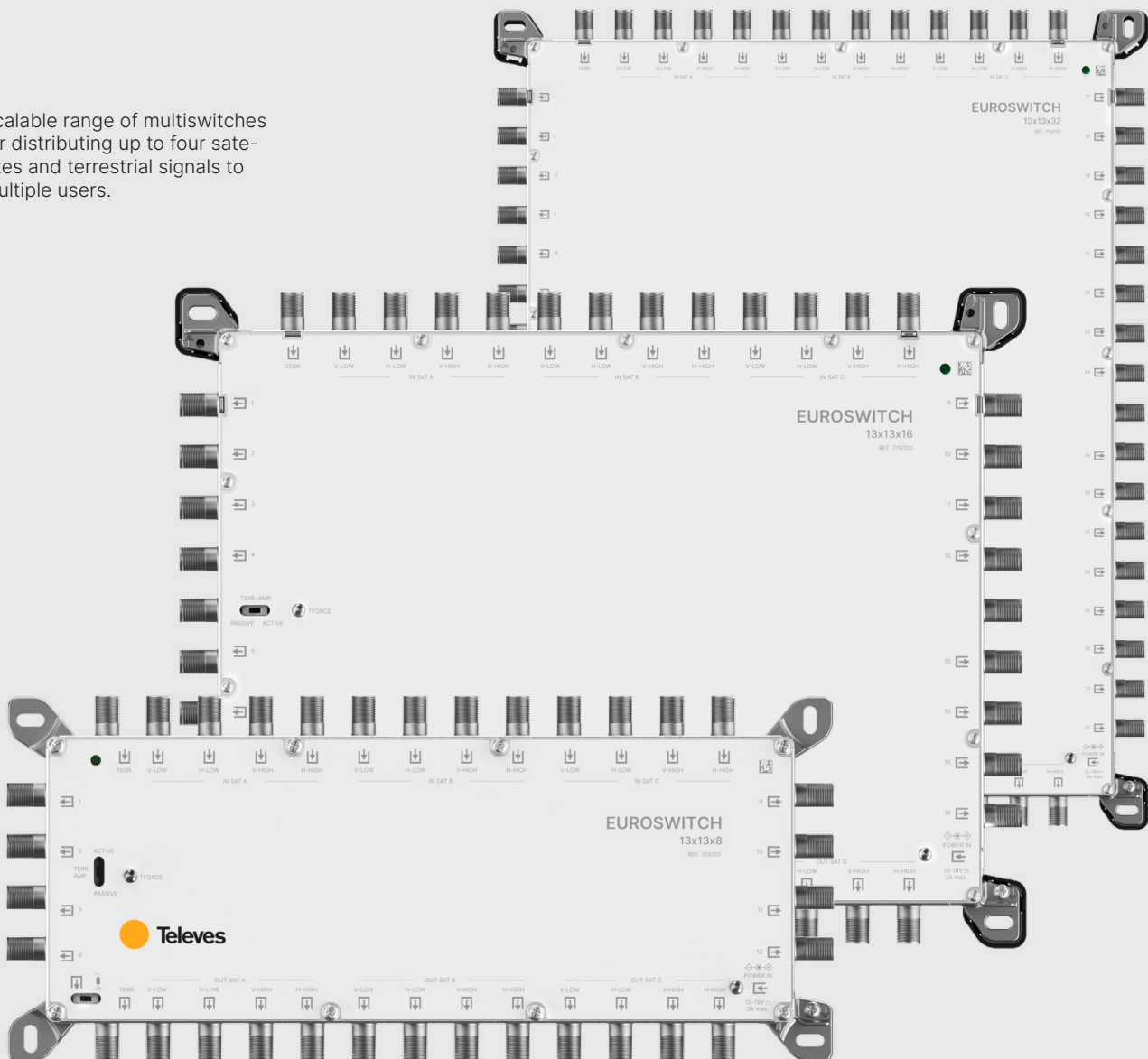


EUROSWITCH

Compact and effective
for large installations

Scalable range of multiswitches
for distributing up to four sate-
llites and terrestrial signals to
multiple users.



Optimized satellite and terrestrial distribution

EuroSwitch is a universal and flexible range of multiswitches that allows signal distribution to multiple users from one (5x), two (9x), three (13x) or up to four (17x) satellites combined with the terrestrial signal.

Thanks to its compact size and optimized electronic design, it offers very low tap and through losses, reducing the number of amplifiers required and providing a much more balanced signal between users, even in large collective installations.

- **Compact in size and weight**, even in models with the highest number of users.
- **Very low tap and through losses**, avoiding the need to use a large number of amplifiers in large installations.
- **Versatility**: switch to change operation between cascade and terminal modes.
- **TForce® technology**: the device continuously adjusts the terrestrial output signal to the optimum level.
- Made of Zamak, providing **high shielding (Class A)**. In addition, they provide **high isolation** between their inputs and outputs.
- **Power supply flexibility**: the power supply can be connected at any point in the cascade to power the remaining devices.
- Wide **12 to 18 V power supply range** and up to 3 A, compatible with most installations and capable of powering entire cascades with a single power supply.
- **ECO mode**: the device reduces power consumption as the number of connected users decreases.
- Design, quality and manufacturing **100% European**



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Adaptable to any installation

The multiple integrated switches provide control and great flexibility to adapt to any type of installation.

1. TERR. DC (ON/OFF)*

Isolates or supplies power through the terrestrial trunk, allowing a mast amplifier or smart antenna to be powered without an additional power supply. It can also be used to power the terrestrial line of other multiswitches in the cascade.

