

# SmartPTT Enterprise 9.15.100

## Customer Release Notes



# MOTOTRBO Updates

Compliance with the newest firmware and software updates for technology enthusiasts.

## **M2025.03**

SmartPTT supports the newest MOTOTRBO release. This includes IP Site Connect, Capacity Plus Single Site, Capacity Plus Multisite, and Capacity Max. Also, this applies to wireless interfaces supported by SmartPTT.

## **CONNECT PLUS R2.10.5**

SmartPTT keeps supporting Connect Plus systems upgraded to MOTOTRBO release R2.10.5.

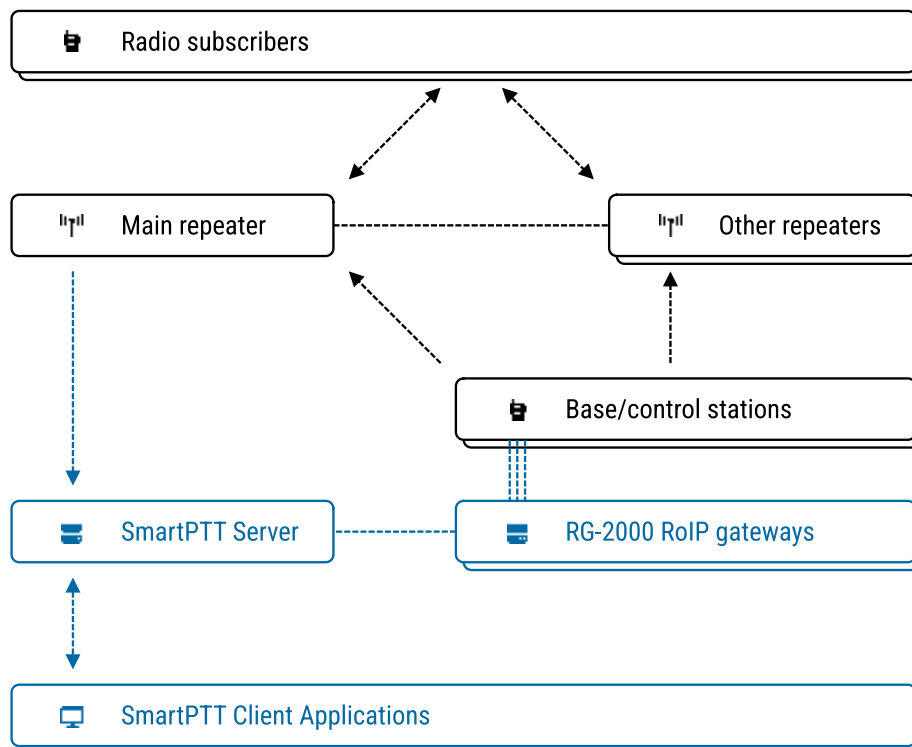
# Voice Support in Capacity Plus Multisite

Cost-effective all-in-one dispatch software for trunked systems

SmartPTT introduces voice and radio commands support in Capacity Plus Multisite (also known as Linked Capacity Plus) using the hybrid voice interface. The term “hybrid” here refers to the following topology aspects:

- Ability to receive voice and radio commands over the IP connection to the main repeater of the system.
- Ability to transmit voice and radio commands over base/control stations.

For the overview, refer to the diagram available below:



### Benefits and opportunities:

- Deploy cost-effective voice recording solutions powered by the SmartPTT in Capacity Plus Multisite systems. Remove donor radios if unnecessary.
- Deploy competitive voice dispatch solutions based on SmartPTT in any Capacity Plus Multisite systems.
- Use control stations in a cost-effective way. You do not need “one group one station” convention anymore. Just install them on the sites where you need them. Incoming calls will be automatically detected and replies processed properly.
- Benefit from the simple per-interface licensing of your voice-capable solution.

### Requirements:

- Repeaters require<sup>1</sup> NAI voice licenses. If data needs too, NAI data license is required too.
- Ensure your SmartPTT subscription is current to install this release.
- SmartPTT must have the active “Wireline Voice Receive (LCP)” license key. For the related part number, please contact your SmartPTT sales managers.

