

Entertainment System DV5600

Instruction Manual



*Product picture is for reference only.

Welcome

Thank you and congratulations for purchasing the Furrion® DV3300S-BL Entertainment System. Before operating your new product, please read these instructions carefully. This instruction manual contains information for safe use, installation, and maintenance of the product. Please keep this instruction manual in a safe place for future reference. This will ensure safe use and reduce the risk of injury. Be sure to pass on this manual to new owners of this product.

The manufacturer does not accept responsibility for any damages due to not observing these instructions.

If you have any further questions regarding our products, please contact us at **support@furrion.com**

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Safety and Notice

Safety



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

⚠ WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Class 1 Laser Product

Laser product symbol:
Located on the rear panel of the unit, this symbol indicates this unit is a class 1 laser

CLASS 1
LASER PRODUCT

product. Only use weak laser and no hazardous radiation outside of the unit.

1. Read through this instruction manual before installation and use.
2. Do not touch the power plug with wet hands.

3. Switch off the power when the unit is not in use. (Disconnect the power plug from the power outlet when you do not intend to use the unit for a prolonged period of time.) Before moving the unit, remove the disc from the unit/tray first.
4. Do not open the cover or touch any of the components inside of the unit. Only a qualified technician should service the unit.
5. To avoid damaging the unit, do not expose the unit to direct sunlight or objects that radiate heat.
6. Do not place the unit in moist or humid conditions. Moisture will affect normal operation and damage the unit.
7. Place the unit on a flat, well-ventilated location. Please ensure the ventilation holes are not covered to avoid overheating and malfunction.
8. Clean the panel and case with a soft dry cloth only. Do not apply any kind of thinner, alcohol or sprays.
9. The apparatus should not be exposed to dripping or splashing. Do not place objects filled with liquids (such as vases) on the apparatus.

⚠ WARNING

- Do not ingest the battery contained within the remote control supplied with the unit as this battery represents a chemical burn hazard.
- This product contains a coin/button cell battery.
- If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- Keep new and used batteries away from children.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

⚠ CAUTION

- Danger of explosion if battery is incorrectly replaced.
- Replace only with the same or equivalent battery type.
- The battery should not be exposed to excessive heat such as sunshine or fire.

Safety and Notice

Notice of compliance

The 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.

FCC rules

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Relocate the receiving antenna.
- Increase the separation between equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

All registered and unregistered trademarks are property of their respective owners.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Introduction

What's in the box

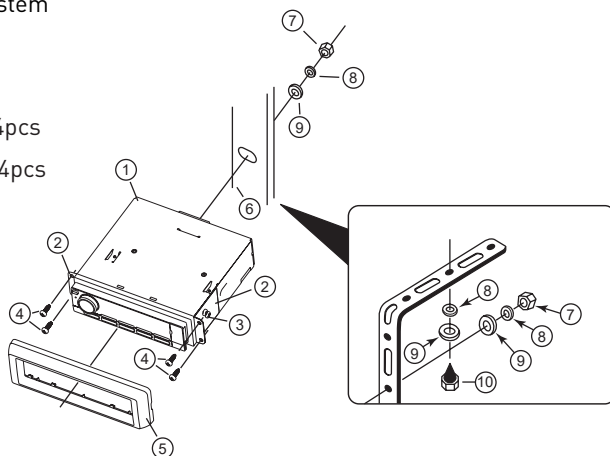
Thanks for purchasing the Furrion DV5600 Entertainment System. This manual will help you set up and begin using your product. Please read this manual thoroughly and keep this manual in a safe place for future reference.

First, check the contents of your box with the parts checklist below:

- Furrion DV5600 Entertainment System

- ① Main unit
- ② Mounting bracket
- ③ Mounting screw cm5x8mm x 4pcs
- ④ Mounting screw pa5x16mm x 4pcs
- ⑤ Trim cover
- ⑥ Rear support strap
- ⑦ Hex nut
- ⑧ Lock washer
- ⑨ Plain washer
- ⑩ Tapping screw pa5x16mm

- Remote control
- Printed materials



Precautions

Connect this unit to a 12V DC negative ground battery system which is standard in North American and European vehicles.

When installing the unit, ensure that all wire ends not in use are insulated to avoid short circuit or earthing which can lead to the risk of fire or electrical shock.

Avoid inserting foreign objects into the disc loading slot of the unit as this will cause malfunction.

Do not expose this unit to moisture or wet environments. If condensation is present on the screen, wait for 1 hour or more for the moisture to evaporate.

If the interior of the vehicle is extremely hot, do not use the unit until the vehicle's internal temperature has cooled down.

Do not use cleaning products on the front face of the unit. Only use a slightly damp cloth for cleaning.

Do not attempt to disassemble or adjust this unit. Contact a service center for assistance.

Introduction

Features

- Digital AM / FM Tuner
- DVD/CD-R/RW/MP3/WMA Compatible
- Auxiliary inputs on front and rear
- USB input
- 1 x RCA audio/video output for connecting additional TV
- 1 x subwoofer output
- 1 x memory card (SD/MMC) slot
- Detachable front panel (for antitheft purpose)
- Clock

