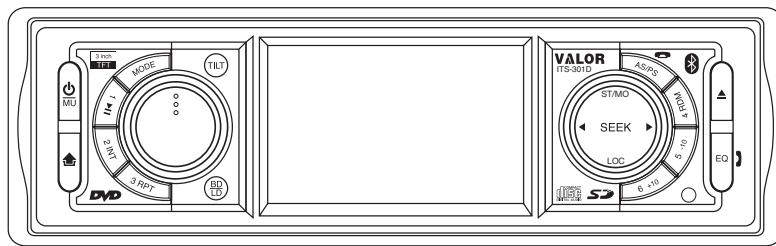


ITS-301D



DVD/VCD/CD/MP3/MP4 Player with FM/AM Tuner

VALOR
MULTIMEDIA

Operating Instructions

Safety Information

WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

CAUTION

This product is a class 1 laser product. 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 yourself. Refer servicing to qualified personnel.

TWO LASER PRODUCTS

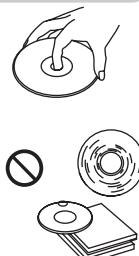
Wave length: CD:780nm DVD:650nm

Laser power: no hazardous radiation is emitted with safety protection.

TO REDUCE THE RISK OF FIRE ELECTRIC SHOCK, AND ANNOYING INTERFERENCE, USE ONLY THE INCLUDED COMPONENTS.

CD NOTES

- playing a defective or dusty CD can cause dropouts in sound.
- hold CDs as illustrated.
- DO NOT touch the unlabeled side.
- DO NOT attach any seal, label or data protection sheet to either side of a disc.
- DO NOT expose a CD to direct sunlight or excessive heat.
- wipe a dirty CD from the center outward with a cleaning cloth.
- never use solvents such as benzine or alcohol.
- this unit cannot play 3-inch (8cm) CDs.
- never insert a 3-inch CD contained in the adapter or an irregularly shaped CD. The unit may not be able to eject it, resulting in a malfunction.



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Before You Begin

PRECAUTIONS

- Keep this manual handy as a reference for operating procedures and precautions.
- Always keep the volume low enough so you can hear sounds outside of the car.
- Protect this product from moisture.
- If the battery is disconnected or discharged, the preset memory will be erased and must be reprogrammed.

FEATURES:

DVD video playback

It is possible to play back DVD video, DVD+R, DVD+RW and DVD+-DL.

Video CDs featuring PBC compatibility

It is possible to play back Video CDs featuring PBC (playback control).

CD playback

Music CD/CD-R/CD-RW playback is possible.

MP3 file playback

It is possible to play back MP3 files recorded on CD-ROM/CD-R/CD-RW.

MP4 file playback

It is possible to play back MP4 files.

PAL/NTSC compatibility

This unit is PAL/NTSC system compatible. When connecting other

components to this unit, be sure components are compatible with the same video system or else images will not be correctly reproduced.

Multi-audio

You can switch between multiple audio systems recorded on a DVD as desired.

Multi-subtitle

You can switch between multiple subtitle languages recorded on a DVD as desired.

Multi-angle

You can switch between multiple viewing angles of a scene recorded on a DVD as desired.

When an operation is prohibited

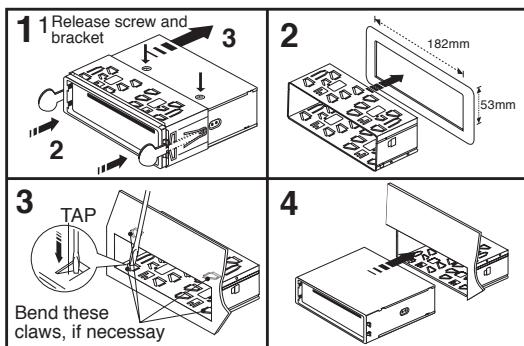
When you are watching a DVD and attempt to perform an operation, it may not be performed by the programming on the disc. When this happens, this unit indicates on the screen.

Installation Guide

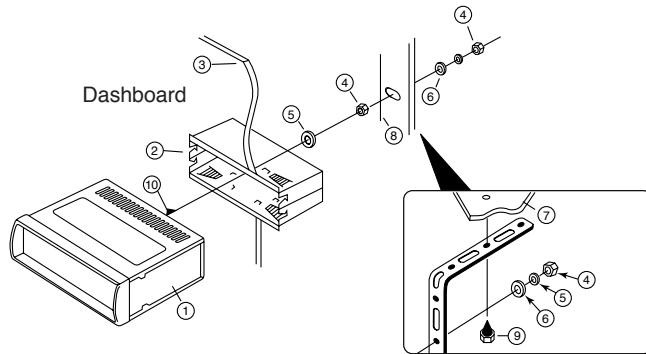
PRECAUTIONS

- Choose the mounting location carefully so that the unit will not interfere with the normal driving functions of the driver.
- Avoid installing the unit where it would be subject to high temperatures, such as from direct sunlight or hot air from the heater, or where it would be subject to dust, dirt or excessive vibration.
- Use only the supplied mounting hardware for a safe and secure installation.
- Be sure to remove the front panel before installing the unit.

NOTE : Inclination angle for car radio installation must not exceed 30° otherwise the front panel will not open.



INSTALLED IN ANY DASHBOARD



1. UNIT
2. RELEASE CASE
3. DASH BOARD
4. HEX NUT
5. LOCK WASHER
6. PLAIN WASHER
7. CAR BODY
8. REAR SUPPORT STRAP
9. TAPPING SCREW
10. M5 X 15 HEX BOLT

NOTE: Keep the release key in a safe place as you may need it in future to remove the unit from the car.