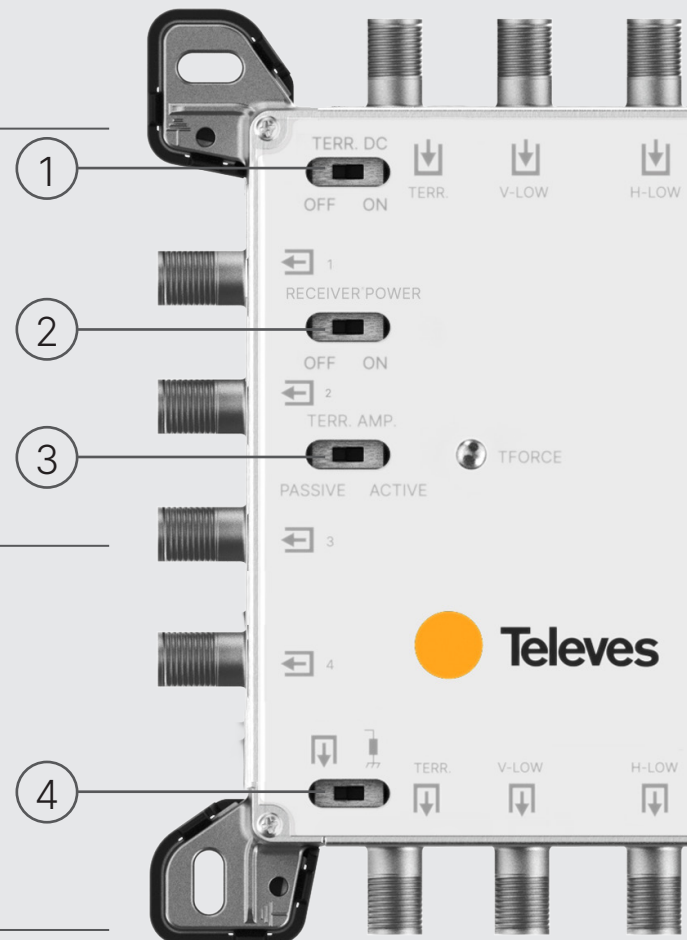
2. RECEIVER POWER (ON/OFF)*

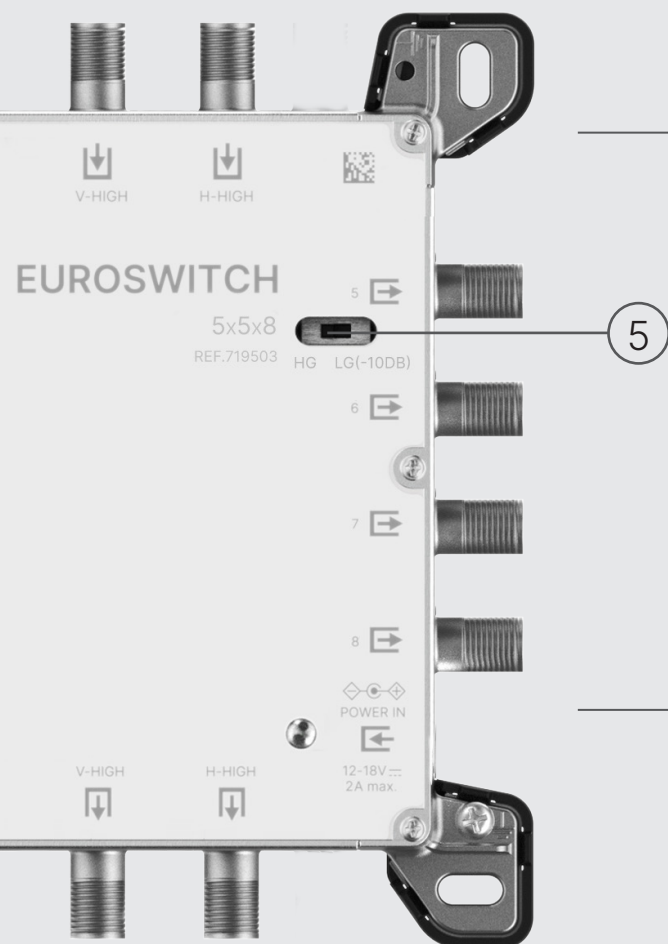
Controls current flow from the user outputs to the multiswitch. When current flow is enabled, the device can be powered from the Set-Top Box (if it provides sufficient power) or from a power injector.

3. TERR. AMP. (ACTIVE/PASSIVE)

Controls the intelligent adjustment of the terrestrial output level, thanks to TForce® technology, based on MMIC components and designed exclusively by Televes.

- It can be enabled or disabled using the corresponding switch, making the multiswitch an **active or passive element for the terrestrial signal**.
- In active mode, the multiswitch **automatically adjusts the** terrestrial output signal to the optimum level at all times.
- In addition, this optimum level remains balanced at each user output throughout the cascade.





4. AUTOLOAD

Activates the load on the through outputs, providing versatility by allowing the multiswitch to adapt to the required topology:

- **Cascade mode:** Allows the signal to be distributed to lower floors with minimal through loss.
- **Terminal mode:** Activates the internal 75 Ω loads in standalone installations or at the end of the cascade, preventing signal reflections.

