

# SYMPOC

Push To Talk Over Cellular

## Push-to-Talk Over Cellular Products & Services Brochure - 2018

Prices are subject to change without notice. E&OE.





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# Reliable, Wide-Area Communications - Zero Infrastructural Investment



## What is Push-to-Talk Over Cellular?

**Push-to-talk over cellular (POC)** is the emerging solution in the communications industry. Wide-area communication can be essential for smooth business operation, sharing of critical information and worker safety; however, the cost of designing, purchasing, installing and maintaining an appropriate system can be extreme both from the perspectives of finances and time.

## Why Push-to-Talk Over Cellular?

There is simply no more reliable, flexible and cost-effective wide-area communication solution than POC. Cellular network coverage across the world is greater than ever and always improving; as a result, POC requires **zero infrastructural investment**. Furthermore, all fleet programming and maintenance can be administered **remotely and wireless**, providing a new level of flexibility.

**Call:** +44 (0) 1489 287 287

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## The SYMPOC Solution

SYMPOC is made up of two important components—modern, powerful handsets and a state-of-the-art user-friendly application. We've partnered up with **TeloSystems** and **Push-to-Talk International** to offer the most complete POC solution on the market.



**TeloSystems**

**TeloSystems** is a “total solution” company for information and communication technologies based in Shenzhen, China. Aiming to “bridge communication gaps”, their commitment to voice and video communication integration has been achieved through rapid growth of their dedicated research and development team.



Based in High Wycombe, UK, **Push-to-Talk International** was established in 2007 and is the largest supplier of POC services in the UK. Their PoC-IT PTT application is an integral component of the SYMPOC solution, providing users with comprehensive POC technology with the same clear, fast voice communication delivered by DMR radios.

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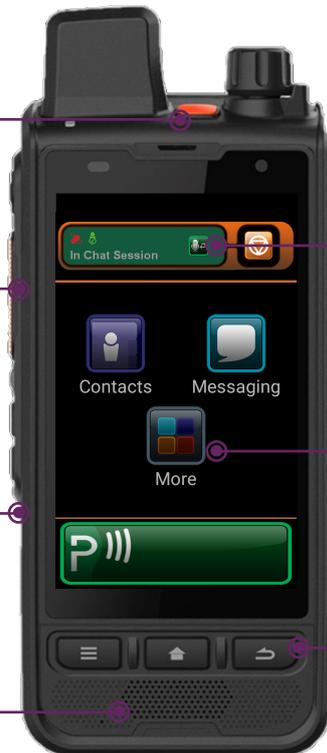
## The SYMPOC Application

The SYMPOC application is designed to give users the best possible POC service whilst not detracting from the two-way radio operating experience. The hardware and software are fully and seamlessly integrated across the full range of SYMPOC devices.

**Integrated emergency button** pushes device straight into alarm mode

**PTT button on devices** as well as on screen

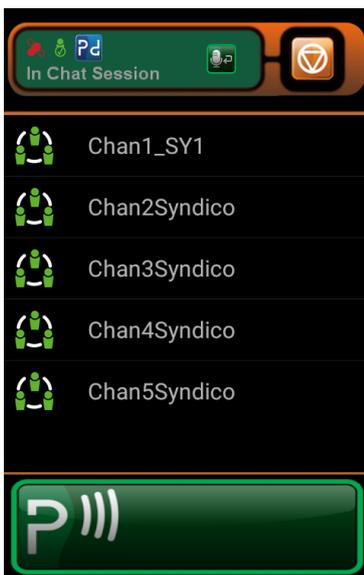
**Crystal-clear digital audio** is delivered through devices' powerful speakers



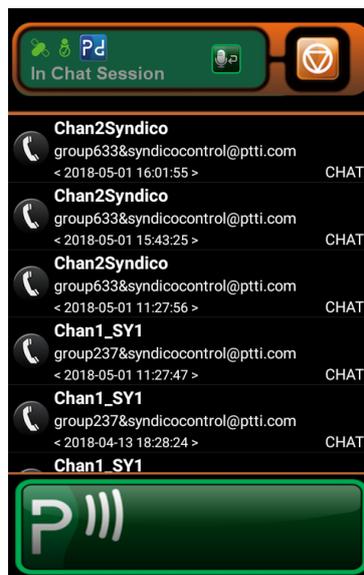
**Real-time channel status** is always displayed on the screen

