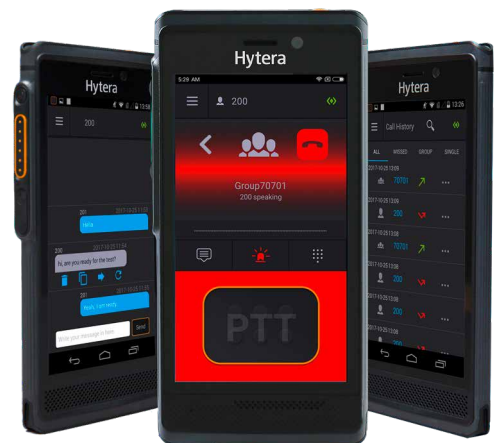




PTTconnect

Push To Talk for your smartphone

PTTconnect is the powerful PTT-over-Cellular (PoC) solution to turn your smartphone into a professional radio-like communication device. Secure communication with great audio quality and prompt call-setup is what Hytera brings to your business.



Instant Communication. Secure.

Hytera's PTT solution for your smartphone

Comprehensive functions packed into a user-friendly smartphone app – PTTconnect by Hytera is the future of professional enterprise communication. It enables instant Push To Talk (PTT) team communications across all your workgroups in order to boost coordination and productivity of teams. Serving a wide range of industries, from First Responders to Private Industry, it takes your critical communications to the next level.

Stay in touch

You need to stay in touch with your workers and communication partners at all times. Application-rich mobile broadband networks and WiFi coverage on your premises, guarantee a clear communication at all times with PTTconnect. Your worker's safety and efficiency are vastly improved by it. No matter if your team members are spread across several working sites, offices, cities or even regions – PTTconnect is the perfect choice to unify your enterprise communication.

PTTconnect offers full connectivity to existing PMR radio systems like ACCESSNET-T IP. Widen your area of operations and leave behind the limits of your mobile radio system – with a tip of your finger.

Fast

PTTconnect offers best-in-class fast call-setup times to enable an instant voice communication experience. Even in most demanding mission-critical environments, where time is crucial, users fully rely on the low-latency PTT protocol by Hytera PTTconnect. In addition to this, voice delays are kept to an absolute minimum and do not increase over talk group sizes or coverage.

Secure

Your communication benefits from encrypted VoIP data transfer as well as authentication of users and their apps. Safeguarding both confidentiality and integrity of communications is a major aspect of the PTTconnect solution. These measures of IT security do not impair the superior audio performance of the solution. Even gateways to traditional PMR radio systems like TETRA are interception-proof.

Absolute privacy of your communication is ensured while tapping of conversations is effectively prevented by encryption.

Intuitive

The solution is exceptionally easy-to-use and the app has a sleek, user-friendly design. The app meets today's expectations on human factors. With PTTconnect, users can concentrate on their tasks fully. This was proven in a thorough usability testing with experienced PMR users.

You can use PTTconnect on different brands and models of Android™ devices in order to allow a seamless integration with your mobile workforce.

All administration is done via a browser-based web interface. The PTTconnect server is deployed as a Virtual Machine (VM) and can be integrated into existing IT systems easily.

Connective

Your mobile workforce can flexibly connect to each other by using either public or private cellular networks based on UMTS, HSDPA and LTE™ or even using WiFi . Any broadband data connection will do.

When connecting to two-way radio systems like narrow-band TETRA the voice and data communication can seamlessly be extended way beyond the physical ranges of the PMR system. Expanding your PMR radio coverage has never been so easy. The TETRA gateway provides a wide range of traditional yet sophisticated PMR features via a reliable and high-capacity IP-based API.

This fusion of an existing Hytera TETRA radio system with the broadband world of PTTconnect offers you new, almost unlimited, possibilities to increase your productivity and efficiency.

Your terminal - your choice

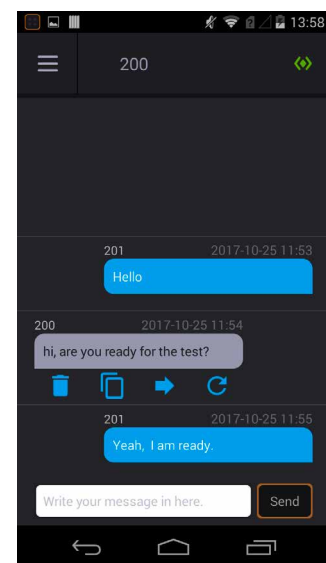
You have the choice on which devices you use PTTconnect. Our solution can be deployed on Android smartphones from various manufacturers.

In addition, you can also use Hytera PoC radios from the PNC series and thus benefit from further advantages for your communication.



Features

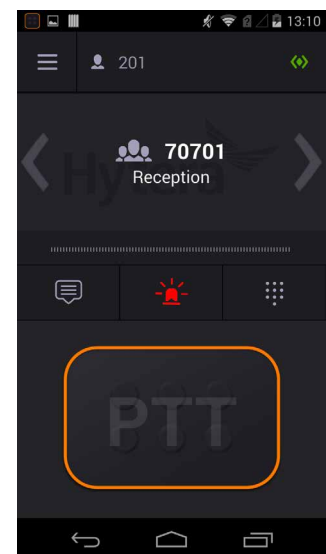
- Best-in-class minimum call-setup time and minimum voice delay
- Outstanding audio quality
- Industry-leading low IP bandwidth
- Requires no radio infrastructure investment, works on existing cellular networks
- Instant voice communication (PTT, PoC)
- Flexible wireless connect on WiFi and 2G/3G/4G networks



Message view



Main screen with Emergency Call



Main screen with Talkgroup Selection

PMR functions for PTTconnect

Group calls for organizing the scope of participants

- Support of priority levels (incl. pre-emptive priority)
- Emergency group call (Group call with emergency priority)
- Late Entry (with TETRA)
- Broadcast Call (receiving)
- Scanning for Group-call activity

Private calls for peer-to-peer communication (Individual call)

- Support of priority levels (incl. pre-emptive priority)
- Emergency private call (Private call with emergency priority)
- Private call, half-duplex and full duplex

Messaging for traceable information

- Text messages (SDS)
- Emergency status and messages (Alerting)
- Display of number of unread messages
- Messages grouped by conversation
- Predefined short messages (status SDS; status codes)

Generic voice functions

- Instant speaker identification (Talking Party Indication, TPI)
- Minimum bandwidth voice encoder (ACELP, TETRA)
- switchable audio amplification

Security and management services

- Authentication
- Automatic encryption for secure communication
- Remote updates and remote configuration (Over-the-Air, OTA)
- Server-based configuration and supervision with web-based access
- User profile management
- Redundancy option for central server

Efficiency boost and connectivity options

- Dispatcher / Command Center option
- Voice Recorder option
- Connection to external mission-critical land mobile radio systems
- Flexible choice of smartphones and purpose-built devices
- Connection to professional third-party audio accessories

Functions of the user interface

- Emergency call button
- Option to map hardware PTT (Push To Talk) button
- Multiple international languages
- Call history (dialed, missed, received/answered)
- Talkgroup lists to be used for group scanning
- Offline mode for access to previous communication
- GPS location transmission in emergency call mode



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Encryption features are optional and have to be configured separately; they are also subject to German and European export regulations.

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