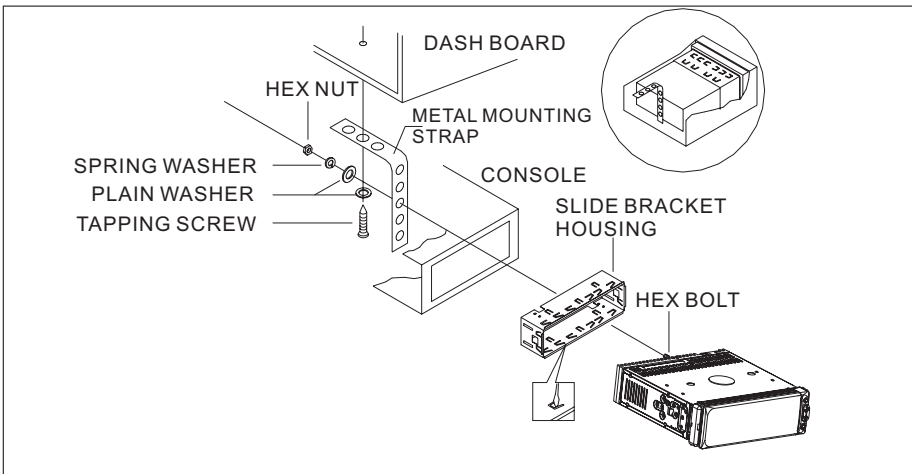
30
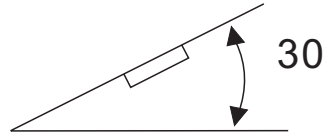
Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from the heater, or where it would be subject to dust, dirt or excessive vibration.
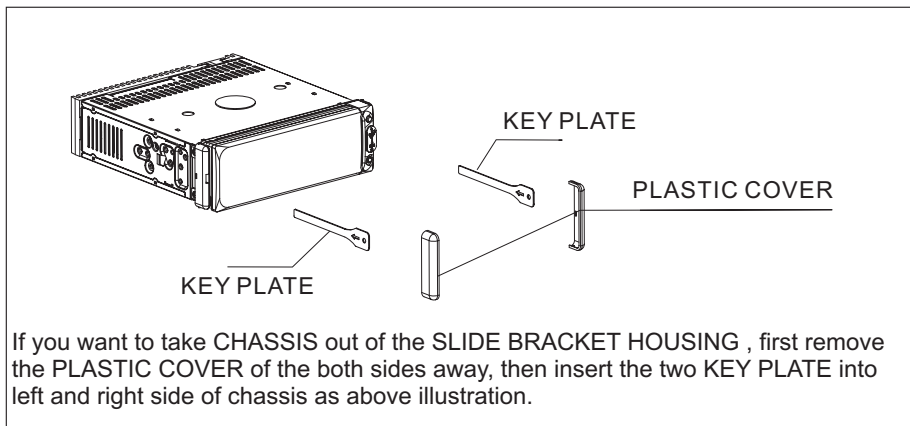
DIN FRONT/REAR-MOUNT

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.
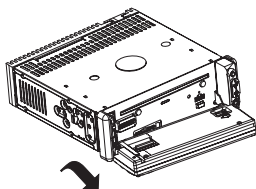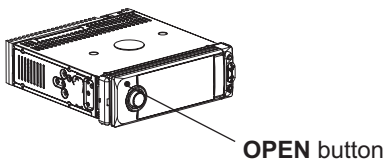
DASH BOARD

HEX NUT

METAL MOUNTING STRAP

SPRING WASHER

PLAIN WASHER

TAPPING SCREW

CONSOLE

SLIDE BRACKET HOUSING

HEX BOLT

INSTALLATION

KEY PLATE

PLASTIC COVER

KEY PLATE

If you want to take CHASSIS out of the SLIDE BRACKET HOUSING , first remove the PLASTIC COVER of the both sides away, then insert the two KEY PLATE into left and right side of chassis as above illustration.
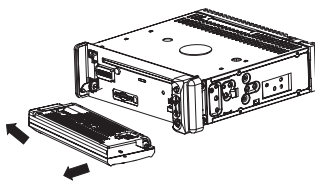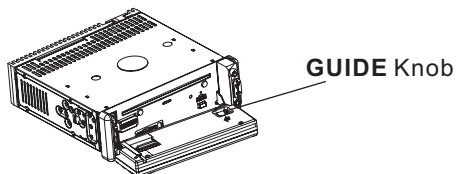
DETACHING THE FRONT PANEL

1. Press the **OPEN** button to flip down the front panel .

2. Slide the guide knob to remove the right side first, slide it to the left, and pull it off towards you .

OPEN button

GUIDE Knob

INSTALLATION

3. put it in the protective case for safe keeping.

PROTECTIVE CASE
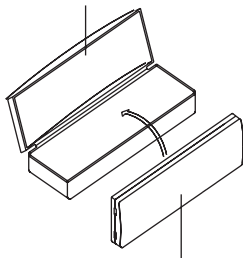
FRONT PANEL

REPLACING THE FRONT PANEL

1. First, insert the left side of the front panel into the main unit.

Bulge   Bulge
Hollow   Hollow
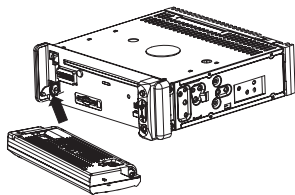
2. Push the right side of the front panel until it locks firmly into the main unit, at one time, insert the right side of the front panel into the main unit .