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<sup>1</sup> Only for Capacity Plus Multisite systems only. Not required for Capacity Plus Single-Site.



# Advanced Encryption in IP Site Connect

Must-have for really secure communications in digital conventional radio systems

SmartPTT introduces the support of advanced encryption in the voice-capable IP Site Connect interface. This includes encryption and decryption of both voice and data calls (GPS, TMS etc.). This development completes the support of all encryption modes available in MOTOTRBO IP Site Connect.

Benefits and opportunities:

- Deploy secure voice dispatch solutions for MOTOTRBO conventional systems using SmartPTT.
- Experience cost effectiveness of the SmartPTT Enterprise solutions.

Requirements:

- Repeaters must have the IP Site Connect license. Radios must have the license for the corresponding encryption mode.
- Ensure your SmartPTT subscription is current to install this release.
- SmartPTT must have the active corresponding license key. For the related part number, please contact your SmartPTT sales managers.



# Phone Interconnect Advancements

Increased compliance with industry standards for comfortable communications

## **RTP-BASED SESSION CONTROL**

SmartPTT introduces a way to establish long-lasting phone calls between radio subscribers and phone users. Previously, SmartPTT ended the calls if subscribers did not reply within the session inactivity timeout timer.

With the new release, SmartPTT might be configured to send RTP packets periodically to the PBX side. This preserves the phone call session as long as needed, until any party decides to end it explicitly.

Benefits and opportunities:

- Unlock the ability to instruct/dispatch radio subscribers as long as needed.
- Deploy the voice interoperability solutions for PBX and narrowband radio using SmartPTT as a core.
- Ensure SmartPTT compliance within the most standard phone system configurations.

Requirements:

- Ensure your SmartPTT subscription is current to install this release.
- SmartPTT must have the active “Telephone Interconnect” license key.

## **COMFORT NOISE IMPLEMENTATION (RFC 3389)**

SmartPTT introduces comfort noise for phone users participating in voice calls with MOTOTRBO subscribers. The noise is a standard way to indicate the current call status for the phone users as well as the reasonable completion of the RTP-based session control for the phone calls.

Benefits and opportunities:

- Facilitate your phone calls with radio subscribers using SmartPTT.
- Deploy competitive and RFC-compliant voice interoperability solutions with SmartPTT.

Requirements:

- Ensure your SmartPTT subscription is current to install this release.
- SmartPTT must have the active "Telephone Interconnect" license key.



# Inter-Server Patching Enhancements

Internal works aimed at easier maintenance and future advancements

SmartPTT informs you about internal enhancements made for Inter-Server Patching, a feature that unlocks voice communication between subscribers registered in different radio systems and dispatched by different SmartPTT systems. The enhancements are various source code modifications that eases feature maintenance and future scalability.

Benefits and opportunities:

- Deploy reliable SmartPTT-based solutions that do not have a single point of failure and support server backup.
- Deploy scalable voice interoperability solutions with SmartPTT at its core that integrate analog radio systems, digital radio systems, mobile subscribers, and phone calls.

Requirements:

- Ensure your SmartPTT subscription is current to install this release.
- Consider compliance with the [functionality prerequisites](#) and [networking requirements](#).
- Recommended capacity of up to 11 active patch groups with up to 11 resources per patch group should not be exceeded.
- SmartPTT must have the active “Inter-Server Patching” license key. Dispatch position responsible for inter-server patch group management must have the “Additional Radioserver” license keys.



# Client List Enhancements

Easier ways to manage large numbers of mobile subscribers and dispatchers

## ACCOUNT LIST EXPORT AND IMPORT

SmartPTT introduces the ability to export and import user accounts apart from the whole server configuration. Based on the exemplary export file, you can populate the file with necessary users, set up their own settings (like subfleets/labels, unique Radio IDs etc.), and import them to SmartPTT.