Supported Format

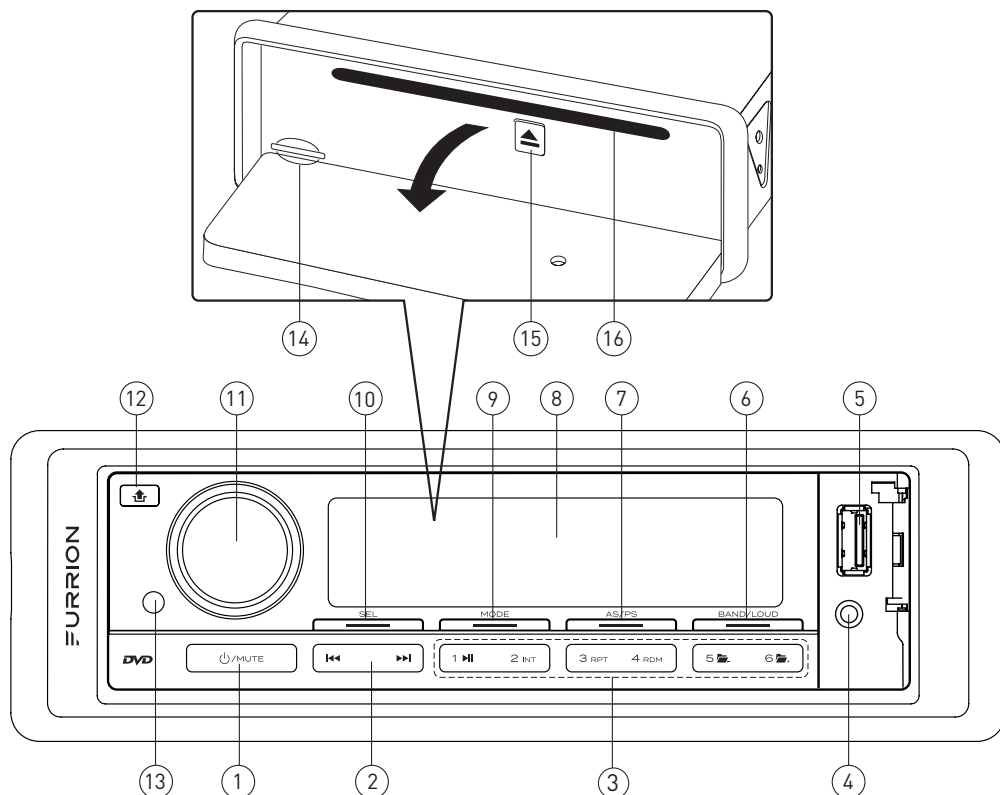
Supported Video Format					
File Extension	Container	Video Codec	Audio Codec	Resolution	Remark
.avi .divx	AVI	MPEG-4 Visual DivX 4.xx/5.xx/6.xx/3ivX XviD MPEG-1	Dolby Digital [AC3] WMA/PCM/LPCM AAC-LC [2ch] MPEG-Audio [MP1/MP2/MP3]	720 x 480 (30fps)	
.mpg	MPG	MPEG-1/MPEG-2	Dolby Digital [AC3] LPCM MPEG-Audio [MP1/MP2/MP3]	720 x 576 (30fps)	
.dat	DAT	MPEG-1/MPEG-2	Dolby Digital [AC3] LPCM MPEG-Audio [MP1/MP2/MP3]	352 x 240 (30fps)	
.vob	VOB	MPEG-1/MPEG-2	Dolby Digital [AC3]	720 x 480 (30fps)	
Supported Audio Format					
File Extension	Audio Codec		Bit Rate	Sampling Rate	Remark
.mp3	MP3		16kbps - 320kbps	8k - 48kHz	
.wma	WMA		16kbps - 320kbps	8k - 48kHz	Only WMA7/ WMA8/WMA9 (CBR/VBR) supported (only 353 format supported)

Note: Compatibility with the above file formats is not guaranteed.

Functional Overview

Control Panel

English



- ① **⏻ / MUTE**
Turn on or off the unit.
Mute or un-mute the audio output.
- ② **⏮ / ⏭**
Skip to the previous / next track.
Fast backward / forward within a track.
Tune to a radio station.
- ③ **Number buttons (1 - 6)**
Select and enter numbers.
1 ⏮: Start (resume) / pause playback.
2 INT: Play the first 10 seconds of each track (for CD playback only).

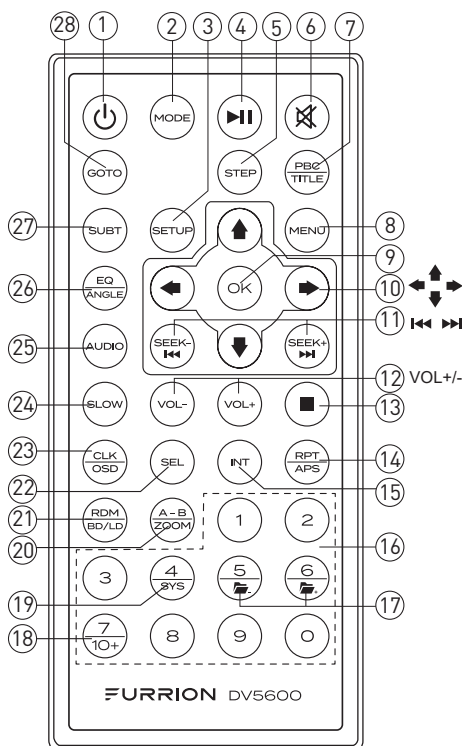
- 3 RPT**: Select repeat playback mode.
- 4 RDM**: Select random playback mode.
- 5 ⏮**: Skip to the previous folder.
- 6 ⏭**: Skip to the next folder.

- ④ **AUX socket**
Connect to the 3.5mm audio output socket on an auxiliary device.
- ⑤ **USB socket**
Connect a USB storage device.
- ⑥ **BAND / LOUD**
Select AM / FM band.
Enable or disable the loudness effect.

Functional Overview

- 7 **AS / PS**
Start automatic programming of radio stations.
Scan preset radio stations.
Stop playback.
- 8 **LCD screen**
- 9 **MODE**
Select a sound source.
- 10 **SEL**
Select a preset sound effect.
- 11 **Volume knob**
Turn the knob clockwise / counterclockwise to increase / decrease volume.
In FM mode, switch between stereo and mono sound output.
In radio mode, enable or disable local mode.
- 12 
Unlock and release the front panel.
- 13 **IR sensor for remote control**
- 14 **Memory card (SD/MMC) slot**
- 15 
Eject the loaded disc.
- 16 **Disc slot**

Remote Control



- 1 
Turn on the unit or switch to standby mode.
- 2 **MODE**
Select a sound source.
- 3 **SETUP**
Access or exit the DVD system menu.
- 4 
Start (resume) / pause playback.
- 5 **STEP**
Play a DVD/VCD frame by frame.
- 6 
Mute or un-mute the audio output.

