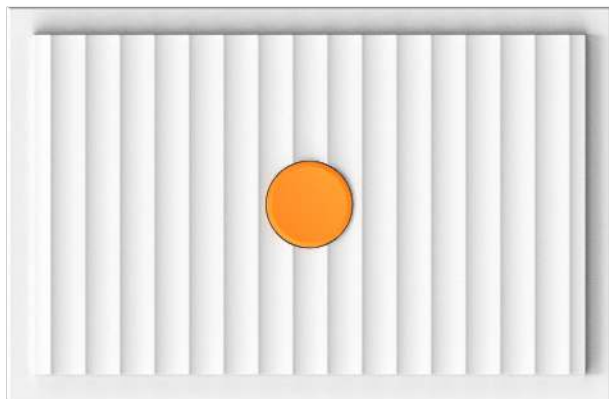




Preamp 3: 1-Input Mast Amplifier with BOSS-Tech and Ultra-Low Noise Figure + 2-Output Power Supply, Low-VHF/High-VHF/UHF (Repack Ready)

Preamp 3 is a mast-mounted amplifier designed for single-family homes. It amplifies Low-VHF, High-VHF, and UHF signals received from a single over-the-air antenna and is optimized for the **Repack Ready frequency plan**, rejecting signals above channel 36 (608 MHz).

The amplifier features **BOSS-Tech**, which automatically adjusts the gain according to the incoming signal conditions, ensuring an optimum output level at all times.

Its **noise figure below 1dB** minimizes signal degradation during amplification, preserving a greater signal quality margin even in weak-signal areas or installations with long cable runs.

Preamp 3 is supplied with a 12 V (220 mA) indoor power supply that feeds the amplifier through the coaxial cable while allowing the TV signal to pass. The power supply also integrates a built-in 2-way splitter to provide two output connections and is UL certified (US-plug).

Ref.	560381
EAN13	8424450336069

Other features	
Colour	White

Packaging info	
Box	1 pcs.

Physical data	
Net weight	810.00 g
Gross volume	1.90 dm ³
Gross weight	890.00 g
Width	149.00 mm
Height	97.00 mm
Depth	50.00 mm

Main product weight	491.00 g
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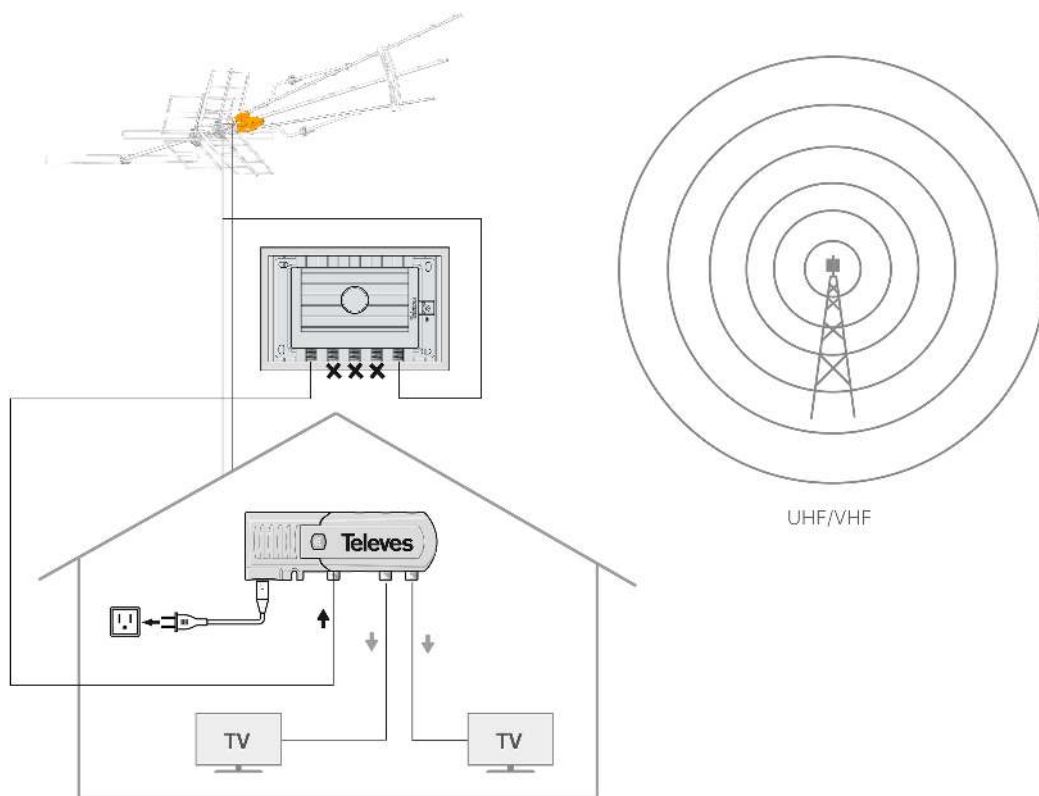
Highlights

