

# MX920

## DESKTOP BASE STATION\REPEATER

### MX920 Desktop Base Station\Repeater

The MX920 desktop radio is a low cost radio with the similar level of performance as the MX800 in one compact unit. The MX920 is designed for the end user that requires a radio solution without the added cost of a fully functional radio but avoiding the back-to-back mobile units offered in other products of a similar size.



The radio is housed in a 3RU height cabinet and is available in both horizontal and vertical packages. Although primarily intended for desktop operation, a 19" rack mounting tray is available. The MX920 is simple to operate, with rotary front knobs for Volume and Squelch/Mute level adjustments and a dual push wheel thumb switch allows for up to 99 channels to be selected. The front panel display LEDs indicate base station status and a push on/off switch selects or cancels repeater mode. A 3 Watt speaker provides loud and clear audio output. It can internally accommodate a power supply, duplexer and backup battery.

The MX920 is easy to configure with few optional features and no hardware links, DIP switches, tuneable components, hardware adjustments or settings necessary. Transceiver programming and configuration is by means of a 'terminal emulation' or 920Tools program utility running on a PC through an RS232 port.

The MX920 is designed for stand-alone operation and does not provide any system interfacing facilities. It has a Microphone socket on the front panel.

### Options for the MX920 Include:

- Desk Microphone
- Internal PSU
- Internal Duplexer Mount
- Internal Simplex relay
- Internal Battery backup
- Horizontal or vertical desktop case
- 19" Rackmount tray
- Wall mountable kit

### Feature Highlights of the MX920 include:

- 100% full power duty cycle.
- Popular VHF and UHF bands.
- RX & TX Switching BW covers full sub band (35MHz).
- High Speed CTCSS, Duplex DCS/DPL encoder/decoder.
- DTMF encoder/decoder.
- Remote controllable Multi tone CTCSS community decoder.
- Duplex or Repeater mode selectable from front panel.
- Programmable 12.5/25kHz channel spacing.
- Broad Band High Efficiency LDMOS PA module.
- Low RFI and EMI emission design.
- Fast and simple disassembly.
- Fully Programmable via PC or serial device.
- Flash Firmware Upgrade Capable.
- Software defined setup.
- Compact all in one cabinet.



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