



## Key Features:

- Brilliant On-Screen Graphic
- MPEG-2 & Fully DVB Compliant
- MPEG-2 Video (MP@ML), MPEG-1 Audio Layer1, Layer2
- PLL RF-Modulator UHF 21~69 with Pal I/G/B/D/K
- LNB Controlling Logic (0/22KHz Tone, 13/18V 14/19V)
- SCPS/MCPC Receivable from C/K-Band Satellites
- Digital Tuner with Loop-through
- Wide Symbol Rate 1~45Mbps & Frequency Input 950~2150 MHz
- DiSEqC 1.2 Supported
- 2 SCART for TV/VCR
- User friendly OSD Menu
- 256 Colors Graphic User Interface
- Multi-language Menu
- 4-digit 7-segment LED Display
- Variable Aspect Ratio (4:3, 16:9) with Letter Box
- EPG (Electronic Program Guide) for On-screen Channel Information
- Small Screen Picture on EPG
- Teletext and Subtitle Supported (VBI & OSD)
- Installation by Easy Setup Guide
- Capacity for Storing Multi Channels: FTA - 2000 Channels, 500 Transponders
- Favourite Channel and Parental Lock Function
- RS232C Port for Additional Information Service and Upgrading System Software



### Tuner & Demodulator

Input Frequency Range	950MHz to 2150MHz
RF Input Signal Level	-25 to -65dBm
RF Impedance	75Ω
IF Bandwidth	55MHz/8MHz(under 5Msps)
LNB Power	13/18DC, 14/19V +/-5%, 0.5A max, 0.8A peak overload protected
LNB Tone Switch	22kHz +/-2kHz, 0.6Vpp +/-0.2V
DiSeqC Control	Version 1.2, Tone burst A/B/C/D
Demodulation	QPSK
Symbol Rate	1~45Msps/SCPC, MCPC

### MPEG

Transport Stream	MPEG-2 ISO/IEC 13818 Transport Stream Specification
Input Rate	Max 15Mbit/s
Video	MPEG-2 MP@ML
Audio	MPEG-1/2 Audio Layer 1,2
Aspect Ratio	4:3, 16:9
Video Resolution	720x576(PAL), 720x480(NTSC)
Audio Mode	Stereo, Dual Channel, Joint Stereo, Mono
Audio Sampling Frequency	32/44.1/48kHz

### Connector

LNB IF Input	F type, IEC 169-24 Female
LNB IF Loop-Through Output	F type, IEC 169-24 Female
TV Scart	RGB, CVBS, L, R OUT
VCR Scart	CVBS; L, R OUT, Audio L,R
Serial Port	RS232C D-sub male type
S/PDIF	Fibre-Optic connection (Digital Audio Output)

### RF Modulator

RF-Connector	75Ω IEC 169-2, Male/Female
Frequency	470MHz to 860MHz
Output Channel	CH 21-69 for the Demodulator
TV Standard	PAL B/G/I/D/K Selectable by Menu Setting

### Power Supply

Input Voltage	90~240VAC(SMPS)
Power Consumption	Max 30W
Weight	Approx 1.5KG
Operating Temperature	0°C~40°C
Storage Temperature	-40°C~65°C

### SCART Socket

Pin No	TV	AUX
1	Audio Out Right	Audio Out Right
2	-	Audio In Right
3	Audio Out Right	Audio Out Left
4	Audio Ground	Audio Ground
5	Blue Ground	Blue Ground
6	-	Audio In Left
7	Blue Out	Blue In
8	Function Control Out	Function Control In
9	Green Ground	Green Ground
10	-	-
11	Green Out	Green In
12	-	-
13	Red Ground	Red Ground
14	Fast Blanking Ground	Fast Blanking Ground
15	Red Out	Red In
16	Fast Blanking Out	Fast blanking In
17	CVBS Ground	CVBS Ground
18	CVBS Ground	CVBS Ground
19	CVBS Out	CVBS In
20	-	CVBS In
21	Ground	Ground

### Serial (RS-23C) Connector

Pin No	Signal Name
1	-
2	RXD (Received Data)
3	TXD (Transmit Data)
4	-
5	Ground
6	-
7	-
8	-

