



TV-SAT optical receiver

FO-RX dCSS+DTT series

**art. 19-012
FO-RX 2 OUT dCSS+DTT**

Optical receiver that allows to convert optical signals in input into electrical signals.
Equipped with a TV-SAT optical input and two TV-SAT outputs that work on legacy, SCR and dCSS mode. Ideal to distribute the signal to an apartment on Sky Q ready systems.

Equipped with connectors of different type:

- no. 1 FC/PC input connector for the optical signal;
- no. 2 output screw F-type connectors, where the signals converted from optical to electric.

With AGC, which allows the automatic gain control to balance the optical loss of the system.

20V power supply unit is included.

A LED indicator allows to monitor the status of the receiver:

- Flashing green LED: indicates the absence of the RF input signal and/or the optical output signal;
- Fixed green LED: indicates the presence of the optical signal on output.

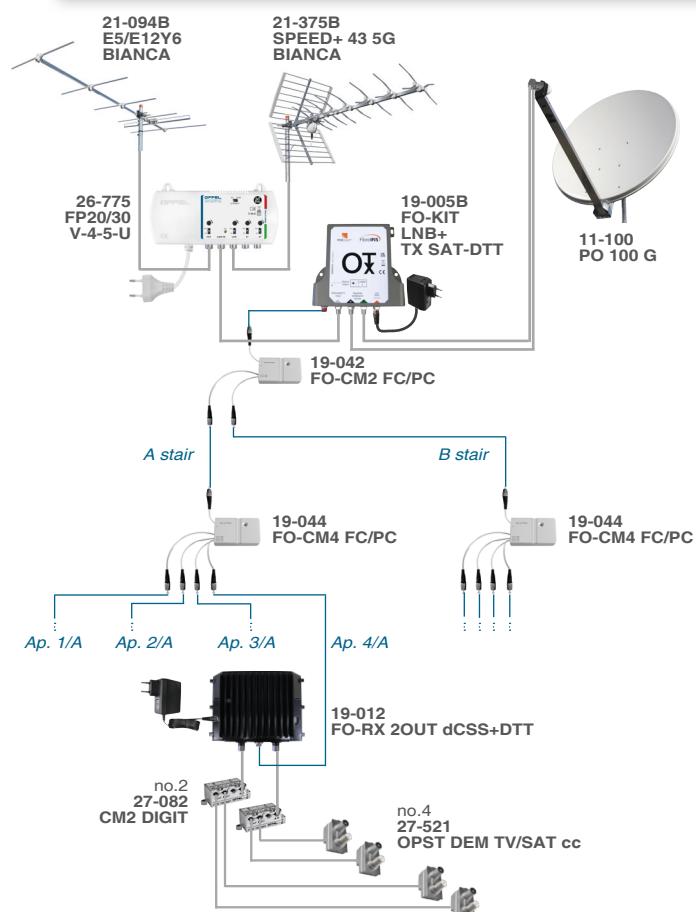


Characteristics

- Equipped with 2 legacy/SCR/dCSS TV-SAT outputs
- Equipped with AGC (automatic gain control)

Code	19-012	
Item	FO-RX 2 OUT dCSS+DTT	
No. optical inputs	1	
No. TV-SAT RF outputs	2	
Input connector	FC/PC	
Outputs connectors	screw F type	
Output SAT frequencies	MHz	950 ÷ 2150
FM TV output frequencies	MHz	88 ÷ 108
DAB TV output frequencies	MHz	174 ÷ 240
DTT TV output frequencies	MHz	470 ÷ 790
Output impedance	Ω	75
Wavelength	nm	1100 ÷ 1650
Return loss	dB	SAT 10 ; DTT 8
Gain variation across bands	dB	SAT 10 ; DTT 5
Typ. TV output level	dBµV	71 (for 6 MUXes)
Optical legacy SAT output level	dBµV	75
Optical SCR/dCSS SAT output level	dBµV	72
TV rejection	dB	35
SAT rejection	dB	35
Optical input power	dBm	-12 min ; -3 max
Max current consumption	mA	430
Input voltage range	Vdc	20
Vertical select voltage	Vdc	11,5 min ; 14 max; 13 typ.
Horizontal select voltage	Vdc	16 min ; 19 max; 18 typ.
Low/high band		0/22 KHz tone
Optical cabling fibre type		single mode 9/125
Optical cabling fibre standard		G657A
Dimensions (LxWxH)	mm	136x135x46
Packaging dimensions (LxWxH)	mm	220x140x55
Packaging weight	Kg	0,680
Fit temperature	°C	0÷ +50
Storage temperature	°C	-40 ÷ +70
POWER SUPPLY UNIT (included)		
Power supply	Vdc	20
Max delivered current	A	1,2
AC main tension		100-240 V~ 50/60Hz
Isolation class		II
Connector		Jack 2,1 mm

Example of application



* The data may vary due to the signal levels transmitted by the satellite

