*RV*Media
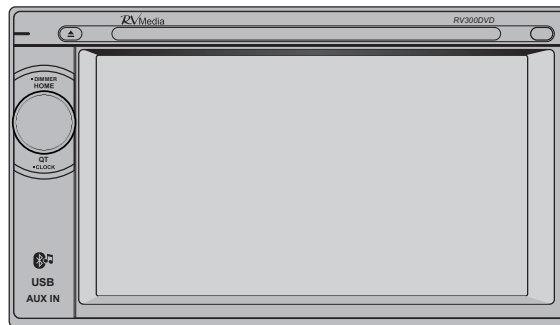
RV300DVD
OWNER'S MANUAL

6.2″ RV DVD MULTI-MEDIA PLAYER & TUNER

4X50W OUTPUT

USB Host

AUX IN

TOUCH SCREEN

Bluetooth®

SD/SDHC

3 Year Warranty

Warnings

► Washing/Cleaning the RV

Do not expose the product to water or excessive moisture. This could cause electrical shorts, fire or other damage.

► Hot Environments

Parking in direct sunlight can produce very high temperatures inside your vehicle. Give the interior a chance to cool down before starting playback.

► Use the Proper Power Supply

This product is designed to operate with a 12 volt DC battery and/or, charging/solar system.

► Protect the Disc Mechanism

Avoid inserting any foreign objects into the slot of this player. Failure to follow this may cause malfunction or permanent damage due to the precise mechanism of this unit.

⚠ CAUTION

THIS MOBILE DVD PLAYER IS A CLASS I LASER PRODUCT. THIS UNIT USES A VISIBLE/INVISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION IF EXPOSED DIRECTLY. BE SURE TO OPERATE THE MOBILE DVD PLAYER CORRECTLY AS INSTRUCTED.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
DO NOT OPEN THIS UNIT OR ATTEMPT REPAIR. FOR SERVICE CONTACT CAMEC ON 1300 654 936 (AUS) OR 09 225 1910 (NZ).
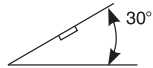
NOTE

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

To reduce the risk of fire or electric shock and annoying interference, use only the recommended accessories.
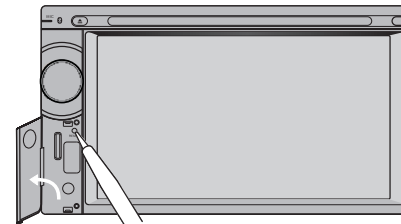
Installation

1. Before finally installing the unit, connect the wiring temporarily and make sure it is all connected up properly and the unit and system work properly.
2. Use only the parts included with the unit to ensure proper installation. The use of un-authorized parts can cause mal functions.
3. Consult with your nearest dealer if install-ation requires the drilling of holes or other modifications of the vehicle.
4. Install the unit where it does not get in the driver's way and cannot injure the passenger if there is a sudden stop, like an emergency stop.
5. If installation angle exceeds 30° from horizontal, the unit may not perform optimumly.

30°

6. Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from heater, or where it would be subject to dust dirt or excessive vibration.

▶ Installation with the mounting cradle.

After inserting the half sleeve into the dashboard, select the appropriate tab according to the thickness of the dashboard material and bend them inwards to secure the holder in place.

Mounting Area

182

111

Half Sleeve

Attach the trim ring

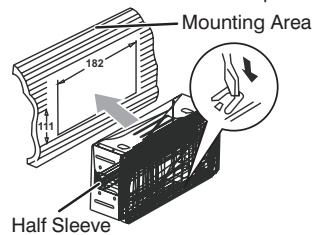Trim ring

▶ Resetting the unit.

