DVD/CD/MP3 PLAYER WITH AM/FM TUNER

OWNER'S MANUAL
Safety Information

WARNING
To reduce the disk 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.

DISC NOTES
• Playing a defective or dusty DISC can cause dropouts in sound.
• Hold DISC 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 DISC to direct sunlight or excessive heat.
• Wipe a dirty DISC from the center outward with a cleaning cloth.
• Never use solvents such as benzine or alcohol.
• This unit cannot play 3-inch (8cm) DISC.
• Never insert a 3-inch DISC contained in the adapter or an irregularly shaped DISC. The unit may not be able to eject it, resulting in a malfunction.
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Contents
Panel Controls

Power On/Off: Press \( \text{\textbullet} \) to turn on/off the unit.

1. -Panel open
2. -Rotate the knob to adjust volume level.
   -Push to select BAS/TRE/BAL/FAD, rotate the knob to adjust level.
3. -AMS: Radio Auto preset/Radio Preset scan
4. -Track random play
5. -Radio
   -Disc Play (when disc inserted)
6. -Band switch: FM1-FM2-FM3-MW1-MW2
7. -Video System PAL/NTSC/AUTO
8. -DVD Audio Channel
   -VCD Audio Channel L/R/ST
9. -3 inch TFT display
10. -Radio Tune
    -Track Skip/Seek
11. -Power ON/OFF (press more than 2 sec.)
    -Mute
12. -Radio Preset: Press to listen to a preset station hold for more than 2 seconds to store station.
13. -Remote Sensor
14. -Track repeat play
15. -Program Type
16. -Traffic Announcements (press more than 2 seconds to turn on/off.)
    -Alternative Frequency ON/OFF
17. -Intro play
18. -Play/Pause
19. -Display switch/Time adjust
Remote Controls

Power On/Off: Press  to turn on/off the unit.

1. Zoom (DVD/VCD only)
2. Title (DVD only)
3. Power on/off
4. Setup
5. Menu cursor
6. Enter
7. Program
8. Digit Area
9. Audio Mode Select Bas/Tre/Bal/Fad
   - Push more than 2 seconds to Menu mode
10. Volume
11. Mute
12. Radio Tune
   - Track Skip / Seek
13. Subtitle (DVD only)
14. Radio
   - Disc Play (when disc inserted)
15. REPEAT
16. A-B repeat
17. Stop/Return
18. Play/Pause
19. Goto Search
20. DVD MENU
   - PBC (for VCD 2.0 or up)
21. On Screen display
22. DVD Audio
   - VCD Audio L/R/ST
23. On Panel display
24. Angle (DVD only)
25. Video system PAL/NTSC/AUTO
   - Radio band
Remote Controls

Replacing the lithium battery of remote control unit.

When the range of the operation of the card remote control becomes short or no functions while operating, replace the battery with a new lithium battery. Make sure the battery Polarity replacement is correct.

1. Pull out the battery holder while pressing the stopper.
2. Insert the button-type battery with the stamped(+) mark facing upward. Insert the battery holder into the remote control.

Remote control operating range

The remote control can operate within a distance of 3~5m.

WARNING :

• Store the battery where children cannot reach. If a child accidentally swallows the battery, consult a doctor immediately.
• Do not recharge, short, disassemble or heat the battery or dispose it in a fire.
• Do not expose or bring into contact the battery with other metallic materials.
• Doing this may cause the battery to give off heat, crack or start a fire.
• When throwing away or saving the battery, wrap it in tape and insulate; otherwise, the battery may give off heat, crack or start a fire.
Getting Started

Press the button to open the panel and press to eject the disc.

Slot, Insert disc.
Disc Eject

Panel Status Indicator
Light up when you slide the panel down; twinkles when you remove the panel.

Reset Hole
Note: Pressing the RESET hole will erase the clock setting and stored stations.
**General Operation**

**SWITCHING ON AND OFF**

1. Press \(\) to turn on the unit.
2. Press **SRC** once or more to select your desired function: DISC, Tuner(Radio).
3. Press \(\) more than 2 seconds to power off.
4. When you switch off the system or car ignition, the settings, tuner presets and the volume level will be retained in the unit’s memory.

**VOL Knob Function**

Press the knob once to select **BASS/TREBLE/BALANCE/FADER**, rotate the knob to adjust.

