

MITEX

Mitex Security UHF Two Way Radio Information Sheet

A compact & powerful professional 5 Watt hand held radio (Walkie Talkie) suitable for most general security applications.

Mitex units are extremely durable and are manufactured to the highest standards possible. They give clear and reliable communication, even in the harshest of environments. Mitex supply ready to use 'straight from the box' two way radio communications that simplify the solution to your communications requirements. Mitex Radios offer a quick and easy way to create communications in most applications and are programmed back to back for quick and easy use. We believe we are the future for most Business, Security, Site, Country and Sport comms applications, we hope you agree.



Actual size

10x
More Output Power
than licence free
alternatives

Mitex Accessories

Mitex also supply a comprehensive range of quality audio accessories for all Mitex radios.



The Mitex Security Pack

Mitex Security is our dedicated unit for general Security use. These Professional 2 way hand held radios are complete and ready to go. Ideal for individuals and small business who have a general security communication need.

The Security Pack includes

- 1 x Mitex Security High Power Two Way Radio with antenna
- 1 x Li-ion Battery Pack
- 1 x intelligent charging pod
- Instruction book and License form

All pre programmed back to back and ready to use straight from the box.



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Equipment and Accessories Supplied

Mitex General Radio	x 1
Li-ion Battery Pack	x 1
AC adaptor	x 1
Intelligent Charger Pod	x 1
Antenna	x 1
Wrist strap	x 1
Belt Clip	x 1
User Manual	x 1
License application	x 1



Unit functions

- Scan Function
- Time-out Timer (TOT)
- Battery Saver
- Low Battery Alert
- Monitor

CTCSS and DCS

These codes are pre-set and programmed by Mitex (www.mitex.co.uk)

VOX Function

VOX is programmed into the unit as standard.

This enables a user to transmit and call other users (When using a VOX enabled headset) without having to first press the PTT button.

Transmitter

Carrier Frequency Error	<5 x 10 ⁻⁶
Carrier Output Power	<5W
Modulate Limit	<5KHz
Audio distortion	<5%
Modulate characteristics	±3dB
Adjacent channel Power	>65dB
Spurious response	<7.5µW
In use Band	<16Khz

Receiver

Reference Sensitivity	12dB (SINAD) 0.18µV
Audio distortion	<5%
Audio response	+2dB~ -10dB
Common Channel Rejection	-8dB
Adjacent Channel Selectivity	>55dB
Inter-modulation distortion	>55dB
Spurious response	>55dB
Blocking characteristic	>85dB

Unit Technical Specification

Frequency range (Preset by Mitex)	(UHF) 403-470MHZ
Number of channels (Preset by Mitex)	16CH
Span of channels (Preset by Mitex)	25KHZ / 12.5 KHZ
Step of channels (Preset by Mitex)	5, 6.25KHZ
Working Voltage	7.2V DC +/- 20%
Battery	Lithium Battery (1300mHA)
Working temperature	20°C to +60°C
Frequency stability	+/-2.5ppm (-20°C to +60°C)
Antenna Impedance	50Ω
Dimensions	52 x 28 x 100mm (not including bulge)
Weight	200g (including Battery and antenna)



Mitex has a policy of continuous improvement which determines our right to change specification or design and function without notice.