3. Push it back to the position for playing

ELECTRIC CONNECTION

WIRING CONNECTION

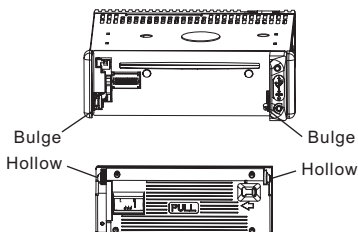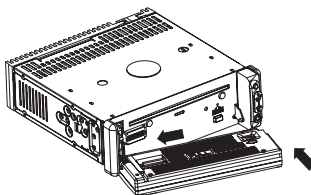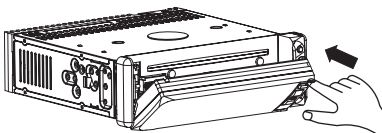FRONT RCA RED R
VIDEO OUT 1 YELLOW
FRONT RCA WHITE L
GREY SUBWOOFER
VIDEO OUT 2 YELLOW
COAXIAL OUT BROWN

RCA cable

RCA cable/output rear (optional)

RCA cable/output front

RCH RED

LCH WHITE

Radio antenna jack

IGNITION SWITCH(B+) — RED

MEMORY BACK-UP(B+) — YELLOW

GROUND(B-) — BLACK

CHOKE BOX

AUTO ANTENNA — BLUE

FUSE

BROWN — (B+)12V REAR CAMERA SWITCH
ORANGE — (B-)PARKING BRAKE
YELLOW — REAR CAMERA INPUT

FRONT Lch SPK. — WHITE / WHITE/BLACK

FRONT Rch SPK. — GREY / GREY/BLACK

REAR Lch SPK. — GREEN / GREEN/BLACK

REAR Rch SPK. — VIOLET / VIOLET/BLACK

Note:

the earth connection cable (parking brake B-) must be connected in order for DVD pictures to be played back to the monitor. If the cable has not been correctly connected, the message "PARKING BRAKE" appears on the monitor.

REMOTE CONTROL
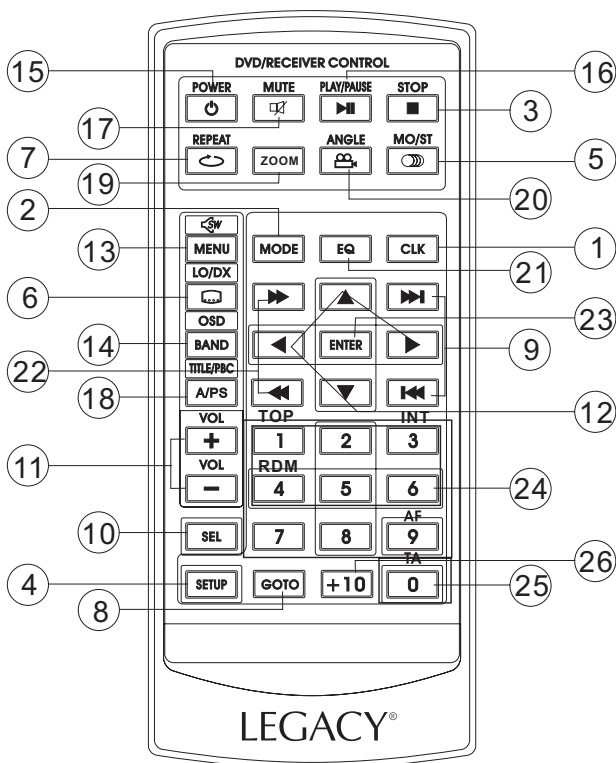

1. CLK Press it briefly to show / hide the clock, press longer to set the time.

2. MODE Press it to change between RADIO ,DISC and AUX IN mode.

3. STOP Press it to stop playback, press PLAY/PAUSE to resume playback .

4. SETUP Press it to open the SETUP menu.

5.MO/ST(◌) In radio mode, press it to select STEREO or MONO mode (In disc mode, press it to changing of the AUDIO soundtrack on multiaudio soundtrack DVD disc. Changing of the sound mode of the VCD/CD disc.)

6. LO/DX(▭) Changing of the SUBTITLE language on multi-subtitle language DVD disc. In radio mode, Press this button for distance reception when you are located at weak signal location, depress it for stronger signal.

7. REPEAT/ ↻ Switch the Repeat mode of DVD/VCD/CD/MP3 disc.

8.GOTO Press this button to begin playback at a moment in the program you designate. Use the number buttons to enter the data that is needed.

REMOTE CONTROL

9. ◄◄ **/** ►► Press ►► to skip to the next track & press ◄◄ to skip back one track. (Note: In DVD mode, press continually the ◄◄ twice to skip back one track.)

10. SEL Press this button repeatedly to cycle through the various audio and video adjustments you can make: Such as Volume, Bass, Treble, Balance, Fader, Color, BG Color, Brightness, etc .

11. VOL+/VOL- Press it to adjust volume level .

12. ▲**/** ▼**/** ►**/** ◄ Use these buttons to navigate the various menus present in the product.

13. MENU/SUBWOOFER(⟨SW⟩) Press it to display the root menu of the DVD disc. Press it longer to switch the Subwoofer ON and OFF.

14. BAND(OSD) In Radio mode, press this button repeatedly to switch between the five radio bands .
In Disc Playback modes, Press this button to see information about the disc currently in play.

15. POWER (⏻) Press it to turn on the unit , press it again to turn off.

16. PLAY/PAUSE(►II) In DISC mode, starting playback, stopping picture/track. In Radio mode, PTY selection of the program type.

17. MUTE Press this button to turn off the audio. Press again to restore the sound to its prior volume level.

18. TITLE/PBC (A/P) Display the TITLE menu that is stored in DVD disc changing between PBC ON and PBC OFF on the VCD disc.(Auto store and preset scan function in radio stations .)

19. ZOOM Allows the picture to be increase in size .

20. ANGLE Changing of the view angle on multi-angle DVD disc.

21. EQ Press it to turn to equalization function.

22. ►► **/** ◄◄ Press ►► to start forward rapidly & ◄◄ to reverse rapidly.

23. ENTER Confirm the Track/Chapter selected with the number key or selected with the cursor buttons on TV screen.

24. RADIO PRESET Six preset memory buttons.

**25. 0 - 9** Numeric buttons. In radio mode, 0 and 9 act as TA/AF.

26. +10 Tens digit select button, cooperatively used with numeric buttons.

