

## Product Information

# Digital Satellite Receiver

Product Code R-BBCI

**homecast**  
Connecting Your Digital Dream

ideal for the caravanning, camping and remote outdoor TV requirement...

**blackboxCI**

**Single CI Slot**

**12 VDC**

**BLIND SCAN**

### Key Features:

- Brilliant On Screen Graphic
- MPEG-2 & Fully DVB Compliant
- MPEG-2 Video (MP@ML), MPEG-1 Audio Layer1, Layer2
- LNB Controlling Logic
- SCPC/MCPC Receivable from C/Ku-Band Satellites
- Digital Tuner with Loop-through
- Wide Symbol Rate 1~45Mbps & Frequency Input 950 ~ 2150MHz
- DiSEqC 1.2 Supported
- S/PDIF AC3 Audio
- User friendly OSD Menu with Full Function
- 256 color GUI (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
- Teletext and Subtitle Supported (VBI & OSD)
- Installation by Easy Setup Guide
- Capacity for storing multi channel:
  - FTA - 2500 channels, 500 transponders
  - CI - 4000 channels, 1000 transponders
- Favourite Channel and Parental Lock Function
- RS232C Port for Upgrading System Software



Single Common Interface Slot  
Great for Optus Aurora or SelecTV  
Subscription Services



Fully Featured IR Remote Control



Remote Infra Red Target  
Install this small receiver in a concealed location and use the remote target to control the unit.

**Component Video via SCART Socket YUV**



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## Tuner & Demodulator

Input Frequency Range	950MHz to 2150MHz
RF Input Signal Level	-25dBmV ~ -65dBmV
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

## 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

TV Scart	RGB, CVBS, YUV; Audio L,R; (YUV & CVBS connection need special adaptors)
Serial Port	RS232C D-sub male type
S/PDIF Out	Optical Connector (Bit Stream Out)

## Power Supply

Input Voltage	DC 12~24V 1.5A
Weight	Approx 1.4KG
Operating Temperature	0°C~40°C
Storage Temperature	-40°C~65°C

## Conditional Access Interface (optional)

PCMCIA	1 Slot Common Interface
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## SCART Socket

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

## Serial (RS-23C) Connector

Pin No	
1	-
2	RXC (Received Data)
3	TXD (Transmit Data)
4	-
5	Ground
6	-
7	-
8	-
9	-

