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AVANT 6 programmable multiband amplifier for terrestrial signals

20 digital programmable filters (ASuite or universal programmer)

Multi-input multiband amplifier, perfect for terrestrial individual or small MDU (Multi Dwelling Unit) installations, that allows programming up to 20 digital filters on 2 VHF+UHF inputs (DTT). The multiband amplifier is equipped with 3 inputs: FM-2xVHF/UHF, and can achieve programmable amplification and balancing of the different RF inputs.

Thanks to ASuite, the multiband amplifier programming is very easy and intuitive using an Android or Windows application.

The multiband amplifier is able to detect LTE signals and automatically set the filter to channel 48 (for LTE700) or 60 (for LTE790), thanks to the automatic LTE filtering.

RED compliant

Ref.532601

Art.Nr	AVANT6
EAN13	8424450205662

Highlights

- Digital processing technology implemented on terrestrial TV signals
- Up to 20 individually programmable filters: single channel digital filtering
- Automatic signal adjustment in each filter (AGC): and output signal manual regulation
- UHF/VHF digital filters with high selectivity: 30dB rejection (@ 1MHz)
- AutoLTE: automatic internal adaptation of filters, depending on the LTE signal type (4G/5G)
- SAW filters (Surface Acoustic Wave) against LTE interferences, with the best selectivity and stability
- Compatible with DVB-T and DVB-T2
- TForce Technology: terrestrial signal level always stable and adapted to its optimum value
- Storage of several setups and cloning
- Zamak chassis provides high screening effect

- Light-weight and compact multiband amplifier with a wide range of features (225x120x55mm)
- Low power consumption: 8W
- Very easy configuration and adjustment using ASuite application for Android or Windows

Main features

- All the inputs support UHF and VHF
- Automatic balancing according to the programmed output level and equalization slope
- Allocation of filters to inputs without restraints
- VHF+UHF inputs: the output level is programmable between 77-102dB μ V (VHF) or 80-105dB μ V (UHF)
- The FM input can be enabled or not. In case this input is enabled, it will be amplified and its output level set to 10 dB below the lowest-level UHF channel (taking into account the equalization slope)
- Powering of pre-amplifiers or BOSS system
- LED indicators displaying both unit and signal statuses
- Easy-to-replace power supply

Technical specifications

Inputs			VHF+UHF	FM
Nr. of inputs			2	1
Frequency range	MHz	174 - 230	470 - 694 / 790 (automatic LTE)	87 - 108
Maximum gain	dB		55	19
Nr. of filters			20	-
Nr. of channels per filter			1	-
Filter configuration			No restraints	-
Slope regulation	dB	-	0 - 5	-
Recommended input margin	dB μ V	50 - 90	50 - 90	76 - 101
Gain regulation	dB		0 - 30 (auto)	0 - 25 / OFF
Manual regulation after auto-adjustment	dB		+/- 3	+/- 5
Output level (DIN45004B)	dB μ V		114	
Output level (EN50083 IMD3 2CH -36dB)	dB μ V		121	
Programmable output level	dB μ V	77-102	80-105	70-95
Selectivity	dB		>30@+/-1MHz	>20 @+/-20MHz
Input powering	Vdc		12 (AUTO/ON/OFF)	-
Maximum current per input	mA		50	
Mains voltage / frequency	Vac / Hz		220 - 230 / 50 - 60	
Total consumption	W		8	
Maximum operating temperature	°C		45	
Weight	gr		920	
Dimensions	mm		225x120x55	
Protection index	IP		20	