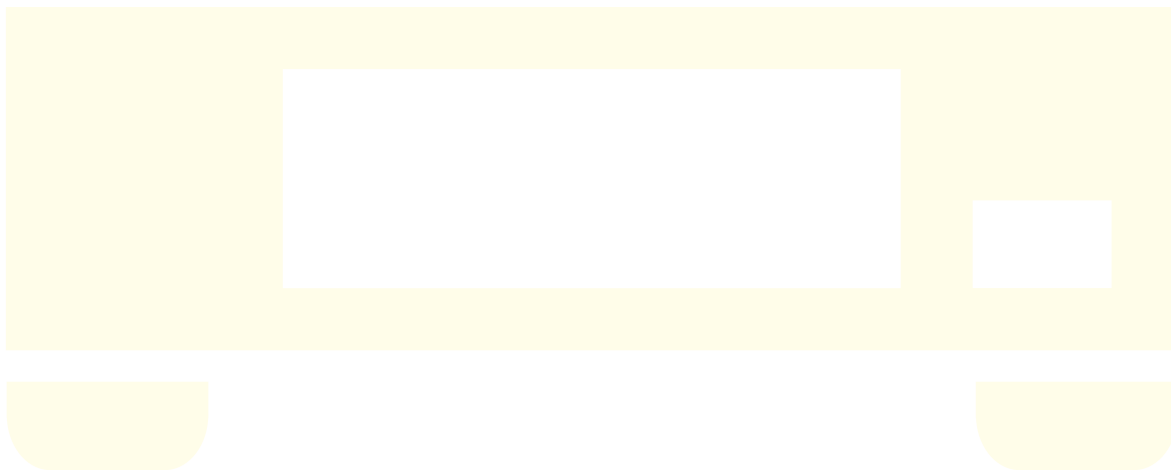


Receiver

- ▶ Receiver DVB-S
- ▶ Receiver DVB-T
- ▶ Accessories SAT-Receivers



OR 20



DVB-S receiver

- Slim Line Receiver
- 4000 channel memory capacity
- Display
- Electronic Program guide (EPG)
- Video text (loop through TV)
- 2 SCART
- Video, Audio L/R, AC3, RCA sockets
- 16:9 signalling
- Timer
- Multilingual Onscreen Menü
- DiSEqC 1.0, 1.2

Input

Frequency range 950-2150 MHz

Socket 1 x F / 75 ohm

Video

Decoding MPEG II

Video standard PAL

Video format 4:3; 16:9 (Letterbox)

Resolution 720x480 (NTSC) 720x576 (PAL)

Output level 1Vpp/75 Ohm

Output connectors 2 RCA Cinch Stereo, L+R
1 RCA Cinch Digital Audio AC3/SPDIF

Power supply

Operating voltage 230 VAC \pm 10%, 50/60 Hz

Power consumption max. 30 W, Standby ca. 6 W

General data

Data socket RS 232, 115 200 Kbps

Operating temperature +5°C...+40°C

Dimensions 252 x 52 x 140 mm

Shipping package 25 pieces/130 dm³/30 kg

Further details Volume adjustment

Software update

Autom. channel search

OR 40



DVB-S-FTA-Receiver

- 4000 selectable stations for TV and Radio
- Alphanumeric display
- User friendly on-screen-menu
- Electronic Program Guide (EPG) with multi day preview
- Favorite program list for TV and Radio
- Pre-programmed for ASTRA, EUTELSAT and TURKSAT
- Digital audio output
- DiSEqC 1.0 & 1.2, USALS
- ECHO, automatic program list update
- Power switch

Input	Frequency range	950 - 2150 MHz
	Input level range	- 65 dBm to -25 dBm
	Remote feed voltage	14/18 V, max. 400 mA
	Control signal	22 kHz
	DiSEqC	1.0 and 1.2, USALS
	Input symbolrate	2 MS/s - 45 MS/s
Video	Decoding	MPEG II, Main profile @ Main level
	Resolution	720x480 (NTSC) / 720x576 (PAL)
	Video format	4:3, 16:9
Audio	Typ	Mono, 2-ch. Mono, Stereo
	Bitrate	32 / 44.1 / 48 kHz
Connectors	Tuner input	F-type socket
	Loop Through	F-type socket
	TV SCART	RGB, CVBS, Audio
	VCR SCART	CVBS, Audio
	S-VHS	Y/C, Hosiden
	Digital Audio S/PDIF	1x RCA Cinch coaxial
	Video	1x RCA Cinch
	Audio	2x RCA Cinch
Power supply	Data socket	D-sub, 9-polig, max. 115 kbps
	Operating voltage	100-240 V AC, 50/60 Hz
General Data	Power consumption	max. 15 W
	Dimensions (WxDxH)	285 x 210 x 54 mm
	Weight	1.5 kg
	Operating temperature	+5°C...+35°C