To reset the unit, open the front panel and use a pencil or fine non-metallic object to press & hold the reset button for five seconds.
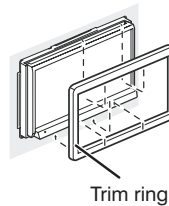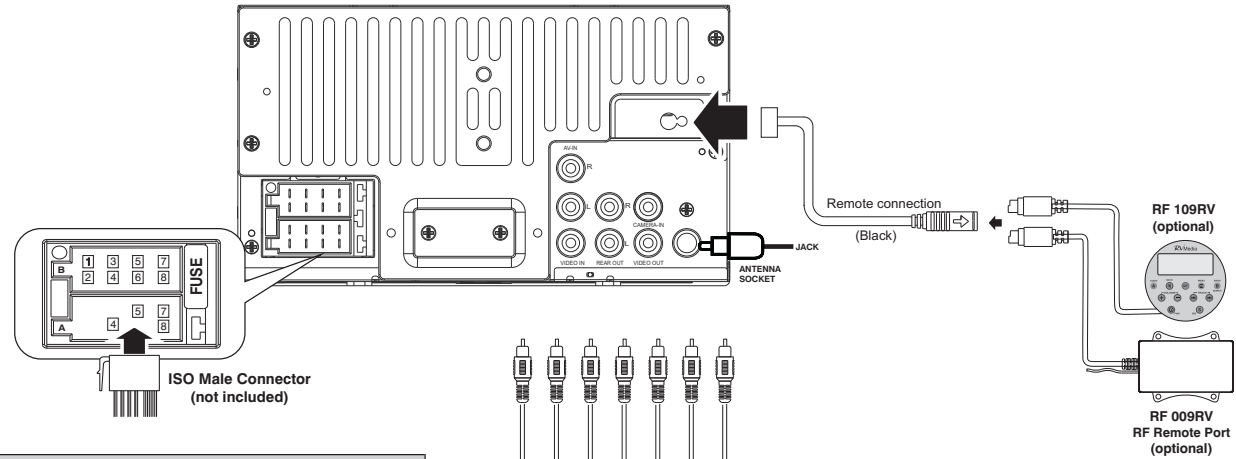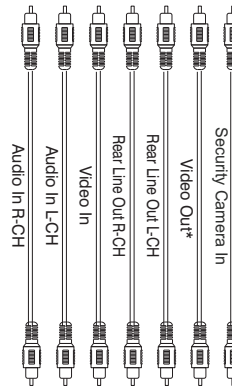
Reset Button

E - 3

Connecting the System

**ISO Male Connector
(not included)**

Remote connection
(Black)

**RF 109RV
(optional)**

**RF 009RV
RF Remote Port
(optional)**

**ANTENNA
SOCKET**

JACK

PIN	WIRE COLOR	FUNCTION/LABEL
A4	YELLOW	BATTERY(+)
A5	BLUE	CONNECT TO SYSTEM CONTROL TERMINAL OF THE POWER AMP OR AUTO ANTENNA RELACONTROL TERMINAL (max 150mA 12VDC)
A7	RED	IGNITION (ACC)
A8	BLACK	GROUND
B1	VIOLET	RIGHT OUTSIDE SPEAKER (+)
B2	VIOLET/BLACK	RIGHT OUTSIDE SPEAKER (-)
B3	GREY	RIGHT INSIDE SPEAKER (+)
B4	GREY/BLACK	RIGHT INSIDE SPEAKER (-)
B5	WHITE	LEFT INSIDE SPEAKER (+)
B6	WHITE/BLACK	LEFT INSIDE SPEAKER (-)
B7	GREEN	LEFT OUTSIDE SPEAKER (+)
B8	GREEN/BLACK	LEFT OUTSIDE SPEAKER (-)

Audio In R-CH
Audio In L-CH
Video In
Rear Line Out R-CH
Rear Line Out L-CH
Video Out*
Security Camera In

* Video out can be connected to the RV's TV using a 75 Ohm RCA Video lead to view Video Playback and Security Camera output through the TV.

E - 4

Main Unit Overview
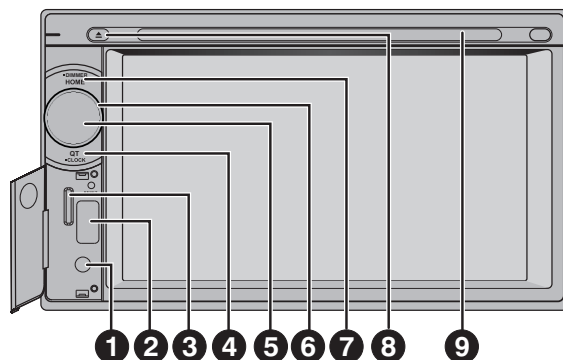
1 AUX IN jack (The AUX in slot behind the front panel.)

