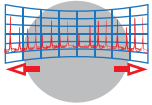
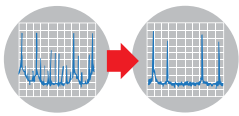


MTH410 is a handheld transmitter
especially designed for professional wireless microphone applications



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

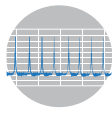
Advanced linear technology eliminates intermodulation distortion for more robust signal, extended range, and the ability to operate several transmitters within close proximity to each other.



NB/WB

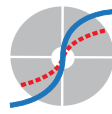
SW selectable

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



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.



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

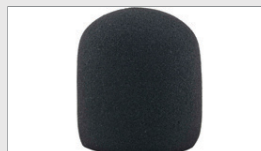
PV titanium grey

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



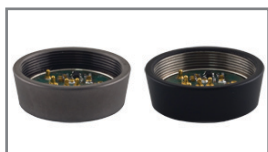
Item: PTM301-x

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/ 20 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 (Wiscom Extended-NR), with independent Attack- and Recovery-time, noise optimized ENC (Wiscom 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	
OTHERS	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 peak (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)	
	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	