- **Cut the cord:** Enjoy free local and national over-the-air TV channels such as ABC HD, CBS HD, FOX HD, PBS HD, The CW, Univision HD, and more
- **Repack Ready:** Rejects out-of-band interference from FM radio and 4G/5G LTE services above 608 MHz
- **Ultra-low noise figure:** Preserves signal quality from the reception stage by minimizing signal degradation
- **Automatic gain control:** Integrated BOSS-Tech continuously adjusts gain to maintain the optimum output level
- **Fully shielded:** Zamak housing protects the electronics against electromagnetic interference
- **Built for outdoor installations:** White ABS enclosure with UV protection, validated (*according to ISO 4892-3:2016*)
- **Compact design:** Simplifies mast installation while minimizing the required mounting space
- **100% Televes:** Designed, developed, and manufactured entirely in our automated facilities, ensuring outstanding quality through rigorous testing and manufacturing controls

Application example

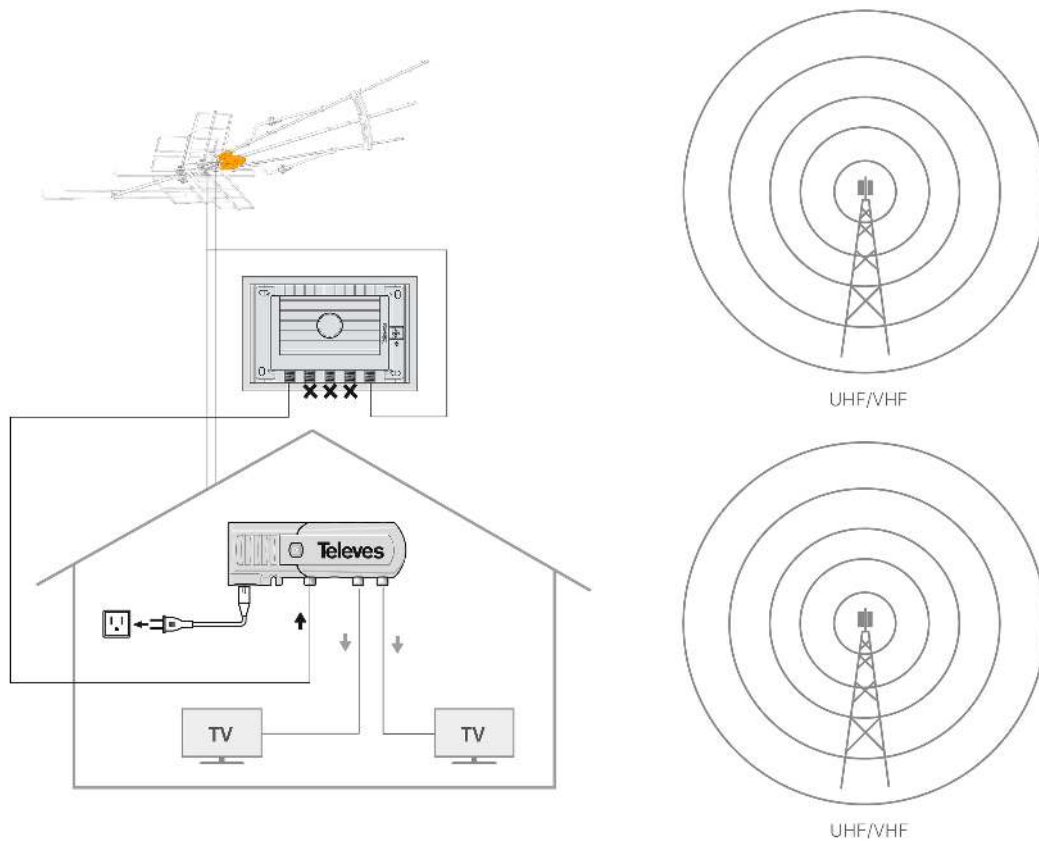
Receiving from one transmitting location using one antenna:

- The amplifier will automatically adjust its gain for each band independently over time to ensure optimum signal delivery. No configuration/settings are needed.
- The antenna used should be able to receive the desired frequency bands: LowVHF, HighVHF or UHF.



