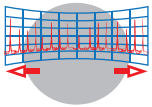


MTB40S is a small, light-weight plug-on transmitter specially designed for professional wireless microphone applications



**Wideband RF
Technology**

Provides the widest switching bandwidth available, up 232 MHz range to find the best frequency, anywhere in the World.



new!

**Ultrasonic
HW Protection**

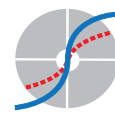
The best selective audio filter to avoid any ultrasonic interference.



new!

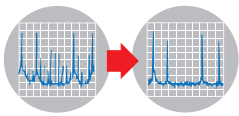
**NB/WB
SW selectable**

Switching by SW in "wideband" mode", MTPB40-UN maintains full compatibility with all previous Wisycom legacy receivers.



**Multi-
Companding**

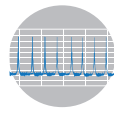
ENC and ENR algorithms for perfect audio in any application almost delay free with create and shape presets for the desired sound.



LINEAR

Intermodulation FREE

Advanced linear technology eliminates intermodulation distortion for more robust signal, extended range, and the ability to operate several transmitters within closeproximity to each other.



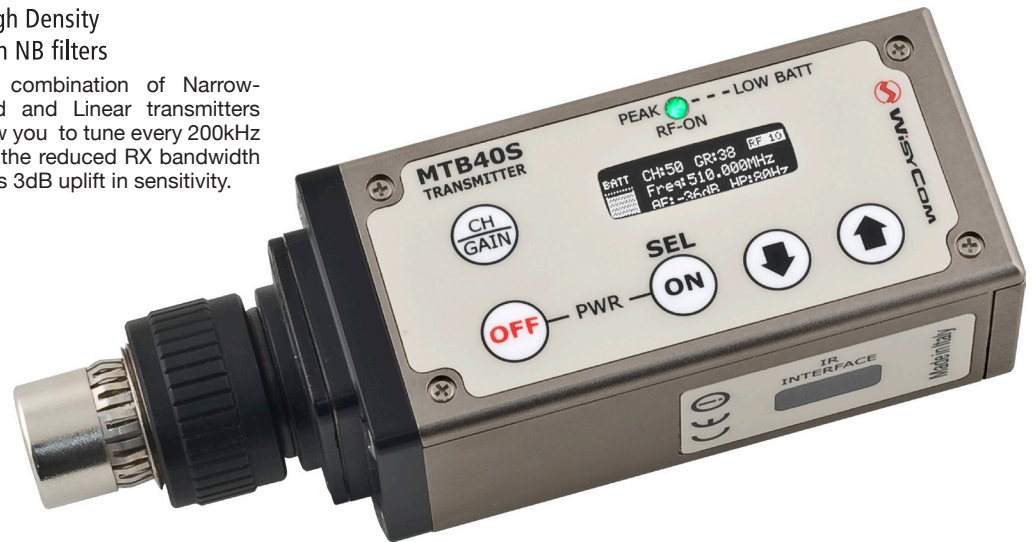
**High Density
with NB filters**

The combination of Narrow-band and Linear transmitters allow you to tune every 200kHz and the reduced RX bandwidth gives 3dB uplift in sensitivity.



**Low Heat
Generating**

The MTB40S transmitter is designed for maximum performance with minimal power consumption which generates less heat - it is always comfortable to wear or operate.



OTHER FEATURES

- Highly-visible white OLED display
- Quick setup via 5 waterproof buttons
- Highly adjustable Mic Gain: 80dB in 1dB steps
- Hardware Limiter for additional peak input protection (30 dB above peak)
- P48 phantom power for condenser microphones
- Audio input circuitry with highly accurate audio transformer
- XLR-3F connector with locking collar to ensuring an extremely tight, noiseless fit!
- Infrared interface for quick frequency setup and firmware upgrade
- Powering: 2 AA Batteries - Alkaline, rechargeable NiMH or Lithium



CONFIGURATIONS

COUNTRY RANGE & POWER PROFILE

EU Europe 50mW	JP Japan 10mW	AU Australia 100mW
EUX Europe 100mW	USX USA 100mW	US8 USA 100mW