![Image of VOL Knob Function](image-url)
Rotary Knob Menu

Press the knob more than 2 seconds to enter menu mode, then each press changes the mode as follows:
EQ MODE, LOUD, BEEP, CAMERA, 12/24 MODE, TA MODE, RETUNE, PARKING, MIRROR IMAGE, TA-VOL, VOL-MODE, A-VOL.

**EQ mode**

Rotate the knob to select EQ sound effect: ROCK - POP - CLASSIC - FLAT - EQ OFF

**LOUD mode**

Rotate the knob to choose loud on or off.
Rotary Knob Menu

BEEP ON/OFF mode
Rotate the knob to choose button beep sound on or off.

CAMERA
Rotate the knob to turn rear camera on or off. While unit enter camera ON mode, Press the knob more than 2 seconds return to camera OFF mode. Under camera on mode, Press the SRC is invalid.

12/24 mode
Select 12 hours mode or 24 hours mode.
Rotary Knob Menu

**TA mode**
Rotate the knob to choose TA ALARM or TA SEEK mode. If the TA (Traffic Announcements) is turned on and there is no traffic program identification code received in the specified time, no TA/TP will display and either TA ALARM or TA SEEK will be activated.
TA ALARM mode: Alarm is turned on.
TA SEEK mode: TA SEEK is automatically activated.

**RETUNE mode**
Rotate the control to choose RETUNE-S or RETUNE-L.
RETUNE-S or RETUNE-L is time length selection of TA SEEK retune interval.
RETUNE-S: Short, TA SEEK Retune interval is 45 seconds.
RETUNE-L: Long, TA SEEK Retune interval is 180 seconds.
REMARK: RETUNE mode functions for TA during TA SEEK mode only.

**PARKING mode**
Rotate the knob to turn rear parking attention on or off. While unit enter parking ON mode, Play the video disc, The screen appera “DO NOT WATCH VIDEO WHILE DRIVING”, and blank screen.
Rotary Knob Menu

MIRROR IMAGE mode

Rotate the knob to choose MIRROR IMAGE mode on or off. While enter MIRROR IMAGE ON mode, The video of camera is mirror image.

TA-VOL

Rotate the knob to choose TA-VOL level.

VOL - mode

Rotate knob to choose VOL LAST, the turn-on volume level is the volume level of latest power off. Rotate knob to choose VOL ADJUST, then press the knob to choose A-VOL, and set the A-VOL volume level. In the VOL ADJUST mode, The volume level of power on is the volume level of A-VOL.
Rotary Knob Menu

A - VOL

Rotate the knob to choose A-VOL level.
Radio

Band

1. Press ⊕ to power on, then press SRC once or more to select tuner.
2. Press BAND once or more to select FM1, FM2, FM3, MW1, MW2. Display shows wave band, frequency, and preset station number if already stored.

Tune

Radio tune by step manually: Press ▶ or ◀ less than 2 second.
Radio seek automatically: Press ▶ or ◀ more than 2 second.
Press either 1-8 button to store the selected station.
DVD mode

Press SRC button to select DVD mode (when disc is insert, and unit is reading disc), then press the DISP button. The LCD will display:
Radio and Clock

AMS : Auto Memory Store

Press AMS briefly to scan the preset station 1 - 6 for 5 seconds each. Hold more than 2 seconds, the 6 strongest available stations will be automatically saved in the memory of preset button 1 - 6.

Clock Setting

1. Press DISP more than 2 seconds, minute display blinks, rotate the knob to set minute.
2. Press the knob once, hour display blinks, rotate the knob to set hour.
3. Press DISP to confirm.
RDS (Radio Data System)

RDS service availability varies with areas. Please understand if RDS service is not available in your area, the following service is not available.

RDS Basics

AF (Alternative Frequency) When the radio signal strength is poor, enabling the AF function will allow the unit to automatically search another station with the same PI (program identification) as the current station but with stronger signal strength.

PS (Program Service name) The name of station will be displayed instead of frequency.

AF Mode: Press AF/TA button less than 2 seconds to switch AF mode on and off.

AF on: AF function is activated.

AF off: AF function is disabled.

Remark: AF indicator on LCD will flash until RDS information is received. If RDS service is not available in your area, turn off the AF mode.

Traffic Announcements

Some RDS FM stations periodically provide traffic information.

TP (Traffic Program Identification) Broadcasting of traffic information

TA (Traffic Announcements Identification) Radio announcements on traffic conditions

TA Mode: Press AF/TA for more than 2 seconds to turn on / off the TA function. When TA mode is turned on, the TA indicator will blink.

