



Product description

The TRIAX TMB 1700 is an easy to use programmable filter amplifier and convertor for terrestrial signals. The module optimizes terrestrial FM/VHF/UHF signals from multiple inputs.

- Smart & Automatic CHANNEL SCAN
- Can process and convert more than 50 channels (consisting out of 32 filters, each up to 6 MUXes wide)
- Can process S-Band output channels
- 5G LTE Protection (694MHz)
- Sharpest filters on the market (50 dB on adjacent channels)
- Real-time AGC on all individual multiplexes
- Complete flexibility in assigning filters from any input. Each channel can be frequency shifted to any other channel in the VHF or UHF band (Flex Matrix)
- To avoid unauthorised persons changing the settings, the TMB 1700 can be locked with a security code
- Made in Europe, for worldwide application
- 1 FM/VHF/UHF & 2 VHF/UHF inputs / 32 filters / AGC / 12-24 V remote power
- 3 VHF/UHF inputs / 32 filters / AGC / 12-24 V remote power
- Powered via output F-connector
- Product dimensions (H X W X D): 165mm x 190mm x 59mm

Technical Specifications

TRIAX TMB 1700		
Inputs	-	1 FM/VHF/UHF & 2 VHF/UHF
Outputs	-	1 main (FM-VHF-S-UHF)
Input frequency range (EU*)	MHz MHz	FM: 88 – 108 VHF: 174 – 240 UHF: 470 – 694
Output frequency range (EU*)	MHz	88 – 862
LTE protection	MHz	694 (5G)
Input level	dBµV dBµV	FM: 47 – 109 VHF: 37** - 109 UHF: 37** - 109

VHF/UHF Output power (60dB/IM3)	dB μ V	114
VHF/UHF Output power (36dB/IM3)	dB μ V	125
VHF/UHF Output power with 1 MUX	dB μ V	108
VHF/UHF Output power with 6 MUX	dB μ V	108
VHF/UHF Output power with 15 MUX	dB μ V	105
VHF/UHF Output power with 32 MUX	dB μ V	102
Add channels	-	Per 1, 2, 3, 4, 5 or 6 MUXes
Number of channels	-	More than 50 (32 filters)
Conversion	-	Yes (from any VHF-UHF channel to any VHF-S-UHF channel)
Gain	dB dB dB	FM: >65 VHF: >65 UHF: >65
Gain adjustment	dB	Channel AGC
General attenuator	dB	20
FM/VHF attenuator	dB	15
Noise figure	dB	7
Selectivity	dB/1MHz	50
Return Loss	dB	10
Output MER	dB dB	VHF: 35 UHF: 35
ESD protection	-	All inputs
Remote voltage for preamp	V	12 or 24
Remote current	mA	50 (total for the 3 inputs)
Operating temperature	°C	-5 to +50
Power Supply	VDC	12V (use Art. No. 360243)
Power consumption	W	9
Dimensions	mm	190 x 165 x 59
Weight	kg	0,65

* frequency range can vary slightly according to local channel plan (check REGION settings)

** For 64QAM with code rate $\frac{3}{4}$