



WideBand LNB and optical transmitter Kit DAB/VHF/UHF/SAT, 1310nm, Po 8dBm

Kit consisting of LNB Wideband that captures the entire frequency spectrum of a satellite and transmits it through two outputs (V-H) in a frequency range between 290 and 2340MHz. The optical transmitter receives the signal from the LNB in its two satellite inputs, in addition to including a third input for terrestrial signal (88-694MHz) mixing. The resulting signal is provided by its optical output in the 1310nm window, with 8dBm optical power.

The kit also includes:

- Transmitter power supply, with Jack to "F" adapter, and EU and UK plugs
- Caps

Ref.	237412
Logical ref.	KLT1310
EAN13	8424450250778

Packaging info

Box	1 pcs.
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Physical data

Net weight	730.00 g
Gross weight	730.00 g
Width	162.00 mm
Height	148.00 mm

Depth	26.00 mm
Main product weight	730.00 g

Highlights

- For installations of up to 32 users
- Terrestrial and satellite signal conversion and mixing
- FC/UPC optical connector and F-type connectors for RF
- Can be mounted externally (on a satellite mast) or internally (on a wall or cabinet)

Discover

WideBand technology

WideBand (also known as FullBand) refers to broadband transmission technology that uses a wide range of frequencies. In WideBand TV systems, a substantial portion or the whole of the frequency spectrum is available to users. It can be used in fiber deployments where long cable runs are demanded, or coaxial scenarios in combination with multiswitches adapted to this technology.

In WideBand technology, an LNB captures a complete satellite signal and distributes it through 2 universal outputs (vertical -V- and horizontal -H-), each of them with the combination of high (H) and low (L) bands, in a frequency range between 290 and 2340 MHz.

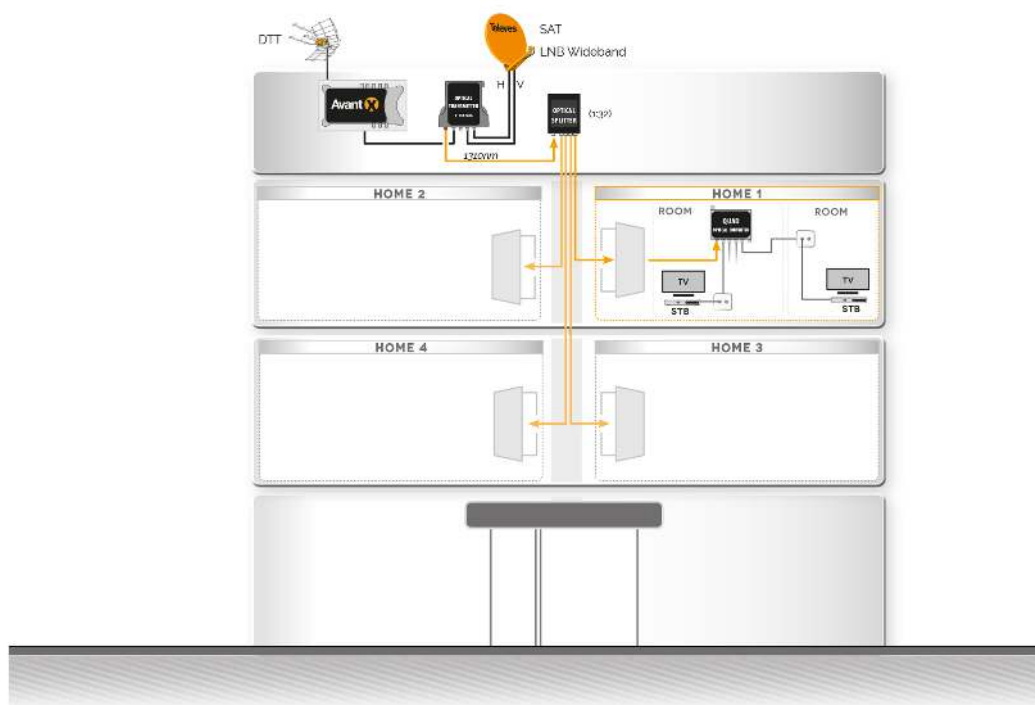
Despite the fact that Quattro technology is the most widely deployed technology in TV systems nowadays, WideBand technology brings significant advantages to the installation:

