FirstNet® Push-to-Talk

Mission critical group talk + location + video + messaging

Reliable communication is critical for emergency response. You need to collaborate with your team and other agencies. You need quick access to information so you can make informed decisions. FirstNet Push-to-Talk (PTT) is the communications tool you need to help you complete your mission.

Mission critical talk, location, messaging and video

FirstNet PTT is a public safety-grade group communications service defined by 3GPP mission critical standards. Experience group PTT audio quality similar to Land Mobile Radio (LMR) and LTE-flexibility with messaging, streaming video and location services, all built to mission critical standards. FirstNet PTT gives your team a convenient, modern tool to get the job done.

High reliability, faster access, and trusted security

FirstNet users already receive First Priority®, which provides QoS, priority and preemption that exceeds anything previously available to public safety. With FirstNet PTT, they get even higher priority with mission critical class of service, which maximizes availability during times of congestion.

Plus, FirstNet PTT offers high reliability since it's built right into the core of the FirstNet network. With PTT servers in six data centers across the country, your calls are routed through the nearest node. This provides lower latency and faster access. We've designed this service and the data centers for redundancy during an outage. Engineered to

mission critical key performance indicators, FirstNet PTT delivers superior group calling performance.

And you can put your trust in FirstNet PTT with multi-layer security. We apply Advanced Encryption Standard (AES)-256-bit encryption to all voice, data and video for secure data transmission. At the network level, FirstNet applies standard 128-bit LTE wireless encryption.

FirstNet PTT offers you and your team:

- Group and 1-to-1 push-to-talk calling
- Location services to map/call team members who are also online
- Text messaging to groups or individuals
- File sharing for images, video clips, documents, and more
- PTT calling over Wi-Fi
- Streaming video (optional service)
- LMR interoperability (optional service)
- Dispatch console integration (optional service with Catalyst Propulsion™)

FirstNet PTT offers administrators the flexibility to:

- Create large talk-groups with up to 3K users
- Create mutual aid requests, so you can request assistance from another agency
- Make emergency calls, which preempt other PTT calls, and send emergency alerts
- Have supervisory override, allowing you to prioritize a user in the queue while others wait to place a call
- Filter calls with talk group affiliation/disaffiliation

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Why Mission Critical PTT?

- Talk with confidence – using a familiar PTT user experience – on your smartphone

- Messaging, streaming video and location services, all built to 3GPP standards

- Connect with other agencies across the country via mutual aid requests

- Establish talk groups between FirstNet PTT and LMR users

- Free up LMR capacity – augment more expensive two-way radios with opex-friendly LTE devices

Expand where you work and who you work with

Nationwide coverage: Talk, message, and send video beyond your existing LMR footprint with the FirstNet LTE network that reaches more than 99% of Americans.

Inter-agency mutual aid: Send requests to neighboring agencies to add FNPTT users to talk-groups for cross-jurisdictional operations, planned events, or larger scale emergencies.

LMR interoperability: Communicate seamlessly between FirstNet PTT users and existing two-way radio users. This can help to free up LMR capacity and extend your operational reach at lower costs.

Certified devices, dedicated accessories

FirstNet PTT is supported on a broad selection of FirstNet Ready® Android and iOS devices. This selection includes smartphones, feature phones and ultra-rugged devices. And, depending on the manufacturer, devices may support:

- Dedicated buttons for PTT calling and declaring an emergency
- Ruggedized hardware
- Embedded PTT client integrated into the device's operating system
- PTT traffic prioritization for superior calling performance
- Diverse accessory options

FirstNet PTT devices are tested and certified through the FirstNet device approval process. So you can buy with peace of mind. See the list of supported devices at **FirstNet.com/FirstNetPTT/devices**.

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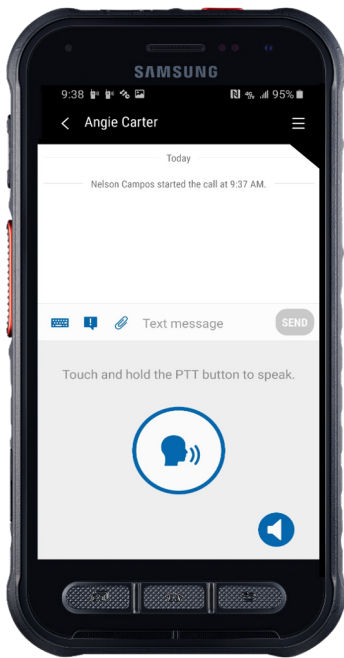
Conversation view
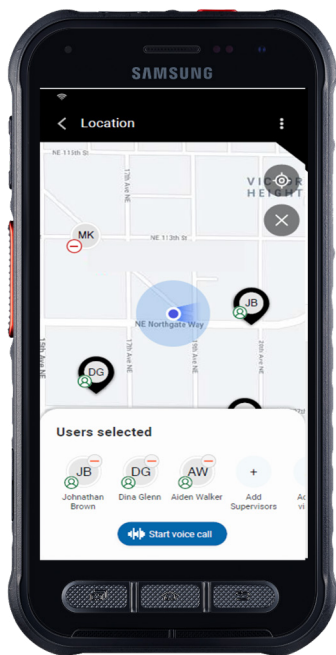
Location view

Much more than PTT voice calls

While clear audio is critical for push-to-talk users, messaging, streaming video and location services allow FirstNet PTT users to share more detailed information. Users have better situational awareness for faster decision-making.