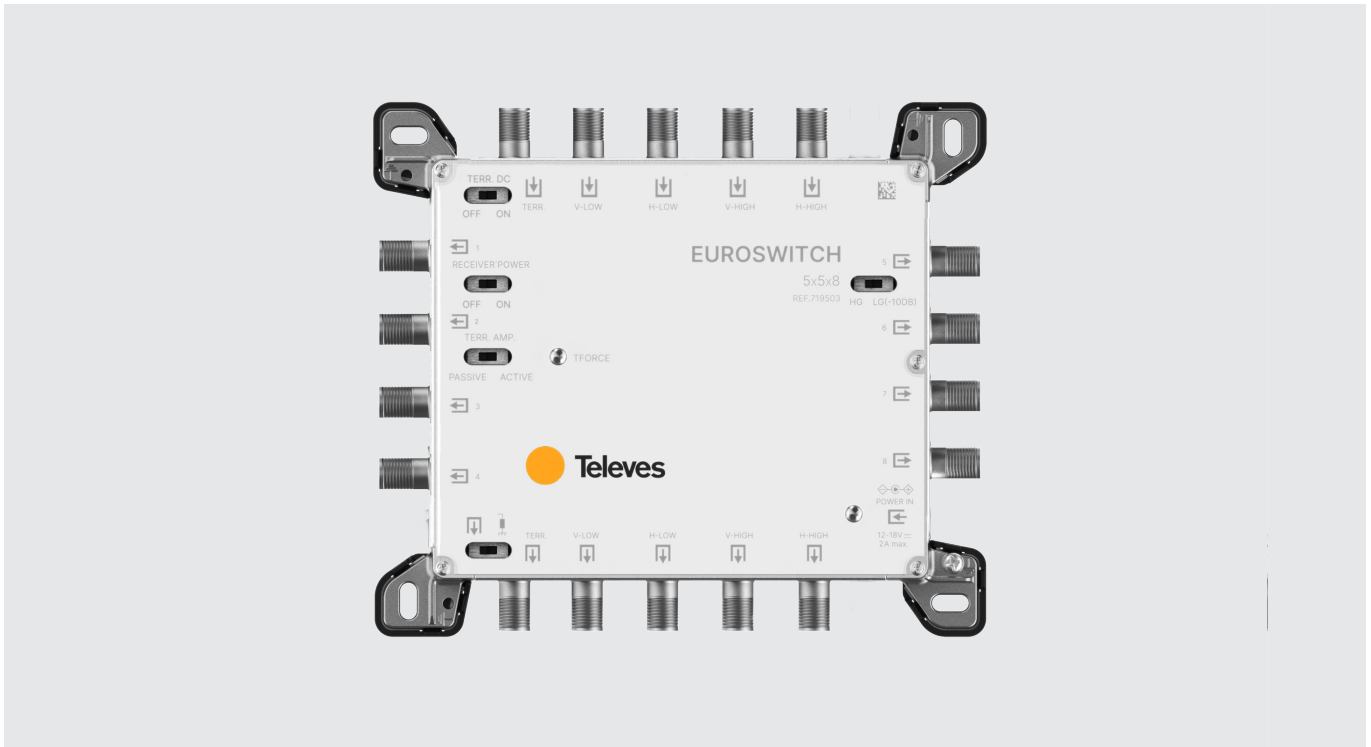
5. SAT GAIN (HG/LG)**

Attenuates the satellite signal level by 10 dB, reducing existing level differences and allowing higher signal input levels (up to 100dB μ V). On models with more than 8 outputs, the attenuation of two user groups can be managed independently thanks to a second switch.

*Available on 5x models (71950x)

**Available on 5x (71950x) and 9x (71960x) models

5-input multiswitches (1 satellite)

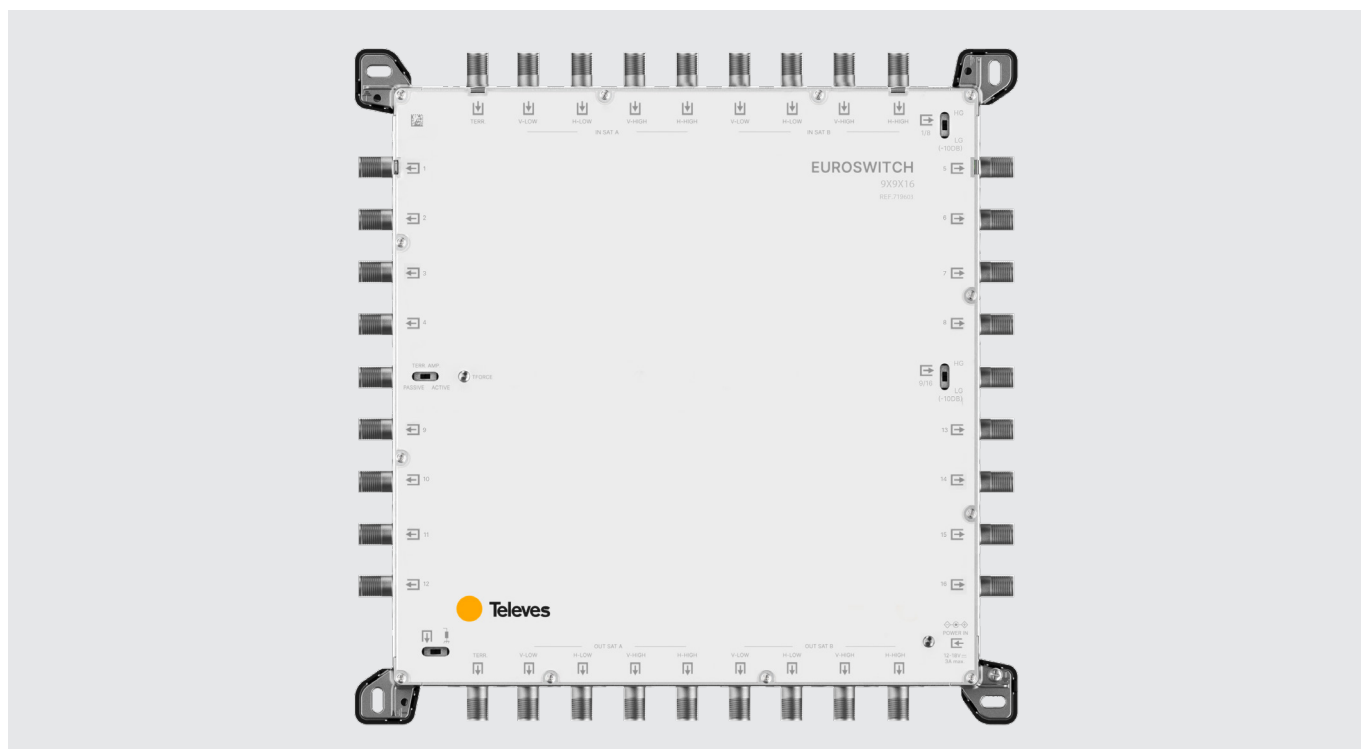


The EuroSwitch 5x range is designed to distribute one satellite together with terrestrial signals, with models from 4 to 32 user outputs.

These devices feature two exclusive switches: “TERR. DC” and “RECEIVER POWER”, specifically designed to simplify power supply in small installations and single-family homes. In addition, the “SAT GAIN” switch helps balance the satellite signal level between users.

