EuroSwitch/NevoSwitch WideBand amplifier 27/29 dB, 5 inputs (2 satellites)

Amplifier equipped with 5 inputs (one terrestrial and the two WideBand polarities of two satellites) compatible with dCSS NevoSwitch WideBand range, that allows increasing the number of dCSS/dSCR users in the installation while optimizing the signal received by each of them. Amplification around 27 dB for terrestrial, and 29 dB for satellite.

Ref.	730902
Logical ref.	VWBHG
EAN13	8424450270424

Packing

Box	1 pcs.

Physical data

Net weight	364.00 g
Gross weight	430.00 g
Width	137.00 mm
Height	121.00 mm
Depth	29.00 mm
Main product weight	356.00 g

Highlights

- High output level

- The TERR.DC switch isolates or connects the power supply available from the cascade in the terrestrial branch. Can be useful for the feeding of a mast amplifier or an intelligent antenna, but also for the terrestrial branches of other MSW in the cascade
- Gain and slope individual adjustment

Main features

- Very compact
- High shielding (A class) thanks to its manufacture in Zamak
- Wide voltage range: Voltages from 12 V to 18 V make it compatible with most existing systems
- Low power consumption

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

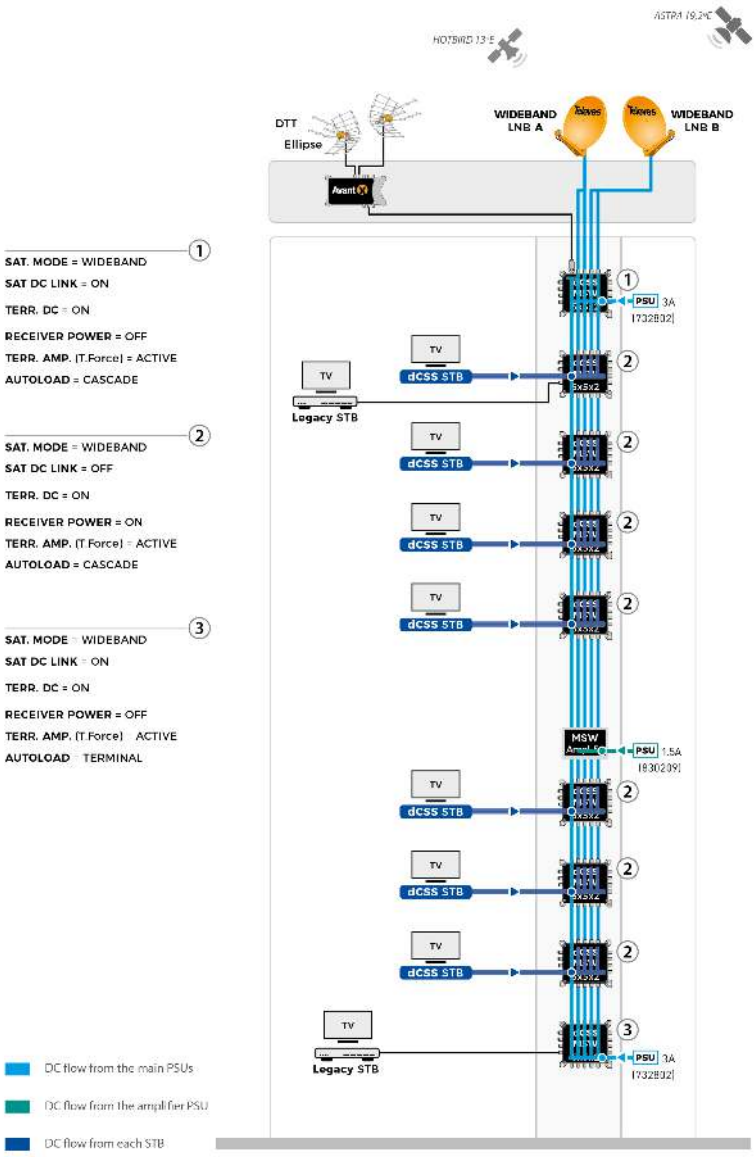
services to be delivered to the end users of the installation.

- **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

Full dCSS cascade system installation (2 satellites)

The first MSW PSU powers its satellite trunk lines, WideBand LNBs and te upper terrestrial trunk line; while the PSU connected to the latest dCSS MSW powers its satellite trunk lines, the cascade MSWs and the lower terrestrial trunk line.
Some dCSS MSWs ubicated in the installation are locally powered by dCSS STBs connected to them, so no PSUs are needed.
The cascade amplifiers are powered by their own PSU.


HOTBIRD 13°E
ASTRA 19.2°E
DTT
Ellipse
WIDEBAND LNB A
WIDEBAND LNB B
SAT. MODE = WIDEBAND
SAT DC LINK = ON
TERR. DC = ON
RECEIVER POWER = OFF
TERR. AMP. (T.Force) = ACTIVE
AUTOLOAD = CASCADE
SAT. MODE = WIDEBAND
SAT DC LINK = OFF
TERR. DC = ON
RECEIVER POWER = ON
TERR. AMP. (T.Force) = ACTIVE
AUTOLOAD = CASCADE
SAT. MODE = WIDEBAND
SAT DC LINK = ON
TERR. DC = ON
RECEIVER POWER = OFF
TERR. AMP. (T.Force) = ACTIVE
AUTOLOAD = TERMINAL
PSU 3A
PSU 1.5A
MSW
TV
dCSS STB
Legacy STB
DC flow from the main PSUs
DC flow from the amplifier PSU
DC flow from each STB

Technical specifications : Ref. 730902

Number of inputs		5	
Number of outputs		5	
Bands		TERR	SAT
Frequency range	MHz	47 ... 862	950 ... 2400
Output level	dBµV	114	118
Gain	dB	27	29
Gain adjustment range	dB	0 ... 13	
Slope regulation	dB	0 ... 12	
Isolation	dB	> 25	
Powering	Vdc	12 ... 18	
Max current consumption (@12V)	mA	370	
Max current consumption (@18V)	mA	245	
Max. power consumption	W	4.4	
Operating temperature	°C	-5 ... 45	
Protection index (IP)		20	