

Multiband Amplifier TMB 100

| Terrestrial Multiband Amplifier

TMB 100

Programmable Multiband
Amplifier
with 5 terrestrial inputs
Order No. 360223



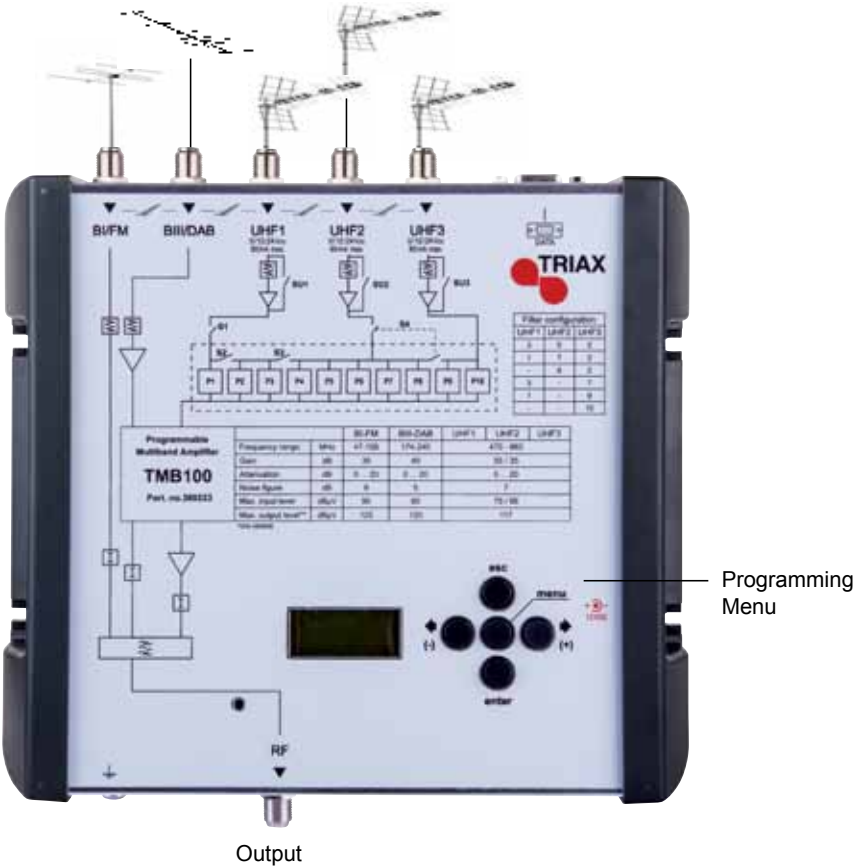
Interconnecting and amplifying selectively up to 5 different positioned TV antennas

The multi-band amplifier TMB 100 is ideal for interconnecting and amplifying of several aerial antennas in MATV plants. The amplifier uses the frequency-selective filtering and level matching of UHF channels. They are selectively combined with the B III-VHF and B I-FM band.

- 5 aerial inputs: B I-FM, B III-DAB, B III-VHF, 2 x UHF
- Easy programming directly via keypad at the amplifier, shown at the display
- Very flexible with 10 selective UHF filters, adjusting with bandwidth 1-7 channels (8-56 MHz)
- Every UHF filter has separate adjustments like amplification and mid frequency
- The activable AGC provides a constant for UHF and VHF Output level und stable operating conditions
- Export or import of all device settings via RS 232 interface
- Switchable short-circuit-protected remote feeding for UHF pre-amplifiers



Connection Diagram



Technical Data

TMB 100				
Order No.		360223		
Number of inputs		5		
Transmission ranges				
Terrestrial frequency range UHF	MHz	470...862*		
Terrestrial frequency range B III	MHz	174...240		
Terrestrial frequency range B I-FM	MHz	47...108		
Amplification				
Input level max. B I-FM / B III / UHF	dBµV	90 / 80 / 95		
Gain B I-FM	dB	32		
Gain B III	dB	48		
Gain UHF	dB	55		
Noise Factor BI-FM / B III / UHF	dB	9 / 5 / 7		
Attenuator per input Bi-FM, B III	dB	0...20		
Global attenuator for UHF inputs	dB	0...20		
Output level max. VHF / UHF (IM ₃ - 60 dB)	dBµV	120 / 117		
Filter combination				
UHF filter distribution UHF 1/UHF 2/ UHF 3		3 / 5 / 2 1 / 7 / 2 - / 8 / 2 3 / - / 7 1 / - / 9 - / - / 10		
Width of filtering channels (1...7 ch.)		MHz	8...56	
Filter selectivity @ ± 16 MHz		dB	>14	
Input return loss		dB	>8	
Output return loss		dB	>8	
Operating conditions				
Power supply (50-60 Hz)		VAC	100...240	
Power consumption at 230 VAC		W	9...16	
Remote supply UHF 1, 2, 3		V/mA	12 or 24/80	
Input equipped with remote supply			UHF 1, 2, 3	
Operating temperature		°C	-5...+40	
Mechanics				
Input/output connectors			F-female	
Dimensions (H x W x D)		mm	225 x 220 x 50	

* LTE protection „on“: 470...790 MHz, ch. 21-60

* LTE protection „on“: 470...790 MHz, ch. 21-60

