



## SmartKom intelligent mast amplifier Autoprogramming, or manual programming via Bluetooth® (ASuite)

Filters, mixes, amplifies and balances at the touch of a button

Compact and intelligent amplifier for mast installation with digital channel processing, designed for family-houses installations. Equipped with 3 inputs to amplify terrestrial signals (VHF+UHF) in which each channel can be individually filtered by any of the 32 available programmable filters. In addition, it includes an input for mixing FM radio.

The amplifier is supplied with a 12V (800mA) domestic power supply that is inserted into the coaxial installation and powers it through its output connector.

The autoprogramming function of the amplifier gives this device the ability to program and adjust by itself, simply by pressing a button. In addition, thanks to the Bluetooth® antenna included into the PSU, manual or automatic programming of the amplifier can be done wirelessly using a smartphone or tablet, with the ASuite application.

RED compliant

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**Ref.** 531911

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Logical ref.	SMARTKOMMV
EAN13	8424450266250

## Other features

Colour	White
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## Packaging info

Box	1 pcs.
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## Physical data

Net weight	700.00 g
Gross volume	1.64 dm <sup>3</sup>
Gross weight	780.00 g
Width	125.00 mm
Height	132.00 mm
Depth	41.00 mm
Main product weight	400.00 g

## Highlights

- "All-in-one" device: it combines the functions of several elements of an installation such as filters, mixers and amplifiers, supplying a complete signal distribution under a single coaxial cable
- Plug&Play: the amplifier automatically program and adjusts the channel level by pressing the autoprogramming button. In addition, SmartKom automatically powers the antenna in case the signal requires it
- Digital processing of the channels: a perfect balance of signal level between different channels is obtained at the output
- Automatic gain regulation of signal in each filter (AGC)
- Great signal quality: the installation of this device immediately after a [Televés intelligent antenna](#) prevents signal degradation and results in the best quality
- High selectivity digital filters (28dB@1MHz)
- SAW filter (Surface Acoustic Wave) included for high rejection of 4G/5G telephone interferences
- Indoor power supply included, with a **Bluetooth®** antenna for wireless manual programming of the amplifier
- Wireless manual or automatic programming (via **Bluetooth®**) through a smartphone or tablet with the ASuite app, avoiding having to physically go to the mast

- Secure configuration: in case of electrical failure SmartKom saves the current configuration, avoiding configuring it again
- High output level
- EasyF connection system: a reliable and safe system, saving installation time and without the need for additional connectors
- LEDs indicators displaying both adjustment and programming status on the amplifier and on the power supply
- High shielding chassis, made of Zamak
- A white ABS-plastic enclosure is included for outdoor installation, featuring high resistance and UV protection validated under ISO 4892-3:2016
- 100% European design and manufacturing: fully automated manufacturing, subject to the most stringent quality controls

## Discover

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### **EasyF connection system: simplicity and savings**

EasyF is an innovative connection concept where the inner conductor of the coaxial cable is directly inserted in the device, thus improving connection reliability. Thanks to the absence of F connectors, the chassis can be reduced and the connection of two cables secured with a single screw.

- Real time savings: speeding the installation is possible without the need for coaxial cable termination. Furthermore, there is no need for screwing the connectors on the device, which is sometimes difficult when there is little room
- Connection reliability: the clamp holding the cables prevents the coaxial cable to come off
- Cost savings: no additional connectors are required (neither F nor IEC)
- Space optimization: inputs and outputs are always on the same side of the device to prevent coaxial cables from bending, and to make working inside cabinets and register boxes easier
- Very easy three-step mounting: only screwing and unscrewing the covers is required to connect both cables:

1. Unscrew the device's cover to access the connection

2. Insert the previously stripped coaxial cables
3. Close the cover and screw to ensure connection

## **Learn more about EasyF system reliability**

With EasyF, the connection between the coaxial cable and the device is carried out using an automated system for contact insertion of the inner conductor, without any soldering.

