Installation
& Operation
Instructions

Hasda
AVH3001
Multi CD/DVD/MP3/SD Player

INSTALLATION NOTES

This unit is designed for 12volt NEGATIVE ground systems only.

It is strongly recommended that a trained technician install the unit. Refer to warranty requirements for installation of a new unit.
If care is taken and secure connections are made, no problems should occur.

PRIOR TO INSTALLATION remove the two gold coloured screws in the top of the unit, either side of the speaker wiring diagram.

When the unit is first installed, or if it is removed from the power and re-installed, the **RESET** button must be pressed before any other SETUP is performed, (see separate SETUP FUNCTIONS).
The **RESET** button is behind the faceplate and can be depressed with a blunt small object such as a biro etc

To remove the faceplate completely, first press the **POWER** button to turn the unit off, then press **OPEN**
Looking at the unit from the front, slide the faceplate to the left then gently remove at the right hand side.

DO NOT connect any Speaker Leads to a metal chassis.
DO NOT connect any speaker leads to other speaker leads. Each lead must only be connected to it's respective speaker. Negative speaker leads should not be all connected together.

Connect all other leads before connecting the power leads.

If the YELLOW power wire cannot be connected to a permanent 12v source, connect it to the RED switched power lead. However when power is removed, any memory storage, eg preset radio stations, clock setting, will be lost, and will need to be re-programmed (if required) each time the unit is turned on.

AUDIO IN (not fitted to some Models) can be used to input another audio source, such as an MP3 player.
Audio In (if fitted) is available through the Red and White flying leads. An adaptor lead set is supplied to convert the RCA sockets to a 3.5mm plug, suitable for most MP3 players.

AUDIO OUT is at line level, and can be fed to another amplifier or sub woofer.
Audio Out is available through the Red and White RCA sockets on the rear of the unit.

Connect your Composite Monitor or TV via a quality video cable to the YELLOW socket on the rear.

SETUP FUNCTIONS

Read the installation instructions and complete all necessary steps first.

To perform initial setup either insert a disc in the drive or press the **MODE** button to select DISC MODE. If a disc is not in the drive the screen display may be in black and white. This is of no concern at this point.

Press **SETUP**. The SETUP screen will be displayed, and the first ICON (picture) along the top will be preselected.
Using the **FOUR ARROW** keys on the remote, scroll down to the heading required, eg **TV system**, which will then be highlighted.
Use the Right and Down arrow keys to select the correct entry. Press **ENTER**. Scroll down to the next line and repeat the above.
When all entries in the selection are completed, scroll down <u>PAST</u> the **Exit Setup** selection. Now the first ICON along the top of the screen is selected again. Use the **RIGHT ARROW** key to move to the second ICON. All options under this ICON are now available for selection, changing if necessary in the same manner as the first.
Repeat these procedures for all ICONS along the top of the screen.
When finished, place the cursor on **Exit Setup** and press **ENTER**.

<u>NOTE</u>: 1/ The RF mod functions are not operable on this model.
2/ Normal (older) screens are 4:3. Wide screen is 16:9. If selecting 4:3 format for a CRT or LCD TV, set to 4:3PS. The 4:3LB mode is for large screens, such as home theatre.
3/ For NZ TV system set to PAL.
4/ AUDIO OUT can be set to NONE, S-PDIF RAW or S-PDIF PCM. Set to NONE.
S-PDIF RAW and S-PDIF PCM not fitted to this unit.

ST/PROG

When pressed, the screen will display 4 columns and 4 rows of programmable spaces. Each column is headed **T** (title), and each row is headed **C** (chapter).

If the DVD being played contains more than one TITLE (episode) put the title number you require in the first **T** column, in the first row (if the DVD contains only 1 title, only the digit 1 will be accepted). In any case, an entry must be made.
Now press the **RIGHT ARROW** key, and move the **cursor** (highlighted box) to the first **C** column, Row 1.
Enter the Chapter number you wish to play. If the disc is a music CD, a track number could be entered here. Enter any other Titles or Chapters you require in a similar manner, using the various **ARROW KEYS** to move the **cursor**.
When all the required entries have been made, move the **cursor** down to the **Play** selection, and press the **ENTER** key.
Prg Play will appear on-screen and after a short delay your selection will begin.

