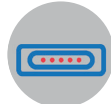


MTH610 is a handheld transmitter especially designed for professional wireless microphone applications, ideal for interview, live events and theaters.



**Multi-BAND
RF**

The multi-band MTH610 currently has the widest tuning range of any wireless transmitter on the market offering a massive range of frequencies to choose from.



**Magnetic
Connector**

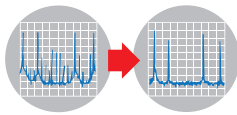
Proprietary waterproof magnetic connector 5 pin:

- USB High Speed
- Power (also battery charging)
- LTC Timecode Sync



Bluetooth 5

Monitor & control with LoRa and Bluetooth via Wisycom BT app to adjust parameters in real time



**LINEAR
Intermodulation FREE**

Advanced linear technology eliminates intermodulation distortion for more robust signal, extended range, and the ability to operate multiple transmitters in close proximity to each other without needing an intermod frequency plan.

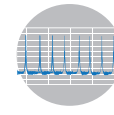


**Ultrasonic
HW Protection**

Integrated low-pass audio filter eliminates ultrasonic interference from devices such as focus pullers



NB/WB



**High Density
SW**

selectable with NB filters

DSP based signal processing allows easy switching between wide and narrow band operation which, together with 'Linear' mode allows intermod free frequency planning with as little as 200kHz channel spacing

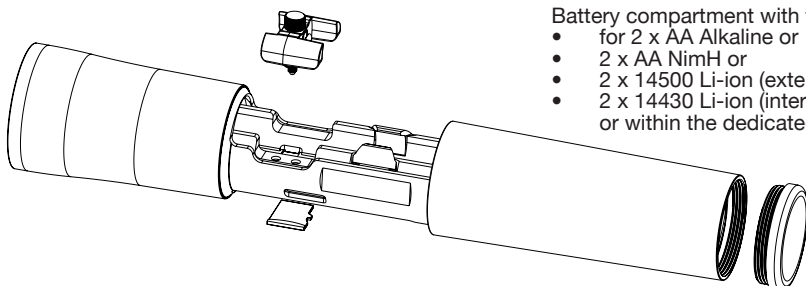
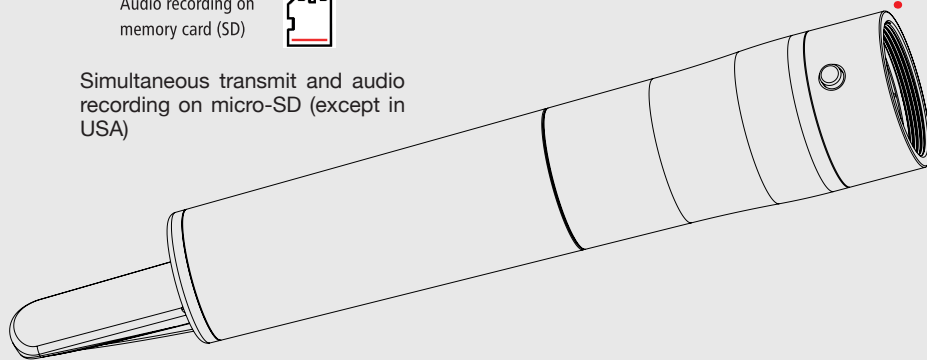


Audio recording on memory card (SD)



Simultaneous transmit and audio recording on micro-SD (except in USA)

Thread-on capsules from other manufacturers using a 1.25" opening and 28 thread pitch can also be used, including those from manufacturers such as DPA Microphone, EV, Shure®, Heil Sound™, Earthworks®, Telefunken® and others.



Battery compartment with fuel-gage for discharge time estimation:

- for 2 x AA Alkaline or
- 2 x AA NimH or
- 2 x 14500 Li-ion (externally charged) or
- 2 x 14430 Li-ion (internally charged with a USB cable adapter or within the dedicated docking station)



CONFIGURATIONS

COUNTRY RANGE

EU 470-832 MHz

UK1 470-663 MHz + 960-1075 MHz

UK2 510-698 MHz + 960-1075 MHz

JP1 660-714 MHz

JP2 806-810 MHz

JP3 1240-1260 MHz

COUNTRY RANGE

US* 470-608 MHz + 614-663 MHz + 940-960 MHz

**Simultaneous recording and wireless transmission is not available on transmitters sold in the USA (code: MTH610-US)*

CA 470-608 MHz + 614-663 MHz + 940-960 MHz

MX 470-608 MHz + 614-832MHz

KR 510-698 MHz + 925-937,5 MHz

ACCESSORIES & RELATED



Item: PTT610
Push to talk accessory for MTH610
Small profile 14mm



Item: PTT615
Push to talk accessory for MTH610
with switch for MUTE (ON/OFF) and a
button for PTT