When traffic announcement is received, the TA indicator will display. The unit will temporarily switch to the tuner mode (regardless of the current mode) and begin broadcasting the announcement at TA volume level. After the traffic announcement is over, it will return to the previous mode and volume level. When TA is turned on, SEEK, SCAN, AMS function can only be received or saved when traffic program identification (TP) code is received.

EON (Enhanced Other Networks)

When EON data is received, the EON indicator lights and the TA and AF functions are enhanced.

TA: Traffic information can be received from the current station or stations in other network.

AF: The frequency list of preset RDS stations is updated by EON data. EON enables the radio to make fuller use of RDS information. It constantly updates the AF list of preset stations, including the one that currently tuned into. If you preset a station around the area at your home, you will later be able to receive the same station at an alternative frequency, or any other station serving the same program, EON also keeps track of locally available TP stations for quick reception.
RDS (Radio Data System)

PTY Reception (Program Type)

RDS FM stations provide a program type identification signal. Example: news, rock, info, sport, etc.

PTY Mode: Press PTY to turn on the Program Type reception, the previous PTY type is shown. Press PTY once again to enter the MUSIC type or press twice to enter the SPEECH type, then use buttons 1 - 6 to select the desired program type. The selected PTY type is shown and searching starts if no other function is selected for 2 seconds. If there is no corresponding program type, NO PTY is shown and the unit will return to normal mode.

PTY Type Preset: Press PTY once to enter the MUSIC type or press PTY twice to enter the SPEECH type. Then use function 1 - 6 to select the desired program type.

REG Mode: Press PTY for more than 2 seconds to switch REG mode on and off.

REG on: AF function will implement the regional code (of the PI) and only stations in the current region can be tuned automatically.

REG off: AF function will ignore the regional code (of the PI) and stations in the other regions can also be tuned automatically.

<table>
<thead>
<tr>
<th>PRESET NO.</th>
<th>MUSIC TYPE</th>
<th>SPEECH TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>POP M</td>
<td>NEWS</td>
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<tr>
<td></td>
<td>ROCK M</td>
<td>AFFAIRS</td>
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<td></td>
<td>EASY M</td>
<td>INFO</td>
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<td>LIGHT M</td>
<td>SPORT</td>
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<td></td>
<td>OTHER M</td>
<td>DRAMA</td>
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<tr>
<td>4</td>
<td>JAZZ M</td>
<td>CULTURE</td>
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<td></td>
<td>COUNTRY</td>
<td>SCIENCE</td>
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<td></td>
<td>NATIONAL M</td>
<td>VARIED</td>
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<td></td>
<td>OLDIES M</td>
<td>VARIOUS</td>
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<tr>
<td>6</td>
<td>FOLK M</td>
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<td></td>
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<td>RELIGION</td>
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<td>TRAVEL</td>
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<td>LEISURE</td>
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<tr>
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<td></td>
<td>DOCUMENT</td>
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</tbody>
</table>
Disc Playback

Disc Load / Eject

Load: Press button to slide down the panel. Insert the disc into the slot.
Eject: Press button to slide down the panel. Press to eject the disc.

Disc playback

1. When disc inserted, display shows READ. For MP3 or disc with mixed files, reading time may exceed 1 minute.
2. ERROR will be displayed if error found in disc operation.
3. For VCD/CD, VCD or CD icon will appear on the display.
5. For DVD, DVD icon will appear on the display and TITLE appears.
   Press ENTER or to play.
Disc Playable

File type supported

Audio file: MP3 (*.mp3), WMA (*.wma)
Video file: MPEG 2 (*.vob), MPEG 1 (*.dat)
Picture file: JPEG (*.jpg)
MP3 file: ISO 9660 or ISO 9660 + Joliet format - Max. 30 characters.
  Max. nested directory is 8 levels.
  The max. album number is 99.
  The max. length of each track is 99 minutes 59 seconds.
Supported sampling frequency for MP3 disc: 8KHz to 48KHz (44.1KHz preferably).
Supported bit-rates of MP3 disc are: 32 - 320 kbps (128 kbps preferably).

Disc and file NOT supported

*.ACC, *.DLF, *.M3U, *.PLS, MP3 PRO files and files with DRM.
Open session discs.
Audio/Video/Picture File Playback

When MUSIC / PICTURE / VIDEO file is played, Category/Folder/File list will be displayed on the screen, and file/folder name being played will be displayed on top. Current selected item will be highlighted.