Location services on FirstNet PTT support:
- Secure geo-location and ESRI mapping
- Ability to initiate calls by tapping on users on the map

File sharing on FirstNet PTT supports:
- Multiple file types, including images, video, audio, text, and PDF
- File sizes of up to 100MB
- AES 256-bit encryption

Streaming video on FirstNet PTT (optional service) supports:
- Maximum of 10 users in each video capable group
- Maximum video call duration of 15 minutes
- AES 256-bit encryption

LMR to LTE interoperability (optional service)

Your agency needs all team members to be able to communicate, whether using a two-way radio or smartphone. Using Radio over IP (RoIP) gateways[2] – and soon through all standardized public safety radio protocols via the InterWorking Function (IWF) – LMR radios and FirstNet devices can communicate seamlessly.

With LMR-LTE interoperability, agencies have a low-cost option to extend communications beyond their existing LMR footprint, and can free up LMR capacity by shifting users to LTE devices.

Dispatch console integration (optional service)

FirstNet PTT customers can access a fully featured Command and Control dispatch system. Through Catalyst Propulsion™, FirstNet PTT can be managed and coordinated by dispatchers in the same manner as existing LMR resources are controlled today. Through intelligent interworking, dispatchers can easily patch MCPTT and LMR users into shared talk groups.

Managing FirstNet PTT via FirstNet Central

Your designated administrator can manage FirstNet PTT service via FirstNet Central (firstnetcentral.firstnet.com). The Admin Tool offers easy-to-use features that allow you to:
- Create talk groups and contacts which are pushed to the device in near real-time
- Create sub-groups that reflect your organization's operational structure, and the ability to appoint a local admin for each sub-group for management efficiency
- Request mutual aid from other agencies and manage those users as simply as they manage their own

And agencies that need help setting up FirstNet PTT can request the PTT Customer Administration Set Up and Training (CAST) service at no extra cost*. PTT CAST provides online, orientation courses on the PTT Admin Tool.

May be withdrawn at any time.

[1]To set up the RoIP gateway, you'll need a donor two-way radio, cabling and secure backhaul to the FirstNet PTT service. Separate charges for backhaul apply. Customer premise equipment is sold by third parties and may be billed by AT&T. PTT service. Separate charges for backhaul apply. Customer premise equipment is sold by third parties and may be billed by AT&T.

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Pricing

All prices exclude applicable taxes, fees, and surcharges. All fees paid are non-refundable.

Plan	Description	Monthly Recurring Charge
FirstNet PTT Subscription[1]	Unlimited FirstNet PTT use for voice and data services. Includes the monthly LMR interoperability add-on at no additional charge[2]	$10
FirstNet PTT Streaming Video[3,4]	Live video streaming between enabled users	$5
FirstNet PTT LMR Interop Site License Fee	Site licensing fee for each RoIP Gateway	$2500 (one time charge)
FirstNet PTT Dispatch License[3,5]	FNPTT service access for a single dispatch position	$60/position
FirstNet PTT Dispatch Site License Fee	Site licensing fee for each console gateway	$2500 (one time charge)
FirstNet Mobile Unlimited Plan	Wireless backhaul from RoIP or dispatch gateway to FirstNet PTT core	$40/line
First Priority® for FirstNet Mobile Unlimited Plan	• Primary User • Extended Primary User	• No incremental charge • $7.50/line

1) Requires use of a FirstNet capable device and an existing qualified FirstNet wireless rate plan. Not eligible for contract-based discounts.
(2) "Unlimited" applies to use of FirstNet Push-to-Talk on AT&T's domestic wireless data network (including supported domestic roaming partners) and such traffic will not be charged against the Customer's data plan. All other data usage will be charged at AT&T's scheduled rates.
(3) Requires a FirstNet PTT subscription.
(4) Maximum talk-group is 10 video streaming users.
(5) Requires installation of customer owned and operated equipment.

Important information

For all service terms and conditions, visit http://serviceguidenew.att.com/sg_flashPlayerPage/FIRSTNET_PTT.

**For more information, contact your FirstNet Solutions Consultant
or visit www.FirstNet.com/push-to-talk.**