Anti-theft System

PRECAUTIONS

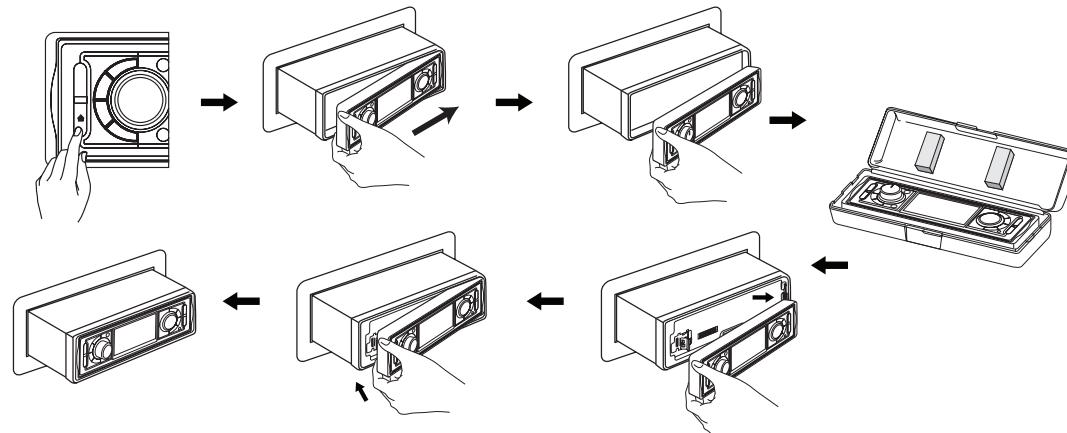
Detaching and attaching the front panel

The front panel of this unit can be detached in order to prevent the unit from being stolen.

FOLDING DOWN AND DETACHING/ATTACHING THE FRONT PANEL

Before detaching the front panel, be sure to press the button (1) OFF first.

Then press the  button and detach the panel by pulling it towards you as illustrated.



Notes:

- Do not press the front panel hard against the unit when attaching it. It can be easily attached by pressing it lightly against the unit.
- When you carry the front panel with you, put it in the supplied front panel case.
- Do not press hard or give excessive pressure to the display window of the front panel when attaching it to the unit.

Wire Connection

IN / OUT CONNECTOR

DVD Audio Out (GRAY) Rear : White (L) Red (R)

Connect this wire to rear seat A/V monitor system to enjoy DVD movie

Audio Out (Front): White (L) Red (R)

Audio Out (Rear): White (L) Red (R)

Audio Line In : White (L) Red (R)

Subwoofer : Orange

Video Out (Yellow) : Yellow (Plug)

Connect to external A/V system to display

Video In (Black) : Yellow (Plug)

Connect to external Video equipment

Rear camera In (Black) : Blue (Plug)

Connect to rear camera output

iPod Cable (White)

Connct to portable iPod player

CONTROL WIRE

Parking (Gray) : Connect this wire to car hand brake system

Tel mute (Black) : Connect to mobile phone unit

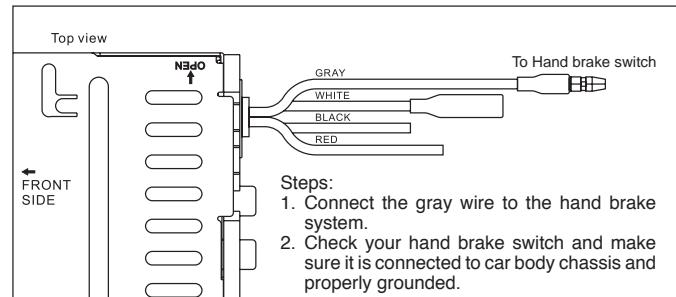
When receiving calls, audio sound will be muted.

Reverse (Red) : Connect to back rear camera

During back gear condition, this wire should be connected to high voltage.

DRIVING WITHOUT VIDEO DISPLAY

Follow the installation below so when the car is in motion, no video will come out from the LCD screen. Only sound can be heard from speaker.



Note:

- Only sound can be heard when car is in motion.
- Refer and follow your country's law regarding driving with video.

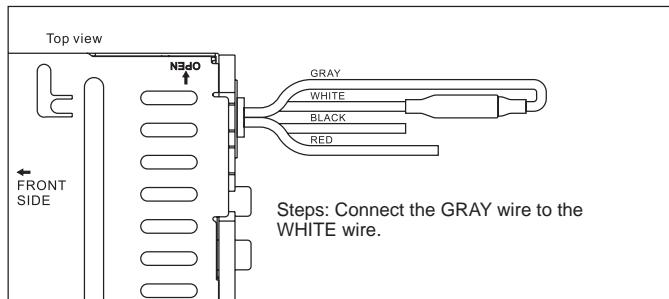
Caution:

- Do not attempt to install it by yourself if the instruction is not clear to you. Consult you dealer concerning the installation procedures.

Wire Connection

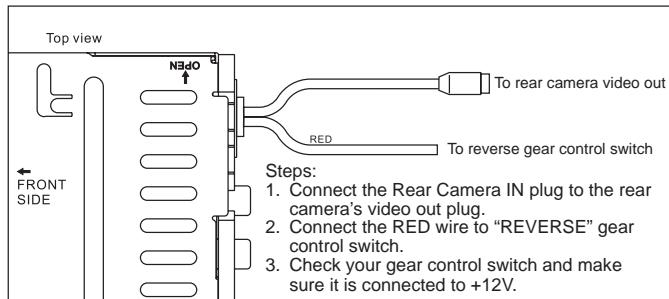
DRIVING WITH VIDEO DISPLAY

By following the installation below, video will always be shown on LCD screen no matter the car is in motion or not.



INSTALLING REAR CAMERA FOR PARKING/REVERSE MOTION

You can install an separate camera at the car rear end so when doing parking or reverse motion, the unit will automatically switch the video to the rear camera to guide the driver.



ISO CONNECTOR

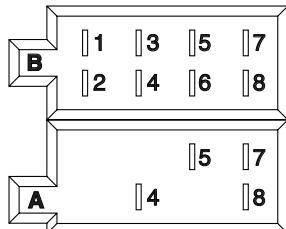
CONNECTOR A

4. BATTERY +12V
5. AUTO ANTENNA OUTPUT
7. +12V (TO IGNITION KEY)
8. GROUND

NOTE: (connector A no. 7) must be connected by car ignition key in order to avoid that car battery becomes weak when the car will be not used for long period.

