



**MVP**  
VOICE



# MVP 838 PLUS

Digital Mobile Radio



Built to the highest standard to equip you and your team with rugged yet reliable and secure digital mobile radio. Make your workplace more efficient with outstanding digital voice and advanced features such as seamless switch to analogue mode and back. Rated IP65 for superior protection against water and dust.



IP65  
Rating



Analogue + Digital  
Mode



MIL810F  
Tested



Wide Band  
Frequencies



Versatile Calls  
& Data Service



Superior  
Digital Voice

## TECHNICAL SPECIFICATIONS

<b>Frequency Range</b>	400-470MHz	<b>FM Hum &amp; Noise</b>	-40dB
<b>Channel Info</b>	32 Channels, 2 zones Multi-channel Scan 12.5kHz / 25 kHz channel spacing	<b>4FSK Digital Mode</b>	12.5kHz (data only); 7K60FXD
<b>Power Features</b>	Operating voltage: 7.5v 1700 mAh Li-ion Battery Analogue mode: 14h Digital mode: 11h	<b>4FSK Modulation Accuracy</b>	12.5kHz (data+voice); 7K60FXE
<b>Audio Features</b>	Voice Channel Annunciation Squelch tail elimination Emergency Alert 60 seconds per voice message Whisper	<b>Nonactive Slot Power</b>	5% @ 25°C, 10% @ extreme temp
<b>Operating Temp</b>	-30°C to 60°C	<b>Audio Response (300-3000Hz)</b>	-1 -3dBm
<b>Dimensions</b>	96.5 (H) x 54 (W) x 33 (D) mm	<b>Digital Protocol</b>	<3%
<b>Antenna Impedance</b>	50 Ω	<b>Vocoder</b>	AMBE+2
<b>Weight</b>	275 g (inc. battery)	<b>Receiver</b>	
<b>Protection Rating</b>	IP65 Water Resistant, Compliant to MIL-STD 810	<b>Analogue Sensitivity</b>	0.35µV/ -116dBm (20dB SINAD) 0.22µV/ -120dBm (12dB SINAD)
<b>Transmitter</b>		<b>Digital Sensitivity</b>	0.22µV/ -120dBm (BER 5%) 0.25µV/ -118dBm (BER 1%)
<b>Frequency Stability</b>	1.0ppm (-30°C to 60°C, 25°C ref)	<b>Intermodulation</b>	TIA603 70dB; ETSI 65dB
<b>Power Output</b>	1W (L), 4 (H)	<b>Adjacent Channel Selectivity</b>	TIA603C 705dB; TESI : 70dB@25kHz TIA603C 60dB; TESI: 60dB@12.5kHz
<b>Conducted/Radiated Emission</b>	-36dBm<1Ghz; -30dBm>1Ghz	<b>Spurious Rejection Blocking</b>	TIA603C : 75dB; ETSI:70dB 84dB
<b>Adjacent Channel Power</b>	-60dB	<b>Rated Audio</b>	750mW/1000mW
<b>Adjacent Transient</b>	-50dB	<b>Audio Distortion @Rated Audio</b>	3%
<b>Channel Power</b>		<b>Audio Response (300-3000Hz)</b>	+1 -3dB
<b>FM Modulation Mode</b>	12.5kHz; 11K0F3E	<b>Conducted Spurious Emission</b>	-57dBm<1Ghz; -47dBm>1Ghz ETS300086
<b>Modulation Limiting</b>	+/- 2.5KHz@12.5KHz		

## OPTIONAL ACCESSORIES



One-piece PTT Earpiece

G-Shell PTT Earpiece

2-Wire Surveillance Kit

Carrying Pouch

G-Slot Charger

## CONNECTIVITY WITH BODY CAMERA

Combines a body camera, docking station\*, & a user-friendly software\* (Video Evidence Management System).

\*Sold separately. Minimum PC requirements: Windows OS, Intel i5 processor, 4GB RAM; per PC supports up to 3-multidock station of 18 sets video downloads.

