



FTTH optical receiver with 4 RF-output 1310/1550nm, DIN rail or wall installation

Select the desired satellite and DTT lineup on a single optical fiber

The FTTH receiver captures two satellite signals on a single fiber and demultiplexes them. The first one, in the wavelength 1310nm carries the dCSS satellite channels using an optical LNB (satellite operator SKY) while the second one in 1550nm, carries the DTT lineup plus a satellite offer using a second dish and a static dLNB.

The FTTH receiver has a physical switch that allows to select between dCSS SKY mode and FTA SAT mode. Depending of the selected choice, one of the two satellite signals plus the DTT lineup is delivered in the four RF outputs. In case of dCSS SKY mode, with the use of a single power supply, it powers up the dCSS optical converter (Ref. 237201).

Part of FULL SAT + DTT system to be used together with a FTTH transmitter (ref. 23730x).

Ref.	237320
Logical ref.	UOE15501310DIN
EAN13	8424450214848

Packaging info

Box	1 pcs.
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Physical data

Net weight	315.00 g
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Gross weight	390.00 g
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Width	139.00 mm
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Height	93.00 mm
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Depth	50.00 mm
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Main product weight	315.00 g
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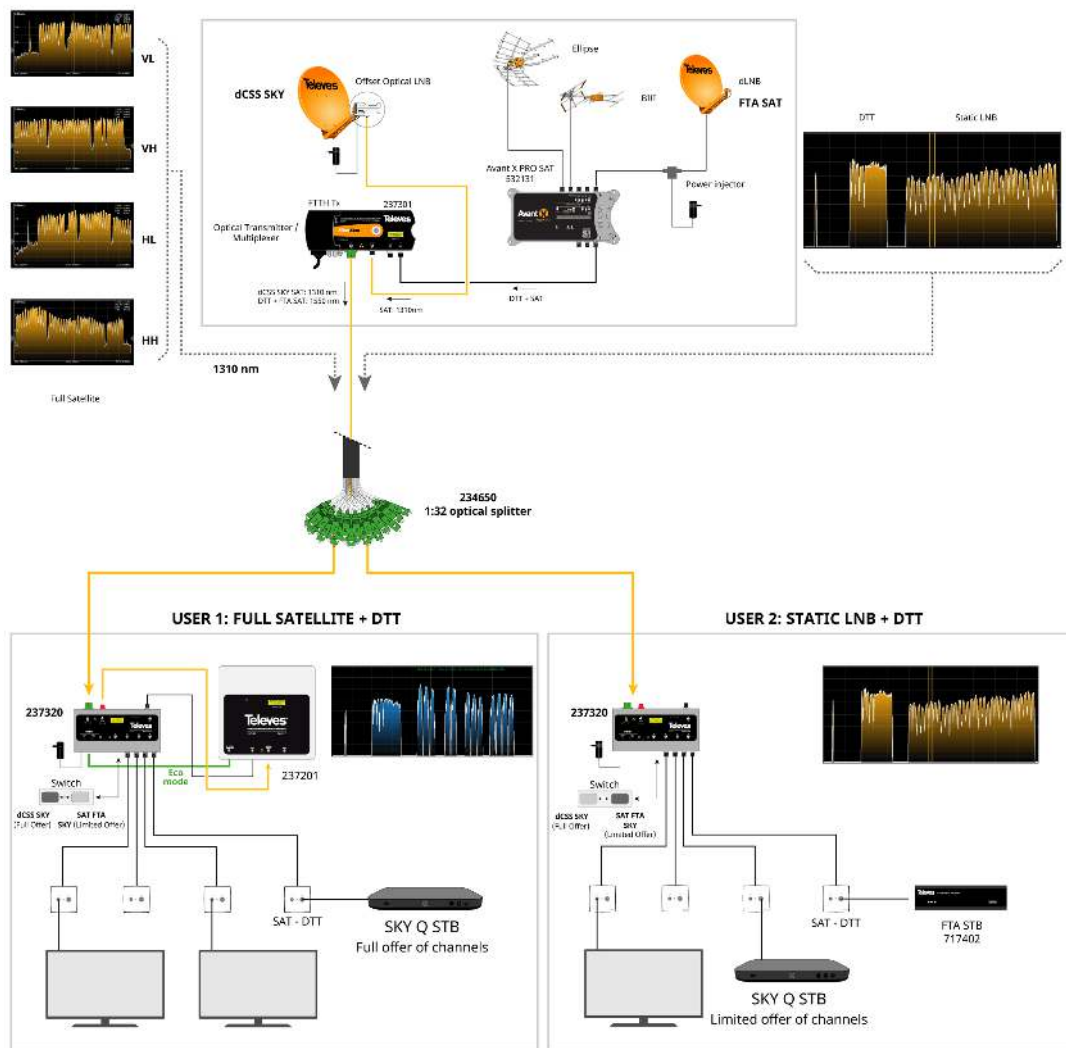
Highlights

- Standard DIN rail installation: this assembly provides safety and efficiency, as well as saving space, time and cost due its advantage by being able to integrate several electrical devices in an installation with a lower cabling density. It is also possible to mount it screwed on the wall
- Distribution mode flexibility: a switch is included to choose between DTT+Satellite IF or DTT+dCSS/Legacy
- High sensitivity in 1550 nm
- High output voltage in the 4 RF outputs
- Eco-Mode powering with dCSS SKY mode selected: if the STB is switched-off, it ceases to power up the dCSS optical converter, just delivering the DTT lineup with a very low power consumption

Main features

- Compatible with Legacy and dCSS multiswitches
- Equipped with a power supply output to feed an optical converter
- Very pleasant and compact format
- SC/APC and FC/PC optical connectors
- F-type RF connectors

Application example



Technical specifications

RF Output		
RF connector		4x F-female
Bandwidth	MHz	47 ... 2150
Impedance	Ohm	75
Return losses	dB	> 7,5
Planicity	dB	± 2,5
Slope	dB	1
Self-regulating output level	dB μ V	78
CNR / CSO / CTB	dB	>49 / >60 / >60
Optical input / output		
Number of ports		1x COM bidirectional 1x GPON bidirectional
Wavelengths	nm	GPON: 1310 & 1490 COM: 1310 & 1490 COM: 1550
Maximum optical input power	dBm	3
Optical input power	dBm	-10 ... +2
Optical return losses	dB	>40
Optical connectors		1x SC/APC (COM) 1x FC/PC (GPON)
Type of optical device		InGaAs pin photodiode
General		
Supply voltage	V=	12-20
Internal device consumption	mA	150-100
Output DC pass per output	mA	450
Operating temperature	°C	-5 ... +45
Protection index	IP	30