Reference		719501	719502	719503	719504	719505	719506	719507
Number of user outputs		4	6	8	12	16	24	32
TERR. frequency range	MHz	88 ... 862						
SAT. frequency range	MHz	950 ... 2400						
TERR. input level	dBμV	80 ... 110						
SAT. input level	dBμV	65 ... 112						
TERR. through loss	dB	<2			<4		<4,5	<5
SAT. through loss	dB	<2			2 ... 3,5		3 ... 5,5	4 ... 6,5
TERR. tap loss Active	dB	0 ... 4					2 ... 6	5 ... 9
TERR. tap loss Passive	dB	32					34	36
SAT. tap loss HG	dB	2 ... 7						
SAT. tap loss LG	dB	12 ... 14						
Output level 10Ch DVB-T	dBμV	78						
Dimensions (xyz)	mm	137×120×30			144×218×30		144×285×30	144×353×30
Weight	g	362			596		776	956

9-input multiswitches (2 satellites)

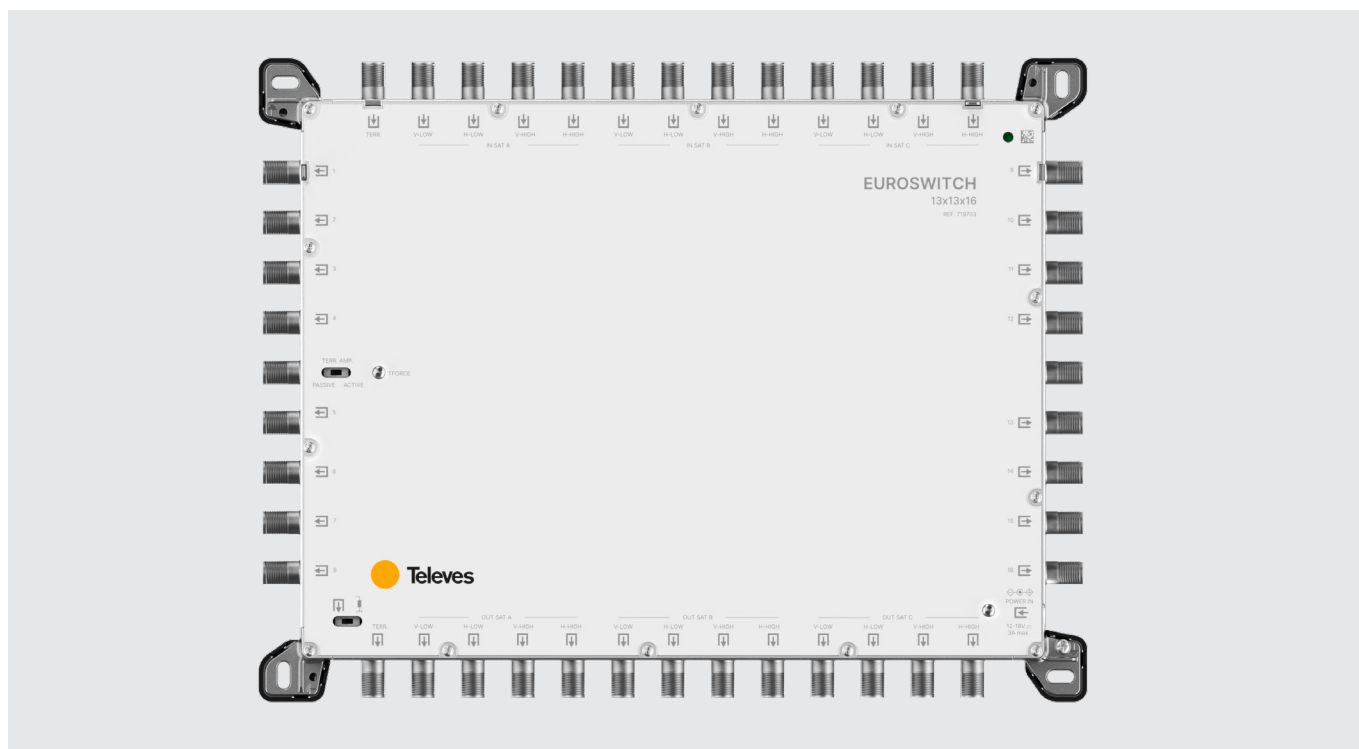


The EuroSwitch 9x range is designed to distribute two satellites together with terrestrial signals, with models from 8 to 32 user outputs.

They include "SAT GAIN" switches to compensate for satellite signal level differences between floors of the building, providing a balanced signal level to all users in the cascade.

Reference		719601	719602	719603	719604	719605
Number of user outputs		8	12	16	24	32
TERR. frequency range	MHz	88...862				
SAT. frequency range	MHz	950...2400				
TERR. input level	dBμV	80...110				
SAT. input level	dBμV	65...112				
TERR. through loss	dB	<2	<4		<4,5	<5
SAT. through loss	dB	<2	2...3,5		3...5,5	4...6,5
TERR. tap loss Active	dB	0	1		3	
TERR. tap loss Passive	dB	30	32		35	
SAT. tap loss HG	dB	0				
SAT. tap loss LG	dB	8...14				
Output level 10Ch DVB-T	dBμV	78				
Dimensions (xyz)	mm	205×120×30	210×218×30		210×285×30	210×353×30
Weight	g	560	813		1007	1221

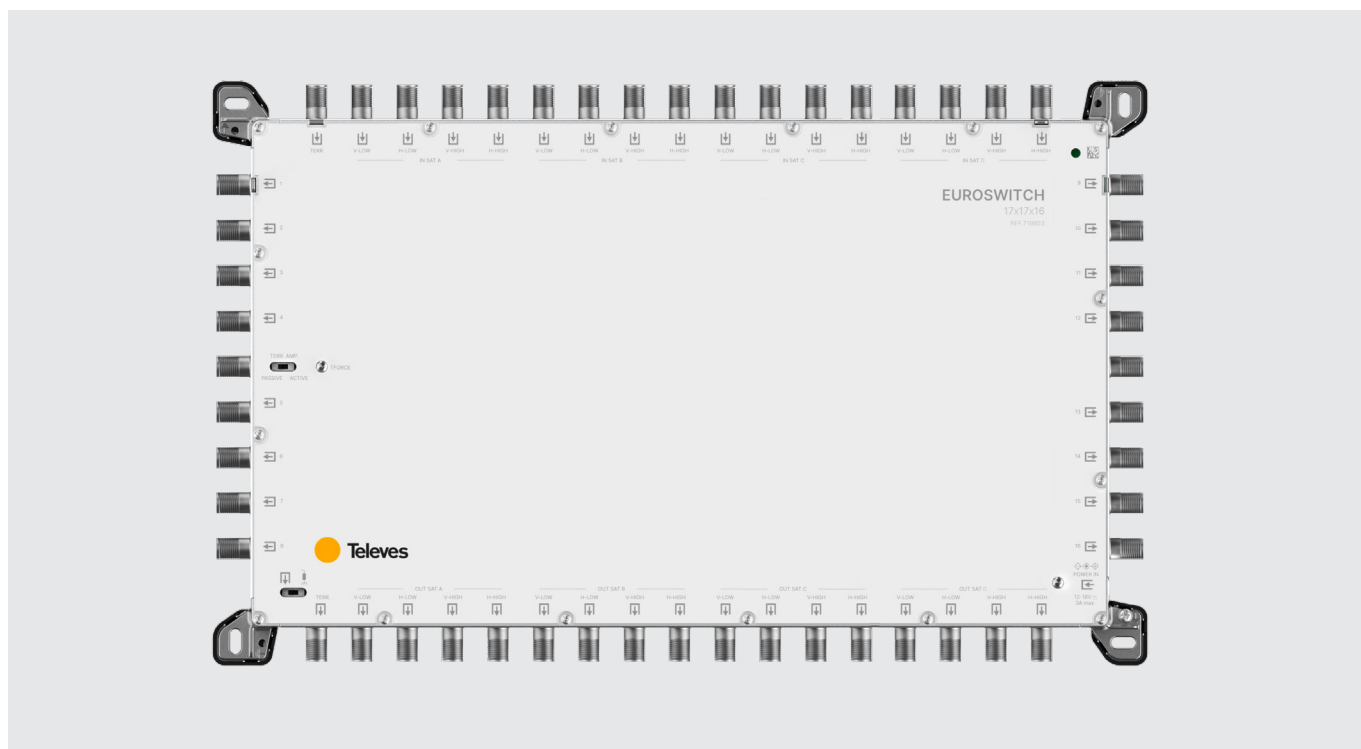
13-input multiswitches (3 satellites)



