

Ninehundred
Communications
Group

900PTT PUSH TO TALK



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900PTT PUSH TO TALK

900PTT allows for UK Wide Coverage without the need to implement expensive infrastructure

900PTT provides reliable and UK wide coverage without the need to invest in expensive infrastructure. The system provides an efficient communication system that is perfectly suited to a wide array of applications for various industries, enabling the use of wide area applications for when multi-site collaboration is required.

Providing a similar experience to using a two way radio, 900PTT harnesses the coverage of a cellular network which removes the need for planning, reducing costs and installation associated with expanding a traditional two way radio system.

Designed as a tool for lone workers, 900PTT features lone worker tracking software that is also well suited for group workers. 900PTT is fast becoming the push-to-talk lone worker radio of choice.

Compatible devices integrate seamlessly with the Desktop Dispatcher Software so that office-based users can keep in contact with field-based staff using a PC.



NATIONWIDE COVERAGE
Over 3G/4G/LTE Closed Private Network



FAST & SECURE
Lower network latency and excellent data transmission rates



REDUCES COSTS
An all-in-one solution that reduces businesses' hardware costs



INCREASED FUNCTIONALITY
Provides much more functionality than simple two way communication



GPS TRACKING & LONE WORKER
UK wide, accurate location tracking using GPS



INDIVIDUAL & GROUP CALLS
From anywhere, anytime



ALARM HANDLING
Lone Worker Security & Alerting



JOB TICKETING
Employee organisation



900PTT IP501H

Provides the functionality
of a traditional radio and
much more...

UK wide radio coverage radio system, no license fees, instantaneous group or individual calls. Small, light & waterproof handset. Featuring Emergency button, man down and lone worker functionality.

The IP501H is small, lightweight, robust, high quality handset that provides the functionality of a traditional radio and much more.

Our new 900PTT (Push-to-Talk Over Cellular) radio system allows you to communicate with your two-way radio system over a 4G/LTE closed network. 900PTT offers instantaneous communication over a preestablished cellular network so you can enjoy licence free nationwide coverage for your business.

The handset is also ideal for transmitting in building environments where communication over traditional radio can be constrained by the building's layout or construction materials, factors that can often be difficult or costly to overcome.

The IP501H offers a wide range of features such as:



**UK WIDE
COVERAGE**



**LICENCE FREE
SOLUTION**



**MULTIPLE USER
COMMUNICATION**



**PRIORITY INTERRUPT
CALLING**



**DUST-TIGHT AND
WATERPROOF**



**FULL DUPLEX
CAPABILITIES**

SPECIFICATIONS

Network Bands	4G: LTE B1, B3, B7, B8, B20 (EXP) LTE B2, B4, B5, B17 (USA) 3G: W-CDMA B1, B8 (EXP) W-CDMA B2, B5 (USA)
Dimensions (W x H x D; Projections not included)	59 x 95 x 32 mm; 2.3 x 3.7 x 1.3 in (with BP-272)
Weight (approx.)	240 g; 8.5 oz (with BP-272 and antenna)
Operating temperature	-10 °C to +60 °C; +14 °F to +140 °F
Operating time* (5:5:90 duty cycle.)	More than 17 hours (with BP-272)
Voice Codec	G.726 (32 kbps)

900PTT IP501M



Designed as the perfect solutions to be installed in vehicles for companies with large fleets covering wide areas

Our 900PTT IP501M allows for communication using LTE/4G and 3G networks which provides stable communication across the UK. Featuring a simple, easy to use display as well as a fist microphone.

Our IP501M uses the same Push To Talk technology is that featured in the IP501H, making the two interoperable with one another; allowing users and companies to have a mixture of both handhelds and mobiles depending on their requirements (in vehicle or handheld).

Just like the IP501H, the IP501M allows for full-duplex communication for users, allowing to talk and receive messages at the same time, during individual and group calls.

PRIORITY INTERRUPT CALLING

If a critical message is required to be transmitted without delay, IP501M enables you to interrupt on-going calls, delivering the critical message, alerting those who must know without delay!

