

WAVE PTX: PUSH-TO-TALK HAS NEVER BEEN THIS EASY



NATIONWIDE COMMUNICATIONS AT THE PUSH OF A BUTTON

Connect your team with greater speed and efficiency with a push-to-talk over cellular service that has no boundaries.

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WHAT IS WAVE PTX?

WAVE PTX is a carrier-independent broadband push-to-talk subscription service from Motorola Solutions, that uses the cloud to extend two-way radio communication to phones, tablets and PCs, to help business and enterprise organizations get more done faster.

Eliminate the barriers between devices, networks, and locations, and let everyone be part of the conversation.



INSTANT RADIO COMMUNICATION WITH OR WITHOUT THE RADIO

- Nothing is faster than PTT
- PTT from a smartphone, tablet or desktop
- Use any wireless carrier

WATCH THE VIDEO:
WAVE TAKES PUSH-TO-TALK FURTHER



ABOUT US



Partner With a Trusted Communications Expert

Electronic Maintenance & Communications, Inc. (EMCI Wireless) has been in the business since 1975. We're the largest solution provider in Florida for mission critical wireless communications and commercial networks. We're committed to creating, maintaining, and growing our client and industry partner relationships. We guarantee that our network and devices perform at the highest level possible. They're effective in the most critical of moments. Call us today to learn how we can get your company set up with two-way radios in Florida.

Established in 1975, Electronic Maintenance & Communications, Inc. (EMCI) is one of the largest solution providers for mission critical and commercial wireless communications networks.

Our 40 years of success comes from a commitment to building, maintaining, and growing our relationships with our customers and industry partners. EMCI's customers rest assured that their network and devices perform at the highest level in the critical moments that matter most.

NATIONWIDE COMMUNICATION



NATIONWIDE COMMUNICATION



WAVE PTX™ (PUSH-TO-TALK SERVICE)

Connect your team with broadband push-to-talk across different devices, networks, or geographic boundaries with a subscription-based communication service. Broadband PTT operates on LTE, so your organization gets the speed and simplicity of professional radio PTT communications with the ability to share details via text, photo, video, or file attachment.

WAVE PTX can also extend a traditional radio system's reach to those who don't carry radios. This solution runs on existing devices such as smartphones and tablets so all staff can reach each other, across campuses and facilities and in real-time during emergencies.



KEEP YOUR TEAM PRODUCTIVE

In the age of nearly instant delivery and fast service, consumers and businesses expect speed, reliability, and convenience at every turn. Customers demand the best: next-hour delivery; accurate, real-time travel information; instant gratification; and seamless services. Tolerance for disruption is incredibly low in a reality where businesses and individuals are used to getting almost anything, any time they want.

In short, the baseline for a "good" customer experience is on the rise – and it's driving up expectations across all sectors

While companies that rely on delivering goods, people, or services to businesses or communities are always striving to be on time, these elevated consumer expectations and increased volume of transit have strained organizations. The table stakes have been raised, and fleet organizations are struggling to keep up and stay competitive in an increasingly tough environment.

Beyond avoiding downtime, your organization must be able to step up to intensified market conditions. If you can deliver sooner and provide service faster, with fewer errors and at a lower cost, you have a critical advantage.