CONNECTOR B

1. REAR RIGHT SPEAKER (+)
2. REAR RIGHT SPEAKER (-)
3. FRONT RIGHT SPEAKER (+)
4. FRONT RIGHT SPEAKER (-)
5. FRONT LEFT SPEAKER (+)
6. FRONT LEFT SPEAKER (-)
7. REAR LEFT SPEAKER (+)
8. REAR LEFT SPEAKER (-)



Maintenance

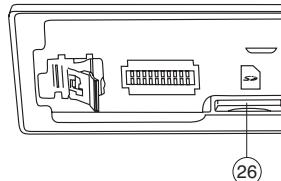
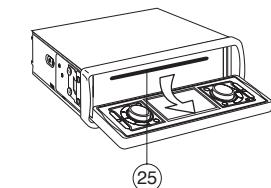
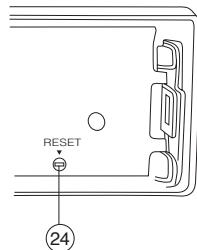
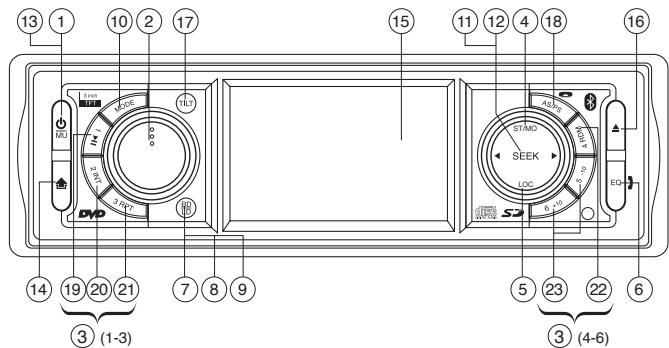
FUSE REPLACEMENT

If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after the replacement, there may be an internal malfunction. In this case, consult your nearest repairing center.

Warning

Use the specified amperage fuse for each lead. Use of a higher amperage fuse may cause serious damage.

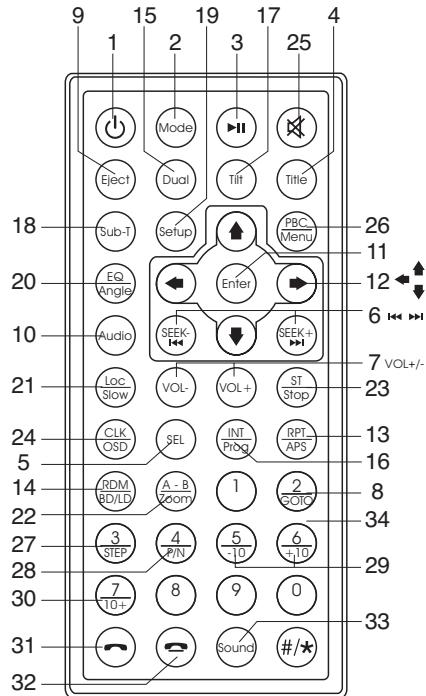
Locations of Parts (Main Unit)



1. POWER ON/OFF (⊕)
2. SELECT FUNCTION BUTTON
3. PRESET STATIONS (1,2,3,4,5,6)
4. STEREO/MONO (ST/MO)
5. LOCAL / DISTANT SELECT (LOC)
6. EQUALIZER BUTTON (EQ) / ANSWER CALL ()
7. LOUDNESS BUTTON (LD)
8. BAND BUTTON (BD)
9. RETURN
10. MODE BUTTON (MODE)
11. CD TRACK / SEARCH BUTTON
12. AUTO SEEK TUNING
13. MUTE BUTTON (MU)
14. PANEL RELEASE BUTTON (▲)
15. TFT-LCD DISPLAY
16. CD EJECT BUTTON (▲)
17. TILT BUTTON
18. AUTO SEEK SEARCH TUNING (AS/PS) / END A CALL ()
19. PLAY/PAUSE BUTTON (▶||)
20. INTRO BUTTON
21. REPEAT BUTTON
22. RANDOM BUTTON
23. 10 TRACK SEARCH DOWN/UP
24. RESET BUTTON
25. DISC SLOT
26. SD/MMC CARD SLOT

Locations of Parts (Remote Control)

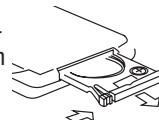
- POWER ON/OFF
- MODE
- PLAY/PAUSE
- TITLE
- SELECT
- SEEK+/SEEK- / CD TRACK/SEARCH
- VOL +/VOL-
- GOTO
- EJECT
- AUDIO
- ENTER
- NAVIGATION
- AUTO SEEK / PRESET SCAN / REPEAT
- RANDOM / BAND / LOUDNESS
- DUAL
- INTRO / PROGRAM
- TIlt
- SUBTITLE
- SETUP
- EQUALIZER / ANGLE
- LOCAL / SLOW MOTION
- ZOOM / A-B REPEAT
- STEREO/MONO / STOP
- CLOCK / ON SCREEN DISPLAY
- MUTE
- MAIN MENU / PLAYBACK CONTROL
- STEP (FRAME BY FRAME PLAYBACK)
- PAL / NTSC SYSTEM
- 10 TRACK SEARCH DOWN/UP
- TWO DIGIT TRACKS SEARCHS
- ANSWER CALL
- END A CALL
- SOUND
- KEYPAD



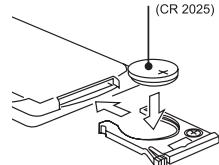
Use and care of the remote control

Installing the battery

Slide the tray out on the back of the remote control and insert the battery with the (+) and minus (-) poles pointing in the proper direction.



- When use for the first time, pull out the film protruding the tray.



CAUTIONS

- Remove the battery if the remote control is not used for a month or longer.
- Do not recharge, disassemble, heat or dispose the battery on fire.
- Do not store the battery with metallic materials.
- In the event of battery leakage, wipe the remote control completely clean and install a new battery
- When disposing of used batteries, please comply with government regulations or environmental public institution's rule that apply in your country/area.
- Always check carefully that you are loading the battery with plus (+) and minus (-) poles facing the proper directions.

