MTP60 is a pocket transmitter
specially designed for professional wireless microphone applications

MB

Multi-BAND RF

The multi-band MTP60 currently has the widest tuning range of any wireless transmitter on the market offering a massive range of frequencies to choose from.

Bluetooth 5 Long Range

Monitor & control with Bluetooth via Wisycom Manager software or mobile device apps to adjust parameters in real time
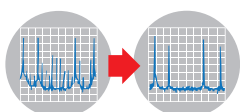
Real Time Positioning   X Y Z Accelerometer

Dedicated hardware for accurate real time positioning and advanced user interface for accessibility assistive gestures.

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

Ultrasonic HW Protection

Integrated low-pass audio filter eliminates ultrasonic interference from devices such as focus pullers
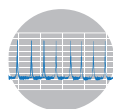
REC ● Embedded Recorder

Audio recording on memory card (SD)*

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

NB

NB/WB   High Density
SW selectable with NB filters

FPGA 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

Transmitter
549.000   00:02
MUTE
80%   100

SEL ON   MENU   ▲ GAIN
REC ●
EXIT OFF   🔒   CH ▼

Haptic Engine

An integrated haptic engine that gives tactile feedback with different vibration patterns. This can also be activated by the remote control to discreetly alert users

Powering with 2 x AA battery (Alkaline, NiMh, Lithium) or MPRLBP lithium battery (5.55 Wh)

Small bodypack with ergonomic rounded edges for comfort in TV, theater, movies and other applications requiring discreet deployment.

* Simultaneous recording and wireless transmission is not available on transmitters sold in the USA (code: MTP60-US-BT1)

CONFIGURATIONS

COUNTRY RANGE

EU	**470-832 MHz, Max power 50mW**
EUX	**470-832 MHz, Max power 100mW**
UK1	**470-663 MHz, Max power 100mW** **+ 960-1075 MHz, Max power 50mW**
UK2	**510-698 MHz, Max power 100mW** **+ 960-1075 MHz, Max power 50mW**

COUNTRY RANGE

US*	**470-608 MHz, Max power 100mW** **+ 614-663 MHz, Max power 20mW** **+ 940-960 MHz, Max power 100mW**

*Simultaneous recording and wireless transmission is not available on transmitters sold in the USA (code: MTP60-US-BT1)

CA	**470-608 MHz, Max power 100mW** **+ 614-663 MHz, Max power 20mW** **+ 940-960 MHz, Max power 100mW**

i.e. variants code:
MTP60-EUX-BT1: European transmitter version 470-832 MHz max power 100mW
MTP60-UK1-BT1: UK transmitter version 470-663 max power 100mW and 960-1075 MHz max power 50mW
MTP60-US-BT1: USA transmitter version 470-663 MHz and 940-960 MHz max RF power 100mW

ANTENNAS CODE

Ant Label	Code	Band MHz
507	**AWF30-B1-507**	470-547
590	**AWF30-B1-590**	547-663
552	**AWF30-B3-552**	510-595
646	**AWF30-B3-646**	595-698
710	**AWF30-710**	663-760
796	**AWF30S-796**	760-832
808	**AWF30-BP-808**	806-810
950	**AWF30-B8-950**	940-960
1k1	**AWF30-B6-1K1**	960-1160

Antenna type

MIC PINOUT

Mic Mode	Pinout
2 wires	1 = GND 3 = AF
2 wires + bias	1 = GND 3 = AF+5,5 V
3 wires	1 = GND 2 = 5,5 V 3 = AF
2 wires & Phantom	1 = GND 2 = 3,1 V for Phantom 3 = AF
2 wires + bias & Phatom	1 = GND 2 = 3,1 V for Phantom 3 = AF + 5,5 V

WISYCOM SOFTWARE

Easy configuration and monitoring thanks to the Wisycom Manager software for PC and Wisycom App for iOS or Android smartphone and tablet.
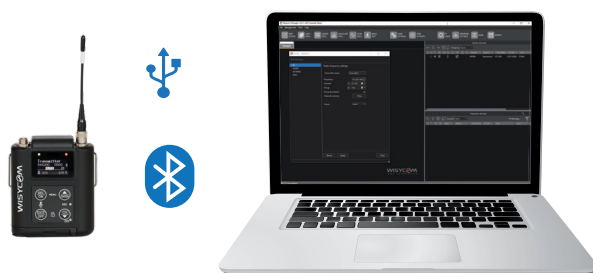
Easy connection to PC with USB-C, Bluetooth or IR with suitable interface

Bluetooth interface and mobile app alows full control from mobile or tablet.

