

CityCom CCR 610

Digital Satellite Receiver with Common Interface



CityCom® - A company of the **KATHREIN** - group

CityCom Digital Satellite Receiver Common Interface CCR 610

General Functions

- 2000 programme locations for receiving all international digital DVB standard TV and radio programmes
- 2 Common interface slots
- Convenient pre-programming for 16 satellites: ASTRA, HOTBIRD, TÜRKSAT, EUTEL7°, ARABSAT etc.
- 2 Scart connections for TV and VCR
- S-VHS output (4-Pin Mini DIN)
- Video Out (Cinch)
- UHF-PLL Modulator (CH 21-69)
- 4-digit LED display
- Tuner with loop-through output for analogue receiver
- Multilingual OSD menu
- Automat. level/quality display for antenna alignment
- SCPC/MCPC capability
- Volume control for each programme location
- Language selection button for up to 16 transmitted TV languages
- Wide range of program search functions (Satellite, TP, FTA, ...)
- Capable of receiving electronic program guide (EPG)
- SPDIF audio digital output (Cinch)
- R-L audio output (Cinch)
- DiSEqC 1.2 controller for digital motor
- 10 programmable timer locations (daily, weekly, ...)
- Data transfer between 2 units
- Operating software and program list can be updated via satellite or RS232 and PC (Internet)
- Child-proof locking facility
- Last Channel function
- C/Ku band capability
- Mains switch with mains isolation

Technical Details

• Tuner

Input frequency	950 – 2150MHZ
Control signal	22KHz, DiSEq 1.2, Tonburst
Input level range	-65bis-25dBm

• Audio Decoder

Audio decoder	MPEG-1 Layer I and II
Audio channel	Mono, Dual Channel Stereo, Joint Stereo
Sampling frequency	32,44.2,48KHz
Signal (digital)	SPDIF coded

• Video Decoder

Video decoder	MPEG-2 Main Profile@Main Level
Video data speed	up to 15Mbits/s
Image format	4:3, 16:9
Video system	Pal, NTSC

• RF Modulator: PII Frequency Synthesizer

Modulator output	K 21-69
Video type	PAL B/G, I, D/K

• Demodulator

Signal form	QPSK
Symbol rate	2-45MS/s
SCPC / MCPC	capability

• Common Interface

Module type	PCMCIA-Type III
Connections	2, JEIDA 4.0 PCMCIA

• Serial Interface

Connection	9-pin SUB-D-connector
Data	DCE (DX2000), DTE(PC)
Speed	max.115 kb/s

Power Supply

- **Mains voltage** 90-250 V AC, 50/60 Hz
- **LNB supply** 14/18 V, 22KHz, max. 600 mA

General

- **Dimensions** 304(W)x250(D)x60(H) mm
- **Weight** approx 2,2Kg

Connections

- LNB/Tuner input F-connector
- LNB output F-connector
- TV/ VCR connection 2 x Scart connectors
- Digital audio RCA connector
- Audio (HIFI) 2 x RCA connectors
- Video signal RCA connector
- S-VHS 4-pin MiniDin
- Data interface RS 232 (9-pin Sub-D-connector)
- RF Modulator IEC169-2