REMOTE CONTROL

PREPARING THE REMOTE CONTROL

Inserting the Batteries

1. First push to inside as the direction indicated by the arrow (See ❶)and then Remove the battery holder as the direction indicated by the arrow (See ❷).

2. Replace the battery Set a new battery property with (+)side up as illustrated (See ❸).

3. Insert the battery holder. Push in the holder to the original position(See ❹).
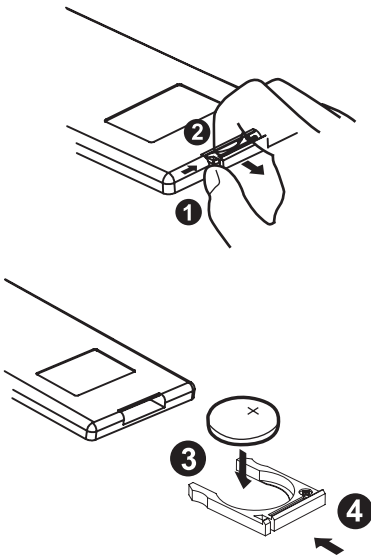
USING THE REMOTE CONTROL

1. Face the remote control towards the player front face IR mark (remote control signal receiver).

2. Operation angle: About ± 30 degree in each the direction of the front of the IR mark.

BASIC OPERATION
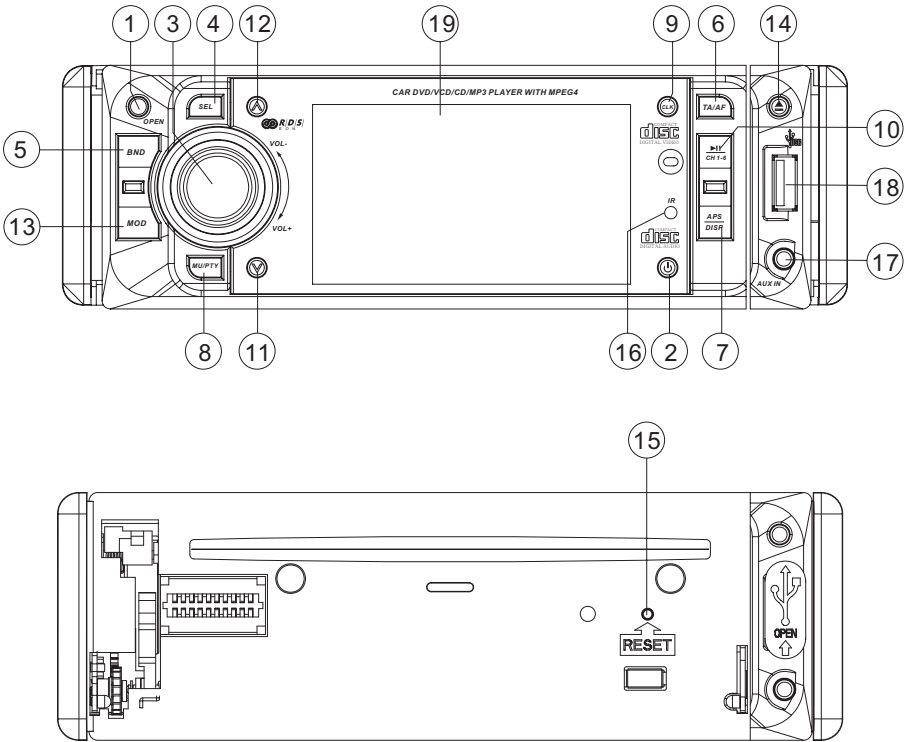
1. OPEN Button
Press it to flip down the front panel , then you can insert the CD disc into the CD compartment. You can also press the Eject button(14) to eject the disc.

2. ⏻ (POWER On/Off) BUTTON
Press this button to switch the device On, WELCOME appears in the display. Press it again to switch the device Off, SEE YOU appears in the display.

3. VOL Multifunction Button
In normal mode, this knob is used to increase or decrease the volume.
If the SEL knob is pressed beforehand, changed can be made in the menus, e.g. Sound mode .

4. SELECT Knob
To access the available adjustment settings for audio and video, press this knob repeatedly to cycle through and select them :

Volume - Bass - Treble - Balance -
- Fader - Tint - Contrast - Bright - Color -
BG Color .

The settings of the individual menu items are changed by turning the multifunction button VOL (3)

5. BAND Button
In Radio mode, press this button repeatedly to cycle through and select the desired radio band, the designation of the corresponding level- FM1, FM2, FM3, AM1(MW1), AM2(MW2)- is shown in the TFT.

BASIC OPERATION

6.TA/AF BUTTON
TA Function [traffic Announcement] Button(for Rds Only)
In RADIO mode
When you press the TA/AF button, the TA function is activated, the TA symbol appears in the display .
(press it again to turn off .)
During radio operation in one FM frequency band the search for a traffic announcement station is started automatically (TA SEEK) . If an FM station is being received which transmits the latest traffic announcements from time to time, the TP display lights up.
If an FM station is being received which transmits the latest traffic announcements automatically interrupt CD operation (the word TRAFFIC appears in the display).
The volume level is increased to the minimum value for the transmission of traffic announcements. After the traffic announcements has finished, the programe that was previously running is resumed.

AF [Alternative Frequencies]
When press and hold the TA/AF button more than 2 seconds, it is activated as AF mode ON or OFF .
Segment off: AF switching mode off.
Segment on: AF switching mode on, the radio continuously tests the signal strength of the AF frequency. Whenever the new AF frequency is stronger than the station that is currently tuned in, the radio switches to this frequency for a short time and the message "NEW FREQUENCY" is displayed for one to two seconds.
Segment flashing: AF switching mode is selected, but RDS information is not received yet.
When press the SEL button for a longer time to access the selection menu:
REG ON/ REG OFF, PI MUTE/PI SOUND, AF OFF/ AF ON.
Regional mode ON
PI CODE is checked when AF CHECK in progress
Regional mode OFF
PI CODE and COVERAGE AREA is not checked when AF check in progress.

