



## ON-SITE TWO-WAY BUSINESS RADIOS AND ACCESSORIES

# XT400 SERIES BUILT TOUGH TO DO BUSINESS BETTER

Motorola XT400 Series two-way radios have the business smarts to help people work better together – coordinating resources at the construction site or monitoring production on the manufacturing line. They come with the right credentials to give business the competitive edge: exceptional quality, affordability and durability to outlast high

that enable you to programme non-display radios on the go. A carry holster with swivel belt clip lets you rotate the radio to fit comfortably and move freely while picking up a tool or restocking a shelf and the antimicrobial coating helps prevent the growth of mould and germs on the surface of the radio – as you change shifts, pass on the radio confidently.

### KEEP ON TALKING IN TOUGH CONDITIONS

Military Standard 810 C, D, E, F and G plus IP55 may be the standards for other radio manufacturers, but they are the starting point for our XT400 Series. These radios undergo Motorola's

### FEATURES:

- Operates on license and subscription-free PMR446 frequencies
- 8 Channels
- On/off/volume control knob
- 16-position channel/code selector knob
- Autoscan
- Battery Save

PRODUCT SPEC SHEET

XT400 SERIES RADIOS AND ACCESSORIES

GENERAL SPECIFICATIONS					
	XT420	XT460			
Frequency Range	PMR446 (446.00 – 446.1 MHz)				
Audio Output	1500 mW				
Channel Capacity	16 Channels				
Channel Bandwidth	12.5kHz				
Private Codes	219 codes (CTCSS 38, DCS 181)				
Dimensions with: Standard Li-Ion Battery	116 x 58 x 40 mm				
Weight with: Standard Li-Ion Battery	244g	256g			
Average Battery Life @ 5/5/90 <sup>2</sup> with Standard 2150 mAH Li-Ion Battery	Up to 20 hours with battery save on				
Battery Voltage	3.7V Li-Ion				
RECEIVER					
Sensitivity (12 dB SINAD)	-122 dBm (0.18 µV)				
Adjacent Channel Selectivity	70 dB @ 12.5 kHz				
Intermodulation Rejection	70 dB				
Spurious Response Rejection (blocking 1 MHz)	90 dB				
Audio Distortion	< 5%				
CSO Hum and Noise @ 12.5 kHz	-50 dB				
PL Hum and Noise @ 12.5 kHz	-50 dB				
DPL Hum and Noise @ 12.5 kHz	-45 dB				
Spurious Emissions (< 1 GHz)	< -54 dBm				
Spurious Emissions (> 1 GHz)	< -52 dBm				
Audio Output @ < 5% Distortion	1.5W @ 8 ohms				
TRANSMITTER					
RF Output	0.5 Watt				
Frequency Stability	< 1.5 ppm				
Spurs and Harmonics	-36 dbm for f < 1GHz, -30 dbm for f> 1GHz				
FM Hum and Noise	< -45 dB				
Modulation Limiting	±2.5 kHz @ 12.5 kHz				
Adjacent Channel Power	70 dBc				
Spurious Emissions @ 12.5 kHz	-36 dbm for f < 1GHz, -30 dbm for f> 1GHz				
Audio Frequency Response (0.3 - 3.0 kHz)	+1 to -3 dB				
Audio Distortion	< 2%				
MILITARY SPECIFICATIONS					
Standard	MIL 810 C	MIL 810 D	MIL 810 E	MIL 810 F	MIL 810 G
Low Pressure	500.1 / Procedure 1	500.2 / Procedure 2	500.3 / Procedure 2	500.4 / Procedure 1	500.5 / Procedure 1
High Temperature	501.1 / Procedure 1,2	501.2 / Procedure 1,2	501.3 / Procedure 1,2	501.4 / Procedure 1,2	501.5 / Procedure 1,2
Low Temperature	502.1 / Procedure 1	502.2 / Procedure 1,2	502.3 / Procedure 1,2	501.4 / Procedure 1,2	501.5 / Procedure 1,2
Temperature Shock	503.1 / Procedure 1	503.2 / Procedure 1	503.3 / Procedure 1	503.4 / Procedure 1	503.5 / Procedure 1
Solar Radiation	505.1 / Procedure 1	505.2 / Procedure 1	505.3 / Procedure 1	505.4 / Procedure 1	505.5 / Procedure 1
Rain	506.1 / Procedure 1,2	506.2 / Procedure 1,2	506.3 / Procedure 1,2	506.4 / Procedure 1	506.5 / Procedure 1
Humidity	507.1 / Procedure 2	507.2 / Procedure 2,3	507.3 / Procedure 2,3	507.4 / Procedure 3	507.5 / Procedure 3
Dust	510.1 / Procedure 1	510.2 / Procedure 1	510.3 / Procedure 1	510.4 / Procedure 1	510.5 / Procedure 1
Vibration	514.2 / Procedure 8,10	514.3 / Procedure 1	514.4 / Procedure 1	514.5 / Procedure 1	514.6 / Procedure 1
Shock	516.2 / Procedure 1,2,5	516.3 / Procedure 1,4	516.4 / Procedure 1,4	516.5 / Procedure 1	516.5 / Procedure 1
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature	-30°C <sup>3</sup> to +60°C				