Functional Overview

- 7 PBC / TITLE**
Display the title list during DVD/VCD playback.
Turn on / off PBC (PlayBack Control) of a disc (if available).
-
- 8 MENU**
Return to the previous menu or root menu (for DVD with a root menu only).
-
- 9 OK**
Confirm your selection.
-
- 10 Navigation buttons**
⬅➡: Navigate in a menu.
-
- 11 SEEK +/- (⏮/⏭)**
Skip to the previous/next track.
Fast backward / forward within a track.
Tune to a radio station.
-
- 12 VOL +/-**
Increase / decrease volume.
-
- 13 ■**
Stop playback.
-
- 14 RPT / APS**
Select repeat playback mode.
Start automatic programming of radio stations.
Scan preset radio stations.
-
- 15 INT**
Play the first 10 seconds of each track (for CD playback only).
-
- 16 Number buttons (0 - 9)**
Select and enter numbers.
4 SYS: Switch between PAL and NTSC systems.
5 ⏮: Skip to the previous folder.
6 ⏭: Skip to the next folder.
7 / +10: Input a number larger than 9.
-
- 17 A-B / ZOOM**
Play a specific segment in a chapter / track repeatedly.
During DVD/VCD playback, zoom in / out on images.
-
- 18 RDM / BD / LD**
Select random playback mode.
Select AM / FM band.
Enable or disable the loudness effect.
-
- 19 SEL**
Select a preset sound effect.
-
- 20 CLOCK / OSD**
Enter clock setting mode.
Display the clock.
Display the playback status.
-
- 21 SLOW**
During disc playback, select a slow forward speed.
-
- 22 AUDIO**
Select a subtitle language (if available) during DVD playback.
Select a sound mode (MONO LEFT, MONO RIGHT, or STEREO) during VCD playback.
-
- 23 EQ / ANGLE**
Select a preset EQ sound effect.
During DVD playback, adjust the viewing angle (if available).
-
- 24 SUBT**
Select the caption language during DVD playback (if available).
-
- 25 GOTO**
Show or hide the search window during disc playback.
-

Before Operation

Wiring Diagram

Audio Output: Left (White) and Right (Red)

Audio Input: Left (White) and Right (Red)

Subwoofer Output: Green

Video Output: Yellow

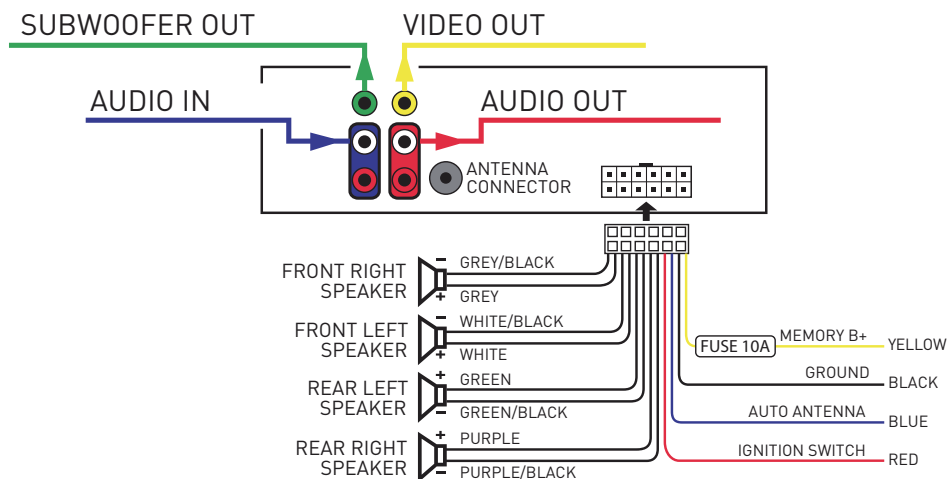
Connect to an external A/V system for display.

Note: Connect red wires to your car ignition key to avoid car battery drain when the car is not to be used for a long period.

Fuse replacement

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

Warning: Use the specified fuse for each lead. Use of a fuse with higher amperes may cause serious damage.



Before Operation

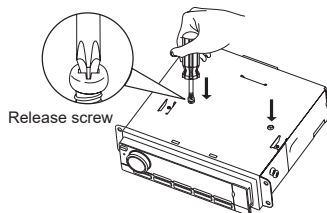
Location

1. Choose a mounting location away from humid areas, water sources, appliances or any equipment that can radiate heat.
2. Select an area on a wall or cabinet which is free from cable, fuel or brake lines. Ensure the area behind the unit has a vent hole or if it is an enclosed box, it has adequate room around the rear of the unit for cooling.
3. Ensure when the unit is mounted the wires at the rear are not pressed against the heat sink.

Install the unit

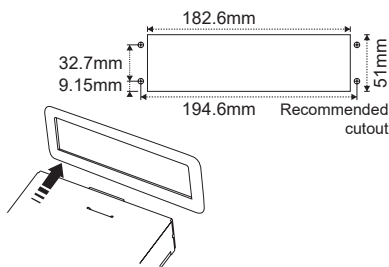
- Before installing the unit, connect the wiring temporarily and make sure the unit and the system work properly.
- Fix the unit with screws according to the following diagram.

1

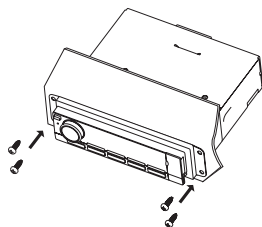


Use a screwdriver with appropriate torque only. Any other tools or excess torque may damage the deck mechanism. The manufacturer shall not be liable for any such damage.