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DVB-S-CI-Receiver

- 4000 selectable stations for TV and Radio
- 2 Common Interface slots
- Alphanumeric display
- User friendly on-screen-menu
- Electronic Program Guide (EPG) with multi day preview
- Favorite program list for TV and Radio
- Pre-programmed for ASTRA, EUTELSAT and TURKSAT
- Digital audio output
- DiSEqC 1.0 & 1.2, USALS
- ECHO, automatic program list update
- Power switch

Input	Frequency range	950 - 2150 MHz
	Input level range	- 65 dBm to -25 dBm
	Remote feed voltage	14/18 V, max. 400 mA
	Control signal	22 kHz
	DiSEqC	1.0 and 1.2, USALS
Video	Symbolrate	2 MS/s - 45 MS/s
	Decoding	MPEG II, Main profile @ Main level
	Resolution	720x480 (NTSC) / 720x576 (PAL)
	Video format	4:3, 16:9
	Typ	Mono, 2-ch. Mono, Stereo
Connectors	Bitrate	32 / 44,1 / 48 kHz
	Tuner input	F-type socket
	Loop Through	F-type socket
	TV SCART	RGB, CVBS, Audio
	VCR SCART	CVBS, Audio
	S-VHS	Y/C, Hosiden
	Digital Audio S/PDIF	1x RCA Cinch coaxial
	Video	1x RCA Cinch
	Audio	2x RCA Cinch
	Data socket	D-sub, 9-polig, max. 115 kbps
Power supply	Operating voltage	100-240 V AC, 50/60 Hz
	Power consumption	max. 15 W
General data	Dimensions (WxDxH)	285 x 210 x 54 mm
	Weight	1.5 kg
	Operating temperature	+5°C...+35°C

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DVB-S-CI-Receiver Cryptoworks

- 4000 selectable stations for TV and Radio
- 2 Common Interface slots
- Integrated Cryptoworks card reader
- Alphanumeric display
- User friendly on-screen-menu
- Electronic Program Guide (EPG) with multi day preview
- Favorite program list for TV and Radio
- Pre-programmed for ASTRA, EUTELSAT and TURKSAT
- Digital audio output
- DiSEqC 1.0 & 1.2, USALS
- ECHO, automatic program list update
- Power switch

Input	Frequency range	950 - 2150 MHz
	Input level range	- 65 dBm to -25 dBm
	Remote feed voltage	14/18 V, max. 400 mA
	Control signal	22 kHz
	DiSEqC	1.0 and 1.2, USALS
Video	Sybolrate	2 MS/s - 45 MS/s
	Decoding	MPEG II, Main profile @ Main level
	Resolution	720x480 (NTSC) / 720x576 (PAL)
Audio	Video format	4:3, 16:9
	Typ	Mono, 2ch. Mono, Stereo
	Bitrate	32 / 44,1 / 48 kHz
Connectors	Tuner input	F-type socket
	Loop Through	F-type socket
	TV SCART	RGB, CVBS, Audio
	VCR SCART	CVBS, Audio
	S-VHS	Y/C, Hosiden
	Digital Audio S/PDIF	1x RCA Cinch coaxial
	Video	1x RCA Cinch
Power supply	Audio	2x RCA Cinch
	Data socket	D-sub, 9-polig, max. 115 kbps
	Operating voltage	100-240 V AC, 50/60 Hz
General data	Power consumption	max. 15 W
	Dimensions (WxDxH)	285 x 210 x 54 mm
	Weight	1.5 kg
	Operating temperature	+5°C...+35°C



OR 80



DVB-S TWIN receiver with hard disk

- 4000 selectable stations for TV/Radio
- 120GB hard disk for 84 hours of recording
- Double Sat IF tuner with loop through connectors
- Time shift function
- User friendly on-screen-menu
- EPG with multi day preview
- List of favourite TV and radio programs
- DOLBY DIGITAL AC3 output