7.APS/DISP Button
Automatic Memory Function:
In Radio mode, press and hold the APS/DISP button for about 2 seconds to active automatic station storage. The radio searches within the current frequency band, e.g. FM1, for the strongest station are then allocated to the corresponding storage locations. Then the station of the first storage location is set. If you would like to search for more stations in the FM band, press the BND button(5) in order to change to the FM2 or FM3 band. Press it longer again for about 2 seconds to continue search.
Program Scan Function:
In Radio mode, press it briefly to scan and play all the preset sations in order, and it will hold at each band for about 5 seconds . If you like one of them, press the PLAY/PAUSE button to stop the scanning .
Display ON/OFF Function:
In Disc mode, press the APS/DISP button briefly to turn off the display image (the monitor on the unit only) , the sound will stay on. (Press it again to resume the playback picture mode.)
You can press SEL knob briefly to select the "BG COLOR" by repeatedly pressing the SEL knob, then rotate the VOL+/- to select the background color among of the "AUTO, BG COLOR: 01........
BG COLOR: 11", in " AUTO" mode, the monitor of unit will change the background color automatically.

8.MUTE/PTY Button
Press this button to turn off the audio. Press again to restore the volume to the prior level. You can also disable the MUTE function by turning the VOL +/- knob.
 In Radio Mode, press this button and hold for a bout 2 seconds to select the PYT of the grogram type (examples of such types of program are : NEWS, POP.....)

BASIC OPERATION

9.CLK Button
Press it to change the display to clock display. Press it again to return to previous display. In clock display, press and hold for about 2 seconds until the hour display flashes, rotate VOL+/- button to adjust hours . Press it again, the minute display flashes , rotate VOL+/- button to adjust minutes.

10. ▶II /CH 1-6 (RADIO PRESET)
a). In Disc Playback Mode
Press this button to pause playback, press it again to resume playback.
B). In Radio Mode
Press this button repeatedly to preset station. With this system a total of 30 stations can be stored in the memory . Each band store up to six preset stations. The stations might be FM1, FM2, FM3, AM1 (MW1) and AM2 (Mw2) band. The operation as below:
- store in memory
press and hold the desired memory location for several seconds, the current listening station will be stored into the number location.
- retrieve a preset station
press it button repeatedly to retrieve a station which had been stored in the memory in advance the chosen number is shown on display.

**11/12 . ∨ / ∧ Buttons
(tune, Seek, Track, Skip Up/down)**

a) In DISC, USB mode:
if you wish to jump forwards or back-wards press briefly the ∧ or ∨ button .
(Note: during the DVD playback , press the ∨ button continually twice to skip back one track during playback.)
Press and hold up for more than two seconds to begin Fast Forward (or down for Fast Reverse) mode. Press the button again as needed, to cycle thru the range of available speeds.

DVD/VCD/CD/MP3:

Normal Playback 2x ➡ 4x ➡ 8x ➡ 16x
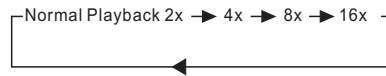
b) In Radio Mode:
Press briefly the ∨ or ∧ button to manu-ally tune the radio in single steps. Press and hold for two seconds to start the search for a radio station automatically.

13. MOD BUTTON
Press it repeatedly to select AUX IN , RADIO and DISC mode. During the USB playback, you can press STOP button and then press GOTO button to select the DISC mode.

14. ⏏ (EJECT) Button
In DISC playing ,Press the Open button (1) to flip down the front panel, then you can press the this button to eject the disc .

15. RESET Button
RESET button is placed on the housing and must be activated with either a ballpoint pen or thin metal object. The RESET button is to be activated for the following reasons:
A. Initial installation of the unit when all wiring is completed.
B. All the function buttons do not operate.
C. Error symbol on the display.

16. IR sensor

17. AUX INPUT JACK
For information about using an AUX IN audio source, please see page 15.

18. USB PORT
For information about connecting a USB device, please see page 17.

**19. TFT Display
(liquid crystal display)**
The operation of the TFT, please see page 16.

BASIC OPERATION

ADDITIONAL FUNCTIONS ONLY PRESENT ON REMOTE CONTROL

1/TOP BUTTON

In VCD, CD or MP3 playback mode, pressing this button will select and play the first track or chapter on the disc. (Please note: this button does not have this function in DVD mode .)

REPEAT BUTTON

Pressing the repeat button repeatedly allows you to cycle through and select one of the REPEAT modes available as follows :

DVD:

CHAPTER REPEAT ON → TITLE REPEAT ON

REPEAT ALL ←

VCD/CD/MP3:

REP-ONE → REP-ALL

1). Continuously repeat at the current chapter/track, when selected REP-ONE mode.
2). Select REP-ALL mode to continuously repeat all chapter/track on the current disc.
3). REPEAT feature does not support VCD2.0 (with PBC ON).

3/INT BUTTON

In CD playback mode, press this button to start the intro Scan Function .
The player will play the first six seconds of a track and then skip to the next and do the same, and so on .
If you hear a song you wish to continue listening to, press the button again .
(Please note : this button does not have this function in MP3 playback mode.)

In VCD playback mode, press and hold this button to display the following menu:

```
SELECT DIGEST TYPE:
TRACK DIGEST
DISC INTERVAL
TRACK INTERVAL
```

Use the UP, DOWN, LEFT and RIGHT arrows on the remote to select an item , and press ENTER to confirm .