The EuroSwitch 13x range is designed to distribute three satellites together with terrestrial signals, with models from 8 to 32 user outputs.

Reference		719701	719702	719703	719704	719705
Number of user outputs		8	12	16	24	32
TERR. frequency range	MHz	88...862				
SAT. frequency range	MHz	950...2400				
TERR. input level	dBμV	80...110				
SAT. input level	dBμV	65...112				
TERR. through loss	dB	<2	<4		<4,5	<5
SAT. through loss	dB	<2	2...3,5		3...5,5	4...6,5
TERR. tap loss Active	dB	0			2	5
TERR. tap loss Passive	dB	32			34	36
SAT. tap loss	dB	2...7				
Output level 10Ch DVB-T	dBμV	78				
Dimensions (xyz)	mm	275×120×30	280×215×30		280×286×30	280×352×30
Weight	g	610	1006		1267	1540

17-input multiswitches (4 satellites)



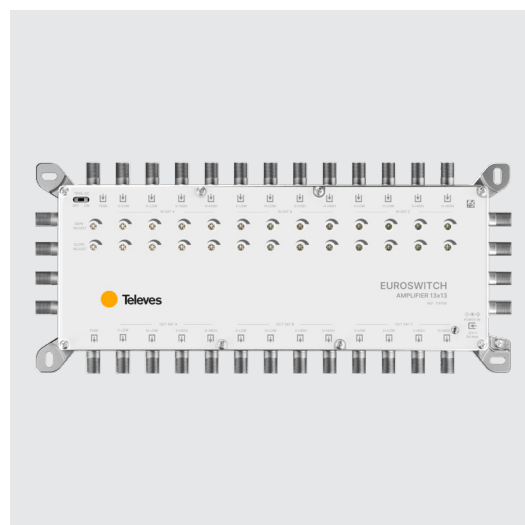
The EuroSwitch 17x range is designed to distribute four satellites together with terrestrial signals, with models from 8 to 32 user outputs.

Reference		719801	719802	719803	719804	719805
Number of user outputs		8	12	16	24	32
TERR. frequency range	MHz	88...862				
SAT. frequency range	MHz	950...2400				
TERR. input level	dBμV	80...110				
SAT. input level	dBμV	65...112				
TERR. through loss	dB	<2	<4		<4,5	<5
SAT. through loss	dB	<2	2...3,5		3...5,5	4...6,5
TERR. tap loss Active	dB	0			2	5
TERR. tap loss Passive	dB	32			34	36
SAT. tap loss	dB	2...7				
Output level 10Ch DVB-T	dBμV	78				
Dimensions (xyz)	mm	350×120×30	350×218×30		350×285×30	350×353×30
Weight	g	880	1200		1506	1800

Amplifiers

The EuroSwitch series is complemented by a range of amplifiers available in 5x, 9x, 13x and 17x variants. This solution ensures optimal signal distribution even in multi-storey buildings and large hotels with hundreds of users.

- Its optimized electronics provide high gain in a compact chassis.
- They feature a “TERR. DC” switch to power mast amplifiers and smart antennas through the terrestrial trunk.
- Fine adjustment of up to 20 dB in gain and 12 dB in equalization, independently for each input.



Reference		714508	714509	719609	719709	719809
Number of inputs		5		9	13	17
Number of outputs		5		9	13	17
TERR. frequency range	MHz	47...862		88...862		
SAT. frequency range	MHz	950...2400				
TERR. output level	dBμV	114				
SAT. output level	dBμV	118				
TERR. gain	dB	10	27			
SAT. gain	dB	11	31			
Gain adjustment range	dB	0...15		0...20		
Slope adjustment	dB	0...12				
Dimensions (xyz)	mm	137×121×29		208×120×45	275×122×28	350×120×30
Weight	g	364	366	546	610	880

Power supplies

High-efficiency power supplies with a compact design, available in different voltages and current ratings to meet the requirements of each installation. Compatible with the entire EuroSwitch range thanks to the wide 12 to 18 V power supply range.

Power supplies	
732101	Power Supply Unit 12V-0.8A
732210	Power Supply Unit 12V-1.5A (UK plug)
732802	Power Supply Unit 12.5V-2.8A
732001	Power Supply Unit 18V-2A
732010	Power Supply Unit 18V-2A (UK plug)

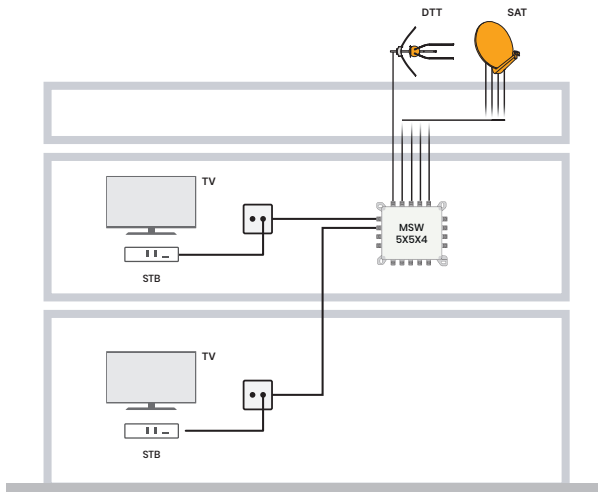




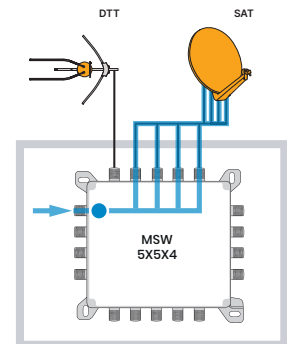
Installation in a single-family home (1 satellite)

The LNB and multiswitch are powered through the user output by the Set-Top-Box, with the "RECEIVER POWER" switch enabled.

