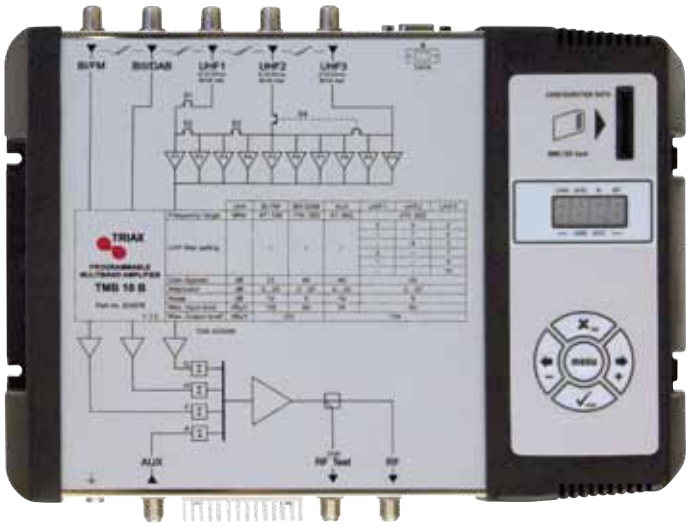
Product Info

Aerials | Dishes | Set top boxes | Headends | Fibre optical | Multi switches | Amplifiers | Outlets | Home accessories | Fibre cabinets | Enclosures

Triax TMB 10 programmable multi band amplifier

- a simple solution for a complicated job

The new programmable multiband amplifier range TMB 10 from Triax has all the features needed for amplifying and distributing a number of signals into a network.



Just one unit

With just one unit, you can combine all digital or analogue terrestrial signals for channel-selective amplification.
The two built-in IF amplifiers in the TMB 10-S simplify the insertion of IF signals into a network.

High flexibility

10 highly selective and adjustable filters in the UHF frequency range secure high flexibility. Each of these clusters can have 1-7 channels (40 MHz) bandwidth.

Built-in programmer

The programmer is always there when you need it. Operating the TMB 10 is simple and done by means of the 4 digit display and 5 buttons.

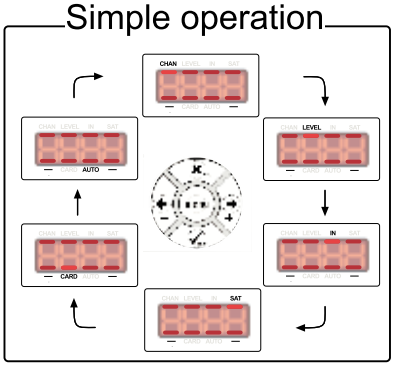
Copy settings

In order to minimize the time of installation, you can copy settings from one unit to another. All settings can be stored on a standard memory MMC/SD device to be transferred to another amplifier.

Features:

- 10 UHF filters with 1 to 7 channel band width
- 6 inputs: FM/DAB/VHF/UHF and 3 UHF inputs split over 10 UHF programmable clusters
- Automatic or manual levelling of the signal
- Easy programming
- Designed for both digital and analogue operation

Simple operation



Copy settings

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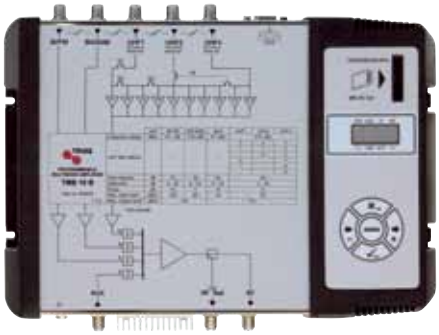
TRIAX - your ultimate connection

Triax TMB 6 and TMB 10 programmable multi band amplifier

Triax TMB programmable multi band amplifier has all the features needed for amplifying and distributing a high number of signals into a network.

- High flexibility
- 10 highly selective and adjustable filters in the UHF frequency range secure high flexibility. Each of these clusters can have 1-7 channels (48 MHz) bandwidth.
- 6 inputs: FM/DAB/VHF/UHF and 3 UHF inputs split over 10 UHF programmable clusters
- Automatic or manual levelling of the signal
- Easy programming - Designed for both digital and analogue operation
- Input stage switch off - which reduce gain by 18 dB on each UHF input.



Technical data - TMB multiband amplifiers with adjustable filters

TYPE Art. No.		TMB 6 324571	TMB 10A 324575	TMB 10B 324576	TMB 10C 324578	TMB 10S 324577
Numbers of inputs	pcs	5	5	6	6	8
Numbers of outputs	pcs	1	1	1	1	2
Numbers of channel filters		6	6	10	10	10
Test point		no	Yes (- 20 dB)	Yes (- 20 dB)	Yes (- 20 dB)	Yes (- 20 dB)
UHF input stage switch of			Yes	Yes	Yes	Yes
Gain						
Input BI/FM	dB	24	48	48	48	43
Input BIII/DAB	dB	35	48	48	48	43
Input VHF and UHF (aux)	dB		40	40	40	35
Input UHF 1	dB	48	55	55	45	50
Input UHF 2	dB	42	55	55	45	50
Input UHF 3	dB	30		55	45	50
Input satellite 1	dB					40 sloped
Input satellite 2	dB					40 sloped
Attenuation	dB	0-20	0-20	0-20	0-20	0-20
Selectivity	dB/MHz		16 / 16	16 / 16	16 / 16	16 /16, 40@862
Noise figure						
BI/FM	dB	9.0/3.0	10.0	10.0	10.0	10.0
BIII/DAB	dB		5.0	5.0	5.0	5.0
VHF and UHF (aux)	dB		10.0	10.0	10.0	10.0
UHF	dB	3.0/5.0/5.0	8.0	8.0	8.0	8.0
Satellite	dB					6.0
Max. input level						
FM	dB		100	100	100	100
BIII/DAB	dB		80	80	80	80
AUX	dB		90	90	90	90
UHF	dB		75/100	75/100	75/100	75/100
Output level (IMD3 /-60 dB/3rd order)						
BI	dBµV	103	123	123	123	119
BIII	dBµV	108	123	123	123	119
VHF/UHF (aux)	dBµV		123	123	123	119
UHF	dBµV	112/115/112	123	123	123	119
SAT (-35 dB)	dBµV					122
DC power for preamplifier	V/mA	12/50	12 or 24/55	12 or 24/55	12 or 24/55	12 or 24/55
LNB supply	V/mA kHz				0, 13, 17/300 0-22	0, 13, 17/300 0-22
Power supply	VAC/Hz	230/50 Hz	230/50 Hz	230/50 Hz	230/50 Hz	230/50 Hz
Connectors		F-female	F-female	F-female	F-female	F-female
Impedance	Ohm	75	75	75	75	75
Temperature, operation	°C	- 10 to + 50	- 5...+ 50	- 5...+ 50	- 5...+ 50	- 5...+ 50
Dimensions (L x H x D)	mm	230 x 130 x 50	290 x 225 x 50	290 x 225 x 50	290 x 225 x 50	290 x 225 x 50