In DVD playback mode, press and hold this button to display the following menu:

```
SELECT DIGEST TYPE:
TITLE DIGEST
CHAPTER DIGEST
TITLE INTERVAL
CHAPTER INTERVAL
```

Use the UP, DOWN, LEFT and RIGHT arrows on the remote to select an item , and press ENTER to confirm .
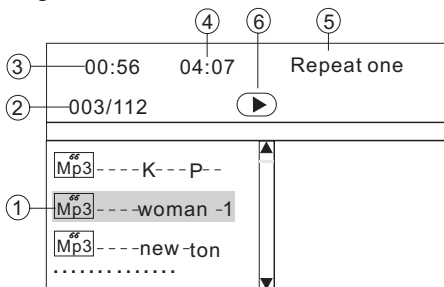
4/RANDOM BUTTON

In Disc playback mode, press this button to begin playback of all the tracks on the disc in RANDOM order . To return to normal playback mode, press it again .

BASIC OPERATION

MP3/WMA/JPEG/MPEG4 PLAYBACK

When you insert a disc which contains MP3, WMA or JPEG files, the different file types are detected, and a list of the files are produced, as shown in the diagram below :

```
        ④     ⑥      ⑤
③   00:56    04:07    Repeat one
②   003/112        (▶)

     ┌──────────────────────┐▲
     │ Mp3----K---P--        │
①    │ Mp3----woman -1      │
     │ Mp3----new-ton       │
     │ ..............       │▼
     └──────────────────────┘
```

①.Current track(file)(highlighted bar)
②.Current track (file) number/total number of tracks(files) in the current folder.
③.Elapsed playing time of the current track(not available for JPEG disc)
④.total playing time.(not available for JPEG disc)
⑤.Selected playback mode
⑥.Operation mode icon. ▶ (Play), ■ (stop), ❚❚(pause),▶▶(forward) ◀◀(reverse).

Use ▲/▼/▶/◀ on the remote control to select the item or folder, and press the ENTER button to confirm , then select the desired the track to play .

Pressing **REPEAT** button repeatedly can select repeat play mode.
REP-ONE:
Play the same song over and over again.
REP ALL:
Play all songs on the disc, then repeats the entire disc over and over again .

SKIP AHEAD / BACK
In playback mode, press the ▶▶❘ or ❘◀◀ buttons on remote to skip ahead or back one item in the list .

Fast Forward/ Fast Reverse Playback
In playback mode, press and hold (for More than two seconds) the ⋀ / ⋁ button on front panel to move to FAST FORWARD or FAST REVERSE play . You can also briefly press the ▶▶ or ◀◀ button on remote control to accomplish this .

AUX OPERATION

On the front panel of the unit, there is an AUX IN jack, Following the diagram below to connect analogue replay devices. Use this jack to replay sound of other replay equipment such as DVD players, computers, etc. Via the loudspeakers.
1). Please connect the external device with stereo jack plug the Aux in socket .
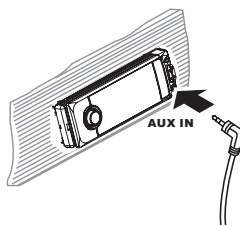
2). Press the MOD button to select the AUX IN connection .
3). Use the VOL+/- button you can change the volume level .

SCROLL CAPTION ADJUSTMENT
In Radio mode:
You can adjust the desired scroll caption, the method of the operation as follow:
a). Press and hold the SETUP button (for about 2 seconds) on the remote control, the adjustment scroll bar will display on the screen .
b). Use the VOL+/- to select among of the "A, B, C ….X, Y, Z, and blank ", and use the ⋀ / ⋁ button on front panel to ahead/back (proceed/cancel), and then press the setup button briefly to confirm . (Press it longer again to renew .)

BASIC OPERATION

VIDEO QUALITY ADJUSTMENT

In any video display mode, briefly press SEL knob repeatedly to cycle through and select the various audio and video parameters you may wish to adjust : (such as volume, bass, treble, balance, fader, color, bright, contrast, tint , BG color and Bluetooth . Then rotate the VOL + / - to adjust the selected mode. (The corresponding value will show on the display.)

Volume → Bass → Treble →Balance
                              ↓
                            Fader
                              ↓
Tint ← Contrast ← Bright ← Color

The video adjustments are made using a scale of 0-32 .

Adjustable Items:
COLOR: 0 to 32
Adjust the color fo the picture-lighter or darker.
BRIGHT: 0 to 32
Adjust if the picture is too bright or too dark.
CONTRAST: 0 to 32
Adjust the contrast of the bright and dark portion.
TINT: 0 to 32
Adjust the tint if the human skin color is unnatural.
-Adjustable when "NTSC " is selected for "NTSC/PAL " .

Rear View Camera

When connecting the rear view camera. the mirror image of the rear view through the rear view camera is automatically displayed on the monitor when you change the gear to the back position. (The monitor on the unit only.)

NOTE(For The Brake Function)

if the parking brake is not engaged, "parking brake" flashes on the monitor, and no playback picture will be shown. Only the audio will be heard.
-This warning appears only when the parking brake wire is connected to the parking brake system built in the car.

ALTERNATE AUDIO/VIDEO SOURCE

On the front panel of the unit , there is an AUX IN jack, to connect analogue replay devices. Use this jack to replay sound of other replay equipment such as DVD players, computers, etc. Via the loudspeakers.

1). Please following the diagram below, connect the external device with stereo jack plug the AUX IN socket .
2). Press the MOD button to select the AUX IN connection.
3). Use the buttons on the external device to operate it .

AUX IN

Headphones port
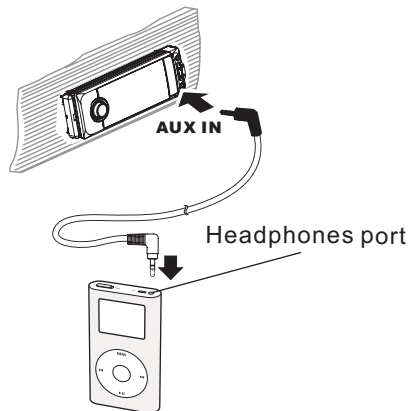
BASIC OPERATION

USB OPERATION

Following the diagram below, connect your USB device to the front panel USB port . If it is properly connected, the device will be mounted and start playing automatically.

