



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

The rotor-killer solution

Compact high technology preamplifier with digital channel processing, designed for outdoors installation in family-houses. Equipped with 3 inputs, it combines and amplifies these terrestrial signals (VHF+UHF) to bring in stations from different sites. Each channel can be individually filtered and adjusted by any of the 32 available programmable filters.

SmartKom is supplied with a 12V (750mA) domestic power supply that is inserted into the coaxial installation and powers it through its output connector.

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

Ref.	531981
EAN13	8424450272909

Packing

Box	1 pcs.
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Physical data

Net weight	850.00 g
Gross weight	900.00 g
Width	135.00 mm
Height	127.00 mm
Depth	50.00 mm
Main product weight	525.00 g

Highlights

- "All-in-one" device: it combines the functions of several functions needed in an installation including filters, combiners and amplifiers, supplying a complete signal distribution under a single coaxial cable
- Plug&Play: the preamplifier automatically programs the signals from the 3 inputs and optimally adjusts all channels from each antenna simply by pressing the autoprogramming button. In addition, SmartKom automatically powers the antenna in case the signal requires it
- Automatic gain regulation of signal in each filter (AGC) and wide dynamic range in each filter adjusts all carriers to the same power
- Great signal quality: its digital processing minimizes severe signal loss, co-channel interference, as well as multipath and phasing interference common with conventional splitters/combiners
- Compatible with existing HDTV signals and UHD 4K stations (NextGen TV / ATSC 3.0)
- Undesired out of band and cell phone LTE/5G signals are filtered to avoid interference
- Wireless manual or automatic programming (via **Bluetooth®**) is also available for a more personalized configuration. Use a smartphone or tablet with the ASuite app to avoid having to go to the mast

Main features

- Static installation: SmartKom does not require moving mechanical parts that are prone to failure
- Secure configuration: in case of loss of power, SmartKom saves the current configuration,

avoiding the need to configure it again

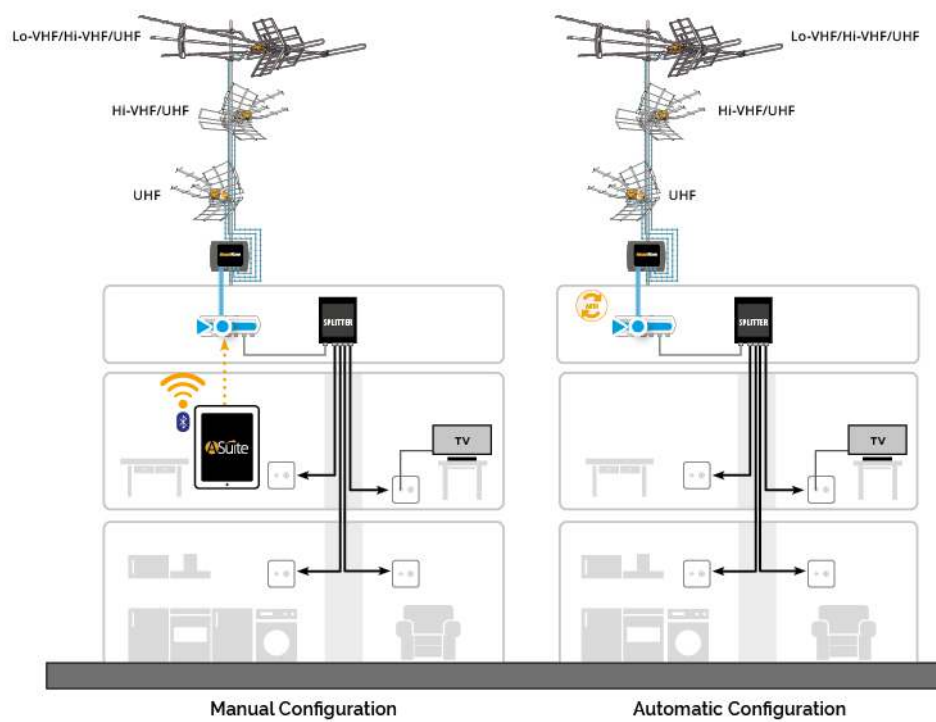
- Remote powering, through the coaxial cable
- High output level
- "F" type connectors
- LEDs indicators displaying both adjustment and programming status on the preamplifier and on the power supply
- High shielding chassis, made of Zamak
- Weather resistant: the device is housed inside a sturdy weather resistant case
- 100% European design and manufacturing: fully automated manufacturing, subject to the most stringent quality controls

Application example

SmartKom preamplifier 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 the solution with ASuite App.



Technical specifications

SMARTKOM PREAMPLIFIER		Ref. 531980
Inputs/Bands		3x VHF+UHF
Frequency range	MHz	54-88 (Lo-V) 174-216 (Hi-V) 470-608 (UHF)
Input dynamic range	dBmV	-20...30
Maximum gain	dB	45
Gain regulation	dB	AGC
Number of filters		32
Channels per filter		1
Channel/filter programming		2-6 (Lo-V) 7-13 (Hi-V) 14-36 (UHF)
Filtered channel level regulation		AGC per filter
Selectivity	dB	>50 @±6MHz*
Output level	dBmV	22 (VHF) 25 (UHF)
Vout regulation	dBmV	-3...22 (VHF) 0...25 (UHF)
Manual regulation	dB	±3
Powering inputs	Vdc	12 (AUTO/ON/OFF)
Max. consumption inputs	mA	70
Max. consumption	mA	500 (@12V w/o DC IN)
Protection index	IP	23
Operating temperature	°F	23 ... 113

*With adjacent channels: >30 @±1MHz

POWER SUPPLY UNIT		Ref. 550280
Input		TV-MIX
Frequency range	MHz	47 - 862
Output voltage	V	12
Maximum output current	mA	750
Insertion loss	dB	<2
Mains voltage	V~	110-120
Maximum consumption	W	14
Maximum current	mA	200
Protection index	IP	23
Operating temperature	°F	23 ... 113