Range of features:



UK WIDE COVERAGE



BUILT IN BLUETOOTH



PRIORITY INTERRUPT CALLING



MEETS IP54 STANDARDS



EXTREMELY RUGGED



FULL DUPLEX CAPABILITIES

SPECIFICATIONS

Network Bands	4G: LTE B2, B4, B12 (USA) LTE B1, B3, B7, B8, B20 (EXP) LTE B1, B3, B5, B7, B8, B28 (AUS)
Dimensions (W x H x D; Projections not included)	125 x 29 x 156 mm; 4.9 x 1.1 x 6.1 in (Approximate)
Weight (approx.)	840 g; 1.9 lb (Main unit, approximate)
Operating temperature	-10°C to +60°C; 14°F to +140°F
Power supply	13.8 V DC ±10% or 26.4 V DC ±10%
Voice Codec	G.726 (32 kbps)



COMMANDMIC with external display and user keypad available (IP55)



900PTT IP RANGE MAPPING SOFTWARE

The software features an accessible, user friendly interface making it very simple to use.

The Icom LTE Mapping Software will allow a management team to view their whole fleet of LTE radios via a secure online portal, helping make sure that users are safe and protected. You can be anywhere in the world and you can still access this management system to monitor your fleet of radios.

The Icom LTE Radio Mapping Software has been developed in-house by Icom UK's software development team. The software is continually evolving with a full LTE Radio Dispatcher in development. This will have many other features including allowing an organisation to view 'GPS history' and 'Data Usage' of the LTE radios.

Other features that will be part of the LTE Radio Dispatcher include 'Radio Security Function' so if a radio goes missing you will have the option to 'Kill' the SIM card in the radio, or if found/retrieved, 'Revive' the radio. A planned 'Emergency Reporting Function' will allow you to receive a notification and display this on the map when an emergency button is pressed on one of the LTE radios.

iOS and Android Apps are also in development which will allow you to view all your radio management system information on a mobile phone/tablet device via the Apple Store and Google Play Store.

IP Range Dispatcher Key Features:



GPS TRACKING



GPS HISTORY



KILL/REVIVE FUNCTION



DATA USAGE



EMERGENCY REPORTING



IOS/ANDROID COMPATIBILITY



900PTT SY580

Delivers an exceptional combination of rugged hardware, powerful software and broadband connectivity. The SY580 integrates voice, data, and video services into a single device.

The SY580 combines the features typically found in a traditional digital two-way radio with that of an industrial PDA and mobile phone; into a single handset. Due to the transmission of data being done over cellular the device, it is able to deliver of crystal-clear audio communication comparable to that of a modern mobile phone with no licenses required! The device also enables text message, the syncing and communicating between mobile phones.

Its ability to function as an Industrial PDA it can also be used to send and receive job tickets and send accurate location and tracking information using GPS. As well as the typical features of an Industrial PDA, the device utilises front and rear facing cameras and a panic alarm; the panic alarm is able to not only alert other colleagues but the dispatcher system too.

SPECIFICATIONS	
Network Bands	FDD-LTE: B1 B3 B5 B7 B8 B20 B28 GSM: B2 B3 B5 B8 3G: W-CDMA B1, B8 (EXP) W-CDMA B2, B5 (USA)
Dimensions (W x H x D; Projections not included)	119.5*61.5*26.5(mm)
Weight (approx.)	205g (LESS)
Operating temperature	-20o C ~ 60o C
Battery	3,600 mAh
Operating System	Android 5.1

The SY580 offers a wide range of features such as:



UK WIDE COVERAGE



INDUSTRIAL QUALITY PDA



EMPLOYEE JOB TICKETING



FULL DUPLEX CAPABILITIES



EXTREMELY RUGGED



ANDROID OPERATING SYSTEM



900PTT SY590

The SY590 is an award winning, ultra rugged, intelligently designed smart handheld dedicated to providing peak functionality all whilst providing a perfect push to talk over cellular solution.