USB port
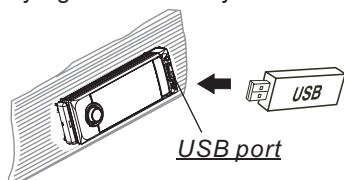
In USB Playback mode

Use the UP, DOWN, RIGHT or LEFT buttons to navigate to and select files to play, and press ENTER to begin playback (or viewing, in the case of JPEG files). To skip to the next or last track, press the ▶▶| or |◀◀ buttons. Press the ▶▶ or ◀◀ buttons for Fast Forward or Fast Reverse playback. **REPEAT** play modes are also available by repeatedly pushing **REPEAT** until the desired mode is found.

Changing From USB to DISC Playback Modes

If you are in USB Playback mode and wish to begin playback of a disc already in the player, press the STOP button once. Then press the GOTO button and the player will switch to DVD/VCD/CD/MP3 Playback mode.

Changing From DISC to USB Playback Modes

If the disc present in the player is an MP3 disc, press the STOP button once and press the GOTO button to USB playback. If the disc present in the player is an DVD or VCD or CD disc, press the STOP button twice and press the GOTO button to USB playback.

IMPORTANT NOTE:

to prevent damage to the USB device, do not remove or disconnect it during playback. it is also a good practice to remove the USB drive during disc playback.

On-Screen Display Function

Press the OSD button during playback to display information about the current disc . Pressing repeatedly will show you different data, as shown below . In this example, we are looking at the contents of a DVD disc .

A.Example for DVD:

a.Press OSD for the first time:

```
TITLE ELAPSED
TT 01/01  CH 01/38     0:02:06
```

b.Press OSD for the second time:

```
TITLE REMAIN
TT 01/01  CH 01/38    3:24:36
```

c.Press OSD for the third time:

```
CHAPTER ELAPSED
TT 01/01  CH 01/38    0:02:56
```

d.Press OSD for the fourth time:

```
CHAPTER REMAIN
TT 01/01  CH 01/38    0:04:32
```

e.Press OSD for the fifth time:
The message on the screen will be cleared.

B.Example for VCD/SVCD/CD:

a.Press OSD for the first time:

```
SINGLE ELAPSED
TRACK 01/16          00:49
```

b.Press OSD for the second time:

```
SINGLE REMAIN
TRACK 01/16          02:45
```

c.Press OSD for the third time:

```
TOTAL ELAPSED
TRACK 01/16          00:60
```

d.Press OSD for the fourth time:

```
TOTAL REMAIN
TRACK 01/16          78:46
```

BASIC OPERATION

e.Press **OSD** for the fifth time:
The message on the screen will be cleared for SVCD and VCD.
C.Example for MP3:
Each time OSD is pressed, the message displayed on screen changes as follows:

SINGLE ELAPSED → SINGLE REMAIN

Multi-audio Language Function
For DVD:
Press **AUDIO** during playback.
Each time the button is pressed, number of the audio soundtrack language changes on sequential order.
NOTES:
- The language number is different according to the disc.
- Some disc only contain one language soundtrack
- When no different language soundtrack are recorded ◎ will be display at screen left top corner.

For VCD/CD:
Press **AUDIO** during playback. It is possible to switch the sound between monaural and stereo sound.

MONO LEFT → MONO RIGHT → MIX-MONO
STEREO

Title Menu Function
For DVD:
If the DVD has multiple titles recorded on the disc. It can select preferred title from the title menu to start playback.
- Press **TITLE** during playback.The title menu is display.
- Press the cursor button shown in TV screen, select preferred title by the cursor button and confirmed by ENTER key.

For VCD:
Press **TITLE/PBC** button on the remote control while the disc is playing, you can switch between "PBC on"and "PBC off" mode.

Multi-subtitle Language Function
(for DVD Only)
Press **SUBTITLE** during playback.
Each time the button is pressed, number of the subtitle language changes in sequential order.

Notes:
- The language number is different according to the disc.
- Some discs only contain one subtitle language.
- When no different subtitle language are recorded, ◎ will be displayed at screen left top corner.

Multi-angle Function
(for DVD Only)
Press ANGLE during playback. Each time the button is pressed, number of the angle changes in sequential order.
Notes:
- The angle number is different according to the disc.
- The function only work for disc having scenes recorded at different angles.
- When no different angle are recorded, ◎ will be displayed at screen left top corner.
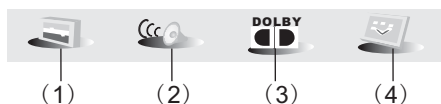
SETUP

ABOUT SETUP MENUS

--- GENERAL PAGE ---

-----General setup page----	
TV Display	LB
Angle Mark	ON
OSD Lang	ENG
Spdif Output	SPDIF/RAW
Captions	ON
Screen Saver	ON
Last Memory	ON
Go To General Setup Page	

Press **SETUP** button on the remote control to display the SETUP menu , Select the preferred item by using the ▶ /◀ /▼/ ▲ buttons, and press the ENTER button to confirm.

When you press SETUP on the remote control, the SETUP screen will be displayed. At the top of the screen are four icons, representing:

Overview Of The Main Menu

(1)   (2)   (3)   (4)

(1). GENERAL SETUP
(2). SPEAKER SETUP
(3). DOLBY DIGITAL SETUP
(4). PREFERENCES SETUP
Use the LEFT or RIGHT arrow button to select the desired setup menu and press ENTER to confirm.
In the following description, we begin with the GENERAL SETUP menu.

-----General setup page----	
TV Display	Normal/PS
Angle Mark	Normal/LB
OSD Lang	Wide
Spdif Output	
Captions	
Screen Saver	
Last Memory	
Set TV Display Mode	

1.TV DISPLAY SETUP

This is to select the appropriate TV aspect (4:3 or 16:9) according to the connected TV set.

Normal/PS (For 4:3 TV)
Played back in the PAN & SCAN style. (If connected to wide-screen TV, the left and right edges are cut off.)

Normal/LB (For 4:3 TV)
Played back in letterbox style.
(If connected to wide-screen TV, black bands appear at top and bottom of the screen.)

