



## AVANT 6 programmable multiband amplifier for terrestrial signals, with 20 digital programmable filters

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 4 inputs: FM-DAB-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/Mac application.

The multiband amplifier is able to detect LTE signals and automatically set the filter to channel 48 (LTE700).

RED compliant

<b>Ref.</b>	532603
<b>Logical ref.</b>	AVANT6-DD2
<b>EAN13</b>	8424450224007

### Packing

**Box** 1 pcs.

### Physical data

**Net weight** 920.00 g

**Gross weight** 920.00 g

## Highlights

---

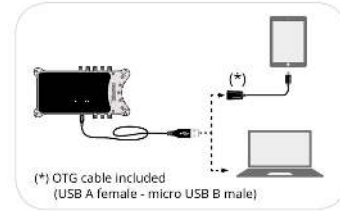
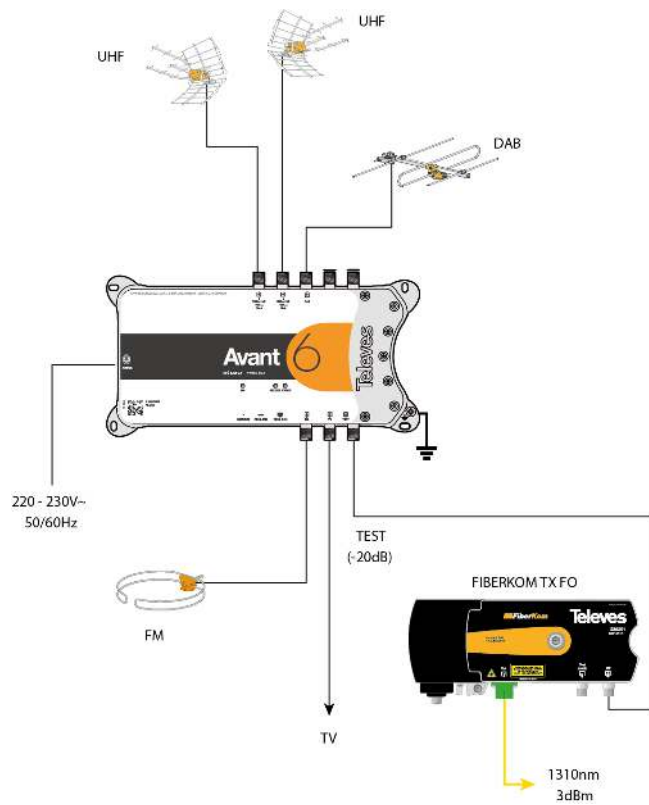
- Digital processing technology implemented on terrestrial TV signals
- Up to 20 individually programmable filters: single channel digital filtering
- Automatic signal adjustment in each filter (AGC): and output signal manual regulation
- UHF/VHF digital filters with high selectivity: 30dB rejection (@ 1MHz)
- 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/Mac

## Main features

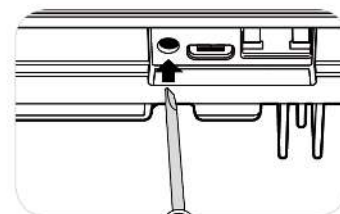
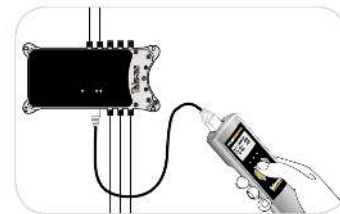
---

- VHF+UHF inputs: the output level is programmable between 77-102dB $\mu$ V (VHF) or 80-105dB $\mu$ V (UHF)
- DAB input: the output level is programmable between 77-102dB $\mu$ V. When it is used, the other inputs are available only for UHF band (in addition to the specific FM input)
- 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)
- Automatic balancing according to the programmed output level and equalization slope
- Allocation of filters to inputs without restraints
- Powering of pre-amplifiers or BOSS system
- LED indicators displaying both unit and signal statuses
- Easy-to-replace power supply

## Application example



TABLET / SMARTPHONE / PC



## Technical specifications : Ref. 532603

Number of inputs				4
Number of outputs				1
Bands		FM	DAB	UHF
Frequency range	MHz	87 ... 108	174 ... 230	470 ... 694
Number of filters		--	--	20
Channels per filter		--	--	1
Gain	dB	19	50	55
Gain adjustment range	dB	0 ... 25	AGC	AGC
Manual regulation after auto-adjustment	dB	-5 ... 5	-5 ... 5	-3 ... 3
Slope regulation	dB	--	--	0 ... 5
Input level	dB $\mu$ V	76 ... 101	50 ... 90	50 ... 90
Output level DIN45004B	dB $\mu$ V	114	114	114
Output level EN50083	dB $\mu$ V	121	121	121
Programmable output level	dB $\mu$ V	70 ... 95	77 ... 102	80 ... 105
Noise figure	dB	7	7	7
Selectivity	dB	> 20	> 20	> 65
Powering per inputs	Vdc	--	--	12
Input voltage	Vac		220 ... 230	
Mains frequency			50 Hz / 60 Hz	
Max. current	mA		90	
Max. power consumption	W		8	
Protection index (IP)			20	
Operating temperature	°C		-5 ... 45	