

3COMM⁺

DMR Digital Trunking mobile radio

136~174MHz/350~400MHz/400~470 MHz

TX-M390

DMR/NXDN/PDT
Digital Trunking
Mobile radio



- Digital/Analog
- DMR Conventional /DMR cluster
- DMR single frequency relay
- Dual timeslot
- GPS/ Beidou /GLONASS positioning mode (optional)

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Product technical parameters IP54 DMR Digital Trunking Mobile radio TX-M390

Whole machine part

| | |
|-----------------------------|---------------------|
| Power requirements | 13.6V±15% |
| Dimension (without Antenna) | Around 45×160×160mm |
| Weight | Around 1.5kg |
| Waterproof and dustproof | IP54 |
| LCD display | 1.77-inch LCD |
| Antenna impedance | 50Ω |

General specification

| | |
|---------------------|------------------------------------|
| Frequency range | 136~174MHz;350~400MHz;400~470 MHz; |
| Channel capacity | 500 |
| Channel spacing | 6.25KHz / 12.5KHz / 25KHz |
| Frequency stability | ±1ppm |

Reception performance

| | |
|------------------------------|---|
| Analog sensitivity | 0.22μV (FM @ 12dB SINAD) 0.18μV(typ.) (FM @ 12dB SINAD) 0.3μV(FM 20dB SINAD) |
| Digital sensitivity | 0.30μV(typ.) (@ 5% BER) |
| Intermodulation | 60dB @ 12.5kHz 60dB @ 25kHz |
| Adjacent channel selectivity | 60dB @ 12.5kHz 70dB @ 25kHz |

Transmitting part

| | |
|-----------------------|---|
| Output power | Low: 10W/High: 25W |
| Digital protocol | ETSI TS 102 361-1, -2, -3 |
| Vocoder | AMBE+2 / NVOC |
| Audio distortion | <2% |
| Modulation limitation | 2.5KHz @12.5KHz/5.0KHz @25KHz |
| Frequency modulation | 16K0F3E @25kHz/8K0F3E @12.5kHz/4K00F1D @6.25kHz |

Application scenario



Logistics team



Outdoor self-driving



Taxi



Police