**Third-party applications** can be integrated into the home screen

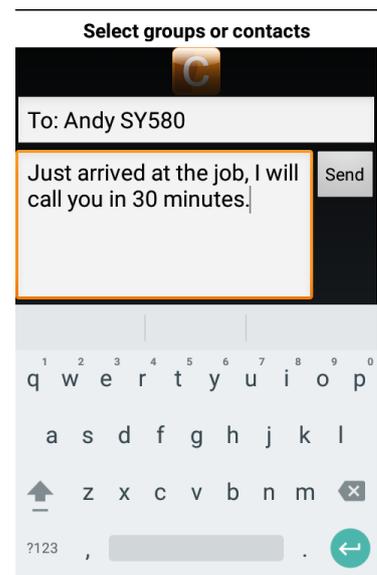
**Hard keys on devices** are fully integrated into application functionality



**Channel list is easily accessible through main menu**, ensuring smooth and easy user operation.



**Full call history is available**, regardless of how many times a new channel has been used.



**The app has a messaging function**, allowing text communication between both individuals and groups.

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# The SYMPOC Dispatcher

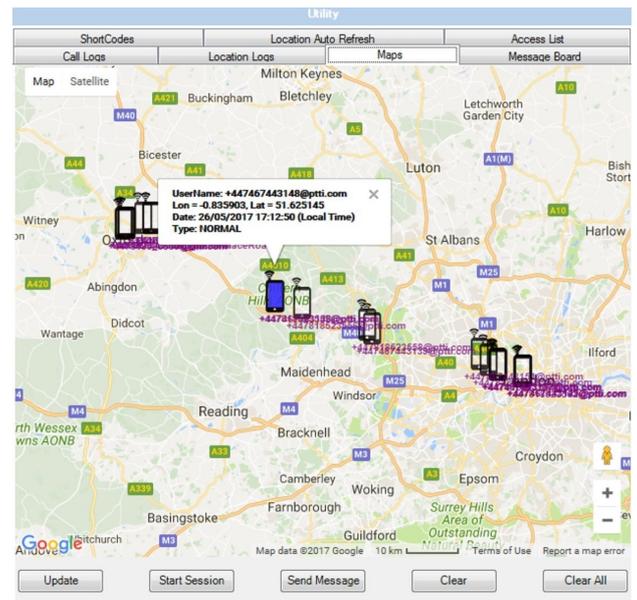
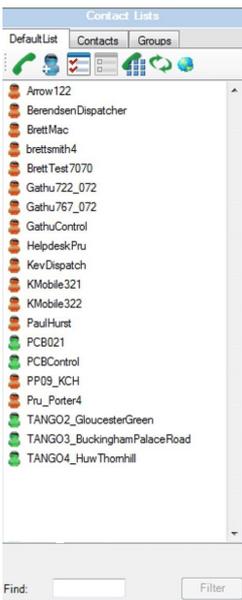
An effective dispatch solution can significantly increase productivity, as well as providing a greater platform to ensure worker safety. SYMPOC's dispatch system is both comprehensive and cost-effective, adding great value to a POC fleet. An ideal addition for environments with a dedicated control room.



**Contact List** displays all individual contacts on the network as well as groups and channels. Create ad-hoc groups and administer channel and group members here.

**Chat List** displays all channels, groups and contacts in active communication with the dispatcher. Open up multiple channels at once, mute busy channels and catch-up on missed conversations later.

**Utility Window** displays the main part of the dispatcher. Choose between short-code, location settings, access list, call logs, location logs, message board or map views. Locate individual users and start chat session or message directly just by clicking on their map icon. Notifications, such as alarms, will show up at the bottom of this window.



## Key Features:

- Control point for all users, groups and channels within the fleet
- Open up multiple communication channels simultaneously
- View historical alarm, call and location logs
- Notifications displayed on screen
- Create ad-hoc talk groups from the dispatcher
- Mute a busy, low-priority channel and listen back to conversations
- Real-time GPS tracking
- Tailor settings of individual radios (e.g. location data refresh rate)

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## How It Works

No two SYMPOC systems are the same — the system as a whole is designed to allow users to form their own bespoke communication solution. Flexibility is one of the significant advantages of using POC as opposed to two-way radio. **Here's how best to build your perfect system:**

### 1. Choose your handset

Choose from our range of handheld and mobile devices to tailor your SYMPOC fleet around your users. All SYMPOC devices are run on **Android OS**, and come as standard with 4G and Wi-Fi connectivity, GPS and Bluetooth.