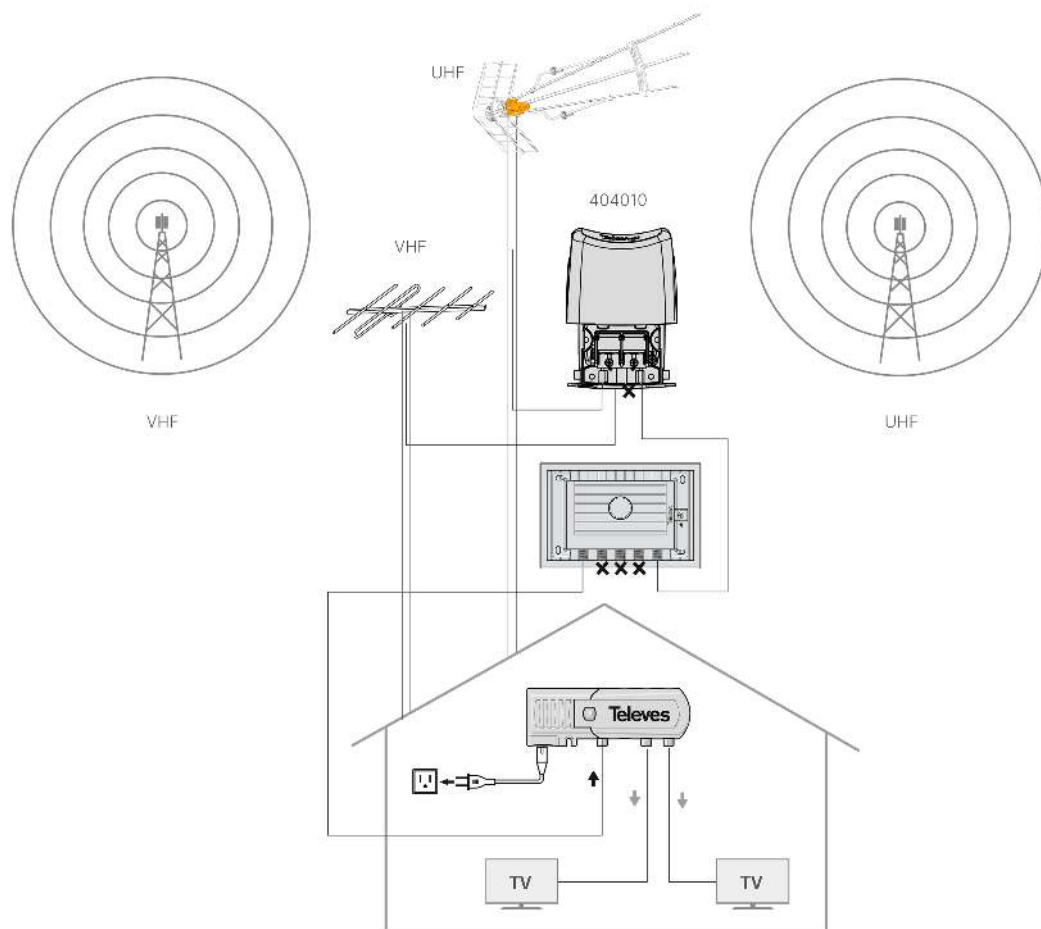
Receiving from two or more transmitting locations using one antenna:

- The amplifier will automatically adjust its gain for each band independently over time to ensure optimum signal delivery. No configuration/settings are needed.
- The antenna used should be able to receive the desired frequency bands: LowVHF, HighVHF or UHF.



Dedicated VHF and UHF antennas in fringe reception scenarios:

- To optimize the signal quality in fringe situations and when band dedicated UHF only and VHF only antennas are used, it is recommended to combine the antennas signals with a VHF/UHF diplexer (Ref. 404010) and connect the resulting feed to the amplifier



Technical specifications

Mast amplifier:

Inputs/Bands		1x (LowVHF/HighVHF/UHF)		
Frequency margin	MHz	54-88	174-216	470-608
Gain	dB	33		
Automatic gain regulation margin	dB	0 ... 15		
Output level	DIN 45004B	dBmV		
	EN 60728-3 (IMD3 2CH -35dB)	48		
Noise figure	dB	0,9		
Powering	Vdc/mA	12 / 70		
Operating temperature	°F	12 ... 120		
Protection index	IP	23		

Power supply unit:

Frequency margin	Mhz	5 - 862	
Through losses (tip.)	dB	1 Out	Main: 1.5 / Aux: ----
		2 Out	Main 4 / Aux: 4
Output voltage	V	12 ±1.5	
Max. output current	mA	220	
Min. output current	mA	30	
Mains voltage/frequency	V~ / Hz	108 - 132 / 50-60	
Max. current	mA~ / W	65 / 3.6	
Protection index	IP	20	
Operating temperature	°F	14 ... 113	