The PT400 has been designed for the professional user, with a rugged and robust housing which meets Military Standard MILSTD810F for ingress and shock resilience. The IP65 rating against dust and water ingress makes the PT400 usable in the toughest of environments.

Fitting comfortably in the hand, not only is the compact PT400 tough - its smart too, with inbuilt features for Personal Protection Equipment such as Lone Worker functions and a Panic Alarm button - all programmable to allow ultimate flexibility and control. Thanks to BTL (Bridge Tied Load, which effectively doubles the output to the speaker) technology and a crisp Loudspeaker giving 1 Watt of audio output the PT400 is much better to hear in noisy environments than its competitors. Being powered at 7.4V rather than 3.6V the audio is punchy and powerful.

The radio has a standard "M1" fit audio accessory connector and there is full compatibility with the "Lynx" range of radios, sharing battery chargers and audio accessories.
Voice annunciation of Channel number allows simple operation and the battery status can be easily checked at the press of a button to give a voice annunciation of its state.
The radio comes complete with a high capacity Li-ion battery and single way fast charger, with six way chargers available as an optional extra.
As part of the award winning "Lynx" series of two way radios, the PT400 is a no compromise radio, with superb design and technical quality as well as intuitive operation and punches well above its weight (literally) when compared to other professional PMR446 radios.

Key Features

- **IP65 rated for water & dust protection**
  Allows use in harsh environments, coupled with MILSTD 810F for robustness

- **Alarm Features:-**
  Lone Worker
  Panic Button
  Programmable Alarm Buttons

- **Powerful 1 Watt Audio Output**
  BTL Technology output, makes radio louder than most competitors nd allows clear speech even in noisy environments.

- **Voice Annunciation**
  Award winning Alarm Voice Alerting
  Channel Annunication
  Battery Level Annunciaton

- **Fully Programmable Features**
  All programmable by your supplier: CTCSS (Tone Squelch), DCS (Digital Tone Squelch), VOX (Voice Operated Transmit) , Scanning, Key Functions.

- **Efficient Antenna**
  The impedance matched fixed antenna seamlessly couples the output of the radio to give maxiumum performance.

LONE WORKER ALARM & PANIC BUTTON

The programmable Lone Worker Alarm operates when the radio user fails to press a button after a pre-programmed time period, from 1 minute to 255 minutes, starting a local warning to the radio user, with an audible alert tone, followed by a full Alarm condition if the radio is not activated by the user to indicate that they are OK. If the user fails to reset the Lone Worker then the Main Alarm will be activated.
The top mounted Panic button can also be programmed to send an alarm signal when pressed.
Both alarms can be set (by your dealer) to alert locally or send an alarm signal to other radios in the group for summoning assistance.

IP65 and MILSTD810F

All Lynx radios are built to exceed IP65 for ingress of water and dust, as well as exceeding MILSTD 810F for shock, vibration, solar radiation, rain, humidity and salt fog. This level of robustness makes the radio suitable for harsh environments where standard IP54 rated radios will generally fail due to the lack of protection against dirt and fluid ingress. Internal seals and "O" rings protect the main circuit board, the audio accessory connector is sealed with a tight rubber cover and the microphone has a waterproof membrane cover. The speaker is mylar plastic film and sealed in, alongside all other potential ingress points with silicone.

AUDIO QUALITY

All Lynx radios have a powerful audio amplifier circuit, which gives a clear, crisp and powerful "punch" even in noisy environments.
The radio is rated at 1 Watt power achieved by using "BTL" (balanced tuned load) technology which allows a much bigger signal to be sent to the speaker and outperforms its competitors easily. This "HiFi" approach to audio delivery allows a crisp signal without distortion to be be appreciated by the user. A range of audio accessories are available to fit the universally standard "M1" plug fitting (Motorola 2 pin).

SPECIFICATIONS / **General**	Channels	16 as Standard, with option for up to 32, including New PMR446 channels Specified on ordering
	Zones	Up to 2 (programmable)
	Power Supply	7.5V DC KB40-01 1300mAh, KB50-01 1700mAh
	Frequency Range	446.00625 - 446.19375
	Channel Spacing	12.5KHz with 6.25Khz step
	Emission Types	FM (11K0F3E)
	Operating Temperature Range	-30°C - +60°C
	Antenna	50 Ohm SMA connector. Fixed Stubby Helical.
	Current Drain	TX: <0.5A, RX (max audio): <330mA, Standby: <70mA
	Average Battery Life (@ 5/5/90)	>15hrs
	Environmental Rating	IP65 and MILSTD 810C/D/E/F
	Dimensions	96.5mm Height (excl. antenna), 54mm Width and 33mm Depth (with standard battery)
	Weight	<245g incl battery and antenna
Receiver	Sensitiivity	0.35uV/ -116dBm (20dB SINAD), >0,2uV/ -120dBm (12dB SINAD)
	Intermodulation	TIA603: 70dB;/ ETSI: 65dB
	Adjacent Channel Selectivity	TIA603C: 60dB/ ETSI: 60dB @12.5KHz
	Spurious Rejection	TIA603C: 75dB/ ETSI: 70dB
	Rated Audio Output	1W into Speaker / 750mW into Accessory output
	Audio Distortion	<3% at Rated output
	Audio Response	+1~-3dB
	Conducted Spurious Emission	-57dBm,1GHz, -47dBm>1GHz ETSI 300086
Transmitter	Frequency Stability	>2.50ppm
	Power Output	500mW fixed
	Modulation Limiting	+/-2.5KHz@12.5KHz
	FM Hum and Noise	-40dB @12.5KHz
	Conducted/ Radiated Emissions	-36dBm <1GHz, -30dBm >1GHz
	Adjacent Channel Power	<-60dB
	Audio Response	+1~ -3dB (300-3000Hz)
	Digital Protocol	ETSI TS 102 361-1, -2, -3
	Audio Distortion	<3%

R&TTE and R.E.D. (Radio Equipment Directive)

The PT400 has been fully independently tested in accordance with the R&TTE directive 1999/5/EC and the Radio Equipment Directive (RED) 2014/53/EU which came into effect as of 13th June 2017 with the following standards/ specifications:
ETSI EN60950-1 +A11, ETSI EN301 489-1/5, ETSI EN301 086 V2.1.2 (2016-08).

The PT400 and PT500 series is also tested in accordance with EN5056: 2017/EN62209-1: 2016/ EN62209-2: 2010 and REDCA technical guidance note 20 for SAR testing and assesment guidance, for compliance in Specific Absorption Rate (SAR) limits applicable to the occupation/ controlled exposure that are specified in ICNIRP guidelines.

Dealer Details

Standard Package:

Radio   Battery   Fixed Antenna   Belt Clip   CP02 Pod   UK PSU

CE   UK CA