30 day trials available*

Simoco Push

The Cost-effective and Secure Push-to-Talk over 3G, 4G and Wi-Fi

- **Push-to-Talk**
- **Group Messaging**
- **Location Tracking**
- **Radio System Integration**

Simoco's Push application adds Push-to-Talk (PTT) functionality to your Android and iOS devices to become PTT handsets having fully secure and real-time PTT voice communications. This functionality is available at all locations within cellular or wireless network coverage using servers hosted in the cloud or on your premises.

The Simoco Push app provides senior management, emergency, operational, logistics, security and administrative staffs with access to advanced instant group or individual communication and information by allowing access to individual or group calls at the push of a button from any Android or iOS device without the use of a radio.

This is made possible by integrating the Push app's calling, group messaging and location tracking over 3G, 4G and Wi-Fi networks with DMR radio networks resulting in extended range and secure instant communication across multiple platforms.

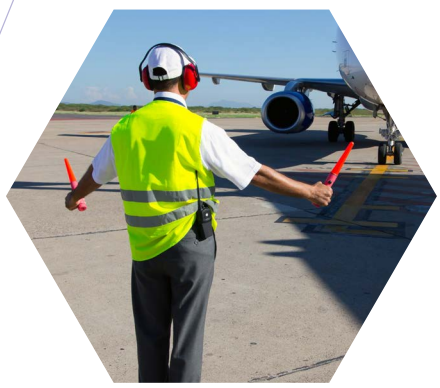
The Push app can also be used even if a DMR network is not integrated with the Push server. In this case, the devices in use in the network will only be Android and/or iOS Smartphones.

simoco PUSH

*Please contact customer services for approval and provisioning

Advantages

Cost Effective: The Push app can be deployed at low cost using standard Android or iOS devices for Push-to-Talk connectivity to radio users without having to invest in a DMR radio for every team member or extend DMR/radio system coverage to where team members seldom roam.



Flexible: The Push app's server can be located in the Cloud or at Simoco or the customer's premises. These network configurations service a wide range of user requirements ranging from airports and corporates to Fire Brigades, Utilities and Oil and Gas.

Push users can be added, updated and deleted very quickly, easily and flexibly using a web based portal, which can be Simoco or customer managed.

Coverage: When Push is integrated to a DMR/radio network, the user communication range extends beyond the DMR radio network coverage range due to the incorporation of cellular (3G/4G) and Wi-Fi coverage into a combined network footprint.

Capacity: Integration of Push into a DMR radio network results in off-loading some capacity demand from the DMR radio network onto a 3G/4G/Wi-Fi broadband network. This increases network redundancy and releases DMR radio network capacity to handle disasters and emergencies.

Hybrid Groups: Hybrid Technology Groups allow both the DMR radio and Push app users to participate in the same group call that so a user without a DMR radio handset but with a 3G/4G/Wi-Fi device equipped with the Push app also becomes an active Push-to-Talk member of the hybrid group.

Covert Operations: Undercover users can communicate by discreetly utilizing their mobile network devices thereby avoiding detection that would have occured if they were carrying DMR radio handsets.

