



Overlight optical transmitter CWDM, Indoor use, 2SAT+DTT, 1310nm, Po 10dBm

Enhanced electronics and optical engineering to light up your TV

CWDM optical transmitter, specially designed for 2-satellite and DTT installations. It receives one polarity and one band from each of the two satellites of the installation, as well as the terrestrial signal, for multiplexing and distributing them up to 64 users over a fiber output in the 1310nm window with 10dBm optical power.

Thanks to its optimized electronics and low losses, it allows to reduce the number of amplifiers required and simplifies deployment in the design of collective installations, preserving the signal quality throughout the process.

This device is part of the Overlight system, that distributes satellite and terrestrial signals to multiple users through a single optical fiber.

It supports amplification.

This product is certified with the European IRS Certification Scheme mark, representing that it has passed the relevant test as set out in the latest EICS test specification, available from the DTG or CAI.

Ref.	237509
EAN13	8424450280775

Packaging info	
Box	1 pcs.

Physical data	
Net weight	497.00 g
Gross volume	2.60 dm³
Gross weight	609.00 g
Width	137.00 mm
Height	123.00 mm
Depth	44.00 mm

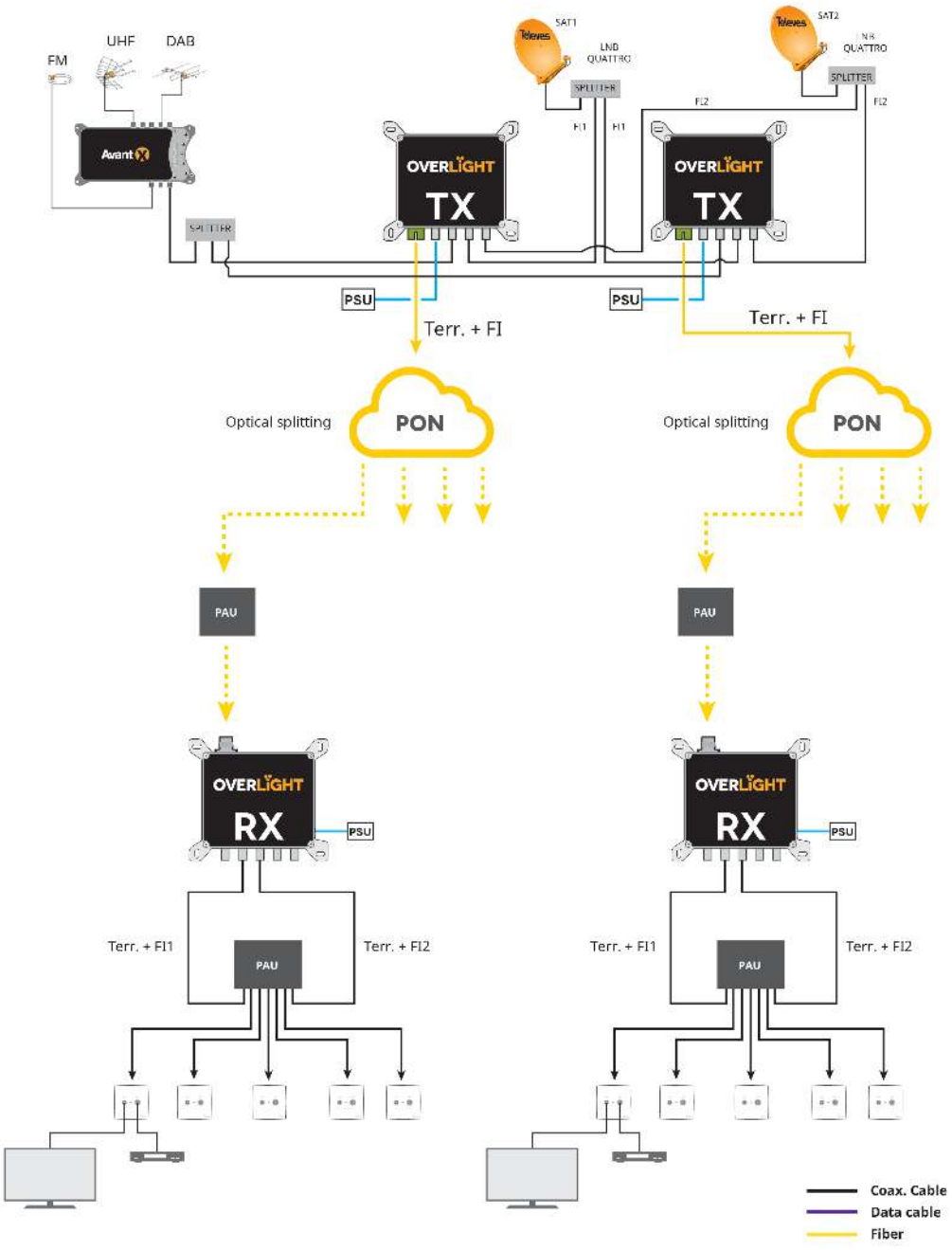
Main product weight	343.00 g

Highlights

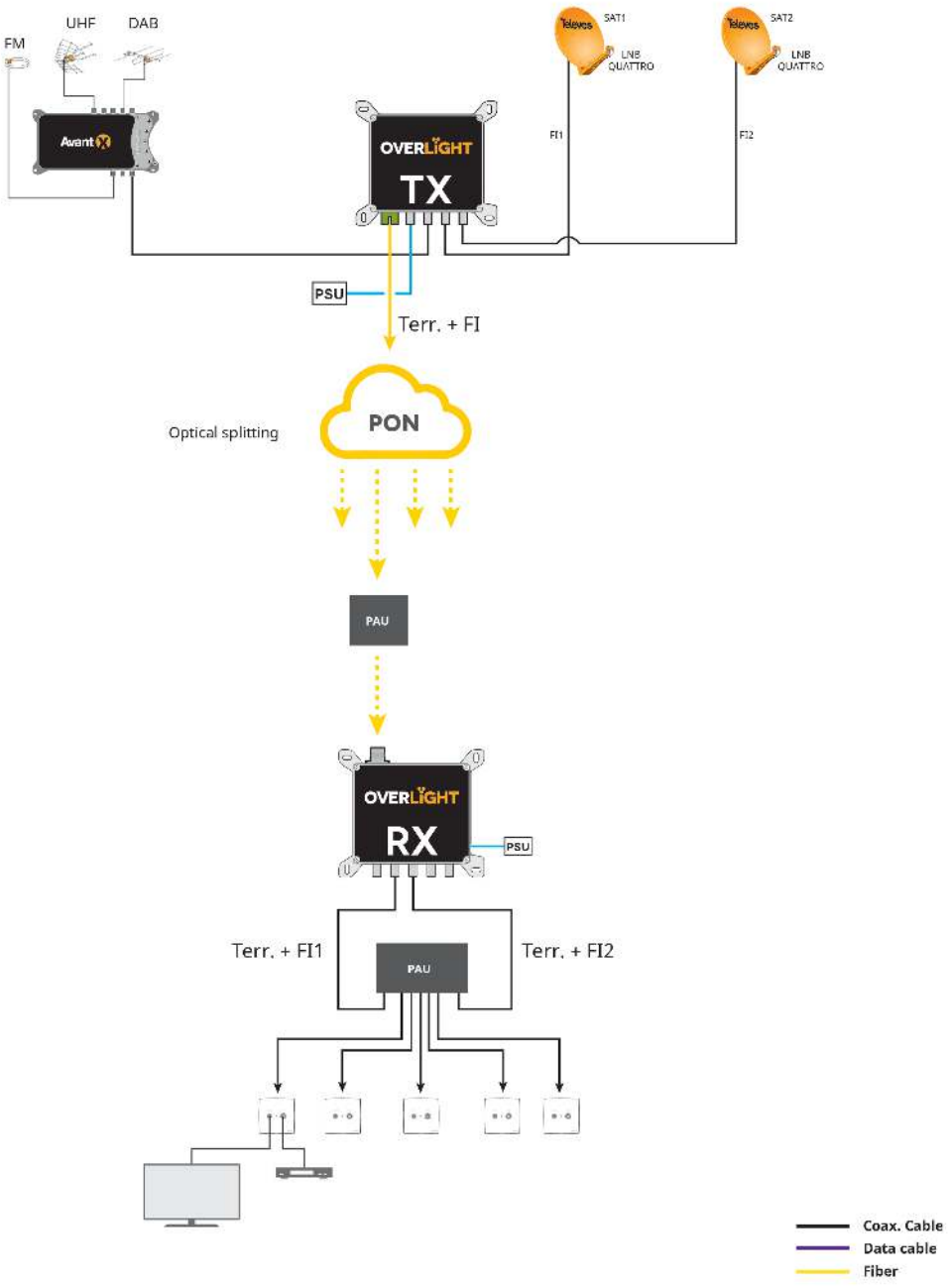
- **Independent inputs for each satellite downlink (IF) and terrestrial**
- **High output level that makes it ideal for collective installations of up to 64 users**