Item: PTM610
Push to talk accessory for MTH610
with double switch (one for PTT and
one for MUTE)



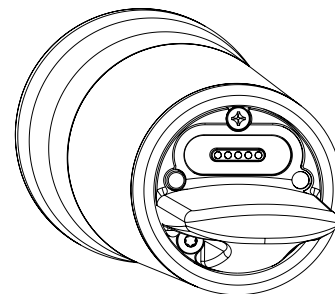
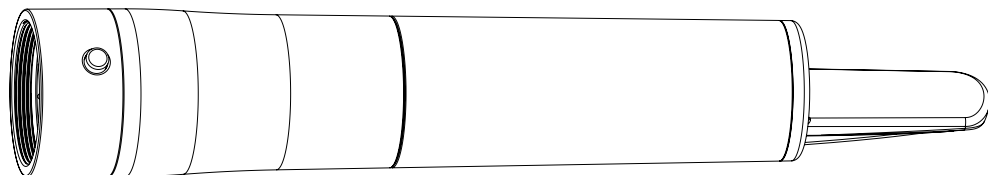
Item: PTM612
Push to talk accessory for MTH610
High profile 50mm to use with wind-
shields.



Item: LBC610
Docking station for management
and charging 2 MTH610/MTP61 with
L14430 Li-ion battery simultaneously,
extendable up to 8 MTH610



Item: POUMTH
Leather Pouch
for handheld transmitter



CONFORMITY



TECHNICAL SPECIFICATIONS

RF SPECIFICATIONS	Frequency range	from 470 to 1260 Mhz, depends on the country (see Configurations)
	Switchable channels	2400 managed in 40 groups of 60 frequencies completely user programmable
	Switching-window	up to 362 MHz, depending on band (see Configurations)
	Frequencies	Quartz PLL frequency synthesizer circuit (5 kHz step)
	Frequency error	±2.5 ppm, in the rated temperature range
	RF Power	10mW/ L10 W/ 20 mW/ L20 mW/ 50 mW/ 100 mW* <small>*on specific configurations</small>
	Modulation	Wideband and Narrow-band with DSP based digital signal processing
	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, compander and modulation control • optional PTT (push to talk) operation 	
AUDIO SPECIFICATIONS	Noise Reduction system	ENS - Wisycom ultra-high performance compander
	AF bandwidth in NarrowBand mode (NB)	Audio frequency response (dBA): <ul style="list-style-type: none"> • 45 Hz ÷ 17 KHz (3dB)
	AF bandwidth in WideBand mode (WB)	Audio frequency response (dBA): <ul style="list-style-type: none"> • 45 Hz ÷ 20 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	directly interchangeable microphone-heads
	Audio input level	adjustable in 1 dB steps
	Max input level	6 dBu
	Max sound pressure	depending on head 144 dB SPL with DPA 2028, 152 dB SPL with DPA d:facto™ 4018, 155 dB SPL with Neumann KK 105 S, 149 dB SPL with Shure@KSM9
	Compatible heads	most common microphone heads. <i>Example:</i> DPA Microphone: 2028, d:facto™ 4018 (with SLI adapter), Shure@: Beta58A, Beta87A, Beta87C (with HHA-SHS adapter)
RECORDER	Storage media	removable micro SD memory card (.wav files - BWF)
	Time code	linear Timecode decoding
	Bit rate	24 bit / 32 bit
	Sampling rate	48 kHz
OTHERS	Managing interface	remote control interface (Bluetooth and LoRa) and proprietary waterproof magnetic connector 5 pin (USB HS +power +LTC)
	LED	bicolor led (red & green)
	Battery level indication	percentage or minute/second
	PTT function	with optional PTT accessory
	Display	High contrast OLED (Organic light-emitting diode) white display (128 x 32 pixels)
	Power supply	2 x AA Alkaline or 2 x AA NimH or 2 x 14500 Li-ion (externally charged) or 2 x 14430 Li-ion (internally charged)
	Battery life	approx. 16 hours @ 10mW with 14500 and 14430 Li-ion batteries approx. 12 hours @100mW with 14500 and 14430 Li-ion batteries approx. 13 hours @10mW with Alkaline batteries
	Temperature range	-10 ÷ +55 °C
	Dimensions	200 x 37 mm (length x diameter) without microphone-head
	Weight	Approx. 220g without microphone-head