- Always as new: the device's operating life increases when the factor of solder wearing out with time is removed
- Failure rate reduction: usually produced as a result of cold soldering joints
- Electromagnetic behaviour optimization: for high frequencies
- Our commitment with environment is reinforced: pollution caused by the welding process is eliminated and production power consumption is reduced

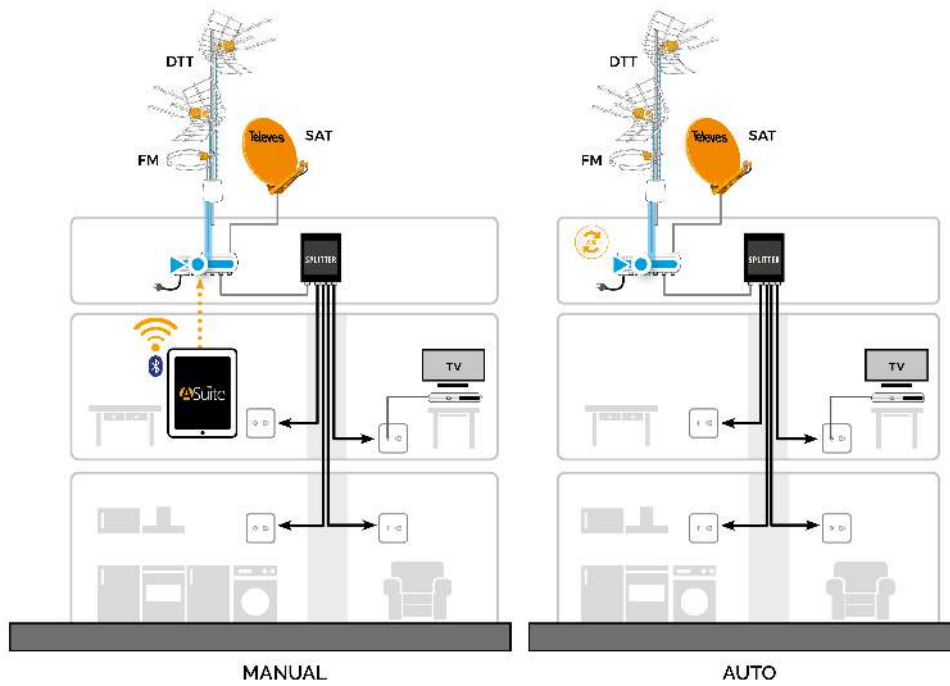
## **Application example**

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### **SmartKom mast amplifier installation in a single family house**

The device is installed on the antenna mast and is powered through the coaxial output connector.

The PSU is located indoors and includes a Bluetooth® antenna to wireless program with ASuite App.



## Technical specifications : Ref. 531911

Number of inputs			4	
Number of outputs			1	
Bands		FM	VHF	UHF
Frequency range	MHz	87.5 ... 108	174 ... 230	470 ... 694
Input level	dBmV	--	-20 ... 20	-20 ... 20
Gain	dB	-1	45	45
Gain adjustment range		--	AGC	AGC
Max. number of filters		--	32	32
Channels per filter		--	1	1
Channels		--	5 ... 12	21 ... 48
Filtered channel level regulation		--	AGC per filter	AGC per filter
Selectivity	dB	> 20* <sup>1</sup>	28 * <sup>2</sup>	28 * <sup>3</sup>
Output level	dBmV	--	22	25
Vout regulation	dBmV	--	-3 ... 22	0 ... 25
Manual regulation per filter	dB	--	-3 ... 3	-3 ... 3
Noise figure	dB	--	7	6
Powering per inputs	Vdc		12	
Max current input	mA		70	
Max. current	mA		500	
Protection index (IP)			23	
Operating temperature	°F		23 ... 113	
PSU frequency range TV-MIX	MHz		47 ... 862	
PSU frequency range SAT-MIX	MHz		950 ... 2150	
PSU output voltage	Vdc		12	
Max PSU output current	mA		800	
PSU insertion losses	dB		< 2	
PSU input voltage	Vac		220 ... 230	
Max PSU current input	mA		130	
Max. PSU power consumption	W		14	
PSU protection index			23	
PSU operating temperature	°F		23 ... 113	

\*<sup>1</sup> @20MHz

\*<sup>2</sup> With adjacent channels: 28dB (@1MHz) // Without adjacent channels: 12 dB (@8MHz)

\*<sup>3</sup> With adjacent channels: 28dB (@1MHz) // Without adjacent channels: 12 dB (@8MHz)