

Lynx PT400

IP65 UHF Licence Free PMR446 Portable Transceiver with Personal Protection Features

IP65 rated for dust and water protection

Allows use in harsh environments, coupled with MILSTD 810F for robustness

Powerful 1 Watt Audio Output

BTL Technology output, makes radio louder than most competitors and allows clear speech even in noisy environments

Panic Alarm

Fully programmable Internal Safety features for protection of User

Voice Annunciator

Gives clear indication of Channel and Battery power

Fully Programmable features

Programmable: Scanning, Call Keys, Lone Worker, CTCSS Scan

1500mAh Li-lon battery pack

High Power battery pack gives in excess of 15 hours use

VOX

Allows Voice Activated/Hands Free Transmission, either Internal or external

Lone Worker

Allows protection of user with programmable Lone Worker Alarm

Programmable Keys

Dealer programmable keys for additional functions

Licence Free

Allows Licence exempt use across most of Europe, set on 16 combinations of the Pan-European PMR446 band

"Z" matched antenna

The fixed, flexi whip, antenna is specifically Z matched to give ultimate range and performance

The PT400 has been designed for the professional user, with a rugged and robust housing which meets Military Standard MILSTD810F for ingress and shock resiliance.

The IP65 rating against dust and water ingress makes the PT400 usable in the toughest of environments,

Small, compact and fitting comfortably in the hand, not only is the 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 technology and a crisp Loudspeaker giving 1 Watt of audio output the PT400 is much better to hear in noisy environments than its competitors. 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 (1500mAH Li-ion) battery and single way fast charger, with six way chargers available as an optional extra.



Part of the Lynx range of smart and agile equipment, but without "Fat Cat" prices



Lynx PT400

IP65 rated PMR446 Portable Transceiver with Personal Protection functions

Key Features in more detail:-



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.

The pre-timer allows the user some time once the "Lone Worker" time has expired to reset the timer by activating a key and can be programmed from 0 sec - 255 sec before the Main alarm is activated. If the user fails to reset the Lone Worker then the Main Alarm will be

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

The Lynx PT400 is built to meet 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 "M1" fitting audio accessory connector is sealed by a rubber cover and the ON/OFF switch has a protective guard to reduce damage if dropped.



Audio Quality

The Lynx PT400 has 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 with a water resistant mylar film speaker.

The power rating is 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

A range of audio accessories are available to fit the universally standard "M1" plug fitting

Accessories available: - A selection

KBC06, six way charger



RED1W01, Covert Kit



REDSM01, Speaker/mic



REDEH01, Ear cup/mic



Noise Defending



Specifications

General Specifications

Power Supply:-7.5V DC +/- 20% 446.00625 - 446.09375MHz Frequency Ranges:-Number of Channels:-16 Channels/ 32 Channels

Channel Spacing: PLL Step:-FM (11K0F3E) Type of Emission:-

TX (high): <0.5A, RX (max audio): <330mA, Standby: <70mA Audio Distortion:-Current drain:-

Antenna Impedance:-50 Ohm SMA fixed antenna

Operating Temperature:--30°C - +60°C

Dimensions H x W x D (mm):-96.5mm x 54mm x 32mm with standard Li-ion battery

<235g with standard battery and antenna Average battery life (5/5/90):->15hrs with standard battery (1500mAh) MILSTD810F/MILSTD810C.D&E. IP65 for dust/water MILSTD & IP Rating:

Transmitter Specifications

2.5ppm (-30°C to +60°C, 25°C ref) Frequency Stability:

Power Output-500mW ERP +/- 2.5KHz (12,5KHz) Modulation Limiting: <-40dB typical FM Hum and Noise:-

Conducted/Radiated Emissions:-<-36dBm, <1GHz, -30dBm, >1GHz

<-60dB @ 12.5KHz Adjacent Channel Power: +1 ~ -3dB (300-3000Hz) Audio Respons

Audio Distortion:-

Receiver Specifications

Sensitivity (12dB SINAD) EIA:->0.28uV @ 12.5KHz Sensitivity (20dB SINAD) ETS:->0.50uV typical Intermodulation EIA:->70dB

Adjacent Channel Selectivity:->60dB @ 12.5KHz Spurious Rejection:->70dB

Typically 1W Rated Audio: <3% @ rated audio Audio Response:-+1 ~-3dB

Conducted Spurious Emission:--57dBm @ <1GHz / -47dBm @ >1GHz (ETSI 300-086)

R&TTE Information

The PT400 is tested and certified in accordance with the R&TTE directive 1999/5/EC against the following standards/specifications: EN 60950-1+A11. EN301 489-1/-5. EN300 086-1/-2.

The PT400 carries the confirmation labelling: (£ 1313 (!)

Your Local Dealer/Distributor:



All stated specifications and measurements are in accordance with EN300-086 Specifications are subject to change or ongoing improvement.

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