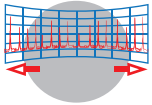
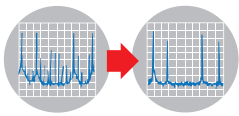


MTH410 is a handheld transmitter
especially designed for professional wireless microphone applications



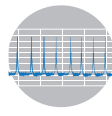
**Wideband RF
Technology**

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



**LINEAR
Intermodulation FREE**

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



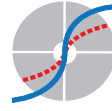
**High Density
with NB filters**

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



**NB/WB
SW selectable**

Double audio filter (15 KHz and 20 KHz) allows switching in "wideband" and "narrowband" mode maintaining full compatibility with all previous Wisycom legacy receivers.



**Multi-
Comping**

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



OTHER FEATURES

- Up to 232 MHz bandwidth in 470/1260 MHz range
- Dual power amplifier & phase canceling configuration for intermodulation free operation, additional circulator (optional)
- Quick setup with joggle selector, 2 quick setup buttons (level/channel adjustment)
- Highly adjustable Mic Gain: 60dB in 1dB steps
- Available also with MCM type premium head (DPA/Schoeps)
- Thin and ergonomics body design
- Infrared interface for quick frequency setup
- Powering: 2 AA Batteries - Alkaline, rechargeable NiMH or Lithium
- Battery life with 2 AA Alkaline: 10h @ 50mW, > 7h @ 20L mW (intermod free operation)



CONFIGURATIONS

COUNTRY RANGE & POWER PROFILE

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

FREQUENCY RANGE

B7 470-633 MHz	B2 566-798 MHz	B6 960-1160 MHz
B3 510-698 MHz	B8 940-960 MHz	B9 1240-1260MHz

COLOUR

BL black	PV titanium grey
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ACCESSORIES & RELATED



Item: MCM306/MCM306L
MCM306: with DPA MMC4018 Supercardioid capsule
MCM306L: with DPA MMC4018VL Linear Supercardioid capsule



Item: WMM300
Foam Windshield for MCM3xx microphone head
height 70 mm, out-diam. 60 mm, inner-diam. 50/40 mm



Item: PTT301-x
Push to talk accessory for MTH300/MTH400/MTH410 Small profile 14mm
x = B: Black Color, P: Titanium grey



Item: PTT305-x
Push to talk accessory for MTH300/MTH400/MTH410 High profile 50mm to use with windshields.
x = B: Black Color, P: Titanium grey



Item: PTM301-x
Push to talk accessory for MTH300/MTH400/MTH410 with double switch (one for PTT and one for MUTE)
x = B: Black Color, P: Titanium grey



Item: PTM401-x
Push to talk accessory for MTH300/MTH400/MTH410 with switch for MUTE (ON/OFF) and a button for PTT
x = B: Black Color, P: Titanium grey



Item: SRE30x
SRE300: adapter for Shure®
SRE301: adapter for Sennheiser® (type KK, ME and MD)
SRE302: adapter for Sennheiser® (series 2000 type MMD935, MMD945, MMK965)



Item: SMC300
Stand Mount Clamp



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



Item: AC1673
Leather Pouch for MTH300/MTH400/MTH410

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 B6 option: 960 ÷ 1160 MHz B9 option: 1240 ÷ 1260 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/ L20 mW / 50 mW /100 mW note: in some countries high power can be disabled, for local norm!	
	Modulation	wideband/narrowband FM, with pre-emphasis	
	Nominal deviation	±40 kHz Wideband, ±25 kHz Narrowband	
	Peak deviation	±56 kHz Wideband, ±35 kHz Narrowband	
	Spurious emissions	< 2 nW	
AUDIO SPECIFICATIONS	Telemetry feature	TX transmits also a digitally modulated sub-carrier, suitable for: <input type="checkbox"/> tone-squelch operating <input type="checkbox"/> remote battery monitoring <input type="checkbox"/> optional PTT (push to talk) operation	
	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	55 Hz ÷ 20 KHz (1dB), Wideband with LPF at 20kHz 55 Hz ÷ 15 KHz (1dB), Narrowband with LPF at 15kHz	
	Distortion	< 0.3 % (0.15 % typ.)	
	SND/D ratio (Analogue)	typ. 115 dB (A)rms with 40 kHz deviation <input type="checkbox"/> typ. 121 dB (A)rms with 56 kHz deviation Wideband typ. 115 dB (A)rms with 25 kHz deviation <input type="checkbox"/> typ. 121 dB (A)rms with 35 kHz deviation Narrowband	
	Audio input connector	directly interchangeable microphone-heads	
	Audio input level	60 dB adjustable range from -54 to +6 dBu at peak deviation (1 kHz), adjustable in 1 dB steps	
	Max input level	+6 dBu	
	Max sound pressure	150 dB SPL (0,5% THD), with MCM30x condenser-heads	
	Managing interface	IrDA	
	LED	bicolor led (red & green) on wireless power switch: <input type="checkbox"/> Wireless transmission status: GREEN on/off <input type="checkbox"/> Battery lifetime status: GREEN steady (> 25%), slowly blinking (< 25%), quickly blinking (<12%) <input type="checkbox"/> Modulation peek (if activated): RED <input type="checkbox"/> Ptt status: RED if active	
	Battery lifetime indication	8 steps : 7 bars (100%-87%-75%-63%-50%-38%-25%) and "empty bar" quickly blinking (12% remaining)	
	PTT function	with optional PTT accessory	
	Display	High contrast OLED (Organic light-emitting diode) white display (128 x 32 pixels)	
	OTHERS	Power supply	2 AA size cell (Alkaline, rechargeable NiMH or Lithium)
Power consumption		230mA@ 3V average (display off, 100mW power)	
Battery life		with Alkaline: up to 14 hours @ 10mW, approx. 12 hours @ 20mW, approx. 10 hours @ 50mW , approx. 7 hours @ 100mW or @ 20mW Intermod Free "20L" level with Lithium: approx. 7 hours @ 100mW	
Temperature range		-10 ÷ +55 °C	
Dimensions		183 x 33 mm (length x diameter) without microphone-head	
	Weight	Approx. 150g only body, 280 g with head MCM306, 330g with head MCM306 and batteries	