Using the remote control

Point the remote control in the direction of the front panel to operate.

IMPORTANT

- Do not store the remote control in high temperatures or direct sunlight.
- Do not let the remote control fall onto the floor, where it may become jammed under the brake or accelerator pedal.

Gerneral Operations

Turning the unit ON/OFF (⊕)

Press “⊕” button to turn on unit. To turn off, press and hold the button again.

Selecting a source (MODE)

Press **MODE** repeatedly to switch between TUNER, CD/DVD, SD/MMC, BLUETOOTH mode.

Loading a Disc

1. Press **▲** to open the front panel
2. Insert a disc into the disc loading slot

Ejecting a Disc

Press **▲** button to eject disc

Adjusting Volume

- Head Unit: Rotate **VOL** knob right or left to increase or decrease volume.
- Remote Control: Press **VOL+** or **VOL-** to increase or decrease volume.

Mute Button

- Head Unit: Press **MU** button to mute the sound at once. Press again to return to previous volume level.
- Remote Control: Press **☒** button.

Loud Button (LD)

Press and hold **LD** button to turn on/off LOUD feature.

Equalizer (EQ)

Press **EQ** to select between Flat – Class – Rock – Pop equalizer modes.

Tilt

Tilt feature allows you to control the viewing angles of the screen.

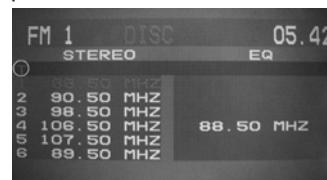
- Press **TILT** button repeatedly to choose the desired tilt angle. You can also press and hold **TILT** to tilt to maximum viewing angle.

CLOCK

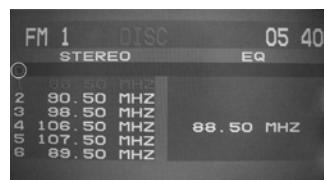
1. Press and hold **CLK** button on remote control. Hour starts blinking.
2. Rotate **VOL** knob to set hour. Press **CLK** knob, minutes starts blinking.
3. Rotate **VOL** knob to set minutes. Press **VOL** knob to save.

DUAL SETTINGS

DUAL is a feature that lets user control the external AV device and the head unit. For example, driver can listen to radio while the passenger at the back can watch DVD. This unit supports connection of external AV device such as portable TV through the **AUDIO OUT** and **VIDEO OUT** port.



Controlling TUNER



Controlling DISC

Gerneral Operations

1. Connect the AUDIO OUT and VIDEO OUT port at the back of head unit to the LINE IN of external AV device.
2. Press and hold **MODE**. DISC will display on top of screen.
3. Press **Dual** key on remote control to select which mode you want to control.
T = TUNER, D = DISC
4. Refer to Radio and DVD sections on how to operate other features applicable to each mode.

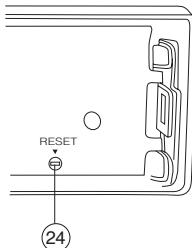
Note: You will need to connect an external portable TV or monitor when using this feature.

RESET

Reset button is placed on the housing. To reset, use a sharp point object and press and hold the **RESET** button for 2 seconds.

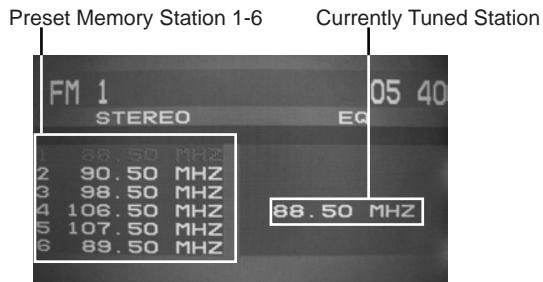
The reset button is to be activated for the following reason:

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



Listening to Radio

Band (BD)



Pressing this key repeatedly will toggle cyclically between each band. FM1---FM2---FM3---AM1 ---AM2.

LOCAL (Loc)

Press **Loc** button and tuning search will stop only at strong stations.

Stereo / Mono (ST)

Press **ST** button to switch between stereo and mono sound for FM radio reception. When reception of an FM station is weak, listening quality can be improved by switching to mono sound.

Automatic or Manual tuning (SEEK UP ▶ / SEEK DN ◀)

When pressed short, these keys are operated as MANUAL tuning mode.

When pressed longer than 1 sec., they are operated as SEEK tuning mode.

Auto Seek/Preset scan (AS/PS)

Preset Scan (PS) - By pressing shortly, the radio plays each preset station for 5 seconds.

Auto Seek (AS) - By pressing longer than 1 sec, auto seek is activated. The 6 strongest stations are preset and stored in the corresponding preset number. When Auto Seek operation is finished, the radio executes the preset scan.

Storing and Recalling Frequencies

If you press any of the NUMBER (1-6) you can easily store up to six broadcast frequencies for later recall with the touch of a button.

1. Choose a desired BAND.
2. When you find a frequency that you want to store in memory, press a NUMBER(1-6) and hold until the preset number shows and lit in the display.
3. The selected radio station frequency has been stored in memory. The next time you press the same NUMBER (1-6) the radio station frequency is recalled from memory.

Note: Up to 18 FM / 12 AM stations can be stored in the memory.

Operations Common for CD/MP3/VCD/DVD/MP4

-10 Tracks Down / +10 tracks Up

1. Press **-10** button to jump 10 tracks backward starting from currently played track.
2. Press **+10** button to jump 10 tracks forward starting from currently played track.

Specifying particular track

During playback, all track file names under a folder will be displayed on the screen with their corresponding track number. You can use the navigation keypad on the remote control to access the file.

Tips: To select track 3, press 3.

To select 13, press and hold 10+ follow by 3.

To select 23, press and hold 10+ (2 times) follow by 3.