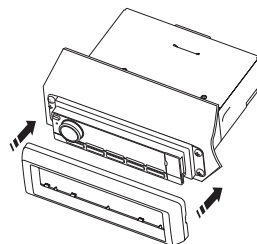
2



3



4



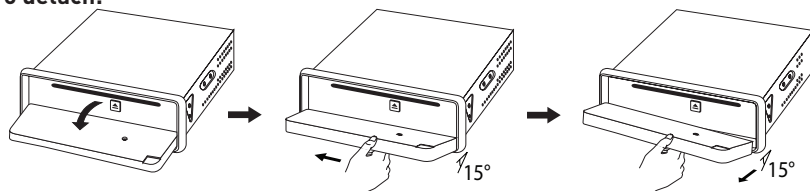
Before Operation

Attach / detach the front panel

Notes:

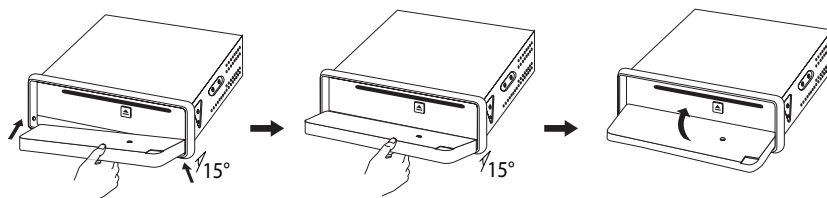
- You can easily attach the front panel by pressing it lightly against the unit. Never press it hard.
- Do not press hard or give excessive pressure to the LCD display of the front panel during operation.
- Before operation, ensure the unit is switched off.

To detach:



1. Press  to unlock and release the front panel.
2. Detach the panel by pulling it towards you.

To attach:

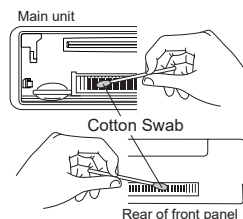


1. Align the front panel with the unit as shown.
2. Lift up to attach and lock the front panel.

Clean the connectors

The unit may malfunction if the connectors between the unit and front panel are dirty. As a preventive measure, detach the front panel and clean the connectors with a cotton swab and contact cleaner (not supplied) from time to time.

Note: Be sure to clean pin by pin carefully without damaging the connecting points.



Before Operation

Prepare the Remote Control

1. Before using the remote control for the first time, pull the insulating sheet out of the remote control in the direction indicated by the arrow. (Fig.1)

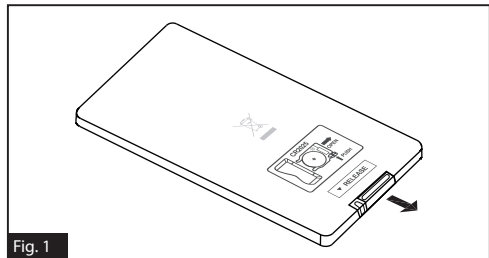


Fig. 1

2. Point the remote control towards the IR sensor on the front panel to operate.

To replace remote control battery

1. Press the movable block hold in the direction indicated by arrow A (Fig.2), then pull the battery holder out of the remote control as the direction indicated by arrow B. (Fig.2)

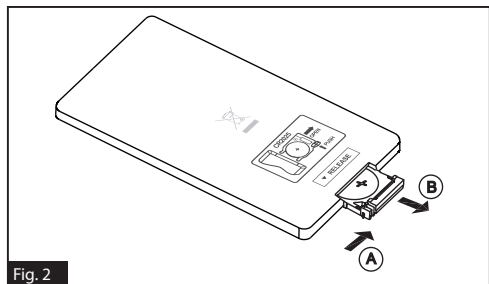


Fig. 2

2. Replace the old battery with a new battery with the (+) polarity side upward. (Fig.3)
3. Insert the battery holder to the original position in the remote control. (Fig.3)

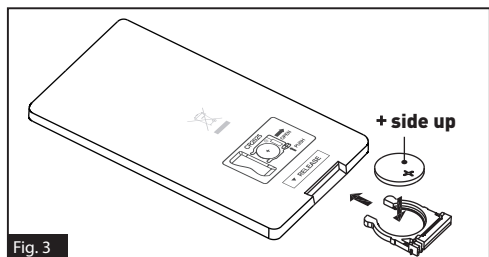


Fig. 3

Remote control battery note

- Improper use of a battery may cause overheating or an explosion that could result in injury or fire.
- Battery leakage may cause damage to the remote control. Battery Life: 6 months with normal use in normal room temperature.
- Do not short the battery.
- Do not throw the battery into the fire.
- To avoid the risk of accident, keep the battery out of reach of children.

Operation

Quick Reference Guide

General Operation

Power on/off	Press  to turn on the unit. Press and hold  on the main unit (or press  on the remote control) to turn off the unit.
Mute	Press  / MUTE on the front panel (or  on the remote control) to mute sound. Press the button again to restore the sound.
Select a source	Press MODE once or more to select TUNER, DISC (with a disc loaded), USB (with a USB storage device connected), SD, or AV IN.
Adjust volume	Rotate the volume knob on the front panel (or press VOL +/- on the remote control) to adjust volume.
Select a feature / setting	1. Press and hold SEL once or more to select EQ, LOUD, STEREO, or LOCAL. 2. Rotate the volume knob to select a feature / setting.
Select the bass/treble level	Press SEL once or more to select BASS, TREBLE, BALANCE, or FADER.
Select a preset EQ	Press EQ/ANGLE on the remote control once or more directly, or press and hold SEL once or more to select EQ and then rotate the volume knob to select Flat, Classic, Cinema, Rock, or EQ Off. The sound effect will change accordingly.
Set clock	1. Press CLK/OSD on the remote control to show the clock digits. 2. Press and hold CLK/OSD to enter clock setup mode. 3. Rotate the volume knob to adjust the hour. 4. Press CLK/OSD to enter minute setting. 5. Rotate the volume knob to adjust the minute. <i>The time on the clock is set automatically after a few seconds of inactivity.</i>
Turn on / off loudness effect	Press and hold BAND/LOUD on the front panel (or RDM/BD/LD on the remote control) to turn on or off the loudness sound effect. Or press and hold SEL once or more to select LOUD, and then rotate the volume knob to turn on or off the loudness sound effect.