Category Select

Use ◀/▶ to select  
- AUDIO  
- PICTURE  
- VIDEO

Press ENTER to confirm.

Folder Select

Use ◀/▶ to enter folder list and use ▲▼ to select desired folder, press ENTER to confirm.

File Select

Use ◀/▶ to enter file list and use ▲▼ to select desired file, press ENTER to play back, press ■ to stop.  
For PICTURE, press ◄ to slide show the pictures, press PROG to select picture showing style.  
For MUSIC, press ■ will enter intro logo, then press ◄ to return.
Track Playback

select desired track
-Press ◀ or ▶ to skip to the next track.
-Use 1-9 and 0, 10+ buttons on the remote control to select desired track number.

Fast forward / backward during playback
Press ◀ or ▶ for more than 2 seconds once or more to select X2, X4, X8, X20 to fast backward or forward track during playback.
- During the fast forward or backward operation, press ▶ briefly to playback again.
- During the fast forward or backward operation, the volume will be muted.

INTRO (for CD/VCD only)
You can play the beginning of every track for 15 seconds in sequence.
1. During playback, press INT once.
- INT ON/OFF will appear on the display.
2. Press INT again to select the current track.

Random track playback (For CD/VCD/MP3 Only)
You can play all the tracks in random order.
1. During playback, press RDM once or more.
- RDM icon will appear on the display.
2. Press RDM again to select normal playback.

REPEAT
During playback, press RPT once or more.
- RPT icon will appear on the display.
- For VCD/CD: Display appears RPT ONE → RPT ALL → RPT OFF
- For DVD: Display appears RPT CHAPTER → RPT TITLE → RPT OFF
- For File disc: Display appears RPT ONE → RPT DIR → RPT ALL → RPT OFF

Note: If you do not select RPT on, when the entire disc or TITLE playback has finished, the system will stop. If no other control, after 5 minutes the unit will into standby mode.
**Track Playback**

**REPEAT A → B**
Selected desired passage to repeat playback.
- Press A → B once to select starting point. Display shows REPEAT A.
- Press A → B again to select ending point. Display shows REPEAT A → B, and selected passage start to replay.
- Press A → B once again to exit. Display shows A → B.
CANCELLED.

**PAUSE**
- During playback, press  to pause playback.
- The sound will be muted.
- Display "PAUSE" in the TV screen, display and blink "PAUSE" on the panel display. Press  again to continue playback.

**PBC - Playback Control (For VCD only):**
1. If you insert a VCD with PBC, playback starts from the beginning of the 1st track automatically.
2. Press PBC to show menu, use  or digit button to select desired track. Press  to return to menu. Press PBC again to exit menu.

**GO TO**
Goto desired track/chapter or time point directly.
Press GOTO button on the remote control, track or DVD Title/Chapter and time display on top of the screen. Current item is highlighted.
Use  to select desired item. Use digit button to select number. Press enter to confirm.
Track Playback

Program

- Press PROG to enter program list. Use ▲/▼ or ◄/► cursor and digit button to enter number. For DVD and File disc, select title and chapter number. For VCD and CD, select track number.
- Press ► to play, or move the cursor to select "PLAY" and press ENTER to play.
- If you want to delete the list, move the cursor to "CLEAR", press ENTER to delete all the list set before.
- Press PROG again to exit program play.

DVD Playback

DVD Audio Select

Press AUDIO or R/L to select audio language to listen if the DVD has multiple audio languages.

VCD Audio Select

Press R/L to select audio channel to listen.
**DVD Playback**

**DVD Subtitle Select**
Press **SUB.T** to select the subtitle language to show if the DVD has multiple language subtitles.

**DVD TITLE Select**
Press **TITLE** to display title or chapter list, use ↗️/↘️ or ←/→ cursor or digit number to select, press **ENTER** to play.

**DVD Angle Select**
Press **ANGLE** to select different angle to view if the DVD has multiple-angle views.

**ZOOM**
Press **ZOOM** button, the picture will be zoomed accordingly.

\[ X2 \rightarrow X3 \rightarrow X4 \rightarrow X1/2 \rightarrow X1/3 \rightarrow X1/4 \rightarrow OFF \]
DVD Setup

Press SETUP to display setup menu on the screen.
Use ◄/◢ to select setup items:
SYSTEM - LANGUAGE - AUDIO - VIDEO - DIGITAL

DVD System Setup

Use ▲/▼, ◄/◢ to select and ENTER to confirm.