- Connect the external signal to AUX in jack behind the front panel, then press Mode button to select Aux mode. Press the Mode Button again to cancel Aux Mode and return to previous mode.

2 USB slot (The USB slot is behind the front panel.)

- This unit can support playback MP3 / WMA / JPEG / MPEG4 / DIVX format which are stored on the USB memory stick.

3 Micro SD card slot (The micro SD card slot is behind the front panel.)

- This unit can support playback MP3 / WMA / JPEG / MPEG4 / DIVX formats which are stored on the Micro SD Card.

4 QT(Quick Tune)/ Clock

- In Tuner mode, press this button to access into the Auto Store function The six strongest stations of the selected band will be saved in preset channels automatically: FM1,FM2,FM3(1-6),AM1,AM2.
- Press and hold this button to view the clock. Press the button again to return to the previous mode.

5 ⏻ / 🔇

- Press this button (volume knob) to mute the audio On / Off.
- Press this button or any other button on the front panel to turn the unit on. Press & hold this button to turn the unit off.

6 Encoder Volume Knob

- Rotate the Encoder Volume Knob to increase / decrease the volume.

7 Home/Dimmer

- Press this button to go to the Home/main menu screen to select the different Playback modes : Tuner/Disc/USB/SD Card/Aux AV/Camera/Bluetooth Audio
- Press & Hold this button to cycle the screen Dimmer (brightness) from: High - Low - Off
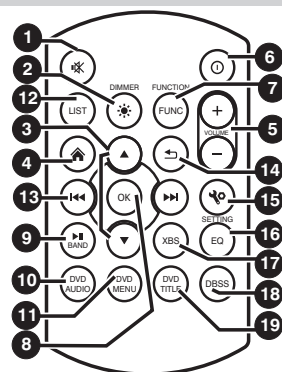
8 ⏏ Eject

- Press this button to eject the disc.

9 Disc Slot

- Insert the disc into the slot. The disc will begin to play automatically.

E - 5

Remote Control Functions

① ◁× MUTE
● Press this button to mute the audio On / Off.

② ☀ DIMMER
● Select screen Dimmer (brightness): High - Low - Off.

③ ▲/▼
● In tuner mode, skip to the previous/next preset station.
● In other modes use these button to move the cursor Up/Down.

④ ⌂ HOME
● Press to cycle through the Source options in the home menu.

⑤ −/+
● Increase/Decrease the volume.

⑥ ⏻/POWER
● Press this button to turn the unit on or off.

⑦ FUNCTION
● Press this button enter function mode.

⑧ OK
● Use this button to confirm the selection.

⑨ ▶‖ / BAND
● In Tuner mode, press this button to change the radio band.
● In DVD/Media playback mode, press to Pause or Resume play.

⑩ DVD AUDIO
● In DVD playback mode, press this button to select the DVD audio language or audio channel.

⑪ DVD MENU
● In DVD mode, press this button access the DVD main menu.

⑫ LIST
● In media playback mode, press this button to list the available tracks or files that are available for playback.
● In DVD/MP4 mode, press this button to access the DVD root menu or available files in playback mode.

⑬ ◄◄ / ►►I
● In Tuner mode, press these buttons to search up/down for a radio station.
● In DVD/Media playback mode, press these buttons to skip to previous / next track / chapter. Press & hold these buttons to scan fast forward / backward.

⑭ ↰
● Press this button to return to previous menu or exit.

⑮ ⚙ SETTING
● Press this button access the Settings.

⑯ EQ
● Press this button access equaliser menu.

⑰ XBS
● Press this button to turn the iX-BASS booster function on or off.

⑱ DBSS
● Press this button to turn dynamic bass boost on or off.

⑲ DVD TITLE
● In DVD mode, press this button to select the DVD subtitle language.

Settings Adjustment

NOTE: For all adjustments on this this head unit, you can either touch the screen to make a selection or rotate the Volume knob to highlight the icon and then press to select.

Select the [icon] icon on the TFT screen to enter the System (Setup) menu.

