FirstNet® Push-to-Talk

Mission Critical Group Talk, Messaging, and Video

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 group talk, 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 (coming soon, optional service with select third-party vendors)

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

FirstNet Push-to-Talk

Mission Critical Group Talk, Messaging, and Video

FIRSTNET®
Built with AT&T

Why Mission Critical PTT?

- Best-in-class audio quality

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

- Connect nationwide and with other agencies via mutual aid requests

- Communicate seamlessly between FirstNet PTT and LMR users

- Free up LMR capacity, and save on device costs

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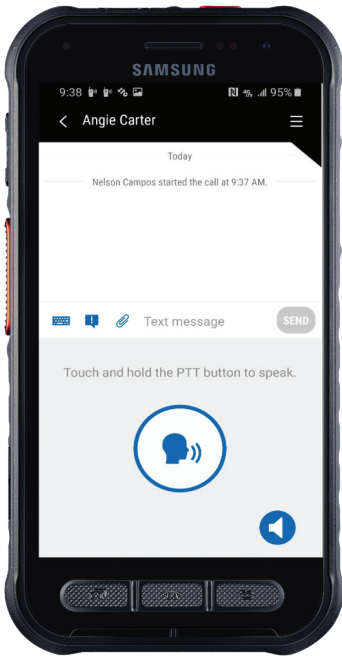
- Dedicated buttons for PTT calling and declaring an emergency
- Ruggedized hardware
- Embedded PTT client integrated into the device's operating system
- PTT traffic prioritization for superior calling performance
- Diverse accessory options

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**.

FirstNet Push-to-Talk

Mission Critical Group Talk, Messaging, and Video

FIRSTNET®
Built with AT&T

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
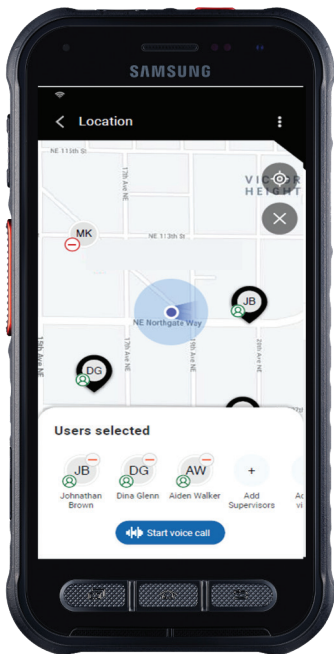- AES 256-bit encryption

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.

Continuous improvements to meet public safety demands

As 3GPP mission critical standards evolve, we'll continue to enhance FirstNet PTT to meet the demands of emergency response. Some important enhancements on the roadmap include:
- Remote monitoring of signal and battery strength
- Device to device, off-network communication
- Interoperability between MCPTT platforms

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]Other than mandated emergency calling
[2]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.

FirstNet Push-to-Talk

Mission Critical Group Talk, Messaging, and Video

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[2]	$10
FirstNet PTT Streaming Video	Live video streaming between enabled users[3,4]	$5
FirstNet PTT LMR Interoperability Add-On[3,5]	Unlimited communication between FirstNet PTT users and LMR users	$5
FirstNet PTT LMR Interop Site License Fee	Site licensing fee for each RoIP Gateway	$2500 (one time charge)
FirstNet Mobile Unlimited Plan	Wireless backhaul from RoIP 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

General - FirstNet Push-to-Talk (PTT), as described in this product brief (the "Solution") is available only to eligible customers with a qualified agreement ("Qualified Agreement"). The Solution is subject to (a) the terms and conditions found at www.firstnet.com/push-to-talk/blue/eula ("Additional Product Terms"), (b) the Qualified Agreement; and (c) applicable Sales Information. For government customers, any Additional Product Terms not allowable under applicable law will not apply, and the Qualified Agreement will control in the event of any material conflict between the Qualified Agreement and the Additional Product Terms. The Solution is available to FirstNet Public Safety Entities, their Agency Paid Users, and their Subscriber Paid Users with a qualified FirstNet rate plan and a FirstNet PTT subscription. The Solution may not be available for purchase in all sales channels or in all areas and may not be accessible at all times. Additional hardware, software, service and/or network connections may be required to access the Solution. Availability, accessibility, security, delivery, speed, timeliness, accuracy, and reliability are not guaranteed by AT&T.