Random Playback

Press **RDM** during playback to play the tracks in random/shuffle order.

Press it again to cancel.

Stopping Playback

1. Press **Stop** on remote control during playback to stop playback. That position is stored in memory.
2. Press **▶II** to continue. Playback starts from the position at which it was stopped.
3. To permanently stop playback, press **Stop** button twice.

Fast Forward / Fast Reverse

Note: **◀◀** or **▶▶** on remote control is the same function as **▶** / **◀** on head unit.

1. During playback, press and hold **◀** or **▶** Unit scans at the speed of x2 - x4 - x8 - x20
2. To resume normal playback at a desired point, press **▶II**.

Note: No sound is played during fast forward / fast reverse.

Finding the Beginning of Tracks

During playback, press **◀** or **▶**.

◀ : Press to start playback from the beginning of the previous chapter or track.

▶ : Press to start playback from the beginning of the following chapter or track.

Pause Playback

During playback, press **▶II**. Press again to resume playback.

A-B Repeat Playback

This feature allows you to loop playback a section of the movie starting from Point A to B.

1. Press the **▶II** button to play the movie.
2. Once you have located the section you wish to playback on loop repeat, press and hold **A-B** button. You will see "Rep-A" on the screen.
3. Let the movie play on until you have reached the end of the section you wish to watch on continuous loop. Once you have reached this point, press and hold **A-B** button again. "Rep-A-B" will appear on your screen. Playback will now start from Point A-B.
4. To stop A-B repeat playback, press and hold **A-B** button once more until "A-B CANCEL" disappears and normal playback resumes.

Displaying information (OSD)

During playback, you can see all DVD disc information and current play settings. Display will show related playback time, elapse time, title number, chapter number and other information.

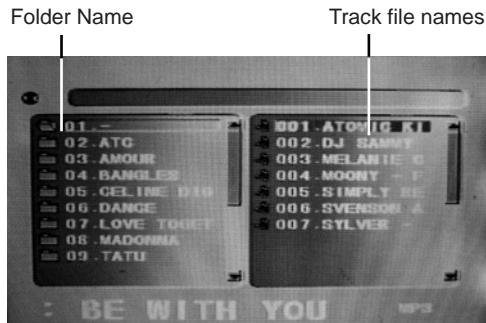
1. Press **OSD** on the remote control once. Unit will display the play time and the disc elapse time.
2. Press it once more and all other settings information will be displayed.

Listening to CD/MP3

Searching for particular track using GOTO

You can use the GOTO function to search for a desired track number or particular point of a track to play.

1. Press and hold **GOTO** on the remote control during playback. Time and track number search appears.
2. Enter the minutes and seconds for the currently played track if you want to search by time. Press **Enter**.
3. Enter track number if you want to search by tracks. Press **Enter**.



Intro Playback

Press **INT** during playback to play the first 10 seconds of each track.

Repeat tracks

You can choose between repeat playback of a single track or all tracks.

1. Press **RPT** on the remote control during playback.
2. Every time you press this button, the unit switches to the following settings:

Repeat 1 – Repeat the current playback track.

Repeat DIR – Repeat all the tracks under the currently played folder.

Repeat All – Repeat all folders and tracks.

Program Playback

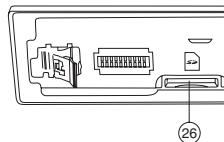
You can set which tracks to play according to your desired sequence using the **PROG** function.

1. Press and hold **Prog** button on the remote control.
2. Enter the track number besides the memory location.
3. When all tracks have been programmed, select **PLAY** and press **Enter**. Program playback will start.
4. To clear all program entries, press **Prog** and select **CLEAR**.
5. To stop program playback, press **Stop** button twice.



SD/MMC Card Input

1. Power off head unit.
2. Press **▲** button to open the front panel.
3. Insert the SD/MMC card into the card slot (26).
4. Attach front panel back to the head unit. Turn on unit, press **MODE** button to SD/MMC state



Playing DVD/VIDEO CD/MP4

Playback

1. Insert a disc. When the disc offers a menu, the menu is displayed. When a disc already inserted, press **MODE** to switch to disc mode.
2. On DVDs and video CDs with playback control (PBC), menu screens may appear automatically. If this happens, perform the operation described below to start playback.

CAUTION: Make sure that the Video TV system settings is set correctly according to your disc your playing. If you are not sure, leave it set to “Auto”. Improper setup of TV system might cause the video to stop/skip/pause playing although audio might continue to play. You can setup video TV settings using the **SETUP** feature of the remote control. Refer to “SETTING UP THE DVD PLAYER” section.

DVD menu

Press **↑, ↓, ←, →** to select the desired item, then press **Enter**.

Video CD menu

Use the number keys (“0” to “9”) to select the desired number, then press **Enter**. The menu screen does not appear when the PBC function is turned off. In this case, press and hold button to turn on PBC feature.

Turning PBC ON/OFF (VCD only)

PBC (Playback Control) is a feature found on VCD 2.0 and SVCD 1.0. PBC allows control of the playback of play items and the possibility of interaction with the user through the remote control or some other input device available. If it's on, the player won't auto start after inserting the disc because it will take time to select program on disc; if it's off, the player will auto playback the program on disc one by one.

1. To turn ON PBC function, press **PBC** on the remote control. To turn OFF, press the button again.

Note: Not all VCD/SVCD disc have PBC functions.

Repeat Playback

FOR VCD

1. Press **RPT** on the remote control during playback.
2. Every time you press this button, the unit switches to the following settings:

Repeat 1 – Repeat the current playback track.

Repeat All – Repeat all folders and tracks.

Off – Turn repeat function OFF.

Note: PBC feature in VCD disc needs to be STOP in order to use Repeat playback.

FOR DVD

You can choose between repeat playback of a title or chapter.

1. Press **RPT** on the remote control during playback.
2. Every time you press this button, the unit switches to the following settings:

Repeat Title – Repeat the current playback title. (Press and hold RPT button)

Repeat Chapter – Repeat the current playback chapter.

Repeat Off – Turn repeat off.