Adjust Audio Settings

Select the [icon] icon to access the Audio Menu.

● **[Speaker]:** Touch the [icon] icon in the Audio menu access the Speaker balance mode to adjust the audio balance settings.
Touch **[Inside]/[Outside] or [<]/[>]** icons to adjust the fader and speaker balance settings for values between -12 to +12.

● **[XBASS]**: Touch to turn the . XBASS boost either On or Off.

● **[DBSS]:** Touch to turn the DBSS boost either On or Off.
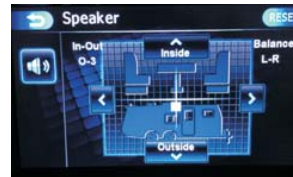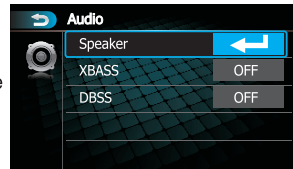
Adjust EQ Settings

Touch the [icon] icon to access the EQ Menu. Touch to select the Preset Equalizer: User / Pop / Rock / Classic / Jazz / Vocal.

1. Touch ➕/➖ buttons to adjust the settings below:
● **[BASS]**: Bass level range -15dB to +15dB.

● **[MIDDLE]**: Mid Range level range -15dB to +15dB.

● **[TREBLE]**: Treble level range -15dB to +15dB.

2. Select the [RESET] button to restore the default settings.

Adjust System Settings

Touch the [icon] icon to enter the System Menu.

● **[General]**: Touch the [icon] button to select the General mode to adjust the following options:

Beep: Touch to turn button beep confirmation On or Off.

Clock Mode: Select the clock format - 12H or 24H

Date/Time: To adjust the date and time setting.
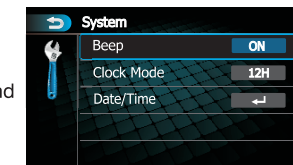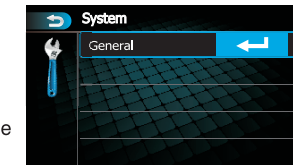
System Setup

View information

Touch the 🛈 icon to view the system version information.

Adjust Bluetooth Settings

Touch the ᯤ icon to select the the Bluetooth menu.

**Pin Code:** Displays the PIN code required to connect to the unit.
Device Name: Displays the Bluetooth name for this RV unit.
Phone Name: Displays the name of. the phone connected to the unit.

Adjust Screen Setting

Touch the icon to access the Screen menu. User can rotate the Encoder Volume Knob to select the

- **[Dimmer]**: Touch on to adjust the TFT backlight level between High, Low or Off.
- **[Calibration]**: Touch the icon on the Screen Settings menu to start the Calibration setting. Follow the instructions on screen to calibrate the touch-screen function.
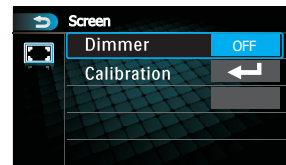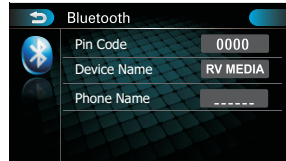
Tuner Operation

Adjust Tuner Settings

Touch the icon on the TFT display in Tuner mode to enter the Tuner Settings menu.
- **[Area]:** Selects the area of operation for the Tuner. The default setting is Australia.
- **[Local]**: You can select whether you wish to receive only strong radio stations when searching for stations or all receivable stations.
  Local On: Only stations with strong signal can be received.
  Local Off: The Tuner will attempt to tune in to all stations in range.

Tuning in To Radio Stations

Touch the FM1 (band) icon on the TFT display in Tuner mode to change between FM bands and AM(MW).

Quick Tune. Automatically tune to the 6 strongest stations in the selected Band by pressing the QT button above the Volume cotrol.

Manual Seek. Touch and hold the ⏮ or ⏭ icons on the TFT screen in Tuner Mode to enter manual station search mode.

Auto Seek. Touch the ⏮ or ⏭ icons on the TFT screen in Tuner Mode mode to Auto Search to the next station.