The SY590 is purposely designed to simplify interaction and use of the handset, using enlarged system icons and incredibly sturdy convenient channel knob.

Due to the ruggedness being an incredibly key feature in the design of this handset it is IP68 and MIL810G rated, making it fit enough to withstand dust, dirt and sand, and are water resistance up to a maximum depth of 1.5m underwater for up to thirty minutes!

This Android based smart handheld has a UK wide frequency coverage and also supports glove and wet operation, making it fit for purpose in a wide array of sectors such as Public Safety, Utilities, Law Enforcement, Fire Department, Logistics, Healthcare and Mining.

SPECIFICATIONS	
Network Bands	GSM: B2 B3 B5 B8 WCDMA: B1 B2 B5 B8 TDSDMA: B34 B39
Dimensions (W x H x D; Projections not included)	135*62*25mm
Display	3.5" Touch Screen
Operating temperature	-20 to +60°C
Battery	4200mAh
Operating System	Android 6.0
USB Ports	USB Type-C, Quick Charging Support

The SY590 offers a wide range of features such as:



TOUCHSCREEN INTERFACE



MILITARY GRADE DESIGN



IP68 RATED



PRIORITY INTERRUPT CALLING



ANDROID OPERATING SYSTEM



TSM500 FIXED MOBILE

Allows users to keep
safe and productive
all over the UK

Our TSM500 Fixed Mobile is a Smart LTE vehicle communicator offers boundaryless communication, instant responses allowing users to keep safe and productive all over the UK.

Whether you need radios in vehicles, control stations and offices or as a mechanism to send data from a bespoke device, the TSM500 will deliver exactly what you need, all using cellular networks, wherever the user may be in the UK.

The system is incredibly versatile and has an extensive list of features thanks to it running a bespoke version of Android 5.1, including access to Google Maps and the ability to install 3rd party applications

Our own Field Engineers are able to install these two way radios at a time to suit you in both road going vehicles and a wide variety of off road transport and plant vehicles.

The TSM500 offers a wide range of features such as:



ABUNDANT
MULTIMEDIA SERVICES



TRUE GPS
LOCATION



SUPPORTS 3RD
PARTY APPS



HANDS FREE
ACCESSORIES



HIGH-SENSITIVITY
ANTENNA



ANDROID OPERATING
SYSTEM

SPECIFICATIONS

Network Bands	GSM: B2 B3 B5 B8 WCDMA: B1 B3 B5 B8 TDSDMA: B34 B39
Memory	RAM + ROM: 1GB + 8GB
Display	4.0" IPS Touch Screen
Operating temperature	-20 to +80°C
Sensors	G-Sensor & Acceleration Sensor, Gyroscope, Compass
Operating System	Android 5.1
Camera	2MP Front Camera

DESKTOP DISPATCHER

A great platform to ensure worker safety whilst increasing productivity

Our desktop dispatcher is proven to significantly increase productivity, whilst providing a great platform to ensure worker safety. Our dispatch system is both comprehensive and cost-effective, adding great value to a PTT fleet.

Our Desktop Dispatcher is an intuitive system designed to seamlessly manage a PTT fleet either remotely or from a control room, using Windows or Mac OS.

The Desktop Dispatcher gives the user the ability view historical alarm, call logos, location logs, currently active transmissions and even listen to previous transmissions.

Due to the highly accurate GPS on the SY580/590 the true location of workers can be seen on the map, in real time.

The Desktop Dispatcher offers a wide range of features such as:



VIEW HISTORICAL EVENTS & LOGS



VIEW WORKERS EXACT LOCATION



WORKS ON BOTH WINDOWS & MAC OS



LISTEN TO PREVIOUS TRANSMISSIONS



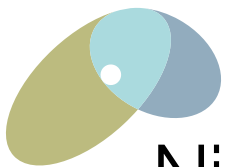
REQUEST GPS UPDATES FROM LONEWORKERS



CREATE AD-HOC TALK GROUPS



COMMUNICATE ANYTIME, ANYWHERE



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Group

Keep up to date with our latest news!



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