

Delivering Critical Communications

The future of group radio communications

Contents

Push to talk - Overview

The Technology

Features

Why Push to talk?

Who uses push to talk?

What is involved?

What does it cost?

Want to know more?



Push to talk – Overview

What's in a name?

Let's tackle this one first! You will hear this technology referred to variously as:

- **PoC - Push to talk over cellular**
- **PTToB - Push to talk over broadband**
- **LTE radio**
- **Network radio**

It's all the same thing, utilising the existing cellular data and WiFi networks to provide wide area group communications with unlimited range.

Gone are the days when you could only communicate a few kilometres with your two-way radio, now you can talk to your colleague in the next borough, town, county or country. Yes that's right, this is global push to talk, and it's the future of wide area group communications.

So how does it work?....

The Technology

How does it work?

Mobile data technology has evolved so much in recent years that it is impossible to imagine a world where SmartDevices do not exist.

The mobile network operators have invested millions into improving and expanding networks both locally and globally, and that work continues.

And yet in the radio world, we insist on continuing to use narrowband technology with poor voice quality, limited range and no features..... until now!

Push to talk leverages the coverage of mobile data and WiFi networks to deliver telephone quality, wide area group communications at the push of a button, with no range limitations.

In addition, the features available to users to enhance not only operational effectiveness, but safety as well, are simply not achievable with conventional two-way radio.

Let's take a look....



Features

What does it do?

The range of features available with a push to talk system is far superior to anything that is available with even the most advance conventional two-way radio deployment.

Feature	Description
Group call	One to many PTT call
Individual call	One to one PTT call
Emergency call	Activates emergency alarm and opens microphone
GPS location	Plot location of all users
Geofencing	Trigger alerts entering or exiting pre-defined area
Push to video	Real time PTV situational awareness
Lone Worker	Lone worker active monitoring
Remote camera activation	Remotely activate cameras for immediate situational awareness
Indoor localisation	See the position of all users in your building
Guard tour	Plan and monitor security patrols inside and outside
Recording	All voice and positional data is recorded

Why push to talk?....



Why push to talk?

The overarching benefit of push to talk is undoubtedly the range, and for many users this is enough; all of the other features are simply the icing on the cake.

But here's a list of some of the other key advantages:

- Rapid deployment- up and running in hours rather than weeks or months
- No licences required which often take months to be granted and cost £1,000's
- Predictable and manageable monthly costs
- No infrastructure to install or maintain
- Add new users in minutes allowing you to scale up as the requirement grows
- Overall lower total cost of ownership due to lack of licensing and infrastructure
- Configuration changes are actioned remotely rather than needing a site visit

Who uses push to talk?....

Who uses push to talk?

The great advantage of push to talk technology is that it is available to everyone, making group wide-area communications accessible to many more organisations.

- **Security**
- **Transportation & logistics**
- **Hospitals and medical centres**
- **Stadia & arenas**
- **Shopping centres and leisure complexes**
- **Close protection teams**
- **Surveillance companies**
- **Water, electricity & gas utilities**
- **Emergency services**
- **First responder organisations**
- **Oil, gas and petrochemical**
- **Television & film crews**
- **Concerts & exhibitions**

What is involved?....



What is involved?

There are three elements to all push to talk deployments, no matter where they come from:

Hardware | Service | Airtime

Hardware - a range of bespoke hardware is available ranging in price from £150.00 per unit up to £1,500+ per unit for devices certified to operate in high risk environments such as oil & gas installations. We have access to probably the widest range of PTT hardware currently available.

Service - Our PTT service is based on the industry leading TASSTA solution and hosted on fully redundant servers in private top tier data-centres. You are in safe hands and our service is MCPTT (Mission Critical PTT) ready.

Airtime - If you are working in a single location with good WiFi coverage, then no SIM card is needed. In reality, it is probably advisable to opt for one of our multi-network roaming SIM cards to ensure optimum connectivity. Our SIM partner has some of the most innovative and cost effective packages available.

What does it cost?....

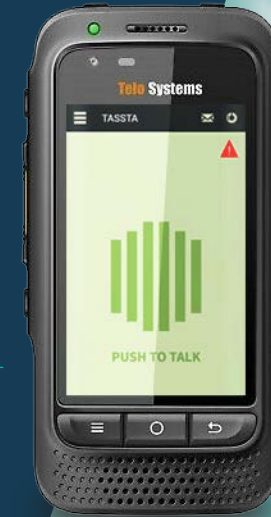
What does it cost?

The specific costs will differ for each deployment, and will depend on the additional features you choose to add, but below is a typical example:

Hardware: Telo Systems *TE580Plus* - **£320.00**

Airtime: Multi-net roaming SIM - **£3.00 per month**

Service: TASSTA *T.FLEX Smart* - **£12.00 per month**



Group Calls
Individual Calls
Emergency Calls
GPS location

Ops Room Dispatcher

Required to allow viewing of GPS location

£100.00 per login per month

“Usually a single login is required unless you have multiple Ops Room locations requiring simultaneous access”



Want to know more?

Push to talk represents the future of wide area group and one-to-one communications.

To learn more about how push to talk can transform the way you operate and enhance your employees safety, don't delay. Contact us via the website, or if you'd prefer email or call, all of the details are below:

www.g6-global.com
g6@g6-global.com
+44 (0)1454 610050



Who Are We

Communication connects everything that we do. G6 Global exists to create the best communications system for your operational needs. We design, supply, build and deliver integrated communications solutions to mission critical settings. We are leaders, delivering state of the art; so that you can work without compromise.



THE SECURITY
INSTITUTE



BRITISH
BODYGUARD
ASSOCIATION