Media Player Operations (Disc/USB/Micro SD Card)

Disc Playback

This RV Media unit can play various audio/video files stored on Disc/USB or Micro SD Card using the Media Player.

You can play commercially available audio CDs and these Discs:

- Digital Versatile Discs (DVDs)
- Video Cds (VCDs)
- Digital Versatile Discs Recordable (DVD+/-R)
- Digital Versatile Discs Rewritable (DVD+/-RW)
- Compact Discs (CDs)
- CD Recordable (CD-R)
- CD Rewritable (CD-RW)

NOTE

Please ensure that the disc contains playable content.

1. Insert the disc into the Disc Slot with the label side facing up. The unit will start playback automatically.

2. Press the ⏏ button on front panel to eject the disc. When the disc is ejected, the unit switches to the previous source, if available. Otherwise the unit will switch to radio mode automatically.

   - Touch the ▐▐ button on TFT display to pause the playback. Touch this button again to resume playback.

   - Hold ◄◄ or ►►◄ to fast forward / rewind the disc/song; touch ► to resume normal playback.
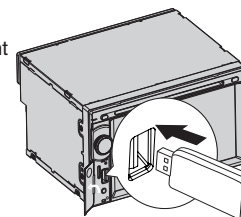
USB Device Operation

▶ **Insert the USB Device**

Open the cover marked **USB** on the front panel, insert the USB device into the USB socket. The unit starts playing from the USB device automatically.

NOTE

Ensure that the USB device contains playable Mp3 or WMA music files.

Memory Card Operation

▶ **Insert the Memory Card**

Open the cover below volume knob. Insert the Micro SD card with music content into the card slot in the correct direction until a "CLICK" sound is heard, then the unit will start playing from the card automatically.

NOTE

Ensure that the memory card contains playable Mp3 or WMA music files.
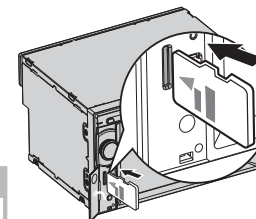
▶ **Remove the Memory Card**

Open the cover marked **SD** on the front panel, press the card until you hear a click sound, the card is now disengaged. Then remove the card.

Media Player Operations (Disc/USB/Micro SD Card)

Media Playback

► Repeat

During media playback, touch the [icon] button on the TFT display access the Media Function menu to adjust the different Repeat modes.

For MP3/WMA/CD mode

● **[Repeat All]:** plays all tracks repeatedly

● **[Repeat One]:** plays the current track repeatedly

● **[Repeat Folder]:** plays all tracks in the current folder repeatedly

► Random

By selecting Random, you can play audio tracks/files in random order. During media playback, touch the [icon] icon on TFT display to the Random function on or off.

► Skip/Search

1. During media playback, touch the [icon] icon to access the playlist menu and touch the icons below to select folder / file:

   ● [icon] : to display all available audio folders / tracks.

   ● [icon] : to display all available pictures folders / files

   ● [icon] : to display all available video folders / files.
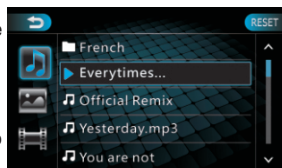
2. Touch the [icon] or [icon] icons to select a folder / track, then press [icon] to start playback.

DVD Playback

► DVD Menu List

During DVD playback, touch anywhere on the screen to bring up the DVD playback menu and a number of icons will be displayed.

[◄1/3►] :Touch this icon to cycle through all of the available functions (rows 1/3, 2/3, 3/3)

[◄◄/►►] :During playback, touch these icons to skip to the previous/ next chapter/track.

[≡] :Touch to enter the DVD control list menu.

[icon] :Touch to change the audio language.

[icon] :Touch to change the subtitle language.

[icon] :Touch to display the Title Menu.

[icon] :Touch to select the aspect ratio of the screen (DVD and VCD only). The following options are available:
4:3=Set the aspect ratio to 4:3 - for full display of older content.
16:9=To set the aspect ratio of the screen to 16:9. Both wide screen and 4:3 content will fill the entire screen.

[GOTO] : Touch to access into the search mode (DVD only).

   ● Touch [◄--/--] repeatedly to choose search by chapter, title or time. The search options available depends on the media.