TV System

Screen System

Video Output Mode

Select the TV system in the setting menu.
The screen saver appears if disc stop last more than 3 minutes. Original setting: ON.
Original setting: INTERLACE-YUV.
# 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

1. Press number button "0000" on the remote control, then press the ENTER button to confirm.
2. Press the desired 4-digit password, and then press ENTER button to confirm.
3. Record the password and keep it in a safe place for future reference.

## Setting Rating

The rating of the disc is from 1 to 8:
- (1) 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 on only under the password locked status.

## Load Default

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

---

### System Setup

<table>
<thead>
<tr>
<th>TV SYSTEM</th>
<th>SCREEN SAVER</th>
<th>VIDEO</th>
<th>TV TYPE</th>
<th>PASSWORD</th>
<th>RATING</th>
<th>DEFAULT</th>
<th>EXIT SETUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV TYPE</td>
<td></td>
<td>4:3 PS</td>
<td></td>
<td>4:3 LB</td>
<td>16:9</td>
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</tr>
</tbody>
</table>

If you forget the password, please enter 0000 to reset a new password. The password: 0000
### DVD Language Setup

#### OSD Language

<table>
<thead>
<tr>
<th>LANGUAGE SETUP</th>
<th>CHINESE</th>
<th>ENGLISH</th>
<th>GERMAN</th>
<th>SPANISH</th>
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<td>EXIT SETUP</td>
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Select on screen display language of the DVD.

#### Audio Language

<table>
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<tr>
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Select audio language of the DVD from which is contained in the DVD.

#### Subtitle Language

<table>
<thead>
<tr>
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<th>ENGLISH</th>
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Select subtitle language of the DVD from which is contained in the DVD.

### Menu Language

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<th>LANGUAGE SETUP</th>
<th>CHINESE</th>
<th>ENGLISH</th>
<th>GERMAN</th>
<th>SPANISH</th>
<th>FRENCH</th>
<th>PORTUGUESE</th>
<th>GERMAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSD LANGUAGE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Audio LANG</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUBTITLE LANG</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MENU LANG</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXIT SETUP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Setting Volume

Setup the volume with the ▲/▼ buttons.
**DVD Video Setup**

**Brightness**

<table>
<thead>
<tr>
<th>VIDEO SETUP</th>
<th>BRIGHTNESS</th>
<th>CONTRAST</th>
<th>HUE</th>
<th>SATURATION</th>
<th>SHARPNESS</th>
<th>EXIT SETUP</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>--</td>
<td>-- 10</td>
<td>-- 8</td>
<td>-- 6</td>
<td>-- 2</td>
<td>-- 0</td>
</tr>
</tbody>
</table>

Set the brightness of the video output with ▲/▼.

**Contrast**

<table>
<thead>
<tr>
<th>VIDEO SETUP</th>
<th>BRIGHTNESS</th>
<th>CONTRAST</th>
<th>HUE</th>
<th>SATURATION</th>
<th>SHARPNESS</th>
<th>EXIT SETUP</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>--</td>
<td>-- 10</td>
<td>-- 8</td>
<td>-- 6</td>
<td>-- 2</td>
<td>-- 0</td>
</tr>
</tbody>
</table>

Set the contrast of the video output with ▲/▼.

**Hue**

<table>
<thead>
<tr>
<th>VIDEO SETUP</th>
<th>BRIGHTNESS</th>
<th>CONTRAST</th>
<th>HUE</th>
<th>SATURATION</th>
<th>SHARPNESS</th>
<th>EXIT SETUP</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>--</td>
<td>-- 10</td>
<td>-- 8</td>
<td>-- 6</td>
<td>-- 2</td>
<td>-- 0</td>
</tr>
</tbody>
</table>

Set the hue of the video output with ▲/▼.

**Saturation**

<table>
<thead>
<tr>
<th>VIDEO SETUP</th>
<th>BRIGHTNESS</th>
<th>CONTRAST</th>
<th>HUE</th>
<th>SATURATION</th>
<th>SHARPNESS</th>
<th>EXIT SETUP</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>--</td>
<td>-- 10</td>
<td>-- 8</td>
<td>-- 6</td>
<td>-- 2</td>
<td>-- 0</td>
</tr>
</tbody>
</table>

Set the saturation of the video output with ▲/▼.