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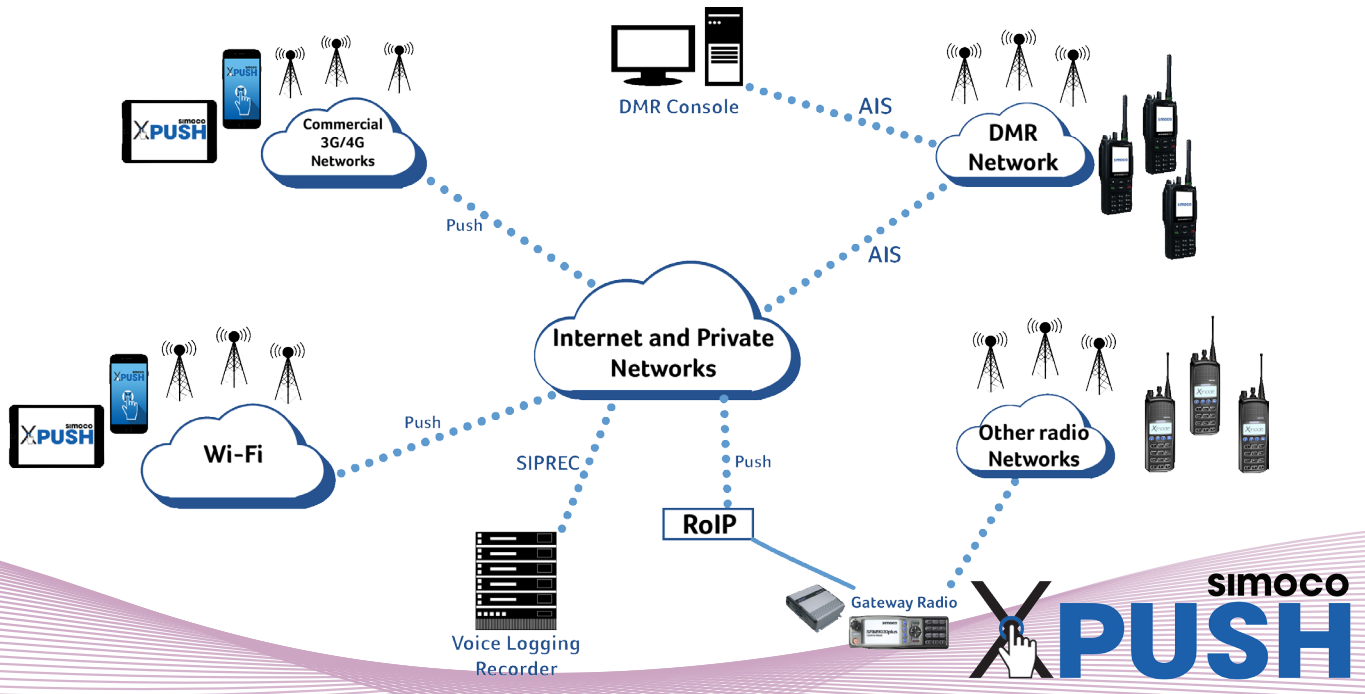
Features

Push-to-Talk (PTT)	• Private calls, group calls and emergency group calls • Priority and call pre-emption: In-call pre-emption, user over group, group over group and advanced multi-level priority based pre-emption • PTT call recording via 3rd party SIPREC recorders • Supports system-wide radio/device IDs • Encrypted PTT voice (AES-256)
Groups	• Eight group types plus user created custom group types • Multi-way talk groups support up to 250 users per call • Broadcast groups support up to 60,000 users per call
Messaging	• Encrypted Text & Image (Multimedia*) Messaging
Location Services	• Live GPS Location Tracking & Mapping • Historical Location Tracking & Mapping
Client App Platforms	• Android and Apple iOS
Architecture	• Flexible secure server hosting options including Cloud (Amazon Web Services) or premises hosted (Simoco or customer business location) • AIS (DMR) and RoIP (other radio networks) • Forwardly compatible with 3GPP Mission Critical PTT (MCPTT)** • Carrier Enhanced QoS PTT options ** • GCSE Based eMBMS (QCI Based) **
Simoco DMR System Features (when integrated)	• Scalable from one site to hundreds having no single point of failure • Full ETSI DMR compliant with no proprietary extensions • Supports Tier III Mobile, Portable and Data/RTU Modems • AIS interfaced console for AVL applications • Network management software

* Push users only on Android/iOS devices

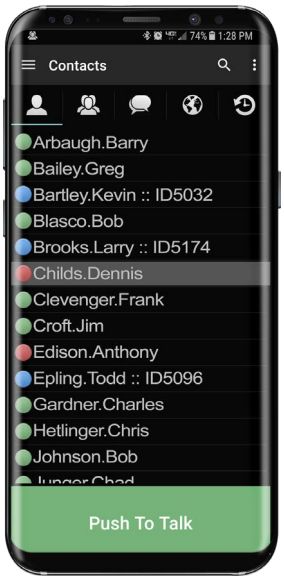
** Requires 3rd party network connectivity support



