Voice & PTT

PTT *Select*
Resilient, low-power push-to-talk

Viasat PTT Select is an advanced, push-to-talk (PTT) solution with app integration, for personnel in remote mission-critical situations where mobile services might not be available.

For safety, security and trusted operational effectiveness, PTT Select is the natural extension to terrestrial radio services. It delivers 99.9% availability worldwide and end-to-end integrated 256-bit encryption. It includes high-quality, full-duplex audio communications (both parties can talk at once) with capacity for worldwide talk groups to keep teams together and working seamlessly. And since PTT Select is designed to fill the gaps when terrestrial services fall short, it's built to integrate seamlessly with mobile services too, keeping costs down automatically without the need for manual switching.

PTT Select is compatible with several ruggedized devices; and also has a complete API definition for third parties to design their own interfaces. That's why there are already several out-of-the-box Android apps for immediate deployment, and many companies have already integrated PTT Select into their own systems.

In action

Use cases
› Two-way communications
› One-to-many communications
› Safety & location tracking of people and assets
› Closed group communications
› PTT with group messaging
› BYOD radio scenarios (with software tailored to any unit)

Industries
› Agriculture
› Disaster recovery
› First responders
› Heavy equipment
› Mining
› Rail / Transport
› Utilities

Features

Robust capacity: Optimised traffic density for reduced cost-per-conversation.

Talk securely: All-IP AES256 encryption for end-to-end secure communications.

Group communication: Unique global Talk Group teaming for instant workforce management and coordination (using multicasting which can also cut costs dramatically).

Track everyone's location: Global Situational Awareness Mapping of all users in your Talk Groups.

Benefits

Global coverage: Satellite ensures strong communications in remote, challenging (or just urban) environments.

Seamless scalability: Accommodate large workforces with diverse data requirements. No limits on growth.

Switching without complexity: Automatic switching between cellular and satellite networks for reliable cost optimisation while removing the need for end user training.the need for end user training.

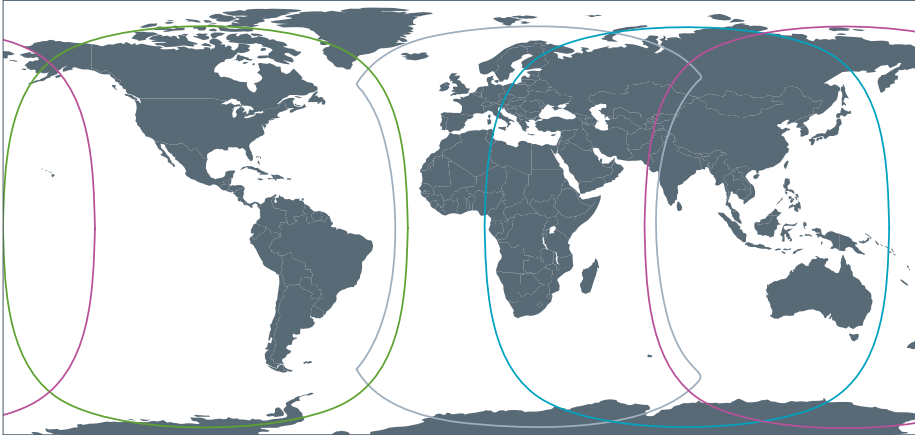ENTERPRISE

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Service plans

For a fixed fee we offer unlimited data for PTT services without caps, but subject to a fair use policy. New plans will be available in the coming year.

Coverage map

For illustrative purposes only. Coverage is approximate and subject to change. Not representative of any single product or service.

With the PTT Select service, you can tap into our L-band satellite network according to your requirements. Please note that this coverage map does not represent IoT Select's exact capabilities at this time, which vary according to geography.

Band: L-band

In-brief: Push-to-talk with all you can eat data, and over the top data options

Customer issue: Need for voice services to remote workers and groups

Throughput (indicative maximum): Up to 2.5Kbps up and down

Power consumption: Low-Mid

Network availability: Up to 99.9%

Mobility: Static, on the pause, on the move

- **PTT**
- **Device interoperability**
- **Integration with mobile**
- **Group calling**
- **SMS**
- **API: build your own solution**
- **App library**
- **Location telemetry**
- **Digital dropout prevention**
- **Audit recording**
- **Embedded encryption**

Discover how Viasat's PTT Select provides robust, flexible connectivity, whatever your business needs.

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