Benefits and opportunities:

- Save your costs at SmartPTT configuration by avoiding manual account addition and setup.
- Ensure the product uptime with on-save changes enablement. No need to interrupt your operations with server restart.
- Access flexible import policies (override, add new, add and modify).

Requirements:

- Ensure your SmartPTT subscription is current to install this release.
- Prepare your import file in JSON format.

## ACCOUNT LIST SORTING

SmartPTT introduces the ability to sort the list of accounts by names. This functionality eases access to the required accounts at some cases.

Benefits and opportunities:

- Save your costs at selected SmartPTT re-configuration scenarios.

- Ensure the product uptime as any changes do not require server restart and process interruptions.

Requirements: Ensure your SmartPTT subscription is current to install this release.



# Networking Requirements Update

Ensure the product compliance with network delays supported in your radio systems

SmartPTT introduces the revised networking requirements to its critical communication components. Currently, SmartPTT handles two-way delays that comprise several hundreds of milliseconds. Support of such networks is critical for voice communications in SmartPTT that include group calls, individual calls, and emergency calls. Detailed information about the new requirements is available in SmartPTT manuals and on [SmartPTT Wiki](#).

Benefits and opportunities:

- Deploy reliable solutions for voice dispatch and voice interoperability with SmartPTT at its core.
- Deploy voice-centric solutions in challenging networking environments.

Requirements: Ensure your SmartPTT subscription is current to install this release.



# SNMP Interface Enhancements

Free yourself from the “unique community strings” policy for devices

SmartPTT introduces the possibility to set up duplicated community strings for network devices monitored over SNMP. The devices are necessary components of base stations like power supplies, network switches, network routers etc.

Previously, SmartPTT required every device to have a unique community string for identification. That complicated SmartPTT and external SNMP server setup as well as prevented SmartPTT from being operable. Now, you may assign duplicated community strings to several devices and monitor them as one. You will get warning messages on duplications, but the solution will be operable.

Benefits and opportunities:

- Save your costs on configuring SNMP functionality in SmartPTT. Exclude excessive communication between SmartPTT admins and IT personnel who might be responsible for SNMP. Eliminate re-configuration expenses from your budgets.

Requirements:

- Ensure your SmartPTT subscription is current to install this release.
- SmartPTT must have the active “Monitoring” license key. For the related part number, please contact your SmartPTT sales managers.



# Domain Names Support Intro

Simpler link establishment with greater independence from IT routines

SmartPTT introduces the possibility to connect Dispatcher Apps to main and backup servers using domain names. This increases product compliance with the standard corporate network configurations with DHCP and DNS services.

ⓘ Changes apply to Dispatcher App connection to Servers. Other connectivity settings subject to revision and upgrade in future releases.

Benefits and opportunities:

- Save your costs on SmartPTT re-configuration every time your IT representatives upgrade the corporate network settings.
- Reduce your system downtime in case of issues with static/dynamic IP addressing.

Requirements:

- Ensure IPv4 addresses have priority over IPv6 addresses in your DNS servers. SmartPTT supports IPv4 addresses only.
- Ensure your SmartPTT subscription is current to install this release.



# Contact Us

SmartPTT is developed and released by Elcomplus Inc., a Florida corporation (US). For more information on the product, visit <https://smartptt.com/products/smartptt/>

## TECHNICAL SUPPORT

To contact a technical support engineer, use the following information:

- Email: [support@smartptt.com](mailto:support@smartptt.com)
- Web form: <https://support.smartptt.com/hc/en-us/requests/new>
- Phone: [+1-786-362-5525](tel:+1-786-362-5525)

## SALES & MARKETING

If you have any questions related to the product sales, email to [sales@smartptt.com](mailto:sales@smartptt.com)

If you have any questions related to the product marketing, email to [marketing@smartptt.com](mailto:marketing@smartptt.com)

## FEEDBACK

We would like to hear your feedback. If you have anything to share with us, please email to [feedback@smartptt.com](mailto:feedback@smartptt.com)