MRK16

Bluetooth 5 Long Range (Class 1, 100mW) with the MRK16 as a bridge allows remote control the MTP60 over hundreds of meters

ACCESSORIES & RELATED

Item: MPRLBP
rechargeable Lithium-ion battery
1500 mAh 3,7V/5,55 Wh
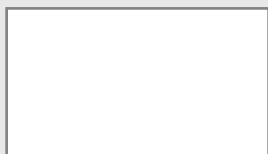manufacturer: Cameron Sino
part number: CS-WMR500SL

Item: ACM50
rack lithium battery charger capable of charging up to 10 MPRLBP batteries simultaneously

Item: ADT60
Power Adapter for MTP60.
Power input: 6-28V DC feeding

Available Q1/2022

Item: ACMMTP
battery charger capable of charging up to 4 MTP60 simultaneously

Available Q1/2022

Item: PHA60
XLR3 power with 12/18/48V Phantom power with lemo connector for Tx connection and hooks for easy pole attachment

Item: CAD30
Cable adapter, with AF male connector and 1 + 1 female connectors (for MIC and PTT button)
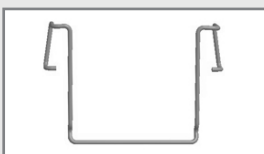compatible with MTP60/MTP40S

Item: PHA48
plug-on for XLR3 Mic with 48V Phantom power
To be used with CAL48

Item: CAL48
Cable to connect an MTP40/40S to a PHA48 to use microphone with Phantom

Item: BCL60
spring loaded belt clip for MTP60

Item: BCLW60
wire belt clip reversible for MTP60

Item: AWF30-<code>
Whip Antenna UHF for transmitters with LEMO antenna connector

Item: AWKIT3
kit 10 antennas with LEMO connector for MTPxx (with caps and tube)

Item: VAP20
Black case for 2 transmitters compatible with MTP60 and MTB40S
dimension 4.6x20x19 cm (HxWxD)

TECHNICAL SPECIFICATIONS

RF SPECIFICATIONS

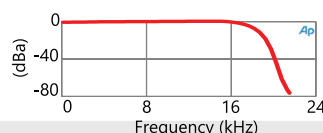|	
Frequency range	from 470 to 1075 Mhz, depends on the country (see Configurations)
Switchable channels	2400 managed in 40 groups ofr 60 frequencies completely user programmable
Switching-window	Up to 362 MHz, depending on band (see Configurations)
Frequencies	Quartz PLL frequency synthesizer circuit (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
Antenna connector	LEMO-F 1 pin
Modulation	Wideband and Narrow-band with FPGA 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: • tone-squelch operating • remote battery monitoring • optional PTT (push to talk) operation
Noise Reduction system	ENS - Wisycom ultra-high permorfmance compander

AUDIO SPECIFICATIONS

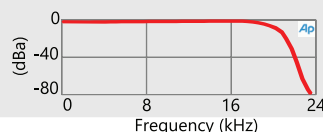|	
AF bandwidth in NarrowBand mode (NB)	Audio frequency response (dBa): • 45 Hz ÷ 17 KHz (3dB)
AF bandwidth in WideBand mode (WB)	Audio frequency response (dBa): • 45 Hz ÷ 20 KHz (3dB)
Distortion	< 0.3 % (0.15 % typ.)
SND/D ratio (Analogue)	typ. 115 dB (A)rms with 40 kHz deviation; typ. 121 dB (A)rms 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	LEMO 3pin
Audio input level	from -40 dBu (12mV RMS) to 26 dBu (15.5 V RMS) adjustable in 1 dB steps
Max input level	+26 dBu (15.5 V) at clipping, +20 dBu (7.75 V) at nominal level

RECORDER

Storage media	micro SD memory card (.wav files - BWF)
Time code	Linear Timecode decoding
Bit rate	16 bit / 24 bit / 32 bit
Sampling rate	48 kHz

OTHERS

Managing interface	Bluetooth 5 long range, USB-C, IrDA
LED	2 RGB LEDs (red, green and blue) for audio, RF and battery status. 1 LED for recording, 1 LED for battery charger
Battery level indication	percentage or minute/second
PTT function	Pin 3 of AF connector can be controlled via an externall PTT button
Display	High contrast OLED white display (128 x 64 pixels)
Power supply	2 x AA battery (alkaline, NiMh or lithium) or dedicated lithium batter pack (MPRLBP)
Power consumption	250mA@ 3V average (display off, 100mW power)
Battery life	approx. 10 hours @ 10mW with Alkaline batteries
Temperature range	-10 ÷ +55 °C
Dimensions	75,7mm x 61,4mm x 19,4mm (HxWxD) without clip
Weight	Approx. 140 g. without batteries (183 g. with lithium batt.)