COLOR

PV titanium grey

FREQUENCY RANGE

B7 470-633 MHz	B2 566-798 MHz	BP 806-810 MHz
B3 510-698 MHz	B8 940-960 MHz	B6 960-1160 MHz

ULTRASONIC & NarrowBand

UN Ultrasonic & NarrowBand

ACCESSORIES & RELATED



Item: UPKMINI
Whip Antenna UHF for transmitters
Infrared programming kit (interface + software) USB interface



Item: VAP37
Carrying case, black color
dimension 23x27x7 cm



Item: BAGPL2
Carrying Pouch
dimension 21x6x18 cm



CONFORMITY



TECHNICAL SPECIFICATIONS

RF SPECIFICATIONS	Frequency ranges	B7 option: 470 ÷ 663 MHz B2 option: 566 ÷ 798 MHz B8 option: 940 ÷ 960 MHz	B3 option: 510 ÷ 698 MHz BP option: 806 ÷ 810 MHz B6 option: 960 ÷ 1160 MHz
	Switchable channels	2400 managed in 40 groups of 60 frequencies completely user customizable	
	Switching-window	Up to 232 MHz, depending on band (see Variants below)	
	Frequencies	Quartz PLL frequency synthesizer circuit (25 kHz step)	
	Frequency error	± 2.5 ppm, in the rated temperature range	
	RF Power	switchable typ. 20 mW/ 20L mW / 50 mW /100 mW note: in some countries high power can be disabled, for local norm!	
	Modulation	wideband FM, with pre-emphasis	
	Nominal deviation	±40 kHz Wideband / ±25 kHz Narrowband	
	Peak deviation	±56 kHz Wideband / ±35 kHz Narrowband	
	Spurious emissions	< 2 nW	
Telemetry feature	TX transmits also a digitally modulated sub-carrier, suitable for: <ul style="list-style-type: none"> • tone-squelch operating • remote battery monitoring • optional PTT (push to talk) operation 		
AUDIO SPECIFICATIONS	Noise Reduction system	ENR (Wisycom Extended-NR), with independent Attack- and Recovery-time, noise optimized ENC (Wisycom Extended-NC), with independent Attack- and Recovery-time, voice optimized & with reduced pre-emphasys	
	AF bandwidth in NarrowBand mode (NB)	Audio frequency response (dBa): <ul style="list-style-type: none"> • 45 Hz ÷ 17 KHz (3dB) 	
	Distortion	< 0.3 % (0.15 % typ.)	
	SND/D ratio (Analogue)	typ. 115 dB (A)rms with 40 kHz deviation; typ. 121 dB (A)rms with 56 kHz deviation Wideband typ. 115 dB (A)rms with 25 kHz deviation; typ. 121 dB (A)rms with 35 kHz deviation Narrowband	
	Audio input connector	XLR-3F (transformer isolated) with locking collar and 48V phantom power	
	Audio input level	from -54 dBu (775 uV) to 26 dBu (15.5 V) at peak deviation (1 kHz), adjustable in 1 dB steps	
	Max input level	+26 dBu (15.5 V) at clipping, +20 dBu (7.75 V) at nominal level	
	Managing interface	IrDA	
	LED	RGB led indication with (red, green and blue) on wireless power switch: <ul style="list-style-type: none"> • Wireless transmission status: GREEN on/RED off • Battery lifetime status: GREEN steady (> 25%), slowly blinking (< 25%), quickly blinking (<12%) • Modulation peek (if activated & the limiter is disabled): RED • Ptt status: RED if active • Limiter into action: Blue 	
	OTHERS	Battery lifetime indication	8 steps : 7 bars (100%-87%-75%-63%-50%-38%-25%) and "empty bar" quickly blinking (12% remaining)
Display		High contrast OLED white display (128 x 32 pixels)	
Power supply		2 AA size cell (Alkaline, rechargeable NiMH or Lithium)	
Temperature range		-10 ÷ +55 °C	
Dimensions		124 x 40 x 34 mm (Height-Width-Depth)	
	Weight	Approx. 210 g. without batteries (250g with batt)	