- **Simpler, faster and cleaner installation:** In WideBand technology the number of coaxial cables connecting the LNB to the multiswitches is half as in traditional Quattro deployments, so the installation is done quicker and easier. The installation will also be tidier with fewer cables.
- **Wider bandwidth than other technologies:** WideBand channels can carry more information thanks to their wide bandwidth (290-2340MHz). This powerful feature allows a greater number of services to be delivered to the end users of the installation.
- **Reusable deployment:** WideBand technology allows signal distribution by reusing a Quattro

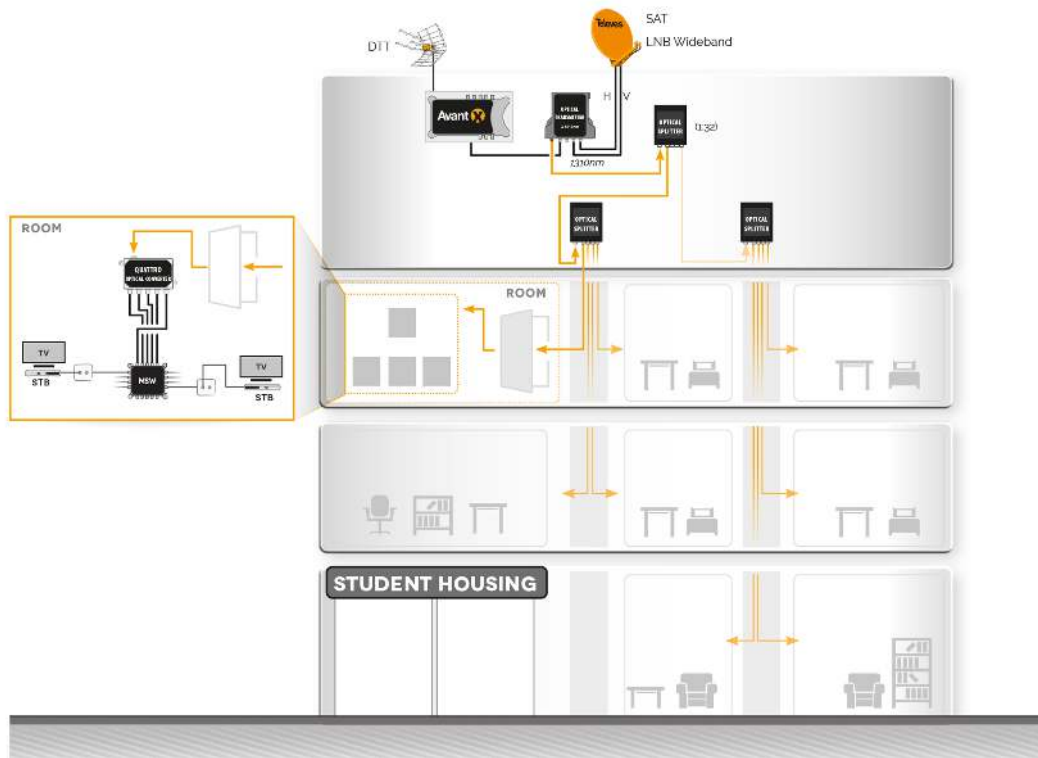
installation. It can be distributed through the old 4 cables coming down from the roof to capture signals from up to 2 satellites, changing only LNBs and MSWs to be WideBand compatible.