NATIONWIDE COMMUNICATION

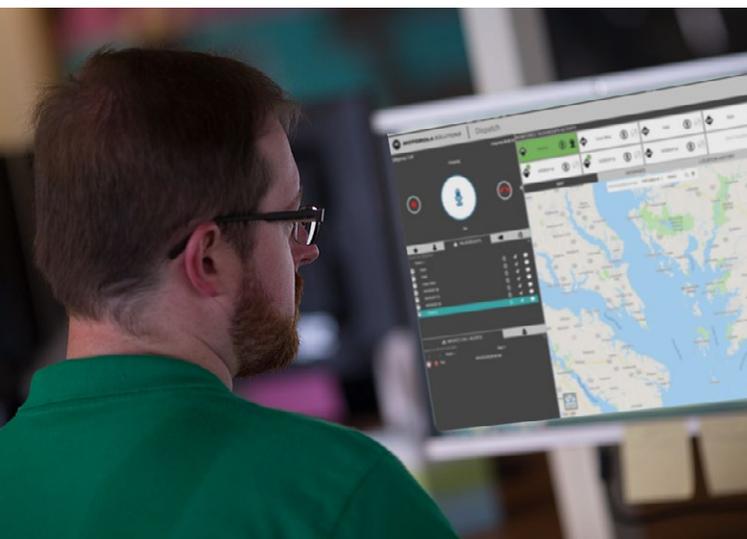


KEEP YOUR TEAM SAFE

Your people are your most important asset. Recent years have seen a shortage of drivers in transportation and logistics – a trend that is only expected to increase. Combined with growing customer demands and expectations, your employees are being pushed to do more. While productivity is important, the safety of your team is paramount. Today, many fleet organizations are using multiple devices to connect their teams on the road and in the office – including smartphones, tablets, and two-way radios. But often the interfaces do not interact, and the multitude of devices can lead to distractions on the road.

In addition, commercial drivers face a number of regulations limiting device usage. The Federal Motor Carrier Safety Administration (FMCSA) has banned commercial truck and bus drivers from handheld cellphone use – prohibiting reaching for, dialing, or holding a mobile telephone while operating a commercial motor vehicle. Drivers who fail to comply are subject to penalties of up to \$2,750 for each offense, while companies who allow their drivers to use handheld cell phones while operating a commercial vehicle face a civil penalty of \$11,000 per violation.

Your team needs an all-in-one device that is purpose-built for the job at hand, ensuring instant communications without distraction and within nationwide or state regulations.



KEEP YOUR TEAM CONNECTED

We live in an always on, instantly connected world. One where we can easily communicate with anyone, anywhere. For fleet organizations, staying connected can be a challenge. Workers are highly mobile – often resulting in a need for extended coverage over large distances. Whether that is long stretches of remote open-air road or across county or state lines, your team needs reliable, connected communications across critical, but far-flung infrastructure.

WAVE PTX SERVICE PLANS



WAVE PTX SERVICE PLANS

WAVE PTX TLK100 Portable Radio Service

Contract Pricing

\$35 30 Month Plan
(TLK100 included at no cost)

\$25 After 30 Months
(Pricing drops down to \$25
starting on the 31st month)

Month-to-Month Pricing

\$25 Month to Month Plan
(TLK100 sold separately for \$350)

Features

- ✓ Nationwide PTT ⁽¹⁾
- ✓ Group & Private Calls
- ✓ Location Reporting
- ✓ Remote Device Management

Optional Add-Ons

MOTOTRBO Interoperability: ⁽²⁾ **\$3/Monthly**

SafeGuard Package:

Month-to-Month: **\$5/Monthly**

30 Month Contract: **\$5/Monthly**

WAVE PTX TLK150 Mobile Radio Service

Contract Pricing

\$35 30 Month Plan
(TLK150 for only \$150)

\$25 After 30 Months
(Pricing drops down to \$25
starting on the 31st month)

Month-to-Month Pricing

\$25 Month to Month Plan
(TLK150 sold separately for \$450)

Features

- ✓ Nationwide PTT ⁽¹⁾
- ✓ Group & Private Calls
- ✓ Location Reporting
- ✓ Remote Device Management

Optional Add-Ons

MOTOTRBO Interoperability: ⁽²⁾ **\$3/Monthly**

SafeGuard Package:

Month-to-Month: **\$5/Monthly**

30 Month Contract: **\$5/Monthly**

Wifi BACKUP

STAY CONNECTED OVER WIFI - EVEN WHEN OUT OF A MOTOTRBO RADIO COVERAGE AREA - AND SAVE

Do you need to expand your MOTOTRBO digital radio system, or enable a new one? Do you have radio signal barriers that can prevent communication? The WiFi BACKUP option powered by MSI's WAVE group communications service, enables XPR 7000e Series, XPR 5000e Series and SL 7000e Series radios to be programmed to switch between radio mode and WAVE PTX mode to connect to the Internet via your WiFi network. User License **\$8/Monthly**

WAVE PTX SERVICE PLANS

WAVE PTX Mobile User

\$8 Per Month

Features

- ✓ PTT from Any Wireless Carrier⁽³⁾
- ✓ Group & Private Calls
- ✓ Location Reporting
- ✓ Multimedia Messaging

Optional Add-Ons

MOTOTRBO Interoperability:⁽²⁾ **\$3/Monthly**
 SafeGuard Package: **\$5/Monthly**
 Streaming Video: **\$14/Monthly**

WAVE PTX Dispatch User

\$32 Per Month

Features

- ✓ MOTOTRBO Connectivity
- ✓ PTT from Any LAN
- ✓ Group & Private Calls
- ✓ Location History
- ✓ Mapping
- ✓ Multimedia Messaging

Optional Add-Ons

MOTOTRBO Interoperability:⁽²⁾ **\$3/Monthly**
 SafeGuard Package: **\$70/Total**
 Streaming Video: **\$130/Monthly**

WAVE PTX SafeGuard Package

ENHANCE SAFETY AND IMPROVE EFFICIENCY WITH THE WAVE SAFEGUARD PACKAGE

The WAVE PTX Safeguard option provides users with an extensive array of 3GPP MCPTT-based features to keep your employees connected, informed and safe.

The Package Includes these Critical Communications Features:

Ambient Listening

Makes it possible for dispatchers or supervisors to check on the well-being of users by remotely opening the device's microphone.

Discreet Listening

Dispatchers or supervisors can monitor all PTT communications between targeted user and other PTT callers.

Emergency Calling & Alerting

Users press a hard or soft dedicated button to initiate an emergency call to an individual or group.

LMR Interoperability

Let's you connect MOTOTRBO and non- MOTOTRBO Push-To-Talk radio users quickly and easily with Wave PTX users.

Location-Based Temporary Groups (Managed by Dispatcher-Only)

Adds/removes members from a talkgroup as they enter or leave a defined geographic area

Remote User Check

Allows supervisors or dispatchers to monitor health of a user's device, including battery level, signal strength, and location.

User Enable/Disable

Supervisors or dispatchers can remotely enable or disable PTT function on specific devices

1. Coverage will vary. 2. Gateway required for Interop. 3. Wireless carrier fees are not included.

WAVE TLK SERIES TWO-WAY RADIOS



WAVE TLK SERIES TWO-WAY RADIOS

TLK SERIES TWO-WAY RADIOS

Communicate instantly with team members across the country at the push of a button. Bridge multiple job sites, facilities, and operations without needing to set up or maintain a complicated infrastructure. Connect with team members regardless of their network, on existing LMR devices to smartphones and more. Fast-track productivity with a nationwide push-to-talk network that powers the quickest push-to-talk setup and call times. Experience coverage you can count on thanks to reliable nationwide PTT networks – the WAVE two-way radio works whenever and wherever you need.

Get the best of both worlds with instant two-way radio communication at a nationwide scale. By connecting to your existing Land Mobile Radio (LMR) systems and smartphones, the WAVE radio extends push-to-talk benefits to all your team members, whether they are on the same job site or across the country.

Forget building out or maintaining a costly radio infrastructure. Get your team up and running quickly by deploying nationwide push-to-talk without the need for costly or time-consuming FCC or spectrum licensing, or manual programming. You can even use the TLK Series two-way radios with your current compatible two-way radio systems and smartphones.

