

Overlight Quattro Optical Receiver FM/DAB/UHF/SAT

Enhanced electronics and optical engineering to light up your TV

Wideband and terrestrial band optical satellite receiver in charge of capturing an optical TV signal (1200...1600nm), processing it and recovering the original RF signals. It offers one terrestrial TV output and four satellite TV outputs in quattro mode, providing in each connector a combination of band and polarity (Hh, Vh, Hl, Vl).

It incorporates OLC (Optical Level Control) technology, keeping the RF output level constant regardless of the optical signal level at the input and the channel load.

Thanks to its optimized electronics and low losses, it is possible to reduce the number of amplifiers required and simplify deployment in collective installations, while preserving signal quality throughout the process. Furthermore, it is fully indicated for use in GPON installations.

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

Ref.	237641
Logical ref.	OLR44K
EAN13	8424450333303

Packaging info

Box	1 pcs.
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Physical data

Net weight	360.00 g
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Gross volume	0.82 dm ³
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Gross weight	390.00 g
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Width	125.00 mm
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Height	91.00 mm
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Depth	30.00 mm
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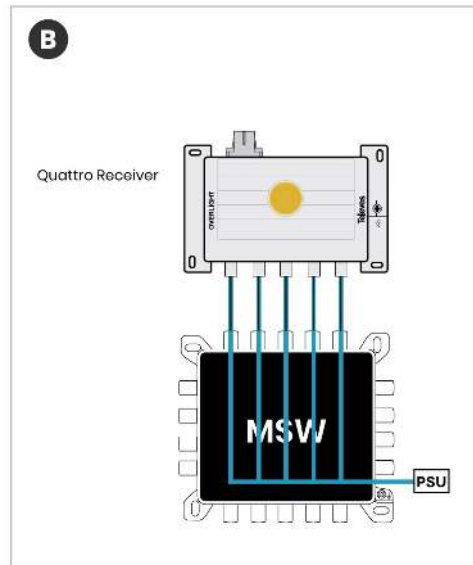
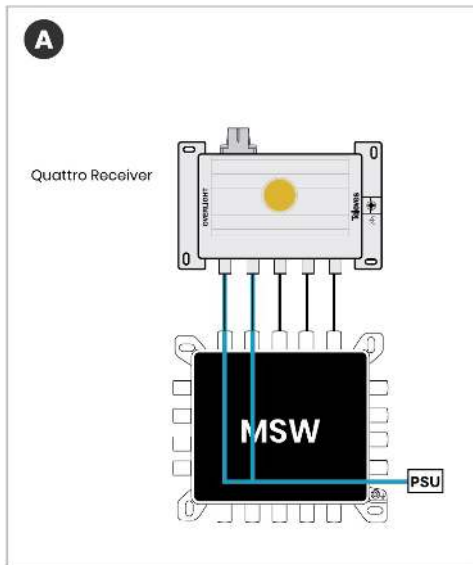
Main product weight	360.00 g
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Highlights

- Constant RF output level thanks to OLC (Optical Level Control) technology
- Easy installation in tight spaces, thanks to its ultra-compact design
- Fiber optic distribution with low losses and immunity to interference
- Compatible with GPON deployments
- Robust, high-screening chassis made of Zamak for interference protection
- Wall-mountable
- Remote power supply via multiswitch
- Very low power consumption (<5 W), 50% less than the previous generation
- 100% European design, quality, and manufacturing

Application example

The Quattro receiver is remotely powered by the multiswitch to which it is connected. Thanks to its low power consumption, it is compatible with multiswitches that provide power through a single satellite connector (A) or through several (B), achieving a wide compatibility.



— Coaxial
— DC

Technical specifications : Ref. 237641

Number of outputs			5
TERR number of outputs			1
Legacy number of outputs			4
Inputs		TERR	Legacy
Output frequency range	MHz	87 ... 694	950 ... 2150
Output level (OLC range)	dBmV	30 ... 31	20 ... 21
Input wavelength	nm		1200 ... 1600
OLC range	dBm		-10 ... -1
Optical input power	dBm		-15 ... 1
Optical return losses	dB		> 40
Optical receiving device			InGaAs PIN photodiode
Optical connectors			SC/APC
RF connectors			"F" female
Impedance	Ω		75
Powering	Vdc		12 ... 18
Max current consumption (@12V)	mA		370
Max current consumption (@18V)	mA		250
Operating temperature	°F		23 ... 113

These measurements are conditioned to the use of an Overlight transmitter