Operation

Radio Operation

Select radio region	Press and hold BAND / LOUD on the front panel (or RDM / BD / LD on the remote control) for 2 seconds, then immediately press 3 RPT , 1  and 5  successively to select the AM/FM radio region (USA/AUS).
Manual tuning	1. Press and hold   until 'MANUAL' is displayed. 2. Press   to move the radio frequency down or up one step at a time.
Automatic tuning	Press   to search for the next strongest station automatically.
Select a band	Press BAND / LOUD on the front panel (or RDM / BD / LD on the remote control) to select FM1, FM2, FM3, AM1, or AM2.
Store and recall a preset station	Press and hold any one of the six preset buttons (1-6) to store the current frequency. Press the corresponding preset number button to recall the stored frequency.
Store stations automatically	Press and hold AS/PS on the front panel (or RPT/APS on the remote control) to automatically store the six strongest stations on the current band. Up to 18 FM stations and 12 AM stations can be stored.
Scan preset stations	Press AS/PS on the front panel (or RPT/APS on the remote control) to scan presets 1-6 on the current band.
LOC	Press and hold SEL once or more to select LOCAL, and then rotate the volume knob to turn on / off the LOC (local) function.
Stereo/mono	In FM mode, press and hold SEL once or more to select STEREO, and then rotate the volume knob to select stereo or mono sound output.

Disc / USB Operation

Insert a disc	1. Press  to unlock and release the front panel. 2. With the label facing up, insert a disc into the disc slot. 3. Lift up to attach and lock the front panel. The disc will automatically begin playback..
Eject the disc	Release the front panel, then press  to eject the disc.
Select a chapter / track	Press   to skip to the previous or next chapter / track.
Fast backward / forward	Press and hold   to fast backward / forward.
Pause playback	Press  to temporarily stop playback. Press  again to resume playback.
Stop playback	Press AS/PS on the front panel (or  on the remote control) once to pause playback. Then you can press  to resume. Press AS/PS on the front panel (or  on the remote control) twice to stop playback. Then press  to start playback from the beginning of the first chapter / track.
Repeat	Press RPT to play the current chapter / track repeatedly. Press RPT again to resume.
Random	Press RDM to play each track in random order. Press RDM again to resume.
Title	In DVD/VCD mode, press PBC/TITLE on the remote control to display the title list.

Operation

Common Operation

Turn the unit on / off

Press  to turn on the unit.

Press and hold  on the main unit (or press  on the remote control) to turn off the unit.

Select a source

Press **MODE** once or more to select TUNER, DISC (with a disc loaded), USB (with a USB storage device connected), SD, or AV IN.

Adjust volume

Rotate the volume knob clockwise / counterclockwise (or press **VOL +/-** on the remote control) to increase / decrease volume.

Mute

1. Press  / **MUTE** on the front panel (or  on the remote control) to mute sound output in any source mode.
'MUTE' appears on the screen.
2. Press the button again to resume.

Display and set the clock

1. To display the clock on the LCD display, press **CLK/OSD** on the remote control.
2. To adjust or set the clock, when the clock is displayed, press and hold **CLK/OSD** on the remote control to enter clock setup mode.

Rotate the volume knob to adjust the hour.

Press **CLK/OSD** to enter minute setting.

Rotate the volume knob to adjust the minute.

The time on the clock is set automatically after a few seconds of inactivity.

Select a preset EQ mode

Press **EQ/ANGLE** on the remote control once or more directly, or press and hold **SEL** once or more to select EQ and then rotate the volume knob to select Flat, Classic, Cinema, Rock, or EQ Off.

The sound effect will change accordingly.

Turn on / off LOUD mode

Press and hold **BAND/LOUD** on the front panel (or **RDM/BD/LD** on the remote control) to turn on or off the loudness sound effect. Or press and hold **SEL** once or more to select LOUD, and then rotate the volume knob to turn on or off the loudness sound effect.

Select the bass/treble level

Press **SEL** once or more to select BASS, TREBLE, BALANCE, or FADER.

Return to the previous menu

Press **MENU** on the remote control.

Radio Operation

Select a radio region

In radio mode, press and hold **BAND / LOUD** on the front panel (or **RDM / BD / LD** on the remote control) for 2 seconds, then immediately press **3 RPT**, **1**  and **5**  successively to select the AM/FM radio region (USA/AUS).

Select AM/FM band

In radio mode, Press **BAND / LOUD** on the front panel (or **RDM / BD / LD** on the remote control) to select FM1, FM2, FM3, AM1, or AM2.

The selected band will be displayed on the front panel.

Operation

Tune to / search for radio stations

In radio mode:

- Press **◀◀/▶▶** to automatically search down/up for an available station from the current frequency.
- Press and hold **◀◀/▶▶** until 'MANUAL' is displayed, then press **◀◀/▶▶** to manually search up or down for your desired station from the current frequency.

Use the AS/PS button

In radio mode:

1. Press and hold **AS/PS** on the front panel (or **RPT/APS** on the remote control) to search for radio frequencies with sufficient signal strength (starting from the lowest frequency and ending until the search cycle is finished).
2. Press **AS/PS** on the front panel (or **RPT/APS** on the remote control) to play each preset station for 5 seconds.

Use the preset number button (1-6)

In radio mode:

1. To store the current frequency on the current band, press and hold any one of the six preset number buttons (1-6).
2. To recall the preset memory on the current band, press one of the preset buttons [1-6].

Switch between STEREO/MONO

1. In FM mode, press **and hold SEL** once or more to select STEREO.
2. Rotate the volume knob to select stereo or mono sound output.

Use the LOC ON / OFF function

1. In radio mode, sometimes the signals of the distant radio stations are very weak and the reception is poor during tuning. You can press **and hold SEL** once or more to select LOCAL, and then rotate the volume knob to turn off the LOC function before tuning again for the distant radio stations.
2. In radio mode, too strong signals from the local radio stations may lead to interference. You can press **and hold SEL** once or more to select LOCAL, and then rotate the volume knob to turn on the LOC function before tuning to the local stations again.

Basic Disc / USB Operation

Start playback

1. Press  to turn on the unit.
2. Turn on the TV set, from which the video output is connected to the video input of the unit.
 - If nothing displays on the TV screen when the unit is turned on, ensure that the TV is set to the right video input (not TV channel). For example, if the TV is connected with the unit via the VIDEO 1 INPUT, then you need to set the TV to VIDEO1.
3. Press  to unlock and release the front panel.
4. Insert a disc into the disc slot (with the label side facing up).
5. Lift up to attach and lock the front panel.

