WISYCOM

MTP 60

MULTIBAND BODYPACK TRANSMITTER

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.

Remote Control

Monitor & control 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 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 SW selectable

High Density 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)*

Wisycom
Via Tiepolo, 7/E I-35019 Tombolo (PD) Italy
Tel. +39 0424 382605 - e-mail : sales@wisycom.com

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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
JP1	660-714 MHz, Max power 10 mW
JP2	806-810 MHz, Max power 10mW
JP3	1240-1260 MHz, Max power 50 mW
KR	470-663 MHz, Max power 100mW + 925-937.5 Mhz, Max power 10mW
AU	520-694 MHz, Max power 100mW
MX	470-608 MHz + 614-832 MHz, Max power 100 mW

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

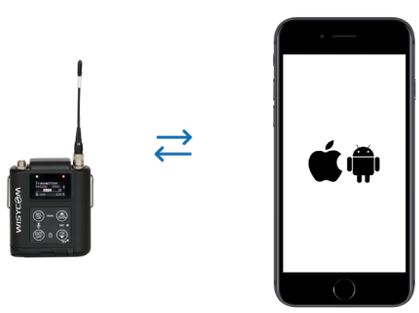
MIC PINOUT

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
PHA60-12V	1 = GND 2 = 3,1 V for Phantom 3 = AF
PHA60-48V	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 or Remote control



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

MRK16

Remote control with the MRK16 as a bridge allows management of the MTP60 over hundreds of meters

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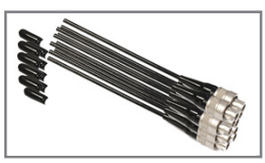
ACCESSORIES & RELATED

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: 6-18V DC feeding



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

Item: PHA60
48V Phantom adapter 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/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: VAP20
Black case for 2 transmitters
compatible with MTP60 and MTB40S
dimension 4.6x20x19 cm (HxWxD)

Antenna type	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
	1k2	**AWF30-B9-1250**	1240-1260

CONFORMITY

CE

UK CA

IC RSS-210 RSS-123

FC PART 74H PART 15C

217-230823
217-230809
217-230825

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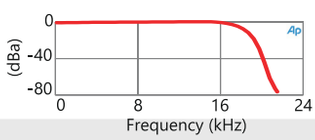
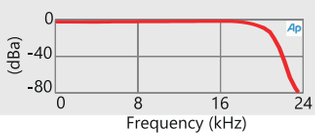
TECHNICAL SPECIFICATIONS

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
	Preamplifier equivalent input noise (EIN)	-120.8dBV @ 2.2dB gain -125.8dBV @ 12.2dB gain
RECORDER	**Storage media**	micro SD memory card (.wav files - BWF)
	Time code	Linear Timecode decoding
	Bit rate	24 bit / 32 bit floating
	Sampling rate	48 kHz
OTHERS	**Managing interface**	Remote control, USB-C
	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.)

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