



- **IP65 rated for dust and water protection**
Allows use in harsh environments
- **Wideband - 136-174MHz (VHF)
400-470MHz (UHF)**
- **2 Tone, 5 Tone, DTMF & MDC1200 signaling**
Flexible, programmable signaling for all systems requirements
- **Powerful 1 Watt Audio Output**
BTL Technology output, makes radio louder than most competitors and allows clear speech even in noisy environments
- **Man-Down, Lone Worker & Panic Alarms**
Internal Safety features for protection of User
- **Voice Annunciator**
Gives clear indication of Channel and Battery power in English
- **Voice Recorder**
Allows Radio User to record messages, record evidence sounds, or a calling radio to leave a message
- **Stun/Revive and full Programmable features**
Allows a lost/stolen radio to be de-activated remotely
- **1700mAh Li-Ion battery pack**
High Power battery pack gives in excess of 15 hours use
- **GPS Option**
Optional Internal GPS system for tracking portable radio and interfacing information to a simple map
- **VOX**
Allows Voice Activated/Hands Free Transmission, with either Internal Microphone or using suitable accessory
- **Embedded Serial Number and Message**
Allows Inventory control and Owner information to be retrieved

The PT600 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 PT600 usable in the toughest of environments.

Not only is the PT600 tough - its smart too, with inbuilt features for Personal Protection Equipment such as Man-Down sensor, Lone Worker functions and a Panic Alarm button - all programmable to allow ultimate flexibility and control.

The additional programmable Voice Recorder makes the PT600 a powerful tool in security and operations and this unit is loud !!! - Thanks to BTL technology and a crisp Loudspeaker giving 1 Watt of audio output the PT600 is much better to hear in noisy environments than its competitors. A full range of accessories are available to fit the universal "M1" jack socket.



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

Key Features in more detail:-



MAN DOWN ALARM

The programmable Man Down Alarm operates when radio unit is tilted beyond around 45 degrees from vertical, starting a local "pre-alert" warning to the radio user, with an audible alert tone, followed by a full Alarm condition if the radio is not picked up back to its normal vertical position.

The pre-timer allows the user some time if accidentally tilted, and can be programmed from 0 seconds up to 255 seconds, before the Man-down alarm is activated.

Both the "Man-down" time and the "reminder" time can be programmed by your dealer for best working practice and environment.



LONE WORKER ALARM

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 activated.



IP65 and MILSTD810F

The Lynx PT600 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 (excluding submersing in water), 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.



DIGITAL RECORDING FUNCTION & ANNUNCIATION

An inbuilt solid state recording function allows local sounds, messages, memos, evidence etc to be recorded by the radio for up to 60 seconds, by the user at the press of a button.

Additionally, if programmed for 2 tone/5 tone selective calling, the radio can act like a telephone answering machine, with a calling party leaving a voice message on the receiving radio by activating a "leave message" button on their radio. The user can access and listen to the message at the touch of a button which is programmable.

In addition, there is a digital Voice Annunciator to confirm the channel selected and battery level.

Specifications

General Specifications

Power Supply:-	7.5V DC +/- 20%
Frequency Ranges:-	136-174MHz (PT600-01) / 400-470MHz (PT600-02)
Number of Channels:-	16 channels
Channel Spacing:-	12.5KHz / 20KHz / 25KHz programmable
PLL Step:-	2.5KHz / 5KHz / 6.25KHz
Type of Emission:-	FM (16K0F3E / 11K0F3E)
Current drain:-	TX (high): <1.5A, RX (max audio): <330mA, Standby: <70mA
Antenna Impedance:-	50Ohm SMA connector
Operating Temperature:-	-30°C - +60°C
Dimensions H x W x D (mm):-	113.5mm x 54mm x 33.5mm with standard Li-ion battery
Weight (g):-	<280g with standard battery and antenna
Average battery life (5/5/90):-	>15hrs with standard battery (1700mAh)
Audio Accessory Connection:-	M1 (similar to Motorola 2 pin/GP300)

Receiver Specifications

Sensitivity (12dB SINAD) EIA:-	>0.28uV @ 12.5KHz / >0.25uV @20/25KHz
Sensitivity (20dB SINAD) ETS:-	>0.50uV typical
Intermodulation EIA:-	>70dB
Adjacent Channel Selectivity:-	>60dB @ 12.5KHz / >70dB @ 20/25KHz
Spurious Rejection:-	>70dB
Audio Distortion:-	<3% @ rated audio
Audio Response:-	+1 ~ -3dB
Conducted Spurious Emission:-	-57dBm @ <1GHz / -47dBm @ >1GHz

R&TTE Information

The PT600 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 PT600 carries the confirmation labelling:-



Transmitter Specifications

Frequency Stability:-	2.5ppm (-30°C to +60°C, 25°C ref)
Power Output:-	1W (Low), 2W (Medium), 4W (High/UHF), 5W (High VHF)
Modulation Limiting:-	+/- 2.5KHz (12.5KHz), +/- 4KHz (20KHz), +/- 5KHz (25KHz)
FM Hum and Noise:-	-45dB / -40dB typical (Wide/Narrow)
Conducted/Radiated Emissions:-	-36dBm, <1GHz, -30dBm, >1GHz
Adjacent Channel Power:-	-60dB @ 12.5KHz, -70dB @ 20/25KHz
Audio Response:-	+1 ~ -3dB (300-3000Hz)
Audio Distortion:-	<3%



All stated specifications and measurements are in accordance with EN300-086
Specifications are subject to change or ongoing improvement
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Your Local Dealer/Distributor:-