Searching for particular track using GOTO

You can use the GOTO function to search for a desired track number or particular point of a track to play.

1. Press **GOTO** on the remote control during playback. Time and track number search appears.

Playing DVD/VIDEO CD/MP4

2. Enter the minutes and seconds for the currently played track if you want to search by time. Press **Enter**.
3. Enter track number if you want to search by tracks. Press **Enter**.

Changing audio language during playback (Multi-audio)

DVDs can provide audio playback with different languages and different systems (Dolby Digital, DTS etc.). With DVDs featuring multi-audio recordings, you can switch between languages/audio systems during playback.

VCD can provide different audio languages usually divided into left and right channels.

1. To choose different audio, simply press **Audio** on the remote control repeatedly during playback.

Note:

- *With some DVDs, switching between languages/audio systems may only be possible using a menu display.*
- *You can also switch between languages/audio systems using SET-UP MENU.*

Changing the subtitle language during playback

(Multi-subtitle) – (DVD only)

With DVDs featuring multi-subtitle recordings, you can switch between subtitle languages during playback.

1. Press **Sub-T** on the remote control during playback. Press repeatedly until the supported desired subtitle appears.

Note:

- *With some DVDs, switching between subtitles may only be possible using a menu display.*
- *You can also switch between subtitles using SET-UP MENU.*

Changing the viewing angle during playback (Multi-angle) – (DVD only)

With DVDs featuring multi-angle (scenes shot from multiple angles) recordings, you can switch among viewing angles during play-back.

1. Press and hold **Angle** on the remote control during playback of a scene.

Title (DVD only)

During DVD playback, press **Title** on remote control to return to FIRST title.

Return to Root Menu (DVD only)

During DVD playback, press and hold **MENU** on head unit or remote control to return to root menu.

Note: *Some DVD may not contain root menu.*

Slow motion playback

This feature lets you slow down playback.

1. Press **Slow** on the remote control during playback.
2. Pressing it repeatedly will switch you to the following steps: 1/2 - 1/3 - 1/4 - 1/5 - 1/6 - 1/7.

Note:

- *To resume normal playback, press.*
- *There is no sound during slow motion playback.*
- *With some disc, slow motion may be unclear during slow motion playback.*

Playing DVD/VIDEO CD/MP4

Zooming in During Playback

You can zoom in into the picture during playback.

1. Press **Zoom** on the remote control during playback.
2. Every time you press and hold this button, the unit will zoom 2 - 3 - 4 - 1/2 - 1/3 - 1/4 times and OFF.

Program Playback

You can set which tracks to play according to your desired sequence using the PROG function.

1. Press and hold **Prog** button on the remote control.
2. Enter the track number (for VCD) or title number followed by chapter number (for DVD) besides the memory location.
3. When all tracks have been programmed, select **PLAY** and press **Enter**. Program playback will start.
4. To clear all program entries, press **Prog** and select **CLEAR**.
5. To stop program playback, press **Stop** button twice.

Frame-by-frame playback

This lets you move ahead one frame at a time during playback.

1. Each time you press and hold **Step** button on remote control, you move ahead one frame.

To return to normal playback, press **►II**.

PAL / NTSC (P/N)

Press and hold **P/N** button to switch between PAL, NTSC, AUTO system.

1. Press **P/N** button on the remote control repeatedly to select between PAL, NTSC, AUTO system.

Connecting iPod

You can connect your iPod portable device and play songs from the car stereo. You can control iPod by connecting it to the supplied iPod cable. Note: After connection, iPod cannot be controlled anymore, all controls will be transferred to the head unit.

Playing Songs in iPod

You now can play songs in iPod once the cable is properly connected.

1. Connect iPod to the supplied iPod cable.
2. Unit automatically detects the device it and displays the iPod main screen.

If you are aware on how to use iPod, the way to use the car stereo feature is basically just the same. Take note of the equivalent key function below.

Car Stereo	iPod	Functions
Rotate VOL knob	Rotate CLICK WHEEL	Up/down category/file browsing
Press VOL knob	Press SELECT button	Selecting a category/Play song
Press (BD/LD)Return	Press MENU button	Return one level up

Car Stereo and iPod equivalent key function

Note:

- Please refer to your iPod user's manual for operating instructions.

How to Use Bluetooth in Your Car Audio

HOW TO PERFORM PAIRING

Before you can dial out from the car stereo, you must first perform PAIRING. Pairing is a procedure used to connect 2 Bluetooth devices together.

1. Press **MODE** on head unit to switch to BT (Bluetooth) mode.
2. Turn on the Bluetooth feature of your mobile phone. Perform "Add Bluetooth device" from your mobile phone. The mobile will search for any Bluetooth devices within the range. Select "VALOR" and enter Passkey: "8888" to connect to the car audio. (Please refer to the instruction manual of your mobile phone for Bluetooth Pairing).
3. After successful pairing, connect the Bluetooth function of your mobile with the car stereo.
4. Car stereo's screen will display "Connected" status.

Note:

- "VALOR" is the Bluetooth device name of the car stereo.

Audio Streaming

If your phone is "A2DP" format compatible, then you can play music in your mobile and the sound will be transferred to car head unit.

1. Make sure your mobile and the unit is properly paired and connected.
2. Play the music through your mobile music player software.
3. Press **MODE** repeatedly until BT mode appears in the display. The sound will be transferred to the head unit.
4. You can press the **◀** or **▶** button on head unit to play next / previous tracks stored in mobile.

Making Calls via Remote Control

Important: Before you make calls, make sure that the devices are properly paired and connected.

1. Press **MODE** repeatedly until BT mode.
2. Enter the phone number via the remote control keypad and press **】** button to dial out.
3. Press **】** button to end call.

Note: Press **】** button to clear when entering numbers.

Answering / Hanging Up

1. To answer a call, press the **】** button.
2. Once you have finished your conversation, press the **】** button to hang up.

Last Number Redial

Press **】** button to dial out the last dialed number.

Activate Voice Dial

Press **SOUND** button on remote control to active voice dial.