NOTE:

- Discs that are seriously scratched or of poor manufacturing or recording quality may not play.
- If the unit cannot read a disc in normal conditions, please try to eject and reload the disc.

Pause playback

When playing DVD/VCD/CD/MP3/WMA discs, press ►|| to pause playback. You can press ►|| again to resume normal playback.

Stop playback

- When playing DVD/VCD/MP3/WMA/CD discs, press **AS/PS** on the front panel (or ■ on the remote control) once to pause playback, then you can press ►|| to resume normal playback.
- During playback, press **AS/PS** on the front panel (or ■ on the remote control) twice to stop playback, then you can press ►|| to start playback from the beginning of the first chapter / track.

Select a chapter/track

Press ◀◀/▶▶ during playback to select the previous / next chapter or track for playback.

Note: You can press and hold ◀◀/▶▶ to fast backward / forward within a chapter / track.

Select a chapter / track from the root/PBC menu (if available)

For DVD:

1. Press **PBC/TITLE** on the remote control to display the title list.
2. Press the navigation buttons to select your desired title, and then press **OK** or ►|| to open the root menu of the selected title.
3. Press the navigation buttons to select your desired chapter, then press **OK** or ►|| to play the selected chapter.
- During playback, you can press **PBC/TITLE** to display the root menu of the current title directly, and then perform the same operation to resume normal playback.

For VCD:

1. When PBC is enabled, the disc will play with the PBC menu (if available) displayed on the TV screen.

2. Press the number buttons to select your desired track to play.

For MP3/WMA:

- During playback, the root menu is displayed on the TV screen all the time (**TITLE/PBC** unavailable).
- Press the navigation buttons to select your desired folder, and then press **OK** or ►|| to open the folder.
Press the navigation buttons to select your desired file, and then press **OK** to play the selected file.

For CD:

The **TITLE/PBC** button is disabled.

Terminate playback

1. Press 🔒 to unlock and release the front panel.
2. Press ▲ to eject the disc.
3. Press and hold ⏻ on the front panel (or press ⏻ on the remote control) to turn off the unit.

Advanced Disc / USB Operation

Fast backward / forward

During normal playback, press and hold ◀◀/▶▶ once or more to fast backward or forward at the following speed: x2, x4, x8, x16, x20, or normal.

During fast backward / forward, press ►|| to resume normal playback.

Slow forward

- During playback, press **SLOW** on the remote control to slow forward.
- Press **SLOW** consecutively to decrease the playback speed as follows:
x1/2, x1/3, x1/4, x1/5, x1/6, x1/7, normal.
- During slow forward, press ►|| to resume normal playback.

Note: The function is only available for video playback.

Operation

Play frame by frame

1. During DVD/VCD playback, press **STEP** on the remote control consecutively to play frame by frame forward.
2. Press **▶||** to resume normal playback.

Play repeatedly

Repeat One / All

1. During DVD playback:
Press **RPT** to select **Repeat 1, or Repeat Off**.
2. During VCD (PBC OFF)/CD playback:
Press **RPT** to select **Repeat 1, Repeat All, or Repeat Off**.
The **RPT** button is unavailable when PBC is enabled during VCD playback.
3. During MP3/WMA playback:
Press **RPT** to select **Repeat 1, Repeat Folder, or Repeat Off**.

Repeat A-B

Use this function if you want to repeat a specific segment on a disc that you define:

1. Press **A-B** at a point [A] where you want it to be the start point of the repeat segment.
 2. Press **A-B** again at a point [B] where you want it to be the terminal point of the repeat segment.
Then the segment will be played repeatedly.
 - To cancel **A-B** repeat mode and resume normal playback, press **A-B** for the third time.
- Note:**
During DVD/VCD/MP3/WMA/CD playback, points A and B must be within the same track.

Play from a specified chapter / track or specified time

During DVD playback:

1. Press **GOTO** on the remote control to display a search box, with the title field highlighted.
2. Use the number buttons to input the serial number of a title.

3. Use the navigation buttons to highlight the chapter field, and then use the number buttons to input the serial number of a chapter.
4. Press **OK** or **▶||** to play the selected chapter.

During VCD/MP3/WMA/CD playback:

1. Press **GOT** on the remote control to display a search box, with the track field highlighted.
2. Use the number buttons to input the serial number of a track, and then press **OK** or **▶||** to play the selected track.

Play randomly

During DVD/VCD (PBC OFF)/MP3/WMA/CD playback, press **RDM** once or more to switch between RANDOM ON and RANDOM OFF. In RANDOM ON mode, the chapters / tracks will be played randomly.

Play from different angles

During DVD playback, press **ANGLE** on the remote control once or more to view from different angles.

Note:

- This function is only available for discs recorded with different camera angles.
- The **ANGLE** button is unavailable for VCD/MP3/WMA/CD discs.

Zoom in / out during playback

1. During DVD/VCD playback, press **ZOOM** on the remote control once or more to enlarge / shrink a certain area of the images on the screen with these multiples:
ZOOMx2, ZOOMx3, ZOOMx4, ZOOMx½, ZOOMx⅓, ZOOMx¼, ZOOM OFF.
2. Press one of the navigation buttons to select the area you want to enlarge.

Change the caption language

When playing DVDs, press **SUBT** on the remote control once or more to select the caption language or turn off the caption (if available).

Note: This function is unavailable for VCD/MP3/WMA/CD discs.

Change the audio language

- When playing DVDs, press **AUDIO** on the remote control once or more to select the desired language type (if available).
- When playing VCD discs, press **AUDIO** on the remote control once or more to select MONO L, MONO R, or Stereo (no language function).
- For CD/WMA/MP3, the **AUDIO** button is invalid.

Check the playback status

When playing DVD/VCD/CD discs, press **OSD** on the remote control once or more to turn on or off playback status display.

- For DVD discs, this function allows you to check such information as the current title and chapter numbers, and the elapsed and remaining time of both the current title and chapter etc.
- For VCD/CD discs, this function allows you to check such information as the current track number, and the elapsed and remaining time of both the current track and the whole disc.

Play a JPEG picture CD

In disc mode, the root menu is displayed on the screen with MP3/WMA files being played at the same time. (**TITLE** / **PBC** button unavailable).

