

SEAMLESS VOICE HANDOVER

VOICE COMMUNICATIONS ACROSS NETWORKS

Your MOTOTRBO™ DMR radio system is designed for excellent coverage, but there are times when you need to go beyond the boundaries of the network, without losing your vital connection.

Seamless Voice Handover maintains your voice communications by automatically switching to broadband when your radio signal fades, then back again when you return to coverage on your MOTOTRBO Ion radios.

The handover is typically less than three seconds with Capacity Max, and requires no user intervention. DMR voice is sent over LTE unchanged, so radio functionality and voice quality are maintained. Authentication, status, talkgroups, and encryption are all preserved, without interruptions or resets.

Handover received signal strength indicator threshold can be configured through RadioCentral, but DMR is always prioritised. Talkgroups are configured individually to enable or disable Seamless Voice Handover. The system can support up to a maximum of 200 simultaneous calls¹.

DEPENDENCIES

- Radio firmware R02.00.00 (M-ION.2021.04) or later
- Capacity Max LMR Infrastructure²
- CMSS with minimum version of M2021.04
- Repeater with minimum version R2021.04.01 for SLR 1000/SLR 5500/SLR 8000 or R2021.04.02 or later for other MOTOTRBO repeaters
- WAVE PTX Radio Gateway (WRG) device with minimum WRG build version of helixfirmware@522
- Radio Central (RC) with minimum version of 2.122.70.0
- Radio Management (RM) with minimum version of 2.122.70.0
- ESU Launchpad with minimum version of R17.12.00.93-04
- Ion WAVE PTX SafeGuard License

BENEFITS

- Radio users can stay connected to the radio network even when they are outside radio coverage
- No special behavior or commands are required: handover is automatic
- Automatically mitigate dead zones on- and off-site
- Consistent voice quality and loudness between networks

DELIVERY

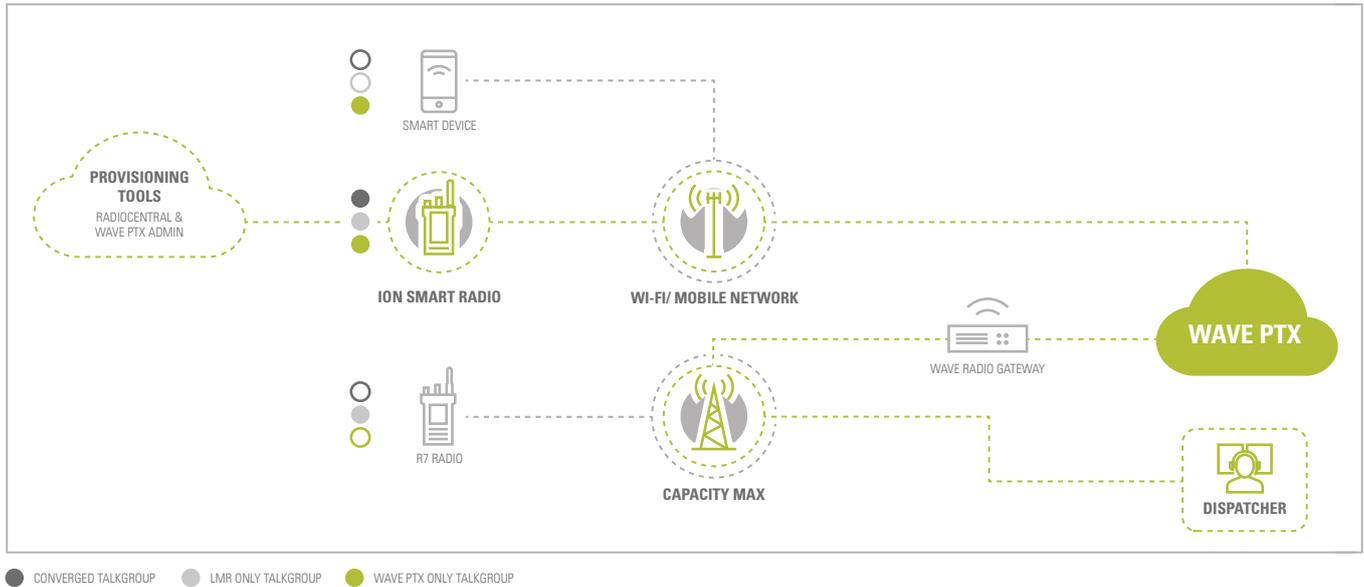
Seamless Voice Handover is a subscription service per device. Please speak with your authorised Motorola Solutions representative to learn about available options.

¹Dependant on the WAVE PTX Radio Gateway hardware setup

²Additional system types will be supported in the future



MOTOTRBO ION SEAMLESS VOICE HANDOVER INTEGRATION



USE CASES

NATIONWIDE COVERAGE

When users need to roam between sites, for example, a maintenance technician driving between two manufacturing plants, or hotel staff traveling between properties, Seamless Voice Handover allows them to connect back to their home network.

DEAD SPOT MITIGATION

While MOTOTRBO systems are designed to provide the best coverage possible, there is always a possibility of a “dead spot” for instance deep inside large buildings – including factories, schools and hospitals. With Seamless Voice Handover, users can leverage broadband to maintain coverage when roaming inside larger buildings, or new buildings where radio infrastructure has not been implemented, but Wi-Fi or LTE coverage exists.

For more information, please visit
www.motorolasolutions.com/ionradio

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Availability is subject to individual country law and regulations. All specifications shown are typical unless otherwise stated and are subject to change without notice.

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