

## TBT425 Talkback transmitter specifications

### General:

Power supply	230V	40VA	12 - 15V	2,5A
Antenna connectors	N			
Audio connector(s)	XLR 3 male / female			
Housing	1 HE 19" depth 280mm			
<b>Transmitter</b>				
Channels	16	front adjustable		
Frequency range	410 - 470 MHz			
Switching range	> 15 MHz	optional: 60 MHz		
Frequency steps PLL	12,5 – 25 of 100 kHz	programmable		
Channel switching	BCD switch			
RF power led bar	10 led			
Temperature led bar	10 led			
Audio led bar	10 led = 30dB range	(2x)		
Audio led bar indication	-24...+ 6dBm			
PTT	front			
HF + audio specifications				
RF output power	5 Watt	switchable from 0.5 - 1 Watt		
Frequency deviation (standard)	3 kHz			
Input level audio	6 dBm	symmetrical		
De-emphases	750 us			
Distortion	0.5 %	typical		
Signal to noise ratio transmitter	> 40 dB	(300 Hz – 3 kHz unweight)		
Audio frequency range (standard)	200 Hz – 3 kHz	+/- 1 dB		
Cross talk between transmitters	-80dB			

To avoid intermodulation and other spurious when multiple transmitters are operation, we advise to use a circulator between transmitter and aerial. We can advise in spurious free operation.

MOD ontvanger (interne ontvanger)

**Algemeen:**

Power supply	12V	200 mA
Antenna connector	SMA	

**Receiver**

Channels	16 front adjustable
Frequency range	415 – 430 MHz, 440 - 470 MHz, optional VHF
Switching range	15 MHz (415 – 430) 8 MHz other frequencies.

Sensitivity	< 0,5 uV	20 dB sinad
Mute level	0,15uV	
Channel select	BCD switch	
Frequency steps	12.5 KHz	
Frequency deviation	3KHz	
Dynamic range (3 <sup>e</sup> order IM for 20 dB sinad)	> 80 dB	

Audio output level (line)	6 dbm symmetrical
De-emphases	750 us switchable
Distortion	1.5 % typical

Signal to noise level	> 45 dB, (300 Hz – 3 kHz ) unweight.
Audio frequency range	200Hz – 3 KHz +/- 1db
Audio outputs	1

All frequency channels can be reprogrammed by RS232