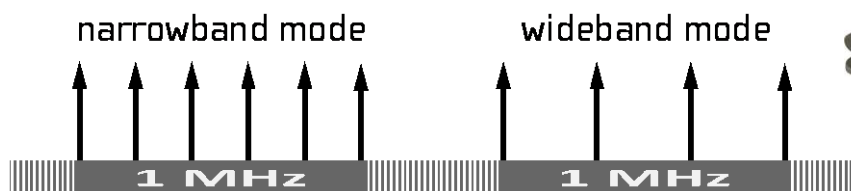


Main Features

- Up to 232 MHz bandwidth in 470/1160 MHz range
- **phase canceling configuration for intermodulation free operation**
- Wideband and Narrowband options available
- Ultra-light metal alloy body
- User selectable multi-companing systems:
 - ENR (noise optimized)
 - ENC (voice optimized)
- Infrared interface for management and firmware update
- Extended regulation on Mic input gain: 80dB in 1dB step
- Input dynamic extension with an integrated **HW limiter (30 dB above peak)**
- Intermodulation free allows **EQUALLY SPACES** frequency allocation:



Example for 8 MHz: 250kHz space → 33 Mic (narrowband), 350kHz space → 23 Mic

- Battery: 1 AA Alkaline, rechargeable NiMH or Lithium
 Autonomy: 11h @ 50mW and @ 20L mW "intermod free operation" (with Lithium),
 8h @ 50mW (with rechargeable NiMH), 4.5h @ 50mW (with Alkaline)
- Max input level 26dBu (15.5 V clipping) to connect directly to mixers and instruments



General Description

*"MTP41S **LINEAR** series is an extremely small and light pocket transmitters especially designed for professional wireless microphone applications"*

Very easy and quick to use thanks to OLED display, dedicated buttons and a joggle selector.

MTP41S **LINEAR** benefits also of the latest Wisycom RF technology along with an **enhanced robustness against noise and inter-modulation.**

TECHNICAL SPECIFICATIONS

Frequency ranges	B7 option: 470 ÷ 663 MHz, B3 option: 510 ÷ 698 MHz, B2 option: 566 ÷ 798 MHz BP option: 806 ÷ 810 MHz, B8 option: 940 ÷ 960 MHz, B6 option: 960 ÷ 1160 MHz
Switchable channels	2400 managed in 40 groups of 60 frequencies completely user customizable
Switching-window	Up to 232 MHz, depending on band (see <i>Variants</i> 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/ 20L mW / 50 mW note: in some countries high power can be disabled, for local norm!
Antenna connector	LEMO-F 1 pin
Modulation	wideband FM, with pre-emphasis (Narrowband on request)
Nominal deviation	±40 kHz Wideband (±25 kHz Narrowband option)
Peak deviation	±56 kHz Wideband (±35 kHz Narrowband option)
Spurious emissions	< 2 nW
Telemetry feature	TX transmits also a digitally modulated sub-carrier, suitable for: <ul style="list-style-type: none"> ▪ tone-squelch operating ▪ remote battery monitoring ▪ 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	45 Hz ÷ 21 KHz (3dB), 55 Hz ÷ 20 KHz (1dB) Wideband with LPF at 20KHz 45 Hz ÷ 17 KHz (3dB), 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 ▪ 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 or DPA, gain selectable -60 ÷ +40dB LEMO connector configurable on 'mic' display menu in 5 options: <ul style="list-style-type: none"> ▪ '2 wires': -54 dBu ÷ +26 dBu peak, no bias voltage ▪ '2 wires + bias': -54 dBu ÷ + 6 dBu peak, 5.5 V on 4k7 bias supply ▪ '3 wires': -54 dBu ÷ +26 dBu peak DPA connector (2 pin microdot audio connector) configurable only <ul style="list-style-type: none"> ▪ '2 wires': -54 dBu ÷ +26 dBu peak, no bias voltage ▪ '2 wires+bias': -54 dBu ÷ + 6 dBu peak, 5.5 V on 4k7 bias supply
Audio input level	from -54 dBu (775 uV) to 26 dBu (15.5 V) at peak deviation (1 kHz), adjustable in 1 dB steps
Max input level	+26 dBu (15.5 V) at clipping, +20 dBu (7.75 V) at nominal level
Managing interface	IrDA
LED	RGB led indication with (red, green and blue) on wireless power switch: <ul style="list-style-type: none"> ▪ Wireless transmission status: GREEN on/RED off ▪ Battery lifetime status: GREEN steady (> 25%), slowly blinking (< 25%), quickly blinking (<12%) ▪ Modulation peek (if activated & the limiter is disabled): RED ▪ Ptt status: RED if active ▪ Limiter into action: Blue
Battery lifetime indication	8 steps : 7 bars (100%-87%-75%-63-50%-38%-25%) and "empty bar" quickly blinking (12% remaining)
Display	High contrast OLED white display (128 x 32 pixels)
Power supply	1 AA size cell (Alkaline, rechargeable NiMH or Lithium)
Battery life	<ul style="list-style-type: none"> ▪ approx. 11 hours @ 50mW and @20mW Intermod Free "20L" level (with Lithium) ▪ approx. 8 hours @ 50mW (with rechargeable NiMH) ▪ approx. 4.5 hours @ 50mW (with Alkaline)
Temperature range	-10 ÷ +55 °C
Dimensions	58.2 x 64.5 x 21.7 mm (HxWxD) with clip
Weight	Approx. 80 g. without batteries (120g with batt.)

MTP41S Linear

POWER PROFILE & COUNTRY FREQ. RANGE:

EU max power 50mW (Europe)

US max power 50mW (USA)

JP max power 10mW (Japan)

OPTIONS:

NB narrow band

• AUDIO CONNECTOR

LM 3 PIN LEMO CONNECTOR

DP 2 PIN DPA MICRODOT CONNECTOR

• COLOR

BL body color black

PV body color titanium grey

• FREQUENCY RANGE

B7 470-663 MHz **B8** 940-960 MHz

B3 510-698 MHz **BP** 806-810 MHz

B2 566-798 MHz **B6** 960-1160 MHz

For the commercial code, see Products area on our website