Wide (For 16:9 TV)
Select when a wide-screen TV set is connected.

SETUP

-----General setup page----

TV Display

| Angle Mark | ON |
| OSD Lang | OFF |

Spdif Output

Captions

Screen Saver

Last Memory

Set Angle Mark

-----General setup page----

TV Display

Angle Mark

Osd Lang

Spdif Output	SPDIF OFF
Captions	SPDIF/RAW
Screen Saver	SPDIF/PCM

Last Memory

Setup SPDIF

2.ANGLE MARK DISPLAY SETUP
If it is set to ON, when the multi-angle DVD disc is playing, ⌖ (the angle mark) will appears on the screen; if is set to OFF, the mark will not appear.

4.SPDIF OUTPUT
This is to activate the audio output from SPDIF OFF mode to SPDIF/RAW mode to SPDIF/PCM mode.

-----General setup page----

TV Display

Angle Mark	English
OSD Lang	French
Spdif Output	German
Captions	Spanish
Screen Saver	Italian
Last Memory	Portuguese

Set OSD Language

-----General setup page----

TV Display

Angle Mark

OSD Lang

| Spdif Output | ON |
| Captions | OFF |

Screen Saver
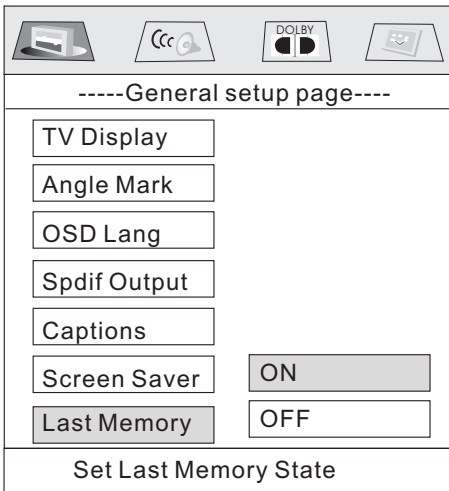
Last Memory

Closed Caption

3.OSD LANG TYPE SETUP
Select the preferred OSD language by using the ▲ / ▼ buttons.

5.CAPTIONS SETUP
Activate the CAPTIONS feature by selecting ON. And release this feature by selecting OFF.

SETUP

-----General setup page----

| TV Display |
| Angle Mark |
| OSDLang |
| Spdif Output |
| Captions |
| Screen Saver | ON |
| Last Memory | OFF |

Screen Saver
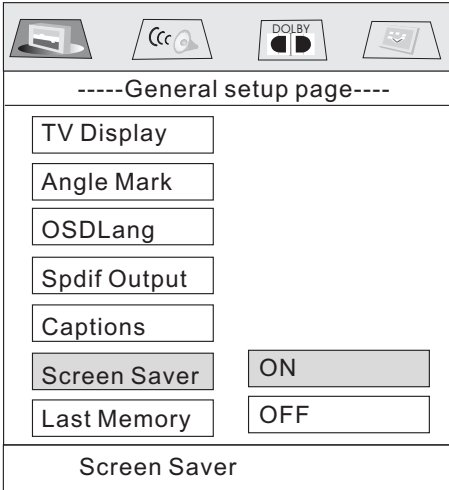
6.SCR SAVER SETUP
Select the SCR SAVER output ON/OFF.

-----General setup page----

| TV Display |
| Angle Mark |
| OSD Lang |
| Spdif Output |
| Captions |
| Screen Saver | ON |
| Last Memory | OFF |

Set Last Memory State

7.LAST MEMORY SETUP
Select the LAST MEMORY output ON/OFF.

SPEAKER SETUP
--- SPEAKER SETUP PAGE ---

-----Speaker Setup Page----

| DOWNMIX | LT/RT |
| | STEREO |

Set Downmix Mode
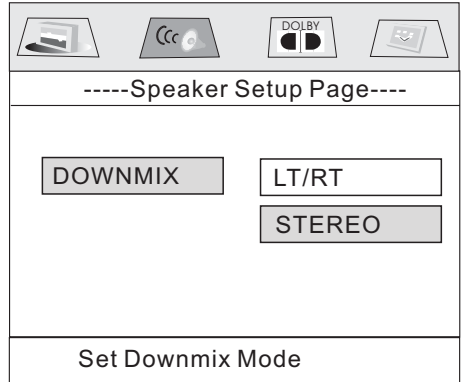
This is to activate the audio output from DOLBY AC3 5.1 DOWNMIX to 2 channel mode. Select the preferred SPEAKER connection by using the cursor buttons. Select the LT/RT to activate the Dolby surround compatible output. Select the STEREO to activate simple stereo mode.

DOLBY DIGITAL SETUP

-----Dolby Digital Setup----

	FULL
	6/8
DYNAMIC	4/8
	2/8
	OFF

Set DRC OFF
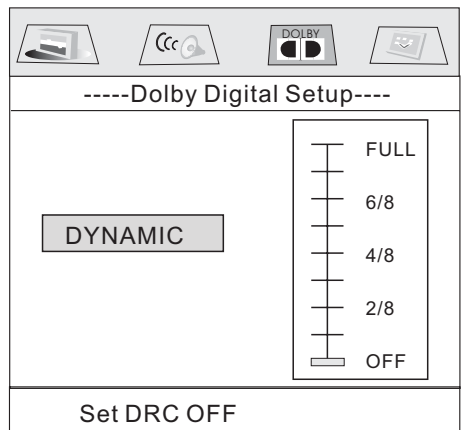
DYNAMIC RANGE CONTROL
Select DRC and adjust the dynamic range of a Doby Digital encoded program. There are 8 steps between full compression and off compression.