In the root menu, the left file sort icon is for MP3/WMA files, the middle one is for video files, and the right one is for JPEG files. If one of these 3 sorts of files does not exist, you cannot move the cursor onto the corresponding file sort icon.

1. Press the navigation buttons to select your desired folder, file or file sort icon from the root menu.
2. Press **OK** or **▶||** to open the selected folder, or play the selected file, or play the selected sort of files only.
 - In the root menu, you can also use the number buttons to select a file for playback.
 - After selecting the JPEG file sort icon and entering the folder, you can use the navigation buttons to select your desired JPEG file, and then press **OK** or **▶||** to start full-screen playback starting from the selected JPEG picture.
 - During JPEG playback, press **■** to stop playback and return to the root menu.
 - During JPEG playback, the following buttons are unavailable: **SLOW**, **SUBT**, **PBC/TITLE**, **ANGLE**, **STEP**, **AUDIO**, **RDM** and **A-B**.
 - In JPEG mode, the other operations are the same as those in MP3/WMA mode.

Play MP4

In disc mode, the root menu is displayed on the screen and the first file will be played automatically.

During playback, you can press **■** to stop playback and return to the root menu.

1. Press the navigation buttons to select your desired folder or file from the root menu.
2. Press **OK** or **▶||** to open the folder, or play the selected file.
 - In the root menu, you can also use the number buttons to select a file for playback.
 - The **ANGLE**, **RDM**, and **PBC/TITLE** buttons are invalid.
 - The other functions are the same as those in DVD operation, while the repeat function is the same as that in MP3/WMA operation.

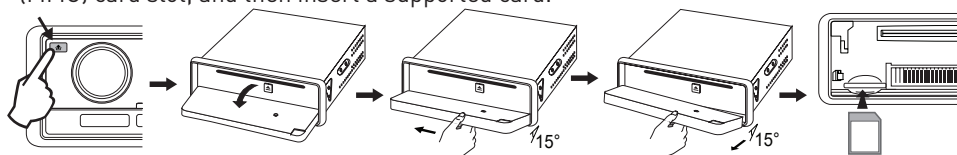
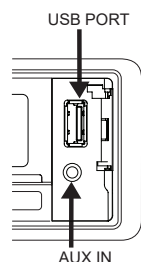
Operation

Show ID3 information

- During MP3/WMA playback, the current file and folder names as well as the ID3 information (if available in V1.0/2.0 format) will scroll on the LCD screen. The ID3 information includes the song title, and the artist and album name.

USB / AUX IN / SD (MMC) card operation

- Power on the unit.
- To connect a **USB storage device or auxiliary device (through a 3.5mm audio cable)**: lift open the cover to expose the USB or AUX IN sockets, and then connect the corresponding device.
 - To insert a **SD (MMC) card**: detach the front panel to expose the SD (MMC) card slot, and then insert a supported card.



- The screen will display the root menu of the USB storage device or SD (MMC) card.
- This unit supports picture (JPEG format), audio (MP3 or WMA format) and video (format) playback. All the operations are the same as those of the corresponding format.

NOTE: Compatibility with all file formats is not guaranteed.

Set up the DVD System Menu

- Press **SETUP** on the remote control to access the DVD System Menu on the TV screen. There are 6 setup pages in total.
- Press ◀▶ to select a desired setup page.
- Press ▲/▼ to select a setup item on the selected setup page.
- Press ▶ to enter the setup item.
- Press ▲/▼ to select an option for the setup item, and then press **OK** to confirm.
 - Press ◀ to return to the upper level.
 - Press **SETUP** on the remote control again or use the navigation buttons to highlight **EXIT SETUP** and then press **OK** to exit the System Menu.

The 6 setup pages of the DVD System Menu are as follows:

System Setup

TV SYSTEM

The unit supports output of various TV systems.

If your TV only supports NTSC or PAL system, the screen will blink and become colorless when the wrong TV system is selected. In this case go to **TV SYSTEM** and select NTSC, PAL or AUTO to match the system of your TV.

Operation

AUTO PLAY

Turn on / off automatic playback.

TV TYPE

Select an option below to match your TV screen size.

4:3 PS: Choose the item when connecting a TV set with 4:3 screen. When playing pictures of 16:9 size, the left and right parts of the video will be cut out, and displayed on full screen.

4:3 LB: Choose the item when connecting a TV set with 4:3 screen. When playing pictures of 16:9 size, the top and bottom parts of the TV screen will be turned into a black square respectively.

16:9: Choose the item when connecting a TV set with 16:9 wide screen.

PASSWORD

Lock or unlock the rating level of Parental Control.

The default state is locked, and the default password is 0000.

You can set a new password that you like: Select **PASSWORD** and then press ► to enter the setup item.

Input the original password 0000, and then press **OK** to unlock it.

Press ► to enter the setup item again, then input a new password that you like and finally press **OK** to confirm.

RATING

Set a new rating level for Parental Control.

- Select **PASSWORD** and then press ► to enter the setup item.
Input the set password, and then press **OK** to unlock the rating level setting for Parental Control.
- Select **RATING** and then press ► to enter the setup item.
Use the navigation buttons to select your desired rating level, and then press **OK** to confirm.
- Select **PASSWORD** again and then press ► to enter the setup item.
Input the password and then press **OK**

to lock the new rating level setting for Parental Control.

DEFAULT

Reset all settings to their original status.

Language Setup

OSD LANGUAGE

Select the language of the system menu and all interfaces displayed during playback.

AUDIO LANGUAGE

Select the audio language.

SUBTITLE LANGUAGE

Select the subtitle language.

MENU LANGUAGE

Select the disc menu language.

MPEG4 LANGUAGE

Select the MPEG4 language.

Video Setup

BRIGHTNESS

Adjust the brightness of video output.

CONTRAST

Adjust the contrast of video output.

HUE

Adjust the hue of video output.

SATURATION

Adjust the saturation of video output.

SHARPNESS

Adjust the sharpness of video output.