- Compatible with Quattro LNB offset (ref. 747701)
- Low losses
- Optimized electronic behavior
- Very compact in dimensions and weight (137x126x45mm)
- **100% European design, quality, and manufacturing**
- SC/APC optical connector
- F-type RF connectors
- High-screening Zamak chassis
- Wall mounting
- Power supply and adapter cable for F connector input included
- DC pass from the satellite inputs (IF) and the terrestrial input to the amplifier or LNB
- LED signal status indicator

Application example

DTT + 2 SAT up to 128 users



DTT + 2 SAT up to 64 users


FM
UHF
DAB
Avant
OVERLIGHT
TX
SAT1
LNB QUATTRO
SAT2
LNB QUATTRO
FI1
FI2
PSU
Terr. + FI
Optical splitting
PON
PAU
OVERLIGHT
RX
PSU
Terr. + FI1
PAU
Terr. + FI2
Coax. Cable
Data cable
Fiber

Technical specifications

Ref. 237509

Inputs		TERR	FI 1	FI 2
Frequency range	MHz	47 ... 698	950 ... 2200	950 ... 2200
Input level	dBmV	23 ... 35	10 ... 25	10 ... 25
Number of MUX for Input level		24	30	30
MUX bandwidth for Input level	MHz	8	40	40
Powering per inputs	Vdc	11.7 ... 17.7	11.7 ... 17.7	11.7 ... 17.7
Max. current pass	mA	500	500	500
Max. current pass total inputs	mA	1000		
Wavelength	nm	1310		
Optical output power	dBm	10		
Transmitter type		MQW-DFB		
Optical connectors		SC/APC		
RF connectors		"F" female		
Impedance	Ω	75		
Powering	Vdc	12 ... 18		
Current consumption	mA	< 350		
Max. power consumption	W	4.2		
PSU input voltage	Vac	100 ... 240		
Max PSU current input	mA	600		
PSU output voltage	Vdc	12		
Max PSU output current	A	1.5		
Operating temperature	°F	23 ... 113		