**Sharpness**

<table>
<thead>
<tr>
<th>VIDEO SETUP</th>
<th>BRIGHTNESS</th>
<th>CONTRAST</th>
<th>HUE</th>
<th>SATURATION</th>
<th>SHARPNESS</th>
<th>EXIT SETUP</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>--</td>
<td>-- 10</td>
<td>-- 8</td>
<td>-- 6</td>
<td>-- 2</td>
<td>-- 0</td>
</tr>
</tbody>
</table>

Set the sharpness of the video output with ▲/▼.
**DVD Digital Setup**

### 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 Mono

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

Wiring Diagram

For some VW/Audi or Opel (Vauxhall) car models, you may need to modify wiring of the supplied power cord as illustrated, or else the memory of the unit may be lost after you power off. Contact your authorized car dealer before installing this unit.

Original wiring

<table>
<thead>
<tr>
<th>Yellow</th>
<th>Yellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>Red</td>
</tr>
</tbody>
</table>

Modified wiring

<table>
<thead>
<tr>
<th>Yellow</th>
<th>Yellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>Red</td>
</tr>
</tbody>
</table>
Electrical Connections

Using the ISO Connector

1. If your car is equipped with the ISO connector, then connect the ISO connectors as illustrated.

2. For connections without the ISO connectors, check the wiring in the vehicle carefully before connecting, incorrect connection may cause serious damage to this unit. Cut the connector, connect the colored leads of the power cord to the car battery, as shown in the colour code table below for speaker and power cable connections.

<table>
<thead>
<tr>
<th>Location</th>
<th>Connector A</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>Rear Right (+) - Purple</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Rear Right (-) - Purple / Black Stripe</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Front Right (+) - Gray</td>
</tr>
<tr>
<td>4</td>
<td>Battery 12V(+) / yellow</td>
<td>Front Right (-) - Gray / Black Stripe</td>
</tr>
<tr>
<td>5</td>
<td>Auto Antenna / blue</td>
<td>Front Left (+) - White</td>
</tr>
<tr>
<td>6</td>
<td>ACC+ / red</td>
<td>Front Left (-) - White / Black Stripe</td>
</tr>
<tr>
<td>7</td>
<td>Ground / black</td>
<td>Rear Left (+) - Green</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>Rear Left (-) - Green / Black Stripe</td>
</tr>
</tbody>
</table>
Installation Guide

Installation Procedures

Carefully complete the electrical connections. Check connections before operation.

Reset

Press \( \square \) to flip down the panel. Then press the Reset hole with a pointed object to reset the unit to restore the system to the original factory settings.

1. Insert mounting collar into the dashboard, and bend the mounting tabs out with a screwdriver. Make sure that lock lever (\( \times \)) is flush with the mounting collar (not projecting outward).

2. Secure the rear of the unit. After fixing mounting bolt and power connector, fix the rear of the unit to the car body with the supplied rubber cushion.

3. Insert trim plate

Intallaion opening

This unit can be installed in any dashboard with a suitable 183mm(w) x 52mm (h) opening as shown above. The dashboard should be 4.75 mm - 5.56 mm thick in order to be able to support the unit.

Important: Remove these two screws before installation. Otherwise, the DVD Player will not work.
Anti-Theft System

This unit is designed with a flip-down detachable panel. The panel can be detached and taken with you, helping to deter theft.

Removing the panel
1. Press  to switch off the power of the unit.
2. Press  to flip down the panel.
3. At an angle hold the panel to pull it out.
4. Place the panel into the case and take it with you when you leave the car.

Installing the panel
1. Hold the panel and ensure the panel faces toward you, and at an angle set the right side of the panel in the panel bracket.
2. Press the left side of the panel until it locks.

Removing the unit
1. Remove the panel and the trim plate.
2. Insert both T-Keys into the hole in front of the set until they lock.
3. Pull out the unit.
## Trouble shooting

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 and 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.  |
**Trouble shooting**

**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 Messages**

- **ERROR**
  - Disc is dirty, damaged or upside down: Press ▲ to eject the disc.