Note: Before performing this function, make sure that the voice dial of the contact you wish to call is already recorded properly.

#/* keys **#** = Press ***** = Press and hold

Switching Sound

While Bluetooth devices are connected and there is active phone call, you can switch the sound from your mobile phone to car stereo and vice versa by pressing the **SOUND** button on remote control.

Note: Due to the vast number of Bluetooth mobile phones in the market, this feature might not be functional on some mobile models.

Bluetooth Setup

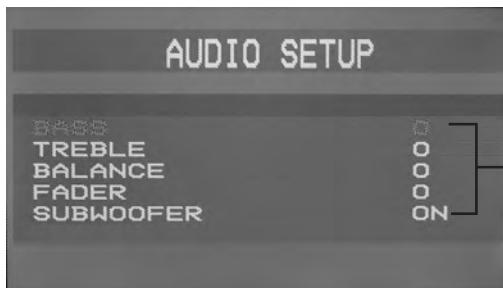
When Bluetooth devices are connected, press **MODE** to switch to BT (Bluetooth) mode and then press **MENU** button on remote control.

- **Connect Last** - Selecting **YES** will automatically connect to the last successfully connected device.
- **Disconnect** - Selecting **YES** will disconnect the current active connected device.
- **Version** - Select to view the Bluetooth software version number.
- **AD2P Connect** - Selecting **YES** will connect / disconnect the AD2P playback feature.

Customizing Audio / Video Settings

AUDIO SETUP

1. Press **VOL** knob to enter AUDIO setup. Selected item will be highlighted. You can set BASS, TREBLE, BALANCE, FADER, SUBWOOFER.
2. Press **◀** or **▶** button to select item. Rotate **VOL** knob to make adjustments.
3. Press **VOL** knob to exit settings.



VIDEO SETUP

1. Press and hold **VOL** knob to enter VIDEO setup. Selected item will be highlighted. You can set BRIGHTNESS, CONTRAST, SATURATION, HUE, SHARPNESS.
2. Press **◀** or **▶** button to select item. Rotate **VOL** knob to make adjustments.
3. Press and hold **VOL** knob to exit settings.

Note:

- **N** means Negative; **P** means Positive
- Depending on model's feature, some items may not show on screen.



DVD Setup / DVD System Setup

You can flexibly customize the unit to suit your preference. You can set the language and other video and audio settings so when playback starts it will always use your preferred settings.

Important:

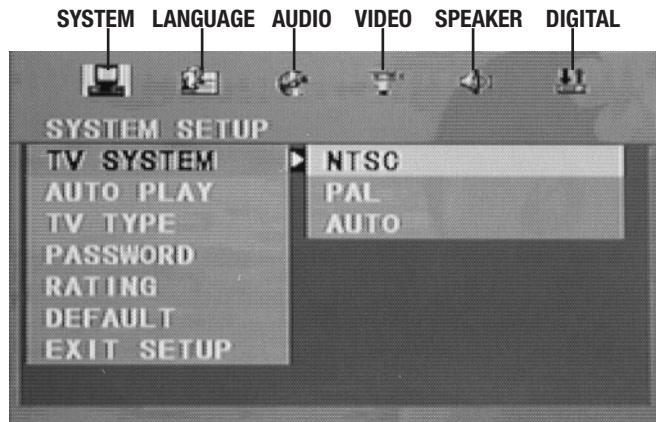
1. Load any disc into the unit before you can access the setup.
2. Press **Setup** on the remote control to display setup menu on the screen.

USE **◀ / ▶** to select setup up items:

SYSTEM – LANGUAGE – AUDIO – VIDEO – DIGITAL

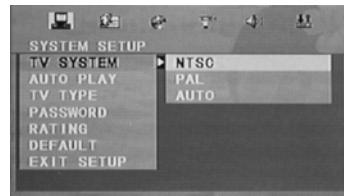


Use **◀ / ▶**, **▲ / ▼** to select and **Enter** to confirm.



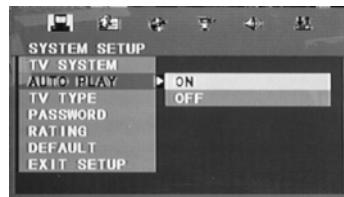
TV System

Select the TV system in the setting menu.



Auto Play

Select ON/OFF for the Disc starts automatically play.

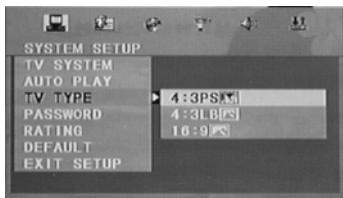


DVD System Setup

Setting TV type

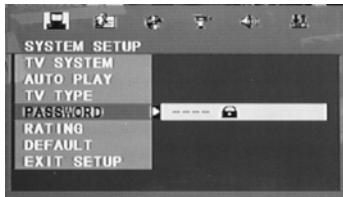
Select TV type to watch wide screen movies.

- 4:3 Pan Scan : For 4:3 TV, left and right edges will be cut.
- 4:3 Letter Box : For 4:3 TV, black bars will appear on top and bottom.
- 16:9: For 16:9 wide screen TV.



Setting Password

The default password is 8888.

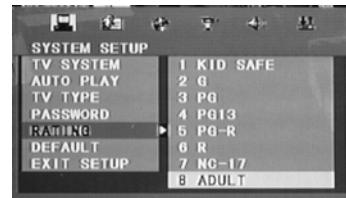


Setting Rating

The rating of the disc is from 1 to 8:
with the most limits when playing.

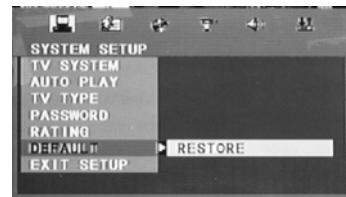
- (8) with the least limits when playing.
- Original setting :8

Note : The rating can be selected only under the password unlocked status, and the limits can be worked only under the password locked status.



Load Default

If this item is selected, the unit will return to original setting.



