DVB-S receivers

KATHREIN

DVB-S receiver for mobile use

UFS 740sw 20210087 CE

The UFS 740sw receiver is suitable for the reception of digital satellite TV and radio channels.

It is equipped with a Common Interface for 2 CA modules for decoding pay-TV channels.

The receiver does not only offer a very high audio and video quality, it also comes in a modern and appealing housing and a 16-digit display.

The receiver is delivered with an external power supply unit which allows the user to operate it on both 230 V for stationary and 12 V for mobile use, and with the required accessories for on-surface or under-shelf installation.

The UFS 740sw can also be used to control the CAP 900 and CAP 600.

Features

- Reception of digital satellite TV and radio channels
- 4,000 channel memory positions
- 16-character alphanumeric display with status icons shows channel names and programme information
- Common Interface for two CA modules [1)]
- Kathrein easy-use EPG with timer programming [2)]
- Guided first installation with national programme lists
- 31 satellites are pre-programmed
- Pre-programmed programme list
- 12 V supply for mobile use
- 230 V power supply unit for stationary use
- Mounting accessories for on-surface or under-shelf installation
- Software downloads via satellite and PC
- Antenna level shown on TV (optically and acoustically) for manual alignment of a parabolic reflector (Sat Finder)
- 8 favourite channel lists each for TV and radio
- Automatic date and time setting via DVB data stream
- On-screen display (OSD) in 8 languages (D, GB, F, I, E, CZ, NL, TR)
- 1000 timers (serial and interval timer)
- Language selection for programmes broadcast in several languages
- Optical and electrical audio output for Dolby Digital data stream (AC 3)
- Composite colour picture, Y/C and RGB signal output programmable on Scart socket
- Cinch sockets for AV signal
- Videotext decoder with 800-page memory capacity and videotext generation
- Automatic 4:3 and 16:9 format recognition with optional output format
- Channel scan
- Channel position search function
- DiSEqC™1.0, CAP command set and SCR single-cable system control signals
- Infra-red remote control with command set switching
- On/off switch (disconnection from 12 V supply)
- Integrated electronic inverse-polarity protection
- External IR sensor for hidden receiver installation
- Delivery scope: IR remote control, batteries, mounting support, IR sensor, 12 V connection cable with shock-proof plug (cigarette lighter and 12 V connection plug), TV connection 3 x Cinch to Scart, 230 V/12 V power supply units, manual, safety notes

[1)] CA module is not supplied
[2)] Display of information only if broadcast by the programme provider

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Technical data

Type		UFS 740sw
Order no.		20210087
Colour		Black
RF characteristics		
Input frequency range	MHz	950-2,150
Input level range	dBµV	44-83
Reception threshold (EB/NO)	dB	< 4.5
TV system Video		
Modulation, FEC, demultiplexer		DVB-S standard
Video resolution		CCIR 601 (720 x 576 lines)
Input data rate	MSymb/s	2-45
Video decoding		MPEG-1 and MPEG-2 compatible
Bit rate	MBit/s	1.5-15
Frequency range	MHz	0.02-5
Output voltage	Vss	1
S/N	dB	> 53
TV system Audio		
Audio decoding		MPEG-1 and MPEG-2, layer 1 and 2
Sampling rate	kHz	32/44.1/48
Frequency range	kHz	0.04-20
Output voltage	mV_{ss}	Typ. 770
S/N	dB	> 65
Memory		
Flash-RAM	MB	8
SDRAM	MB	32
Processor clock speed	MHz	221
Power supply		
Mains voltage (external power supply unit)	V_{AC}/Hz	230 (± 15 %)/50
Direct voltage	V_{DC}	12
Power consumption (operational mode/ standby mode)	W	< 26/< 2.5
LNB supply vert./horiz.	V/mA	14/18/max. 350
Control signal	kHz	22; DiSEqC™1.0, CAP command set, SCR single-cable system
Connections		
Sat-IF input/output (loop through)		2 x F-type socket
TV/VCR output		2 x Scart socket
Video output		Cinch socket
Audio output (analogue)		2 x Cinch socket
Audio digital output (electrical)		Cinch socket
Audio digital output (optical)		SPDIF
Data interface		RJ 11 socket
Common Interface		2
General		
Ambient temperature range	°C	+5 to +40
Dimensions	mm	280 x 45 x 185
Weight	kg	< 2