- When video file initializing time is too long
  - File read error or file type not supported: Press SRC to exit. Then press SRC to play disc again.
## Specifications

### General

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>12V DC (11V-16V) Test voltage 14.4V, negative ground</td>
</tr>
<tr>
<td>Maximum power output</td>
<td>50Wx4 channels</td>
</tr>
<tr>
<td>Continuous power output</td>
<td>25Wx4 channels (4Ω10% T.H.D.)</td>
</tr>
<tr>
<td>Suitable speaker impedance</td>
<td>4-8 ohm</td>
</tr>
<tr>
<td>Pre-Amp output voltage</td>
<td>2.0V (CD play mode: 1KHz, 0 dB, 10KΩ load)</td>
</tr>
<tr>
<td>Fuse</td>
<td>15A</td>
</tr>
<tr>
<td>Dimensions (WxHxD)</td>
<td>178x50x166mm</td>
</tr>
<tr>
<td>Weight</td>
<td>2.2 kg</td>
</tr>
</tbody>
</table>

### 3 INCH TFT LCD

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display resolution (dot)</td>
<td>960(W) x 240(H)</td>
</tr>
<tr>
<td>Active area (mm)</td>
<td>60.00 x 45.00</td>
</tr>
<tr>
<td>Screen size (inch)</td>
<td>3.0 (Diagonal)</td>
</tr>
<tr>
<td>Dot pitch (mm)</td>
<td>0.0625 x 0.1875</td>
</tr>
<tr>
<td>Contrast ratio</td>
<td>300</td>
</tr>
<tr>
<td>Brightness</td>
<td>350 nits</td>
</tr>
</tbody>
</table>

### FM Stereo Radio

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency range</td>
<td>87.5-108.0 MHz (Europe)</td>
</tr>
<tr>
<td></td>
<td>87.5-107.9 MHz (America)</td>
</tr>
<tr>
<td>Usable sensitivity</td>
<td>8 dBμ</td>
</tr>
<tr>
<td>Frequency response</td>
<td>30 Hz-15KHz</td>
</tr>
<tr>
<td>Stereo separation</td>
<td>30dB (1 KHz)</td>
</tr>
<tr>
<td>Image response ratio</td>
<td>50dB</td>
</tr>
<tr>
<td>IF response ratio</td>
<td>70dB</td>
</tr>
<tr>
<td>Signal/noise ratio</td>
<td>&gt;55dB</td>
</tr>
</tbody>
</table>

### AM(MW) Radio

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency range</td>
<td>522-1620 KHz (Europe)</td>
</tr>
<tr>
<td></td>
<td>530-1710 KHz (America)</td>
</tr>
<tr>
<td>Usable sensitivity (S/N=20dB)</td>
<td>30 dBμ</td>
</tr>
</tbody>
</table>

### Disc Player

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>System</td>
<td>Disc digital audio system</td>
</tr>
<tr>
<td>Frequency response</td>
<td>20 Hz - 20 KHz</td>
</tr>
<tr>
<td>Signal/noise ratio</td>
<td>&gt;80 dB</td>
</tr>
<tr>
<td>Total harmonic distortion</td>
<td>Less than 0.20% (1 KHz)</td>
</tr>
<tr>
<td>Channel separation</td>
<td>&gt;60dB</td>
</tr>
<tr>
<td>Video signal format system</td>
<td>PAL/NTSC/AUTO</td>
</tr>
<tr>
<td>Video output</td>
<td>1 ± 0.2V</td>
</tr>
<tr>
<td>Horizontal resolution</td>
<td>≥ 500 lines</td>
</tr>
</tbody>
</table>

### Components

<table>
<thead>
<tr>
<th>Component</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting collar</td>
<td>1</td>
</tr>
<tr>
<td>Machine screws M5x6 mm</td>
<td>4</td>
</tr>
<tr>
<td>Machine screws M4x6 mm</td>
<td>4</td>
</tr>
<tr>
<td>Mounting bolt (50 mm)</td>
<td>1</td>
</tr>
<tr>
<td>Wire connector</td>
<td>1</td>
</tr>
<tr>
<td>Removable face plate case</td>
<td>1</td>
</tr>
<tr>
<td>Trim plate</td>
<td>1</td>
</tr>
<tr>
<td>T-key</td>
<td>2</td>
</tr>
<tr>
<td>Operating Instructions</td>
<td>1</td>
</tr>
<tr>
<td>Rubber cushion</td>
<td>1</td>
</tr>
<tr>
<td>Remote control</td>
<td>1</td>
</tr>
</tbody>
</table>

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