

Australian High Definition Digital TV Receiver



16:9 & 4:3
Capable

Low Power
Usage

HDMI

Dolby Digital™
Audio

Simultaneous
Video Outputs

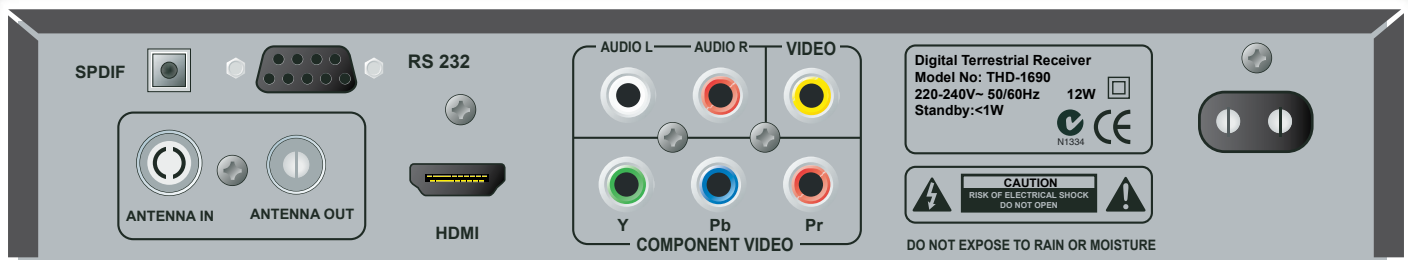
THD1690

The THD-1690 is a High Definition digital set top box set up ready for use with 4:3 televisions. It features simultaneous outputs: HDMI, Component Video, CVBS which can be used with 16:9 HD ready televisions.

It is designed with a low wattage power supply to meet the new minimum energy performance standards (MEPS). In standby utilises less than 1W.

- HDMI
- Component Video
- Composite Video
- Closed Captions
- Teletext
- 7-day EPG
- Optical Digital Audio Output
- Dolby Digital Audio
- 2x Audio L+R

Specifications



Tuner & Demodulation

Receiving frequency	170MHz to 862MHz
Transmission System	DVB-T/OFDM
Channel Bandwidth	7MHz
Antenna Impedance	75 Ohms
Signal Level	-85dBm to -20dBm
RF Connector	IEC connector Female (PAL type)
OFDM Spectrum	2k and 8k-carrier non-hierarchical and hierarchical

Video Decoder

Algorithm	MPEG-2 MP@HL(HDTV), MPEG-2 MP@ML(SDTV)
Decoding Format	All Australian Digital TV Standard Formats
Display Aspect Ratio	16:9 and 4:3
Display Frame Rate	50 Fields/sec
HD Video Output Format	YPbPr (RCA), HDMI (HDCP compliant) 1920x1080i, 1280x720p, 720x576p
SD Video Output Format	CVBS, YPbPr [720x576i]

Audio

Algorithm	MPEG-1 Layer I&II MPEG-2 Layer II, Dolby Digital AC-3
Frequency Response	20Hz to 20kHz
Sampling Rate	32KHz, 44.1KHz, 48KHz
Fixed Audio Output	Stereo (RCA connector)
Digital Audio Output	SPDIF optical output

CPU & Memory

Main Chipset	ST Microelectronics
Serial Flash Memory	1MBit
Nand Flash Memory	128MBit
DDR SDRAM	64MByte
S/W Upgrade	RS-232C Serial Port

Connectors

Audio output	2 X RCA (Dual-channel); SPDIF(DOLBY 5.1)
Video output	1 X RCA (CVBS); 3 X RCA (YpbPr); HDMI;

Power

AC Input	220 ~ 240V
Operating Frequency	50Hz
Standby Power	< 1 Watt