About Parental Control

- Q:** After insertion of a DVD into the disc slot, a dialogue box appears, asking for a password of 4 digits. Why?
- A:** This is because the movie you are playing was rated with Parental Control, and the current rating level of the unit is lower than the one of the current disc. You must input the right password and enter it into the Parental Control setup menu and then set an equal or higher rating level than the one of the current disc.

Note:

- If you have not changed the password, the factory preset password for the unit will be empty. You will need to input a desired password and verify it by inputting the password again before entering the Parental Control setup menu.
- For the rating level setup of Parental Control of the unit, please refer to the relative content of the SYSTEM SETUP menu for details.

Accessories: Parental Control

The Parental Control function of a DVD player can be used to control playback of movie scenes on a DVD disc set with a rating level. You can set the DVD player (including the software player on a PC) with a certain rating level via the SETUP MENU on the TV screen. If the rating level set in the disc is higher than the one set in the DVD player, the DVD player cannot play the disc. Sometimes the Parental Control sequences in some discs are different from each other. The rating level setup can be protected with a password. If you select **Unlock**, the Parental Control function will be invalid, and the whole content of the disc can be played.

A DVD disc can be designed with different rating levels of Parental Control so that the DVD player can play different versions of scenes from the same movie based on the set rating levels. Depending on the DVD feature of seamless switching, the scenes unsuitable for children will be cleared or replaced by other suitable scenes automatically.

All rating levels of Parental Control are as follows:

- Unlock
- 1. Kid Safe
- 2. G
- 3. PG
- 4. PG 13
- 5. R
- 6. NC 17
- 7. Adult

Region Code

- Q:** No DVD playback. REGION ERROR is displayed after insertion of a disc into the disc slot. Why?
- A:** Because the DVD player and disc have different region codes. If they do not match, the DVD player cannot play the disc.

Appendix: Region code of DVD

The Motion Picture Association of America (MPAA) divided the world into 6 regions, and allocated every region a code, named the region code. The region codes and the countries or areas represented by the region codes are as follows:

- Region 1: America, Canada, East-Pacific Islands;
- Region 2: Japan, West Europe, North Europe, Egypt, South Africa, Middle East;
- Region 3: South-east Asian countries including Taiwan, Hong Kong, South Korea, Thailand, Indonesia, etc.;
- Region 4: Australia, New Zealand, Central South America, South Pacific Islands;
- Region 5: Russia, Mongolia, Indian Peninsula, Middle Asia, East Europe, North Korea, North Africa, North-west Asia etc.;
- Region 6: China mainland.

Maintenance and Cleaning of Discs

Disc Maintenance

1. To keep the disc clean, handle the disc by its edge, and do not touch the disc surface of the play side.
2. Do not stick paper or tape on the disc. If there is glue on the disc surface, wipe it off before using.
3. Do not expose the disc to direct sunlight, or nearby heat sources such as caliduct, or leave it in a car parked in direct sunlight where there can be a considerable rise in temperature.
4. Put the disc inside a disc case after finishing playback.

Disc Cleaning

1. Before playing, wipe the disc with a clean cloth, and wipe the disc outwards from the disc center.
2. Do not use petrol, thinners, commercially available cleaners or anti-static sprays for plastic LPs to wipe discs.



correct



wrong



correct



wrong

Troubleshooting

Please read the user manual carefully before using the unit. If you have any problems with this product, please refer to the below troubleshooting guide to help you resolve the issue.

TROUBLE/SYMPOM	SOLUTION
No picture, sound and indication	Ensure that the power switch is on.
	Ensure that the wall inlet is OK.
	Ensure that the power cord is not damaged or the fuse is not blown.
	Ensure that the power connection is OK.
No sound but picture OK	Ensure that the audio output of the unit is in good connection with the TV's audio input.
	Check whether the audio connector is damaged.
	Check whether you have turned down the volume.
	Ensure that the AUDIO setup of the unit is correct.
Black and white picture or screen rolling	Ensure that the audio is not muted.
	Ensure that the TV SYSTEM (e.g. PAL, NTSC) setup is correct.
No picture but sound OK	Ensure that the video output of the unit is in good connection with the TV's video input.
	Ensure that you have turned your TV to the AV input channel connecting to the unit.
	Check whether the video connector is damaged.
	Ensure that the VIDEO setup of the unit is correct.
Flaws in picture or sound	Check whether AUDIO setup is correct.
	Check whether the disc is scratched or stained.
	Check whether the AV connector and output terminal are stained.
	Check whether there is condensation inside the lens. If so, leave the unit off for an hour or so, and then try again.
No disc or bad disc	Ensure that you have inserted the disc into the disc slot.
	Check whether the disc has been put in the reverse side.
	Check whether the disc is distorted.
	Check whether the disc is stained or scratched badly.
	Ensure that the disc format is compatible with the unit.
	Ensure that the temperature inside the car is not too high. If so, let the unit cool off until the ambient temperature returns to normal.
	Insert another disc into the disc slot.

Troubleshooting

TROUBLE/SYMPTOM	SOLUTION
Remote control does not work	Check the batteries of remote control and make sure that they are not dead.
	Direct the remote control to the IR sensor of the unit.
	Check whether there are obstacles between the remote control and IR sensor.
Some function buttons do not work	Turn off the power, then turn on again.
	Remove the front panel from the unit, then put it back and turn on again.
The radio does not work	Check whether the antenna cable is connected firmly, or manually tune for a station.

Specifications

English

General Specification

Power supply requirement	12V DC (10.8-15.6V allowable)
Speaker Impedance	4 or 8 ohm
Output Power	45W x 4CH

DVD Player System

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

FM Radio

Frequency Range	87.5-107.9 MHz (USA) 87.5-108 MHz (AUSTRALIA)
Channel Step	200 kHz (USA) 100 kHz (AUSTRALIA)
Sensitivity	2.8 μ V
Stereo Separation	30 dB
Signal to Noise Ratio	50 dB

AM Radio

Frequency Range	530-1710 kHz (USA) 522-1710 kHz (AUSTRALIA)
Channel Step	10 kHz (USA) 9 kHz (AUSTRALIA)
Usable Sensitivity	32 dB

Audio / Video Output

Output	750 mV
Impedance	10k Ohm

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