SETUP

PREFERENCES SETUP

--- PREFERENCES PAGE ---

		DOLBY	

-----Preference Page----

TV Type	PAL
Audio	AUTO
Subtitle	NTSC
Disc Menu	
Parental	
Password	
Default	

Set TV standard

1.TV TYPE SETUP

This player can play discs recorded in either PAL or NTSC format.Select NTSC format, when you connected to NTSC TV.Select PAL format, when you connected to PAL TV.Select AUTO format, the player TV output format will according to the DVD disc format..

		DOLBY	

-----Preference Page----

TV Type	English
Audio	French
Subtitle	Spanish
Disc Menu	German
Parental	Italian
Password	Portuguese
Default	

Preferred Audio Language

2.AUDIO LANGUAGE SETUP

Select the preferred AUDIO sound-track by using the cursor buttons.

		DOLBY	

-----Preference Page----

TV Type	English
Audio	French
Subtitle	Spanish
Disc Menu	German
Parental	Italian
Password	Portuguese
Default	OFF

Preferred Subtitle Language

3.SUBTITLE LANGUAGE SETUP

Select the preferred SUBTITLE language by using the cursor buttons.

		DOLBY	

-----Preference Page----

TV Type	English
Audio	French
Subtitle	Spanish
Disc Menu	German
Parental	Italian
Password	Portuguese
Default	

Preferred Menu Language

4.DISC MENU LANGUAGE SETUP

Select the preferred DISC MENU language by using the cursor buttons.

SETUP

	(Cc	DOLBY	

-----Preference Page----

TV Type	1KID SAF
Audio	2G
Subtitle	3PG
Disc Menu	4PG13
Parental	5PGR
Password	6R
Default	7NC 17
	8 ADULT
	OFF

Set Parental Control

5.PARENTAL

Select suitable parental guidance by the cursor buttons and conformed by pressing ENTER button.

	(Cc	DOLBY	

-----Preference Page----

TV Type	
Audio	
Subtitle	
Disc Menu	
Parental	
Password	CHANGE
Default	

Change Password

6.PASSWORD

Select the change and press ENTER button. Type the old password (The initial factory code is **1379**) and key in 4 characters password now you want to use, and retype again to confirm key in correctly.

	(Cc	DOLBY	

-----Preference Page----

TV Type	
Audio	
Subtitle	
Disc Menu	
Parental	
Password	
Default	RESET

Load Fcatory Setting

7.DEFAULTS

Select reset to become factory initial setting.

DEFAULTS TABLE

GENERAL SETUP	TV DISPLAY	NORMAL/LB
	ANGLE MARK	ON
	OSD LANGUAGE	ENGLISH
	SPDIF OUPUT	SPDIF/RAM
	CAPTIONS	ON
	SCR SAVER	ON
	LAST MEMORY	ON
SPEAKER SETUP	DOWNMIX	STEREO
DOLBY DIGITAL	DYNAMIC	OFF
PREFERENCES	TV TYPE	AUTO
	AUDIO	ENGLISH
	SUBTITLE	OFF
	DISC MENU	ENGLISH
	PARENTAL	8 ADULT
	PASSWORD	1379

SPECIFICATION

Supply Voltage: 12V DC (11V-15V)
Current Consumption: Less than10 A
Signal System: Compositive video 1.0Vp-p 75Ω
Discs Played: (1)DVD-VIDEO Disc
                  5"(12 cm) single-sided, single-layer
                  5"(12 cm) single-sided, double-layer
           (2)Compact Disc (CD-DA, VIDEO CD)
                  5"(12cm) disc

Audio Signal Output: 2ch&4ch line out
Characteristics: (1)Frequency Response   20 Hz - 20 KHz
           (2)S/N Ratio   90 dB (JIS)
           (3)Wow and Flutter   Below measurable limits

	For 3 Bands (Europe)	For 2 Bands (Europe)	For 2 Bands (U.S.A.)
	FM	FM	FM
Frequency Coverage:	87.5 to108 MHz	87.5 to108 MHz	87.5 to107.9 MHz
IF:	10.7 MHz	10.7 MHz	10.7 MHz
Sensitivity (S/N = 30 dB):	15 dBu	15 dBu	15dBu
	MW	MW	AM
Frequency Coverage:	522 to1620 KHz	522 to1620 KHz	530 to1710 KHz
IF:	450 KHz	450 KHz	450 KHz
Sensitivity (S/N = 20 dB):	40 dBu	40 dBu	40 dBu
	LW(Optional)		
Frequency Coverage:	144 to290 KHz		
IF:	450 KHz		
Sensitivity (S/N = 20 dB):	45 dBu		

Monitor Screen Size: 3.6 Inch Wide
Number of Pixels: 320 X RGB X 240 pixels
Color System: NTSC/PAL

NOTE: Specifications and design are subject to modification, without notice,
        due to improvements in technology.

TROUBLE SHOOTING

Before going through the check list, check wiring connection. If any of the problems persist after check list 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 properly connected to the car accessory terminal,switch the ignition key to "ACC"
	The fuse is blown	Replace the fuse
Disc can not be loaded or ejected	Presence of disc inside the player.	Remove the disc in the player, then put a new one
	Inserting the disc in reverse direction	Insert the compact disc with the label facing upward
	The 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 or until the ambient temperature return to normal
Television/video imageappears black-white	The color system is set incorrectly	Please switch to correct color system from menu
No television/video image appears	The unit is not connected to the parking brake detection switch	Make proper connection according to"wire connection"
	The parking brake is not engaged	For safety reasons no television /video images are displayed while the vehicle is moving. Engaging the parking brake will cause images to be displayed.
No color in picture	The disc format is not accordingto the TV-set used (PAL/NTSC)	Please the television mode of the choice accommodation
JPEG disc can not be played back	No JPEG files are recorded on the disc.	Change the disc
	JPEG files are not recorded in a compliant formant	Change the disc Record JPEG files using a compliant application
The operation keys do not work	The built-in microcomputer is not operating properly due to noise	Press the RESET button. Front panel is not properly fixed into its place
The radio does not work	The antenna cable is not connected	Insert the antenna cable firmly
	The signals are too weak	Select a station manually

888-J3501-03S