Color		Silver
Antenna inputs		2
Channel memories TV/Radio		4000
Common Interface		2 slots
SCART/RCA-connectors		2
On-screen-Menus		color
Timer		Programme / days
RF-section	Input	75 Ω / F-socket
	Input frequency	920-2150 MHz
Video-section	Outputs	SCART
Audio-section	Outputs	SCART / RCA
	Decoding	MPEG I, Layer 2
	Bit rate	max. 384 kbps
	Digital	SPDIF
Video	RF-connections	IEC-socket / plug
	Decoding	MPEG II
	Output	PAL / NTSC
Serial data	SCART	RGB / FBAS
	Connection / Signal	9 pin D-sub / RS 232 115 200 kbps
Power supply	Operating voltage	230 VAC / 50 Hz
	Power consumption Operation	30 W
	Power consumption Standby	5 W
	LNC-supply max.	500 mA
Miscellaneous	Operating temperature	0°C...+40°C
	Dimensions W x D x H	300x210x60 mm
	Weight	2.9 kg
	Shipping package	5 pieces 90 dm ³ 20 kg

Receiver DVB-T

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DVB-T receiver

- 4000 channel memory capacity
- 4 digit LED
- Electronic Program guide (EPG)
- Video text
- 2 Scart, RCA cinch video, - audio L/R, - AC3
- RS 232 interface for Software and channel list update
- TV format 4:3, 16:9, Letterbox
- Timer function (10x Timer, 1x Sleep Timer)
- Multi lingual ON-SCREEN menue
- Display for strenght and quality of signal
- Channel lists editor

Input

Frequency range	174-230 MHz; 470-862 MHz
Connector	2xIEC (Male, Female)
Antenna power supply	+5V/30 mA max; switch off
Impedance	75 Ohm
Input level	20-80 dB μ V
Demodulation	OFDM
Bandwidth	7/8 MHz
Video	
Decoding	MPEG II
Video standard	PAL
Video format	4:3; 16:9 (Letterbox)
Resolution	720x480 (NTSC) 720x576 (PAL)
Output level	1 Vpp/75 Ohm
Output connector	TV SCART: CVBS. RGB, Y/C, YUV, Audio L+R
	VCR SCART: CVBS. Audio L+R
Audio	
Decoding	MPEG I, Layer 2
Sample rate	32; 44.1; 48 kHz
Output connectors	2 RCA Cinch Stereo, L+R
	1 RCA Cinch Digital Audio AC3/SPDIF
Power supply	
Operating voltage	230 VAC \pm 10%, 50/60 Hz
Power consumption	max. 30 W, Standby ca. 2 W
General data	
Data socket	RS 232, 115 200 kBps, 9 pin D-Sub
Operating temperature	+5°C...+40°C
Dimensions	252x52x140 mm
Shipping package	25 pieces/130 dm ³ /30 kg



Receiver DVB-T

OR 49



DVB-T-Receiver

- 500 selectable stations for TV and Radio
- Alphanumeric display
- User friendly on-screen-menu
- Electronic Program Guide (EPG) with multi day preview
- Favorite program list for TV and Radio
- Pre-programmed for ASTRA, EUTELSAT and TURKSAT
- Digital audio output
- Power switch

Input	Frequency range	47 - 867 MHz
	Input level range	-65 dBm to -35 dBm
	Input frequency	VHF 178 - 228 MHz UHF 474 - 858 MHz
Video	Bandwidth	6/7/8 MHz type
	Decoding	MPEG II, Main profile @ Main level
	Transmission	up to 15 Mbit/s
	Resolution	720x480 (NTSC) / 720x576 (PAL)
	Video format	4:3, 16:9
Audio	Typ	Mono, 2ch. Mono, Stereo
	Bitrate	32 / 44,1 / 48 kHz
Power supply	Operating temperature	100-240 V AC, 50/60 Hz
	Power consumption	max. 15 W
General data	Dimensions (WxDxH)	285 x 210 x 54 mm
	Weight	1.6 kg
	Operating temperature	+5°C...+35°C

Accessories SAT-Receivers

OB 01



Universal IR-SAT Remote control

Distance range	<7 m
Key pad area	40 Function keys
Batteries	4x 1.5 VDC Typ: LR03-AAA
Receiver	OR 30, OR 28, OR 31, OR 46
	OR 48, OR 49, OR 52, OR 54
	OR 54 D, OR 55, OR 56, OR 57
	OR 58, OR 60
Packing unit	1 piece, 0.34 dm ³ , 0.11 kg