No power supply is required.



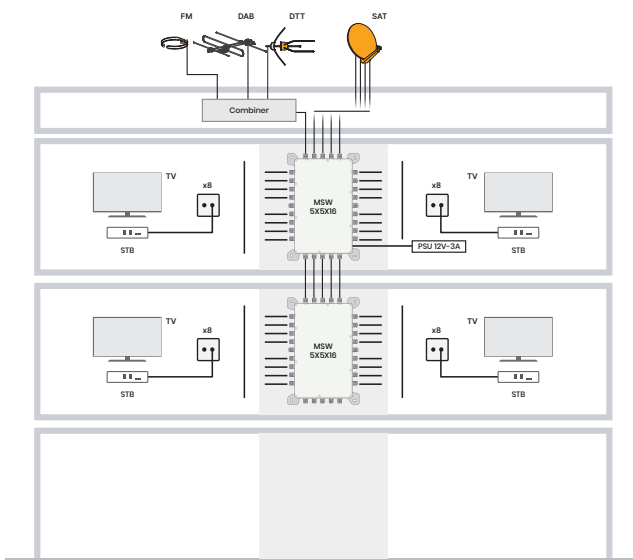
TERR. DC = OFF
RECEIVER POWER = ON
TERR. AMP. = PASSIVE
AUTOLOAD = TERMINAL



Installation in a small multi-dwelling building (1 satellite)

The LNB, terrestrial antenna and all multiswitches in the cascade are powered by a single 3 A power supply.

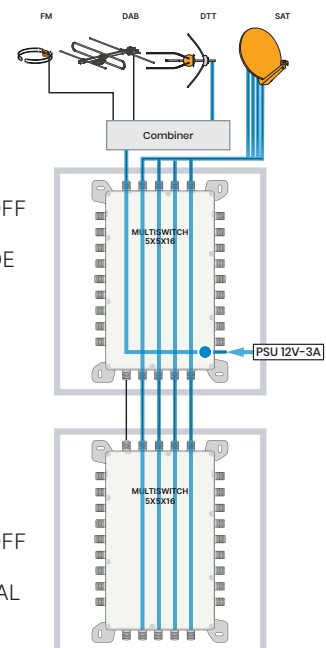
With the "RECEIVER POWER" switch disabled, the STBs are isolated from the cascade power supply and protected against overvoltage.



TERR. DC = ON
RECEIVER POWER = OFF
TERR. AMP. = ACTIVE
AUTOLOAD = CASCADE

TERR. DC = OFF
RECEIVER POWER = OFF
TERR. AMP. = ACTIVE
AUTOLOAD = TERMINAL

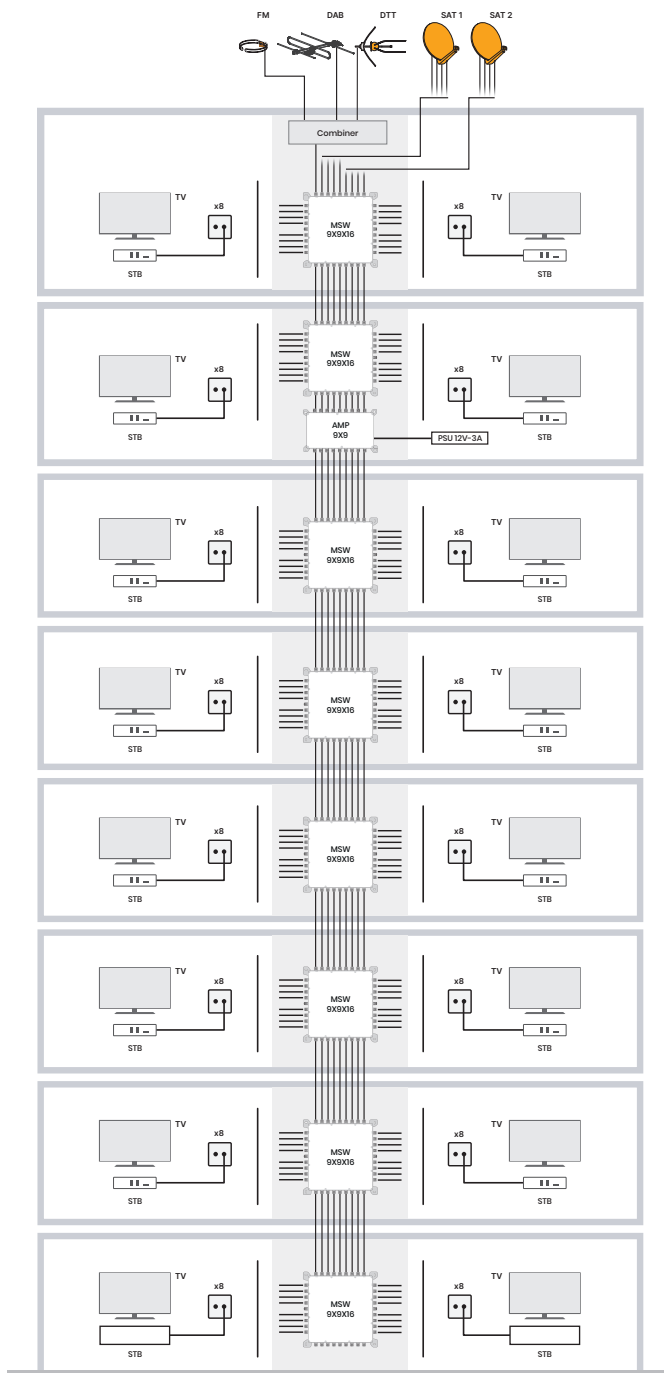
DC flow



Installation in a multi-dwelling building (2 satellites)

The LNBs, terrestrial antenna and all elements in the cascade are powered by a single 3 A power supply.