### 2. Choose your application setup

Each device requires an **annual POC licence**, which can be setup in different ways. If choosing a device with a screen, you can have your device set up in one of two ways: **embedded** devices are locked into the POC app, so users can't access the other applications on the device unless they are built into POC-IT PTT, and **professional** users have full access to the devices applications, menus and settings.

### 3. Choose your SIM card\*

As part of a SYMPOC system, you can select SIMs from either **EE, Vodafone or O2**. All our SIMs are setup as data-only and come with 500MB data per month, which is more than enough for a POC device. They also have a **fixed IP address**, which reduces the impact of network traffic when moving between coverage areas.



#### \*Only using Wi-Fi?

If you are only using a device on a Wi-Fi network you don't need a SIM, so go to step 4.



### 4. Add your dispatcher

The dispatcher also requires an **annual POC licence**. If you want to add a dispatcher to your SYMPOC fleet, simply order the dispatcher software and the first annual licence is included. From year 2 onwards, you just need to order an annual POC licence for the dispatcher—there is no ongoing charge for the software.

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## The Costs Involved

Organising the costs of a POC fleet is different to standard two-way radio, so SYMPOC has been set up in a way which is simple and easy to manage. For every radio, you require an annual POC licence and SIM (if you're not just using connection to a Wi-Fi network), and each dispatcher just requires an annual POC licence.

### Initial Costs (Year 1)



+



+



#### Hardware & Software Costs

Once you've decided on the POC handsets of your choice and added a dispatcher, you purchase them at the initial stage. They have no further ongoing costs.

#### 12 Month POC Licence

This licence gives you access to the POC server and application for a 12 month period. You need one licence per radio or dispatcher.

#### 12 Month SIM Card

The SIM of your choice will give you 500MB of cellular data per month for a 12 month period. You need one SIM per radio.

### Ongoing Costs (Year 2 Onwards)



+

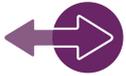


#### 12 Month POC Licence

This licence gives you access to the POC server and application for a 12 month period. You need one licence per radio or dispatcher.

#### 12 Month SIM Card

The SIM of your choice will give you 500MB of cellular data per month for a 12 month period. You need one SIM per radio.



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# **SYMPOC**

# **Radios**



# SYMPOC

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## Key Features:

- Rugged POC device
- 1.0" OLED screen on top of unit
- GSM, 3G, 4G & Wi-Fi connectivity
- Android 5.1 OS
- Bluetooth 4.0
- IP67 & 1.5m drop tested
- 2.0W speaker
- 3600mAh removable battery
- Textured PTT button with positive feedback
- Channel knob
- GPS, AGPS & GLONASS positioning technology
- 1GB RAM; 8GB ROM
- Micro USB 2.0 for charging & data transfer
- M5 audio accessory interface
- Flashlight

## Standard package:

- Battery
- USB cable
- Power adapter
- Belt clip

## Compatible Accessories:



**D-shape/G-shape earpiece with inline PTT & mic**



**Covert acoustic tube earpiece with lapel PTT & mic**



**IP67 remote speaker with Kevlar cable, 3.5mm jack, rear clip**



**Bluetooth earpiece with dual PTT, earbud and ear loop**

## SY390

## POC Radio





# SYMPOC

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## Key Features:

- Rugged POC device
- 2.4" touch screen
- GSM, 3G, 4G & Wi-Fi connectivity
- Android 5.1 OS
- Bluetooth
- IP67 & 1.5m drop tested
- 2.0W speaker
- 3600mAh removable battery
- Textured PTT button with positive feedback
- 8MP rear camera (with focus), 2MP front camera
- GPS, AGPS & GLONASS positioning technology
- 1GB RAM; 8GB ROM
- Up to 32GB extra storage via Micro SD card
- Micro USB 2.0 for charging & data transfer
- M5 audio accessory interface