As an affordable monthly investment, you can scale your service to match your business needs. And depending on your contract commitment, you can reduce or stop your service easily, at any time.

- Easy to Use and Manage
- Nationwide Push-To-Talk
- Built for the Job



TLK 150



TLK 100

WAVE TLK SERIES TWO-WAY RADIOS



EASY TO USE AND MANAGE

Communicate instantly and manage talkgroups and subscriptions in real time. Maximize coverage, connections, and productivity without expanding infrastructure. Say goodbye to radio programming cables. Update an entire fleet over the air, without having to touch a single device.

Grows with Your Business

We will work with you to easily add or remove devices from your customer portal. We provide training so that you are able to make minor changes to your account as well.

Communicate Across Platforms

Boost collaboration no matter what device the team is using. Whether it's front office workers talking to the construction site, or the warehouse coordinating the drop-off with the delivery driver, the WAVE app enables instant communication between smartphones and devices across carriers.

Radio Integration Capabilities

Connect to MOTOTRBO systems you already own and expand the reach of your trunked systems to a nationwide network* for maximum ROI.

One Button, Multiple Teams

Collaborate at the speed of business with push-to-talk. Contact multiple teams simultaneously, and securely communicate with just one button.

NATIONWIDE* PUSH-TO-TALK

Get the best of both worlds by using two-way radio communication on a nationwide network*.

Nationwide* Push-To-Talk

Communicate instantly with team members across the country at the push of a button. Bridge multiple job sites, facilities and operations without needing to set up or maintain a complicated infrastructure.

*Coverage will vary.

BUILT FOR THE JOB

Get all the benefits of WAVE with a rugged two-way radio. Purpose-built for business, everything about the TLK Series two-way radios is smart and intentional.

Built Tough

Never worry about rain, dust, extreme temperatures or even the occasional drop. These portable and mobile radios are designed to perform in harsh working environments.

Location Tracking

Easily manage your workforce using GPS to maximize safety, check project status, find faster routes, modify tasks, and position team members where they are needed most.

Wi-Fi Connectivity

Stay in touch inside industrial buildings and other environments where cellular coverage may be limited by sending and receiving push-to-talk calls over compatible Wi-Fi networks.

Private and Group Push-To-Talk

Flexible call options let you communicate between groups or one-on-one conversation.

Emergency Calling and Alerts

Enhance worker safety by instantly connecting those in danger with the designated individual or group who can provide assistance.



WAVE TLK SERIES TWO-WAY RADIOS



WAVE TLK 100 PORTABLE TWO-WAY RADIO: NATIONWIDE PUSH-TO-TALK

The WAVE TLK 100 portable two-way radio is a powerful and slim PTT enabled two-way radio that allows your employees to stay connected anywhere in the nation. They just press a single button for direct PTT voice access to colleagues, delivered with crisp, clear audio.

Purpose-built for rugged use across a range of often chaotic, loud, or dispersed worksites, the TLK 100 portable radio is ideal for construction, private security, transportation and logistics, and field services. There is no distracting, breakable screen. No texting, applications, or email to get in the way. With single-button operations and battery life sure to outlive any smartphone, employees can get started immediately with a greatly reduced learning curve.

With the WAVE TLK 100 two-way radio, you only pay for what you need. The device can be free, with a 30-month contract. And since these radios are an affordable monthly investment, not a costly long-term expense, you can buy the radio outright, and stop your service easily, at any time.

Forget building out or maintaining a costly radio infrastructure. Get your team up and running quickly by deploying nationwide* push-to-talk in less than 24 hours. You can even use the WAVE two-way radio with your current compatible two-way radio systems and smartphones. There is no costly or time-consuming FCC or spectrum licensing, or manual programming required.

**WATCH THE VIDEO:
WAVE™ TWO-WAY RADIO TLK 100**

WAVE TLK SERIES TWO-WAY RADIOS



FEATURES AND BENEFITS

Powerful and Slim Design

Move seamlessly from the field to the office with a streamlined device that supports one-handed use. Hear conversations clearly in noisy environments with loud and clear audio.