   ● Touch the numbers to enter chapter / title / time number, touch [C] / [X] to clear the previous input.

   ● Touch [✓] when you are finished entering the desired section and playback will start from there.

[icon] :Touch to zoom in to a picture.

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Media Player Operations cont'd

▶ DVD Functions

During DVD playback, touch the [icon] icon to access the DVD Function menu to adjust the options below:

Repeat

[Repeat Chapter]: repeat playback of the current chapter.
[Repeat Title]: repeat playback the current title.
[Repeat All]: repeat playback of the entire disc.
[Repeat Off]: cancel all of the repeat functions.

Angle

Touch Angle while playing a scene recorded with multiple angles to change the playback angle (DVD only & only if supported by the disc).

Video Setting

During DVD/VCD playback, touch on the Video Setting mode access the Setup menu below to adjust the following settings:

● **[Brightness]**: change the Brightness level between 0 and 8.
● **[Contrast]**: change the Contrast level between 0 and 8.
● **[Color]**: change the Color level level between 0 and 8.
● **[Reset]**: reset to default settings.

AUX-IN/AV-IN/Camera Modes

Select the Aux Mode

You can connect up to 2 optional devices. Touch the [icon] icon on the TFT screen to select the Source menu to select the AUX-IN mode.
AUX-IN = Front panel 3.5mm audio AUX-IN - eg iPod etc
AV-IN = Rear AV-IN for video cameras etc

Connecting Front AUX-IN

Connect the external signal to AUX in jack located behind the front of the panel door then press the Mode button to select the AUX-IN mode. Press the Mode Button again to cancel Aux Mode and return to the previous mode.

Left Track
Right Track
Ground
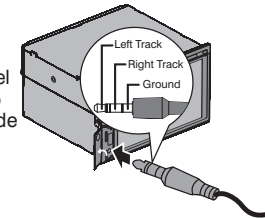
AV-IN

Connect the external signal to the RCA line in jack located at the rear of the unit, then touch the [icon] icon to select AV In.

CAMERA

(Security Camera). The RV Media Double Din DVD head unit features an optional Security Camera input function. Touch the camera icon [icon] on the source menu to select the camera input. The camera can be viewed on the unit's TFT screen plus the camera output can be viewed on the RV's TV.

Bluetooth Audio Operation

Pairing

▶ Bluetooth Pairing Between Mobile Phones/Tablets and The Head Unit

- Open your device and switch Bluetooth on and search for Bluetooth devices.

- **"RV MEDIA"** should appear in the pairing list on the device. Select **"RV MEDIA"** and then enter the password **"0000".**

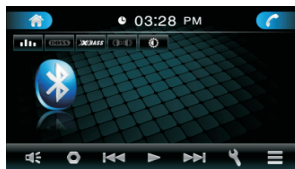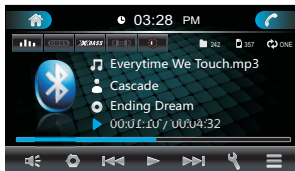If pairing is successful, the TFT screen will display the image pictured to the right then the unit will switch back to the previous source automatically.

▶ Disconnecting Bluetooth

Open your device and disconnect the Bluetooth connection with the unit.

- If the Disconnection is successful, the unit will switch back to the previous mode.

Bluetooth A2DP Audio Streaming

If the connected Bluetooth device supports Advanced Audio Distribution Profile (A2DP), you can listen to the music stored on the device through the unit. If the device also supports Audio Video Remote Control Profile (AVRCP) profile, you can use the RV Media head unit or its remote control to play music stored on the device.

1. Pair the device with the unit as per the previous page.

2. Touch the ![icon] icon on the TFT screen to return to SOURCE menu.

3. Touch the ![icon] icon to select the A2DP Bluetooth audio playback mode to start audio playback.

4. If the device supports Audio Video Remote Control Profile (AVRCP), touch the ![icon] icon and then touch ![icon] to start playback.