## Standard package:

- Battery
- USB cable
- Power adapter
- Belt clip

## SY580

## POC Radio



## Compatible Accessories:



**D-shape/G-shape earpiece with inline PTT & mic**



**Covert acoustic tube earpiece with lapel PTT & mic**



**IP67 remote speaker mic with Kevlar cable, 3.5mm jack, rear clip**



**Bluetooth earpiece with Dual PTT, earbud and ear hook**



**Six-way rapid-rate multi-charger (inc. power supply)**



**Single unit charger pod (works with standard cable)**

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## Key Features:

- Smart rugged POC device
- 3.5" touch screen with glove and wet hand operation
- GSM, 3G, 4G & Wi-Fi connectivity
- Android 6.0 OS
- Bluetooth 4.0
- NFC & RFID
- IP68 & MIL-STD-810 G
- 2.0W 40mm waterproof speaker
- 4200mAh removable battery
- Radio grade PTT button with positive feedback
- GPS, AGPS, GLONASS & BEIDOU positioning technology
- Dedicated GPS antenna
- 13MP rear camera (with focus), 2MP front camera
- Channel knob
- 2GB RAM; 16GB ROM
- USB type-C for quick charging & data transfer
- M5 audio accessory interface, supports VOX accessories

## Standard package:

- Battery
- Charger pod
- USB cable
- Power adapter
- Belt clip

## Compatible Accessories:



**D-shape/G-shape earpiece with inline PTT & mic**



**Covert acoustic tube earpiece with lapel PTT & mic**



**IP67 remote speaker mic with Kevlar cable, 3.5mm jack, rear clip**



**Bluetooth earpiece with dual PTT, earbud and ear loop**



**Single unit charger pod (works with standard cable)**

## SY590

## POC Radio





# SYMPOC

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## Key Features:

- Ruggedised smartphone device
- 4.0" Gorilla Glass touch screen, glove and wet hand operation
- GSM, 3G, 4G & Wi-Fi connectivity
- Android 5.1 OS
- Bluetooth
- IP68 & 1.5m drop tested
- 5800mAh removable battery
- Supports Micro SD storage
- Dual Micro SIM capability
- Textured PTT button with positive feedback
- GPS & AGPS positioning technology
- 8MP rear camera (with focus), 2MP front camera
- 1GB RAM; 8GB ROM
- Micro USB 2.0 for charging & data transfer
- 3.5mm jack for audio accessories

## Standard package:

- Battery
- Charger pod
- USB cable
- Power adapter

## Compatible Accessories:



**Listen-only G-shape earpiece with 3.5mm jack**



**Covert listen-only acoustic tube earpiece with 3.5mm jack**



**Bluetooth earpiece with dual PTT, earbud and ear loop**



**Single unit charger pod (works with standard cable)**

# SY6

# POC Radio





# SYMPOC

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## Key Features:

- POC mobile device
- 4.0" touch screen
- 4G/LTE cellular connectivity
- Bluetooth 4.0 for wireless accessory connection
- Android 5.1 OS
- Supports third-party Android-compatible apps
- GPS, AGPS & GLONASS positioning technology
- 2.0W speaker
- Savox remote speaker microphone included as standard
- 2MP front camera
- USB 2.0
- IP54 certified
- 1GB RAM; 8GB ROM

## Standard package:

- Mounting bracket
- Power cord
- Remote speaker microphone
- Power adapter

## Compatible Accessories:



**IP67 remote speaker mic with Kevlar cable, 3.5mm jack, rear clip**

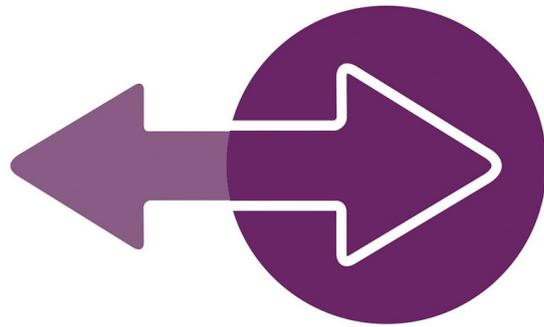


**Bluetooth earpiece with dual PTT, earbud and ear loop**

# SYM5

# POC Mobile





# SYMPOC

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