Long Battery Life

Have power when you need it most. With a battery that is designed to last 18 hours, you can focus on the project instead of worrying about recharging.

Screenless Design

Maximize productivity by minimizing the distractions of email, text and other apps — while empowering your team to focus on the job at hand.



ACCESSORIES

Unleash the full potential of your TLK 100 portable two-way radio with compatible accessories delivering exceptional durability, reliability and intelligence.

Your radio is only as good as the accessory or battery attached to it – make sure it's Motorola or Motorola approved.

- Antennas
- Batteries
- Chargers
- Carry Solutions
- Wired and Bluetooth Audio
- Vehicular Hands-free Solutions



WARRANTY AND REPAIRS



Support When You Need It

When the unpredictable happens to your TLK 100 two-way radio, Essential Services provide you access to Motorola's Technical Support teams and resources for troubleshooting and maintenance. A TLK 100 two-year extended warranty is included from the date of end user purchase.

WAVE TLK SERIES TWO-WAY RADIOS



WAVE TLK 150 MOBILE TWO-WAY RADIO: NATIONWIDE PUSH-TO-TALK

In today's rapidly evolving world, transportation, and logistics companies – and many fleet organizations – are feeling the pressure to ensure that every single part of their operations is fully connected, safe and running on time. Fortunately, there is a technology option that provides the effective voice and data communications your organization needs to get ahead of the competition.

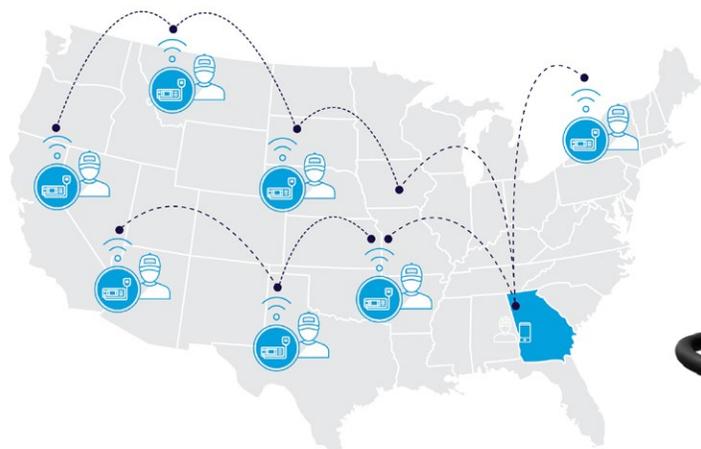
Combining the broad coverage of a nationwide* cellular network with the ease of two-way radio communication, the TLK 150 enables your team to connect instantly. By connecting to your current existing Land Mobile Radio (LMR) systems and smartphones, the radio extends push-to-talk benefits to all your team members for in-vehicle operation, whether they're on the road to a different job site, location or across the country.

More reliable, more efficient, and easier to use than a smartphone, the TLK 150 gives you everything you appreciate about two-way radio – and more. Purpose-built for organizations and fleets where in-vehicle communication is paramount, the radios combine power with simplicity – providing instant information without distraction.

One button push-to-talk or Bluetooth® capable accessories make it easy to connect and is compliant with Federal Motor Carrier Safety Administration (FMCSA) regulations. So, you know your employees are safe and undistracted.

TLK 150 leverages existing infrastructure, so everything you need to get your team up and running is ready right out-of-the-box, enabling you to deploy quickly throughout your fleet. You can even use the TLK 150 with your current compatible two-way radio systems and smartphones. There is no costly or time-consuming FCC or spectrum licensing, or manual programming required.

You can even use the TLK 150 with your current compatible MOTOTRBO systems, LMR and smartphones. There's no costly or time-consuming FCC or spectrum licensing, or manual programming required.