If an amplifier is used in the installation, it is the recommended element on which to connect the power supply.



TERR. AMP. = ACTIVE
AUTOLOAD = CASCADE

TERR. AMP. = ACTIVE
AUTOLOAD = CASCADE

TERR. DC = ON

TERR. AMP. = ACTIVE
AUTOLOAD = CASCADE

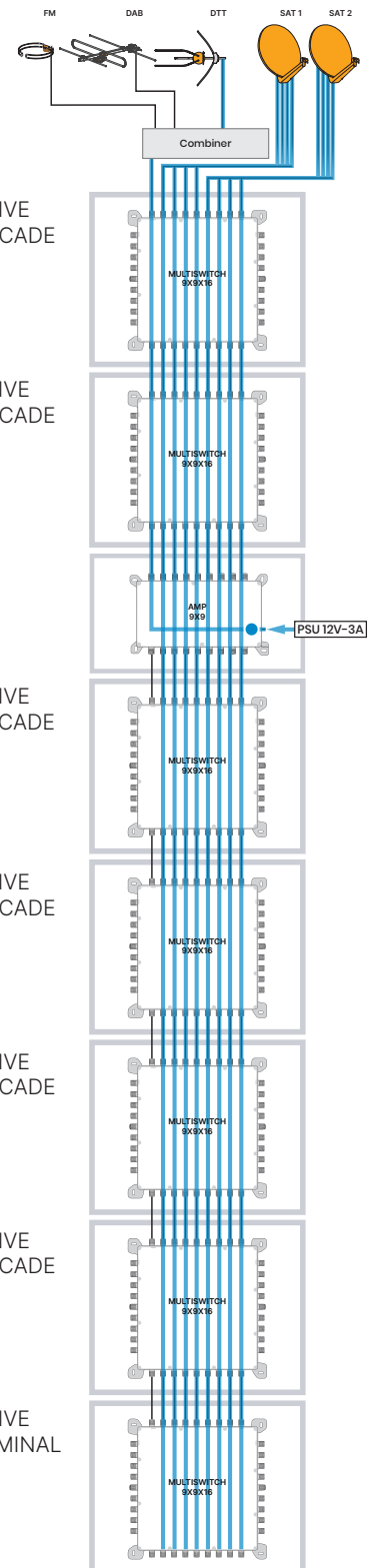
TERR. AMP. = ACTIVE
AUTOLOAD = CASCADE

TERR. AMP. = ACTIVE
AUTOLOAD = CASCADE

TERR. AMP. = ACTIVE
AUTOLOAD = CASCADE

TERR. AMP. = ACTIVE
AUTOLOAD = TERMINAL

DC flow

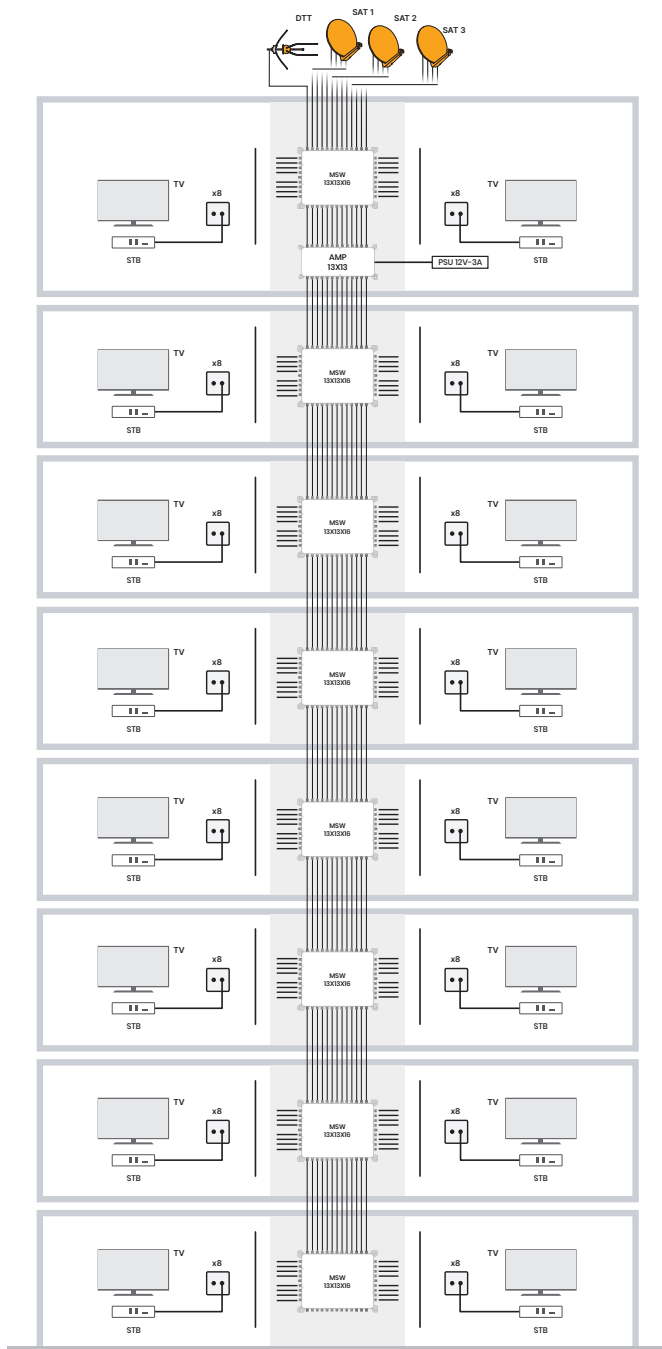




Installation in a medium-sized hotel (3 satellites)

The LNBs, terrestrial antenna and all elements in the cascade are powered by a single 3 A power supply.

If an amplifier is used in the installation, it is the recommended element on which to connect the power supply.



