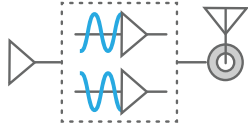




The **MTK952** is a versatile 1RU dual-channel transmitter designed for IEM, IFB applications for live music, broadcast, and more.

Wideband RF Technology featuring a double conversion stage combined with SAW filters intermediate frequencies provides the widest switching bandwidth available at 330MHz, 2400 user-defined frequencies (40 group by 60 freq.). The entire UHF band in one device.



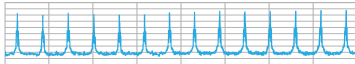
Multi-Companding SHARC™ DSP delivers proprietary audio algorithms for any application with less than 1ms delay allowing you to create and shape presets for the desired sound.

- Mono/Stereo
- Compressor Type
- HPF
- LPF

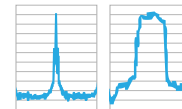


- Pre-Emphasis Deviation
- Tone Squelch Freq
- Tone Squelch Deviation

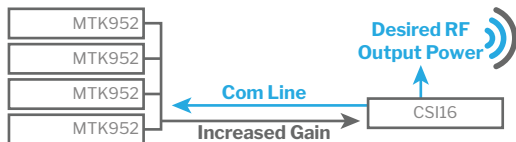
IMD Phase Cancellation advanced linear DSP that allows for evenly spaced frequencies with no intermod issues for more channels and optimum RF spectrum utilization.



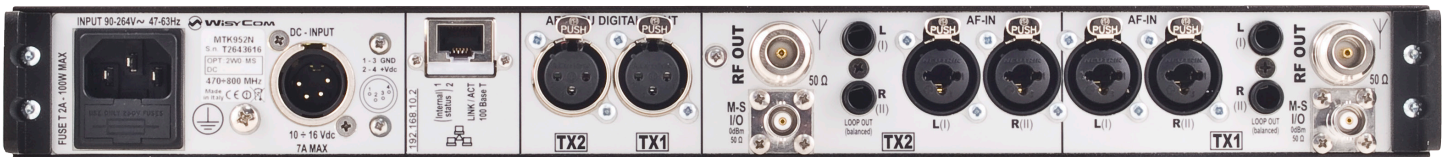
Direct Digital Synthesis (DDS), optimizes frequency agility, lowest possible phase noise, and precise control across the widest RF band, with over 70 db of stereo isolation. Generates virtually any type of RF modulation.



Output Power from 10mW to 2 Watts. Works in conjunction with the Wisycom RF distribution products to automatically compensate for combiner loss to deliver power you need.



Master / Slave (MS option) Send a 0 dBm reference signal from Master to Slave via copper, or fiber via MFL. Allows multiple RF Coverage zones in an integrated platform.



Additional Features:

- Analogue & digital input (AES3),
- Redundant power supply 230/110 Vac & 12 VDC (DC is optional)
- SWR (Stationary Wave Ratio) sensing on antenna outputs.

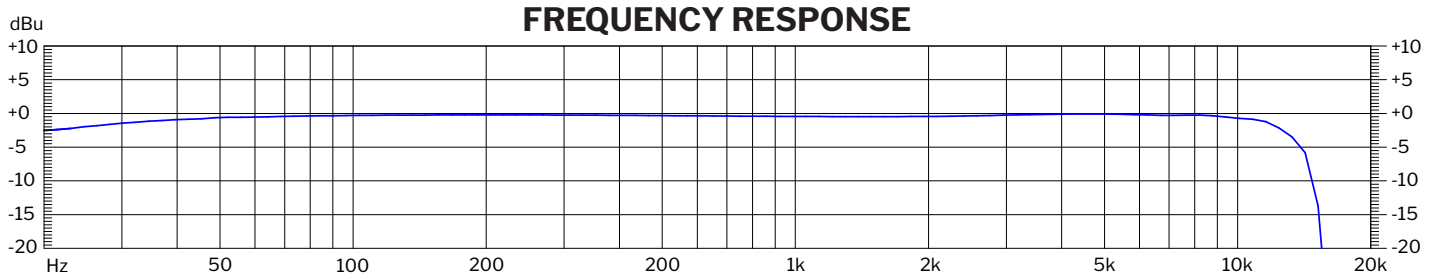


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TECH SPECS

Frequency response	30±15kHz (stereo). * Shown Above 20±20kHz (mono). NOTE: custom setting can change audio bandwidth (3/4/12/15/20kHz).
Switchable channels	2400 allocated by 40 groups of 60 channels quickly selectable with dedicated buttons.
Frequency bandwidth	470-800 MHz.
Switching bandwidth	330 MHz tuneable in 5 kHz steps.
Temperature range	-10 ÷ +55 °C (14° - 131°F).
RF output power	Selectable: 10,20,50,100,200 mW (ERP) for MTK952-0W2.
Max RF output power	MTK952N-0W2: 200mW. MTK952N-2W0: 2Watt. [NOTE] RF power can be limited on frequency base accordingly to specific country restrictions (software based)
"TX1" / "TX2" antenna output	with BNC type female connectors (for MTK952). with N type female connectors (for MTK952N).
M-S I/O	2xBNC type female connectors (only for MTK952N with MS option).
RF impedance	50 Ω.
Spurious emissions	< 2 nW (in the transmitter bandwidth).
Modulation	FM, MPX Stereo or mono, selectable with dedicated menu.
Peak deviation	±56 kHz for mono, ±48 kHz for stereo (preset mode). NOTE: custom setting can set peak deviation from 2kHz to 100kHz.
MPX Pilot tone	19kHz.
Tone squelch	32.789Hz (for Wisycom wireless microphone, i.e. ENR/ENC). 131,8 (for Wisycom intercom, i.e. NR). NOTE: custom setting can change the Tone squelch (30-260Hz and 18-38KHz).
Analog audio input	
Connector type	XLR-3 / 1/4" (6,3mm) jack combo socket, electronically balanced.
Max. input level	+18dBu.
Pin Assignments	XLR: 1=ground 2=hot 3 =cold. 6.35mm (1/4") TRS: Tip=hot Ring=cold Sleeve=ground.
Monitor output	
Connector type	6.35mm (1/4") jack socket, balanced.
output level	120+120mW@24Ω , 80+80mW@150Ω.
out impedance	25Ω for auricle.
Digital audio input	
Connector type	AES3 on XLR-3M (32kHz ±108 kHz)
Compander	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. NONE-d50, no compander, pre-emphasis 50 μs NR, to work with Wisycom Intercom system. Other compander on request.
Display	64 x 256 OLED (yellow).
Configuration/monitor interfaces	10/100 Base TX Ethernet port on RJ45 connector.
Power supply	90 - 264 V AC, 50/60 Hz. Option DC: 10±19 VDC (NOTE: increased to 10±28 Vdc since May 2015), Max 7A.
Dimensions	19"/1U 483 x 407 x 43,8 mm (WxDxH) with brackets.
Weight	3.8Kg (version 200mW with DC and MS options); 4Kg (version 2Watt with DC and MS options)



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