Programmed Play can be cleared, and have the player revert to **menu** play, by pressing **PBC**.
If the **ST/PROG** key has been pressed, but no information entered, the programming screen can be cleared by moving the cursor down to **play**, then press **ENTER**. Or, by pressing any other **BLACK KEY** on the remote, the programming screen will be cleared.

FRONT PANEL CONTROL FUNCTIONS

To eject a disc press the oblong button behind the Faceplate.

POWER
Turn the unit ON or OFF

SEL
Selects which function is controlled by the **VOLUME** knob
Volume - Bass -Treble - Balance - Fader

BND
Tuner selects the radio frequency bands
FM1 – FM2 – FM3 – AM1 – AM2

Disc Allow the output to the TV system being used to be
selected. NTSC - PAL – AUTO. Set to PAL (see SETUP).

MOD
Selects TUNER – DISC – USB (AUX IN) – CARD – Play

AMS
Press for < 1 second, the tuner will automatically scan
either the 3 FM bands, or the 2 AM bands
(whichever is currently selected) and store stations in the
presets in order of signal strength received.
FM stations - the strongest stations are stored first
AM stations – the strongest stations are stored last

If pressed for >2 seconds the tuner will automatically
store either the FM or AM station as above, but in order
of the first stations in the band received.

I>I>I (seek)
Tuner Press for <1 second, the tuner will increment up
9KHZ steps per press for the AM bands, and 50KHZ per
press for the FM bands.

Disc
Press for <1 second, the DVD will step to the next scene,
A CD will step to the next track. A CARD will step to the next photo.

4

Press for >1 second the DVD will go to Fast Forward Mode at x2. Further presses will step through x4 x8 x20 then back to normal speed.

I<I<I

As Forward Seek, but Reverse Scene Selection or Fast Reverse

🕐

Press for <1 second, the time will be displayed for 5 seconds.
Press for >1 second, the clock will be placed in Setting Mode.

The hours figure will flash, and to alter the displayed hour,
rotate the **VOLUME** knob clockwise or anticlockwise.

Press for <1 second again and the minutes figure will flash
Use the **VOLUME** knob to alter the displayed minutes.
To exit Clock Setting, press once more.
NOTE: The clock is displayed at reduced brightness and at all times when the power is turned off (battery power must still be connected of course)

EQ
Short Press Selects Rock – Pop – Classic – Flat Equaliser settings
Long Press Selects Loudness setting.

OPEN
Opens the Face Panel for insertion of a Disc/DVD or to
eject a disc.

MUT
Mutes all sound

Buttons 1-6
Tuner   Select preset stations. To store stations manually,
             use the I>I>I or I<< buttons to select the desired frequency,
             then push and hold the required number button for >1 sec.

Disc   Button 1 – Commence disc play. Pressing whilst playing will Pause
             play, pressing again will resume Play from paused position.

             Buttons 2,3,4,5 - Moves the cursor on the monitor display in the
             same manner as the arrow keys on the remote. Used during SETUP
             or PROGRAMMING MODE as an alternative to the remote keys.

             Button 6 – Enters the selection made with the cursor

SD / MMC CARD OPERATION
Open the front face and insert the SD card in the slot situated on the top above the volume control. The card can only be inserted one way. Select CARD on the MOD button, and select music tracks using the various controls as for a CD. Photos will be viewed as thumbnails on the screen. Select the desired photo using the ARROW keys, and press ENTER to enlarge the display. The ARROW keys can now rotate or reverse the photos. See the ZOOM and SEEK key instructions for further operation.
Remove the card by gently pulling upwards.

USB
For direct connection of a USB device, eg MP3 Player for music playback.
A conventional Memory Stick can have MP3 or WMA format music recorded on it

REMOTE CONTROL FUNCTIONS

MODE
Selects Tuner – Disc – USB (Aux.in) – CARD play

I>II
Pauses the playing of a DVD or CD. Pressing again resumes play from the same point.