Screenshots

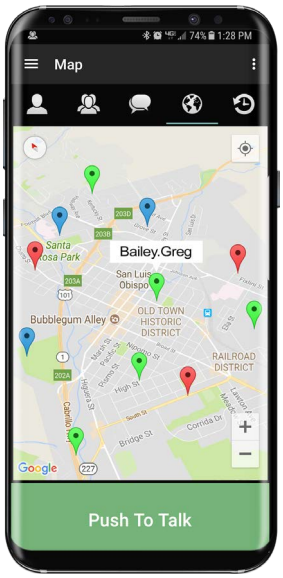
Android

Contacts

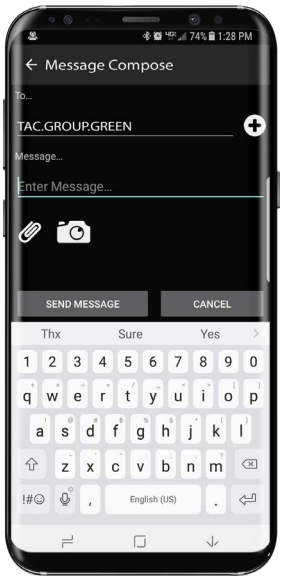


Groups

Map



Message



iOS

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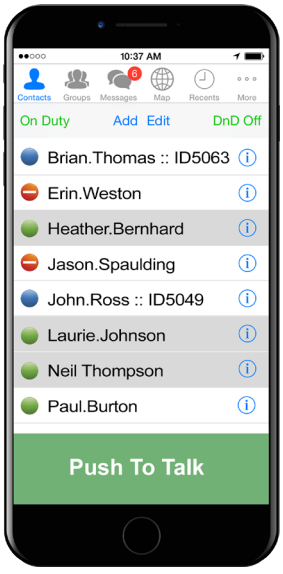

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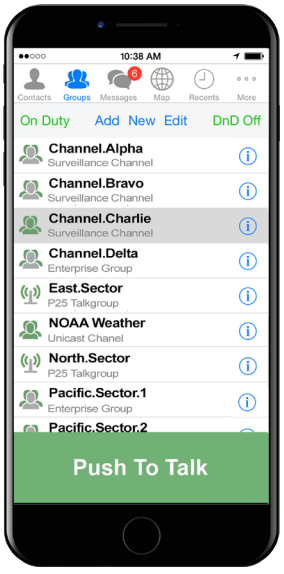

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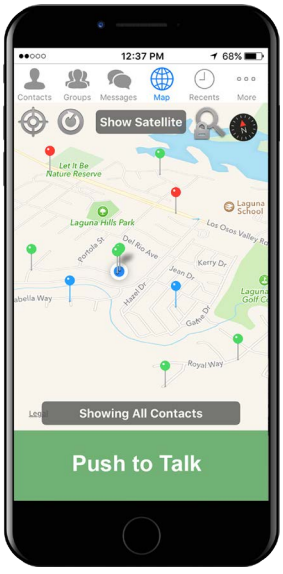

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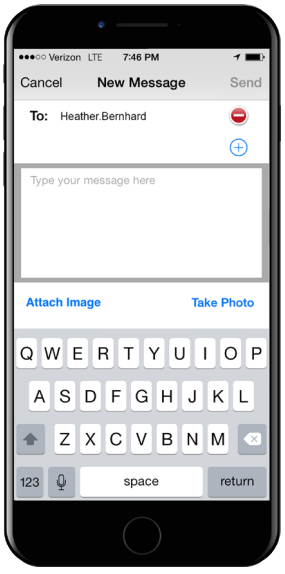

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