DVD Language Setup

OSD Language Setup

Select on screen display language of the DVD.



Audio Language

Select audio language of the DVD from which is contained in the DVD.



Subtitle Language

Select subtitle language of the DVD from which is contained in the DVD.



Menu Language

Select menu language of the DVD from which is contained in the DVD.



MPEG4 Language

Select MPEG4 language of the DVD from which is contained in the DVD.



DVD Audio Setup

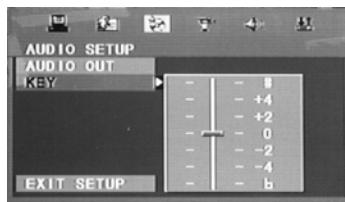
Audio out

Select Audio output to analog.



Key

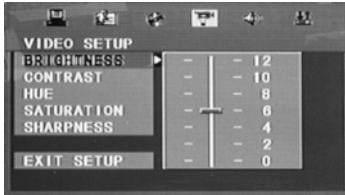
Select to difference key level.



DVD Video Setup

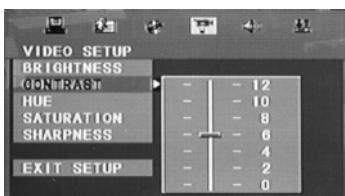
Brightness

Set the brightness of the video output with **↑ / ↓**.



Contrast

Set the contrast of the video output with **↑ / ↓**.



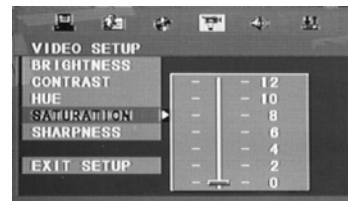
Hue

Set the hue of the video output with **↑ / ↓**.



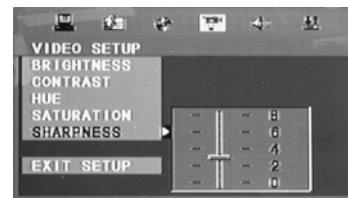
Saturation

Set the saturation of the video output with **↑ / ↓**.



Sharpness

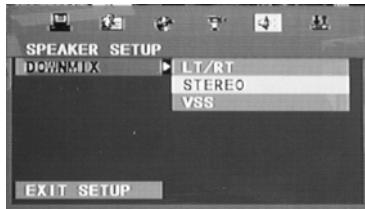
Set the sharpness of the video output with **↑ / ↓**.



DVD Speaker / Digital Setup

Downmix

Select the downmix to LT/RT, STEREO or VSS.



Output Mode

Select the output mode:

LINE OUT : Compress the input signal.

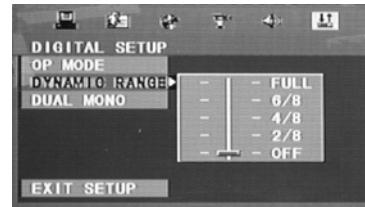
The volume is small.

RF REMOD: The volume is large



Dynamic Range

When you select the compressed mode as "line out", select it to adjust the compression proportion and get the different compressed effect. When select FULL, the audio signal is minimum; when select OFF, the audio signal is maximum.



DUAL MODE

Select the audio channel from STEREO, MONO L, MONO R and MIX MONO.



Troubleshooting

If you suspect something is wrong immediately switch power off. Do not use the unit in abnormal condition, for example without sound, or with smoke or foul smell, can cause fire or electric shock. Immediately stop using it and call the store where you purchased it. Never try to repair the unit yourself because it is dangerous to do so.

General

No power or no sound

Car's engine switch is not on. **Turn your car's key to ACC or ON.**

Cable is not correctly connected. **Check connection.**

Fuse is burnt. **Replace fuse.**

Check volume or mute on / off.

If the above solutions cannot help, **Press the RESET button.**

Disc

Disc is inside but no sound.

Disc is upside down.

Place disc in the correct direction, and the label side up.

Disc is dirty or damaged. **Clean disc or change another disc.**

Disc sound skips, tone quality is low.

Disc is dirty or damaged. **Clean CD or change another CD.**

Sound skips due to vibration.

Mounting angle is over 30°.

Adjust mounting angle to less than 30°.

Unstable mounting.

Mount the unit securely with the mounting parts.

Radio

Noise in broadcasts

Station is too far, or signals are too weak.

Select other stations of higher signal level.

Preset station lost

Battery cable is not correctly connected.

Connect the battery cable to the terminal that is always live.

Error Display Message

ERR DISC

Disc is dirty, damaged or upside down

Press ▲ to eject the disc.

Technical Specifications

CD/MP3 PLAYER SECTION

Signal to Noise Ratio	> 60 dB
Channel Separation	> 50 dB (1kHz)
Frequency Response	20 Hz - 20 kHz

TUNER (FM)

Frequency Range	87.5-107.9 MHz
Channel Step	200 kHz
Intermediate Frequency	10.7 MHz
Usable sensitivity	15 dB μ
Stereo Separation	30 dB
Signal to Noise Ratio	50 dB

TUNER (AM)

Frequency range	530-1710 KHz
Intermediate frequency	10.71 MHz
Usable sensitivity	32 dB

Bluetooth

Standard	Bluetooth V1.1, V1.2, V2.0 EDR compliant
Range	Standard 10 meters
Frequency Band	2.4GHz~2.48GHz unlicensed ISM Band
Channels	79 channels (each 1 MHz wide)
Operating Voltage	3.3 ~ 3.6V
Host Interface	USB 2.0 or UART
Voice Interface	PCM
Low Power Mode Support	Park, Sniff ,Hold and Deep Sleep
TX-power	+3dBm

LINE-OUT

Output	2V
Impedance	10k Ohm

GENERAL

Power Supply	12V DC (10.8-15.6V allowable)
Speaker Impedance	4 or 8 Ohm
Output power	35W x 4CH



Note: Specifications and the design are subject to change without notice due to improvements in technology.

**CLASS 1
LASER PRODUCT**



FCC NOTE:

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

VALOR

MULTIMEDIA

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