

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



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

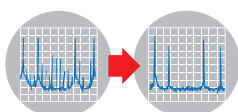


Real Time
Positioning



XYZ
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 frequency plan.



Ultrasonic
HW Protection

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



Embedded
Recorder

Audio recording on
memory card (SD)*

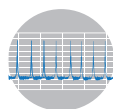


Simultaneous transmit and audio recording on micro-SD (except in USA)



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



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

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 allows full control from mobile or tablet.



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

MRK16



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 batter-
ies simultaneously

Available Q1/2022

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



Item: PHA60
48V Phantom adapter with lemo con-
nector for Tx connection and hooks
for easy pole attachment



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



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



Item: CAL48/S
Audio cable LEMO 3pin to miniXLR-5F
CAL48: 70 cm
CAL48S: 27 cm (recommended for
MTP60)



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)

CONFORMITY



TECHNICAL SPECIFICATIONS
RF SPECIFICATIONS
Frequency range

from 470 to 1075 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

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

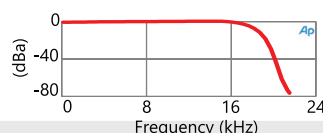
Noise Reduction system

ENS - Wisycom ultra-high performance compander

AUDIO SPECIFICATIONS
**AF bandwidth
in NarrowBand mode (NB)**

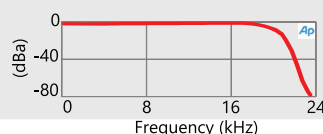
Audio frequency response (dBA):

- 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

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

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 external 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
 $-10 \div +55$ °C

Dimensions

75,7mm x 61,4mm x 19,4mm (HxWxD) without clip

Weight

Approx. 140 g. without batteries (183 g. with lithium batt.)

RECORDER
OTHERS