Application example

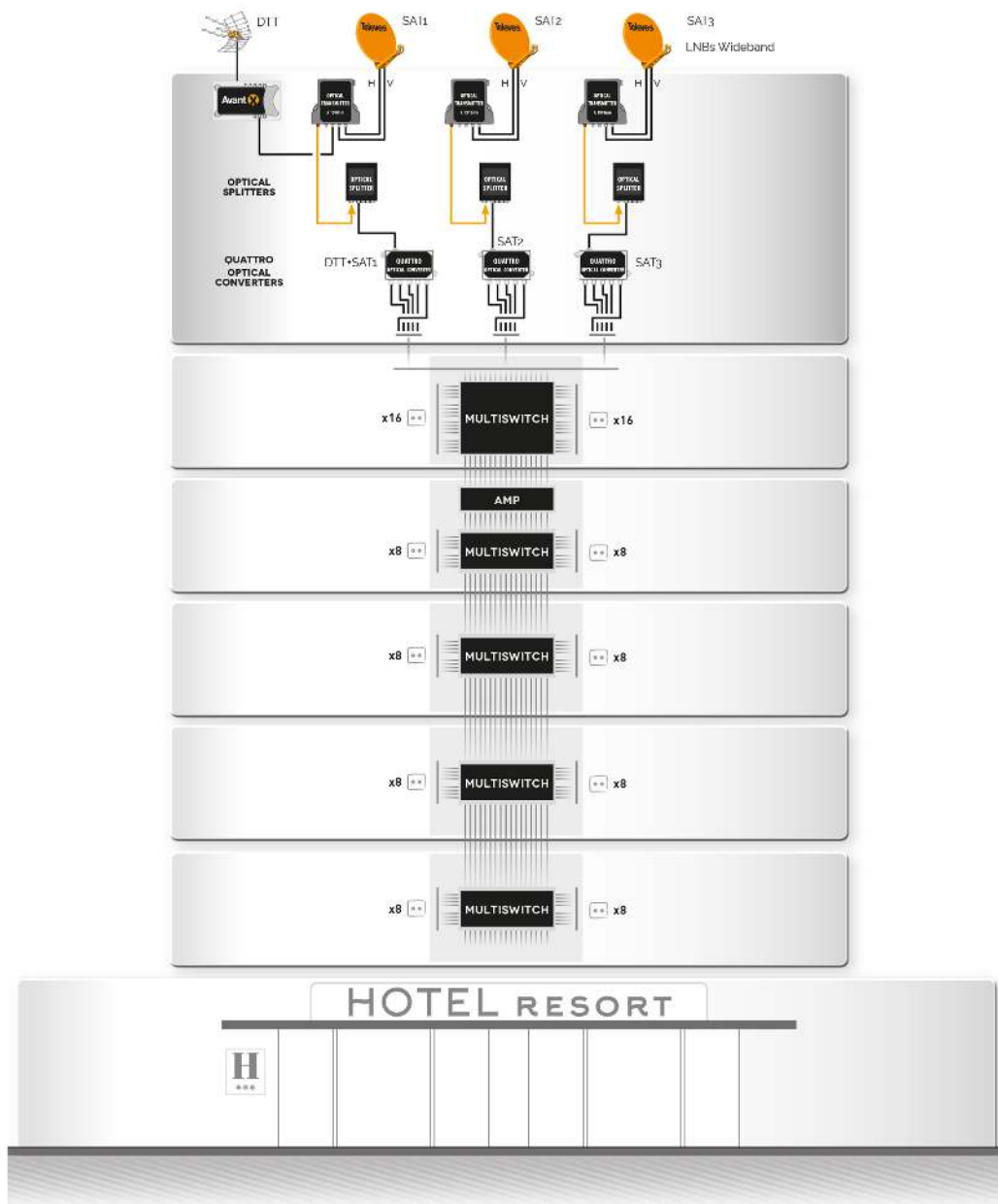
FTTH: Private building (DTT + SAT)



FTTR: Student housing (DTT + SAT)



FTTB: Hotel (DTT + 3SAT)



Technical specifications : Ref. 237412

Inputs/Bands		TERR	V	H
Frequency range	MHz	88 ... 694	290 ... 2340	290 ... 2340
Input level	dBµV	--	70 ... 85	70 ... 85
Input impedance	Ω		75	
Wavelength	nm		1310	
Optical output power	dBm		8	
RF connectors			"F" female	
Optical connectors			FC/UPC	
Input voltage	Vac		20 ... 20	
Max. power consumption	W		7	
Operating temperature	°C		-20 ... 60	