TERR. AMP. = ACTIVE
AUTOLOAD = CASCADE

TERR. DC = ON

TERR. AMP. = ACTIVE
AUTOLOAD = CASCADE

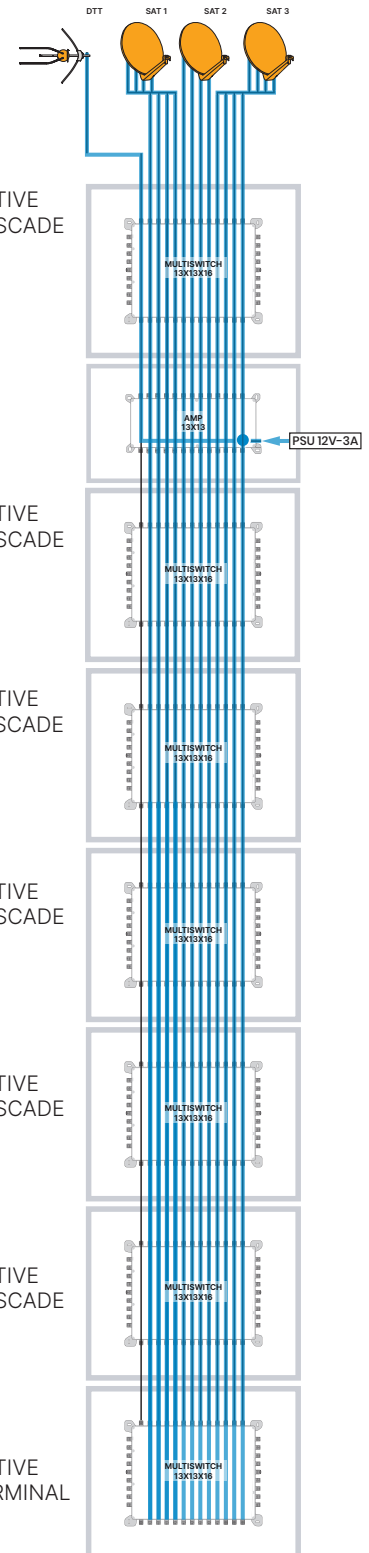
TERR. AMP. = ACTIVE
AUTOLOAD = CASCADE

TERR. AMP. = ACTIVE
AUTOLOAD = CASCADE

TERR. AMP. = ACTIVE
AUTOLOAD = CASCADE

TERR. AMP. = ACTIVE
AUTOLOAD = CASCADE

TERR. AMP. = ACTIVE
AUTOLOAD = TERMINAL

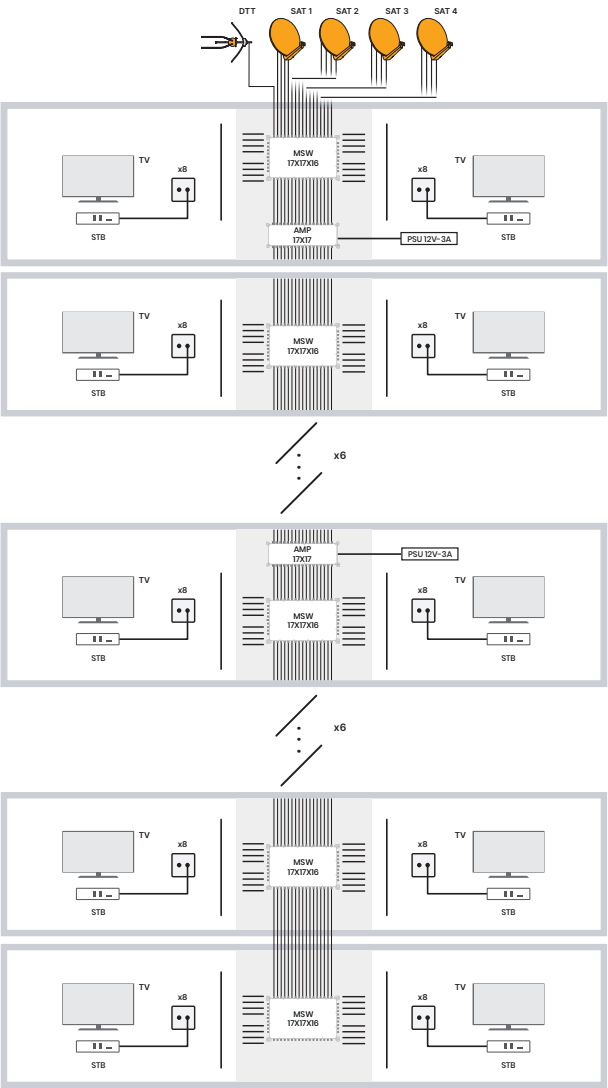


DC flow

Installation in a large building (4 satellites)

The LNBs, terrestrial antenna and all elements in the cascade are powered by several 3 A power supplies.

The number of power supplies required will be calculated according to the total power consumption of the installation.



TERR. AMP. = ACTIVE
AUTOLOAD = CASCADE

TERR. DC = ON

TERR. AMP. = ACTIVE
AUTOLOAD = CASCADE

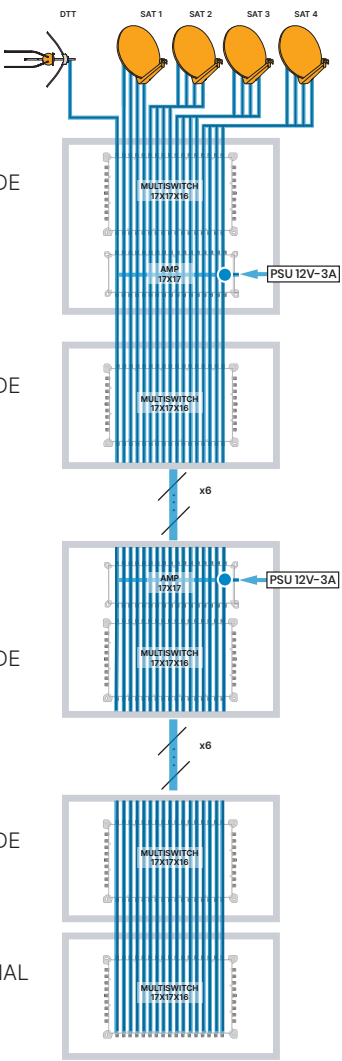
TERR. DC = ON

TERR. AMP. = ACTIVE
AUTOLOAD = CASCADE

TERR. AMP. = ACTIVE
AUTOLOAD = CASCADE

TERR. AMP. = ACTIVE
AUTOLOAD = TERMINAL

DC flow



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