Product Specifications

▶ General

Power Supply	12 V DC (11-14 V), Negative Ground
Fuse	15A
Suitable Speaker Impedance	4 - 8 Ω
Power output	50W x 4 channels
Pre-AMP output voltage	2.0 V(USB play mode; 1KHZ, 0dB, 10kΩ load)
Aux-In level	≥300mV

▶ TFT Touch Screen

Screen Size	6.2 inches
Display Resolution	800 x 480 pixels
Screen Type	TFT Liquid Crystal Display active matrix

▶ Disc Player

System	DVD/CD audio/MP3
Frequency Response	20Hz to 20KHz +/-3dB
Signal to Nosie Ratio	≥75dB
Channel Separation	2 Channel(Stereo)>60dB@1KHz
Video signal format	NTSC / PAL / SECAM
Video Output	1Vp-p +/- 0.2Vp-p

▶ Radio

-FM

Frequency Range	87.5 - 108MHz (100KHz step in auto search & 50KHz per step manual search)
Usable Sensitivity	Better than 15dB at S/N 30dB

-AM

Frequency Range	522 -1620KHz
Usable Sensitivity	Better than 45dB

▶ USB devices

USB flash memory	USB 1.1, & 2.0 compatible

▶ Bluetooth

Output power	Class II
Frequency band	2.4000GHz-2.4835GHz ISM Band
Range	3 meters (free space)
Standard	Bluetooth 2.1 specification

File Playback Information

► Supported Formats

- MP3/WMA bit rate (data rate): 32-320 Kbps & VBR
- WMA Version V9 or earlier
- Directory nesting up to a maximum of 8 levels
- Number of albums/ folders: maximum 99
- Number of tracks/titles: maximum 999
- ID3 tag V1.0/1.1/2.0/2.3 (Max 32 Byte)
- File name in Unicode UTF8 (maximum length: 128 bytes)

► Unsupported formats

- Empty albums: an empty album is an album that does not contain MP3/WMA files, and is not be shown in the display.
- Unsupported fle formats are skipped. For example, Word, documents (.doc) or MP3 fles with extension.dlf are ignored and not played.
- AAC, WAV, PCM audio fles
- DRM protected WMA fles (.wav,.m4a, .m4p, .mp4, .aac)
- WMA fles in Lossless format

► Supported MP3 disc format

- ISO9660, Joliet
- Maximum title number: 512 (depending on fle name length)
- Maximum album number: 255
- Supported sampling frequencies: 32 kHz, 44.1kHz, 48 kHz
- Supported Bit-rates: 32-320 Kbps and variable bit rate

► Supported video formats

- DVD
- Xvid

RV MEDIA NOTE
Product information is subject to change without prior notice.

Troubleshooting

Before going through the check list, check the unit's wiring. If any problems persist after reviewing the check list, please consult your nearest Camec dealer.

No power or no sound
- 12V system power not turned on.
- 12V power not properly connected. Check wiring.
- Fuse is blown. Check wiring then replace the fuse.
- Volume is in minimum. Adjust volume to a desired level.
- If the above solutions do not help, press the RESET button (see E-3).
- Ensure that the file selected is a compatible format.

Noise in radio broadcasts
- Signal is too weak. Select other stations with stronger signals.
- Check the connection of the RV antenna.
- Change the (FM) broadcast from Stereo to mono.

Cannot play disc
- Disc may be upside down. Ensure the printed side is facing up.
- Disc is dirty. Clean the disc with a clean, soft, lint-free cloth. Wipe the disc outwards from the center.
- Disc is defective. Try another disc.
- Incompatible disc is used. Try another disc.
- Disc rating exceeds the restriction setting. Change the parental rating.
- Disc region code is not compatible with the unit. Use a disc with proper region code (Aus/NZ region code is 4).

The CD Skips tracks
- Ensure that the CD is not damaged or dirty.
- Ensure that random mode is deactivated.

Disc cannot be ejected.
- Press and hold the ⏏ button.

Preset stations lost
- Battery or power supply has been disconnected from the unit. Press the **QT** button to store the 6 strongest stations.

Display shows ERR-1
- The disc, USB or SD device cannot be read in two minutes.

Display shows ERR-3
- USB/SD data error.
- Disc is upside down. Ensure the printed side is facing up.

Display shows ERR-5
- Communication error or a component is faulty. Please return to your dealer for service.