Mobile Tornado

Radio over
IP Gateway

Integration of land mobile radio systems with **push-to-talk over cellular**

More and more organisations are finding that two-way radios are unable to meet their demands. Feedback from our reseller partners and industry contacts is that land based radio systems are expensive, outdated and lacking in data capabilities and features. Coverage is limited according to radio compatibility and infrastructure. Investment in infrastructure is one solution but this can be expensive and is not always a realistic solution.

As cellular networks grow ever stronger, new opportunities for push-to-talk over cellular (PTToC) technology are being created. The market is recognising that the limitations of radio technologies can be overcome by PTToC and companies are increasingly considering making the switch from legacy two-way radio systems to PTToC solutions.

For legacy radio users wishing to either trial PTToC technology or extend their radio footprint without additional investment, there is a requirement for interoperability with push-to-talk over cellular technology.

A standalone Radio over IP (RoIP) Gateway is a cost effective and easy-to-install way to integrate land mobile radio systems with PTToC radios and smartphones. It enables teams to continue using the same radios and provides a way for users to migrate from radio technology to PTToC technology over a period of time.

The RoIP Gateway provides users with a fast, reliable and stable connection for instant communication between any device, anytime and everywhere in the world.

How does the **RoIP Gateway** work?

DMR

RoIP Gateway

Mobile Tornado IPRS Core

WAN Internet

2G/3G/4G/5G

DMR devices

PTToC devices

The **RoIP Gateway** can bridge and send audio from a two-way radio network to Mobile Tornado's PTToC application through advanced digital voice processing technology.

- Easily connects PTT radios and 4G smart devices
- Range of connectivity options: wired, 4G LTE, and Wi-Fi
- Supports multiple radio devices, frequencies, and manufacturers
- Mission Critical Push-To-Talk (MCPTT) compatibility
- Scalability and ease of deployment
- Enables gradual migration from legacy radio to PTToC solution
- Cost effective and does not require investment in infrastructure
- Reliable connectivity and voice quality
- Provides connectivity between legacy radios and PTToC applications
- Connects to multiple Wide Area Networks (WANs)
- Improved connectivity creates operational efficiencies

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To find out more or to arrange a demo,
call **+44 1423 511 900**
or go to **www.mobiletornado.com**