

DVB-S receivers FTA

UFS 650si	20210107	CE
UFS 650sw	20210108	

The UFS 650 receiver enables reception of both digital satellite TV and radio programmes.

The receiver is fitted with an HDMI output which enables connection to a flat-screen TV set, for optimal viewing comfort. An integrated upscaler ensures optimal picture processing for flat-screen TVs.

Features include: Kathrein EPG, guided first installation with national programme lists, an electrical audio output for Dolby Digital (AC 3), a video Cinch output and videotext with 800-page memory capacity.

The receivers are available in silver and black.



Features

- Reception of digital satellite TV and radio programmes
- HDMI output enables connection to a flat-screen TV set for optimal viewing comfort
- Upscaler to upscale Pal signals (576i) to 576p, 720p and 1080i
- Kathrein EPG with timer programming ²⁾
- Guided first installation with national programme lists
- Pre-programmed programme list
- Suitable for software downloads via satellite and PC
- 8 favourite channel lists each for TV and radio
- On-screen display (OSD) in 8 languages (D, GB, F, I, E, CZ, NL, TR)
- 14 timers, easy programming through the EPG
- Language selection for programmes broadcast in several languages
- Electrical audio output for Dolby Digital data stream (AC 3)
- Composite colour picture and RGB signal output programmable on Scart socket
- Cinch sockets for AV signal
- Videotext decoder with 800-page memory capacity
- Automatic 4:3 and 16:9 picture format recognition with choice of viewing format
- Programme scan
- Automatic date and time setting via DVB data stream
- Programme position sort function
- DiSEqC™1.0 and SCR single-cable system control signals
- Infra-red remote control
- On/off switch (disconnection from 12 V supply)
- An external IR sensor can be connected
- Delivery scope: Infra-red remote control, batteries, manual, safety notes, Scart cable, 230 V/12 V power supply units

¹⁾ Display of information only if broadcast by the programme provider

Technical data

Type		UFS 650si	UFS 650sw
Order no.		20210107	20210108
Colour		Silver	Black
RF characteristics			
Input frequency range	MHz	950-2.150	
Input level range	dB μ V	44-83	
Reception threshold (EB/NO)	dB	< 4.5	
TV system, Video			
Modulation, FEC, de-multiplexer		DVB-S standard	
Video resolution		CCIR 601 (720 x 576 lines), 576p, 720p, 1080i	
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	V _{ss}	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		
SDRAM	MB		
Processor clock rate	MHz		
Power supply			
Mains voltage (external power supply unit)	V _{AC} /Hz	230/50 \pm 10 %	
DC voltage	V	12	
Power consumption (operation/stand-by)	W	< 26/< 2,5	
LNB supply vert./horiz.	V/mA	14/18/Max. 400	
Control signal	kHz	22; DiSEqC™1.0; 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	
Video/audio output (digital)		1 x HDMI	
Audio output (analogue)			
Audio digital output (electrical)		2 x Cinch socket	
Data interface		Cinch socket	
Common Interface		RJ 11 socket	
General			
Permissible ambient temperature	°C	+5 to +40	
Dimensions	mm	255 x 47 x 190	
Weight	kg	1.0	