

DVB-S/T receivers, Conax embedded and CI



UFS 790si 20210125
UFS 790sw 20210126



The receivers UFS 790si and UFS 790sw are combined receivers which enable reception of both digital satellite and digital terrestrial TV and radio programmes with one set-top box.

A Conax decoding system is already embedded. Furthermore, the receivers are equipped with a Common Interface for a CA module, making it possible to decode additional Sat Pay TV programmes.

The HDMI interface allows one to connect the receiver to the HDMI interface on a flat-screen TV for optimal viewing comfort.



The receivers possess a wide range of features such as a 16-digit alphanumeric display which shows programme names, electrical and optical audio outputs for

Dolby Digital (AC3) and videotext with an 800-page memory capacity. The receivers are available in silver and black.

Features

- Reception of digital satellite and digital terrestrial TV and radio programmes
- 4,000 programme memory positions
- 16-digit alphanumeric display with status icons shows programme names and programme information
- Conax decoding system embedded
- Common Interface for a CA module ¹⁾
- HDMI output for optimum transmission to a flat-screen TV set
- Upscaler to upscale Pal signals (576i) to 576p, 720p and 1080i
- Electronic programme guide (EPG) with detailed information ²⁾
- Guided first installation
- Pre-programmed programme list
- Automatic download of software
- Suitable for software downloads via satellite and PC
- 4 favourite programme lists
- Automatic date and time setting via DVB data stream
- On-screen display (OSD) in 8 languages (D, GB, F, I, E, CZ, TR, NL)
- 8 timers; programmable via the EPG
- Language selection for programmes broadcast in several languages
- Optical and electrical audio output for Dolby Digital data stream (AC 3)
- Composite colour, Y/C and RGB signal output programmable on Scart socket
- Cinch sockets for L/R signal
- Videotext decoder with 800-page memory capacity and videotext generation
- Programme scan
- Programme position sort function
- DiSEqC™1.0 and SCR single-cable control signal
- An active DVB-T antenna (e.g. BZD 30, BZD 40) can be remote-fed using the RF input
- Infra-red remote control
- Mains switch
- External IR sensor can be connected
- Delivery scope: Infra-red remote control, batteries, manual, safety notes, Scart cable, power cable

¹⁾ CA module is not supplied

²⁾ Display of information only if broadcast by the programme provider

Technical data

Type		UFS 790si	UFS 790sw
Order no.		20210125	20210126
Color		Silver	Black
RF characteristics Sat			
Input frequency range	MHz	950-2,150	
Input level range	dB μ V	44-83	
Reception threshold (EB/NO)	dB	< 4.5	
RF characteristics terr.			
Input frequency range	MHz	174-230 and 470-862	
Channel bandwidth	MHz	7/8, automatic switching	
Modulation type		COFDM 2k, 8k	
Mapping		QPSK, 16 QAM, 64 QAM	
Guard Interval		1/4, 1/8, 1/16, 1/32	
FEC		1/2, 2/3, 3/4, 5/6, 7/8	
Input level range	dB μ V	28-86 (at 16 QAM)	
TV system video			
Modulation, FEC, de-multiplexer		DVB-S standard/DVB-T standard	
Video resolution		CCIR 601 (720 x 576 lines), 576i, 576p, 720p, 1080i	
Input data rate Sat/terr.	MSymb/s	2-45/5-32	
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	4	
SDRAM	MB	16	
Processor clock speed	MHz	150	
Power supply			
Mains voltage	V/Hz	230 (\pm 10 %)/50	
Power consumption (operational mode/stand-by)	W	< 22/< 8	
LNB supply vert./horiz.	V/mA	14/18/max. 400	
Control signal	kHz	22; DiSEqC™1.0; SCR single-cable system	
Connections			
Sat-IF/RF input		F-type socket/IEC socket	
TV/VCR output		2 x Scart socket	
Video/audio output (digital)		1 x HDMI	
Audio output (analogue)		2 x Cinch socket	
Audio digital output (electrical)		Cinch socket	
Audio digital output (optical)		Standard optical output	
Data interface		RJ 11 socket	
Common Interface/decoding system		1/Conax embedded	
General			
Ambient temperature range	°C	+5 to +40	
Dimensions	mm	280 x 45 x 185	
Weight	kg	< 2	