Requirements – The Solution requires LTE wireless connectivity on the AT&T cellular network, or access via Wi-Fi, and the use of a FirstNet certified wireless device. The FirstNet PTT client may already be installed on a FirstNet certified wireless device. If not and when available, use of the Solution on supported feature phones, smartphones or other devices requires download and installation of the FirstNet PTT client software onto such devices. Management of the service via the Administration Tool requires the use of a supported browser on a suitable computing device. Use of the Solution requires a subscription to FirstNet PTT and a qualified FirstNet rate plan. Data service/plan requirements vary by device category.

Customers that wish to use the LMR to LTE interoperability capabilities of the Solution are required to purchase additional third-party equipment to complete the connections, which may include Radio over IP gateway equipment and software licenses and secured IP connectivity between the Customer's location(s) and AT&T data centers, which may include wired Internet or wireless data connectivity.

Technical - PTT is not compatible with traditional circuit-switched voice calls or certain other FirstNet wireless services, including, without limitation, voice mail/Visual Voice Mail, AT&T Address Book, Wireless Priority Service, and other PTT services offered by AT&T.

Wireless data coverage is not available in some areas. Wireless data coverage is subject to transmission limitations and terrain, system, capacity and other limitations. FirstNet PTT, when used over Wi-Fi networks, is transmitted on a best efforts basis until it reaches the FirstNet Core. FirstNet PTT service may be unavailable in some areas served by small cell sites.

Use of the FirstNet PTT Solution on AT&T domestic roaming partners' networks requires that the roaming partner have connectivity to the FirstNet Evolved Packet Core. When operating on such roaming partners' networks, active devices will indicate the service provider as FirstNet. While roaming on the networks of domestic or international roaming partners that do not have a connection to the FirstNet Evolved Packet Core, active devices will display "Roaming" as the service provider, and users will not receive traffic prioritization and other features of the Solution. Use of FirstNet PTT while roaming internationally will be charged at AT&T's standard international roaming rates.

The FirstNet PTT Solution may not work if a user attempts to access it via a custom Access Point Name (APN) or through a firewall or VPN.

The PTT application must be installed on a FirstNet certified device, and the device must be activated and turned on in order to originate and or receive PTT calls. A list of certified devices is available at: www.firstnet.com/FirstNetPTT/devices, which is subject to change. Not all service features and functionality, including prioritization on specific feature phones, are available on all certified devices. Other software on a User's device may impair the PTT Solution's performance.

Usage - Data service/plan requirements vary by device category. Data usage incurred by FirstNet subscribers within AT&T's U.S. domestic wireless data network footprint (including supported domestic roaming partners) in connection with the Solution will not be charged against the Customer's associated data plan. All other data usage will be charged at AT&T's scheduled rates.

Customer and its Users must accept the End User License Agreement/Terms of Service (EULA/TOS) prior to installation and/or use of the Solution's software. The EULA/TOS may be found at: www.firstnet.com/push-to-talk/blue/eula. Customer must accept the EULA/TOS and agrees that its Agency Paid or Subscriber Paid Users will comply with the obligations of the EULA/TOS. The Customer and its Users shall be both individually and jointly liable for compliance with the EULA/TOS. This offer is subject to change, and may be modified, terminated, or discontinued at any time without notice, except as may otherwise be required by applicable law or Customer's agreement.

Data Privacy - Customer must comply with all applicable privacy laws, consumer data protection laws, marketing and data best practices, and all laws that apply to collecting, accessing, storing, processing, using, disclosing and securing user data, including any obligations to notify and obtain consents of Users regarding any Customer or AT&T access to Users' personal information. Use of the Mutual Aid or Mutual Control request features allows Customers to see the identity of other Solution Users and, if approved by the other customer, its users. Similarly, the identity of Customer will be visible to other customers, and Customer may make available the identity of its Users.

AT&T may use and distribute information regarding the use of the Solution both internally and to its pertinent suppliers to provide the Solution, to improve its product performance or to develop new products. Use of the Solution constitutes consent to AT&T's limited use and distribution of Customers' Solution information. The collection and use of such information is governed by the FirstNet Privacy Policy found at: https://www.firstnet.com/privacy-policy.

Customers that make FirstNet PTT Streaming Video available to Users must:

- Ensure Users limit the recording and video transmission functions to mission-critical and public-safety purposes. Use for any other purpose is prohibited.
- Use the service only in compliance with applicable laws.
- Obtain opt-in consent from all Users of the video recording and transmission features of the FirstNet PTT Solution.

No individual using FirstNet PTT Streaming Video shall have any expectation of privacy in connection with use of the service. Customer bears sole responsibility to educate and monitor users with respect to information, security and privacy associated with use of FirstNet PTT Streaming Video.

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