

# XT600d SERIES UNLICENSED TWO-WAY RADIOS

## SAY MORE. DO MORE. GO DIGITAL.

XT660d & XT665d are license-free analogue and digital PMR446 radios with a display and full keypad. Enjoy enhanced digital calling, remote control and more, so you can keep your team connected like never before.



### GENERAL SPECIFICATIONS

	XT660d	XT665d
Frequency Range	Analogue – PMR446 (446.0 – 446.2 MHz) Digital – 446.1 - 446.2 MHz, 446.0 - 446.1 MHz	Analogue – PMR446 (446.0 – 446.1 MHz) and LPD (433.075-434.775 MHz) Digital - 446.0 - 446.1 MHz
Number of Channels	128 (4 zones X 32 channels)	
Private Codes	Analogue - 219 codes (CTCSS 38, DCS 181) Digital - 64 colour codes	
Channel Bandwidth	Digital – 6.25 kHz Analogue - 12.5 kHz (XT660d), 12.5/25 kHz (XT665d)	
Dimension with Standard Li-Ion Battery	116 x 57 x 38mm	
Weight with Standard Li-Ion Battery	262g	
Audio Output @ 8 ohm internal speaker	1.5W	
Average Battery Life @ 5/5/90 with Standard Li-Ion Battery	Up to 20 hours with battery save on (500mW Tx Power)	
Battery Voltage	3.7V Li-Ion	



## RECEIVER SPECIFICATIONS

	Analogue (Reference : ETSI EN 300 296)	Digital (Reference : ETSI EN 301 166)
Sensitivity	< 26 dBuV/m	< 26 dBuV/m
Adjacent Channel Selectivity	82 dBuV/m	50 dB
Intermodulation Response Rejection	77 dBuV/m	71 dBuV
Spurious Response Rejection	92 dBuV/m	76 dBuV
Blocking	106 dBuV/m	90 dBuV
Spurious Radiations	-57 dBm (<1GHz) -47 dBm (>1GHz)	-57 dBm (<1GHz) -47 dBm (>1GHz)

## TRANSMITTER SPECIFICATIONS

	Analogue (Reference : ETSI EN 300 296)	Digital (Reference : ETSI EN 301 166)
Transmit Power (ERP)	500mW for PMR446 and Digital PMR446 10mW for LPD	
Frequency Error	± 1.5 kHz	± 0.625 kHz
Radiated Spurious Emissions	-36 dBm @ < 1 GHz -30 dBm @ > 1 GHz	-36 dBm @ < 1 GHz -30 dBm @ > 1 GHz
Adjacent Channel Power	-60 dB	-60 dB
Alternate Channel Power	-70 dB	-70 dB

## MILITARY SPECIFICATIONS

STANDARD	MIL STD 810 C	MIL STD 810 D	MIL STD 810 E	MIL STD 810 F	MIL STD 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 <sup>2</sup>	-30C to +60C
Sealing	IP55
Shock and Vibration	Satisfied EIA 603
Dust and Humidity	Satisfied EIA 603

1. 446.1-446.2 MHz analogue frequencies should only be used in countries where these frequencies are allowed by government authorities.  
2. Radio Only - Li-Ion battery -10C to +60C

## KEY BENEFITS

### 1. ENHANCED CALLING CAPABILITIES IN DIGITAL MODE

- **PRIVATE CALL** - Private and secure digital one-to-one calling. This can be done by choosing a private contact from the contact list and then PTT, or simply press the pre-programmed side side button with One Touch Access. This radio can store up to 512 contacts.
- **GROUP CALL** – Make a Group Call to a group of individuals from your contact list with one simple PTT press. This radio can setup 16 groups for Group Call.
- **ALL CALL** – You can communicate to everyone when the channel is available.

### 2. REMOTE MONITOR AND CONTROL OF TARGET RADIO

- **REMOTE MONITOR** - Sometimes you need to find out more about a radio's situation. For example, when one of your staff is unresponsive, or when a radio is suspected stolen. You can discreetly activate the target radio's microphone, and listen in to what is happening.
- **REMOTE CHECK** - Allows you to "ping" the target radio to check if the radio is turned on or within talk range. Upon receiving your "ping" successfully, target radio will reply with an acknowledgement tone.
- **REMOTE ENABLE/DISABLE** - To have proper control over your radio fleet, you need to be able to remove rogue or stolen radios from service – then re-enable them when they're recovered. This feature allows you to remotely disable and re-enable other radios.

### 3. FULL KEYPAD FOR ENHANCED TEXTING

- User Customizable Text Messaging allows you to enter text message up to 128 alphanumeric characters.
- Also supports up to 50 pre-programmable messages. Allows you to send quick texts such as "Gather At Point A", "Lunch Now", etc to your contact.

### 4. AUDIO RECORDING AND PLAYBACK BUTTONS

- Record important radio conversation during call. Up to 3 minutes per recording (5 recordings).
- Playback recorded conversation from the radio as and when required.

### 5. ENHANCED AUDIO

- 1.5W speaker provides loud and clear audio.
- Digital mode reduces background noise especially at fringe area.

### 6. MIXED FLEET CAPABILITY

- Use in analogue mode with other compatible PMR446 radios.

### 7. DISPLAY

- View incoming text messages, your contact list, caller ID, battery life, and signal strength on the brilliant LCD display. And the Voice Assist function can even read out radio status.

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Availability is subject to individual country law and regulations. All specifications shown are typical unless otherwise stated and are subject to change without notice.

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