Mutes all sound

BND/SYS
Tuner - Selects the radio frequency bands

Disc - Pressing whilst playing a DVD will step the TV system in use through NTSC – Pal – Auto. Set to AUTO or PAL for NZ, NTSC for USA.

TITLE
Stops DVD Play and returns Disc to the Title section.

SUB-T
Display Sub-titles on screen, if the disc supports sub-titles.

SETUP
To perform initial set-up of Display Language, TV type, Sound type etc. See the Setup Functions section for a full description.

☐ ⤵
Press once whilst a DVD is playing and the player will go to Pre-Stop mode. The Pioneer screen will be displayed.To resume Play from the stopped point Press

I>II
By pressing ☐/⤵ again the play is completely stopped. To resume from the start of the disc, press **I>II**

ANGLE

Used on some DVD discs, where a scene has been filmed from different angles.

SLOW

Steps through slow forward play of ½ 1/3 ¼ 1/5 1/6 1/7 normal speeds.

AMS/RPT

Tuner - For station scanning. See the instructions for the AMS Function key
in the Front Panel Control Functions section.

Disc - Steps through repeat of current chapter or track, repeat of full disc or
no repeat.

ST/PROG

Tuner - Changes FM reception from stereo to mono or vice versa. In areas of
poor reception, changing to mono can improve sound quality.

Disc - **See separate programming section for full details**

ZOOM

Zoom in or out in steps of x2, x3, x4, ½,1/3, ¼ or no zoom.

LOC/RDM

Tuner - Reduces for tuner sensitivity to local stations only, to reduce possible
interference from a distant station on the same frequency

Disc - Scenes or tracks (CD) will be selected and played in a random order
from the discs.

SEEK - or +

See Page 1 of the Front Panel Control Functions instructions.

SEL

Selects which function is controlled by the **VOLUME** rotary knob
Volume – Bass – Treble – Balance – Fader

PBC

Returns the player from the Programmed Mode to Menu mode

OSD

Displays disc information such as time played, chapter number, track number on
the screen

AUDIO

Digital Audio not included in this model.

NUMBER BUTTONS

For direct selection of various functions; station, track, programming use etc

REMOTE BATTERY

Type CR2035, available at DSE, Jaycar, electrical shops.

FM TUNER SECTION

Tuning Range	87.5 to 108 MHz
IF Frequency	10.7 MHz
Useable Sensitivity	15dB
Signal to Noise Ratio	50dB
Stereo Separation	30dB @ 1 KHz
Frequency Response	30Hz to 15KHz

AM TUNER SECTION

Frequency Range	522KHz to 1620 KHz
IF Frequency	450KHz
Useable Sensitivity(-20dB)	25dB

AUDIO SECTION

Maximum Line Output Level	2Vrms(+ -3dB)
Frequency Response	20Hz to 20KHz
Signal to Noise Ratio	60dB
Stereo Separation	50dB

VIDEO SECTION

Video System	4:3 and 16:9 formats
Video Output Level	1.0V p-p 75 0hms
Horizontal Resolution	500 Lines

DVD DECK SYSTEM

Disc Played	DVD, VCD, MP3, MP4, WMA, CD, SD,MMC
Video System	NTSC, PAL, AUTO
Mounting Angle	0 to + - 30 Degrees

GENERAL

Power Requirements	10 to 15 VDC Neg.Ground
Maximum Power Output	50W x 4
Tone Controls	+ - 8dB (Bass 100Hz, Treble 10KHz)
Speaker Impedance	4 Ohms
	Weight 1.75Kg

WARRANTY

Provided that this unit is installed by a Certified Installer, a warranty of 12 months from date of purchase shall apply.

Cruising Electronics will either
(at it's sole discretion)
Repair, Replace or Refund should any defect arise resulting from faulty manufacture.

The Warranty does not cover failure or damage caused by faulty installation, misuse, exposure to liquids or other harmful substances.

Proof of purchase will be required.

---

www.cruisingelectronics.com
don@cruisingelectronics.com
+64 27 255 2852
027 255 2852