WAVE TLK SERIES TWO-WAY RADIOS



FEATURES AND BENEFITS

Operate Safely in Vehicles

Use the one button PTT microphone or take advantage a variety of hands-free accessories to operate safely on the road and stay within Federal Motor Carrier Safety Administration (FMCSA) regulations for driver distraction.

High Quality Audio

Hear conversations clearly while on the road, no matter if communication is held through the compact microphone, visor microphone, or external speaker.

Powerful, Compact Design

Operate seamlessly with a small, compact device that can be mounted in multiple places in a vehicle.



ACCESSORIES

Unleash the full potential of your TLK 150 mobile two-way radio with compatible accessories delivering exceptional durability, reliability and intelligence.

Your radio is only as good as the accessory or battery attached to it – make sure it's Motorola or Motorola approved.

- Antennas
- Cables and Accessories
- External Speakers
- Mounting Accessories
- Vehicular Hands-free Solutions



WARRANTY AND REPAIRS



Support When You Need It

When the unpredictable happens to your TLK 150 two-way radio, Essential Services provide you access to Motorola's Technical Support teams and resources for troubleshooting and maintenance. A TLK 150 three-year extended warranty is included from the date of end user purchase.

WAVE TLK RADIO ACCESSORIES



WAVE TLK RADIO ACCESSORIES



WAVE™ TWO-WAY RADIO TLK 100 & TLK 150 ACCESSORIES

YOUR RADIO IS ONLY AS GOOD AS THE ACCESSORY OR BATTERY ATTACHED TO IT – MAKE SURE IT'S MOTOROLA OR MOTOROLA APPROVED

Risk-taking has its place in the business world, but not with your vital communication needs. A mismatched battery, a flimsy headset or an ill-fitting carry case are just some of the ways your radio may not be ready at the moment you have to use it.

That's why Motorola Original accessories are your only option for making the most of your radio's capabilities. Every Motorola accessory is designed, built and rigorously tested to the same quality standards as Motorola radios. Enhance your two-way radio capabilities with high-performance Motorola Original® accessories to ensure your radio is ready to do its job time after time – helping to increase your productivity.

THE POWER OF YOUR MOBILE AND PORTABLE RADIOS UNLEASHED

Two-way radio offers the best technology when you need instantaneous, secure and controllable communications. Using the right accessories with the radio can add real value for you by providing a complete, customized solution that is safer and easier to use with improved system performance.

Motorola Solutions offers a vast range of accessories for the TLK Series two-way radios:

- Antennas
- Audio Accessories
- Batteries, Chargers and Cables
- Cables and Accessories
- Carry Accessories
- External Speakers
- Mounting Accessories
- Push-to-Talk Solutions

WAVE TLK RADIO ACCESSORIES

TLK 100 PORTABLE TWO-WAY RADIO ACCESSORIES



PMLN7932

CARRY ACCESSORIES

Our versatile portfolio includes a swivel carry holster (ships in-box with radio), a flexible hand strap and a rotating heavy-duty belt clip.

PMLN6074	Nylon Wrist Strap
PMLN7128	Heavy-Duty Swivel Belt Clip
PMLN7932	Carry Holster with Swivel Belt Clip



PMNN4468

PMLN7101

PMLN7109

BATTERIES, CHARGERS AND CABLES

Keep your radios functioning at all times with these essentials. Charge your Lithium Ion batteries in single or multi-unit charging docks.

PMNN4468	Li-Ion 2300 mAh Battery
HKLN4678	Battery Cover
PS000150A11	Micro USB Wall Charger, 5W 100V-240V (US Plug)
PMLN7101	Six-Pocket Multi-Unit Rapid Rate Charger, 90V-264V (US plug)
PMLN7109	Single-Unit Rapid Rate Charger 5V/1A, 5W, 100V-240V (US plug)
CB000262A01	Micro USB Programming Cable



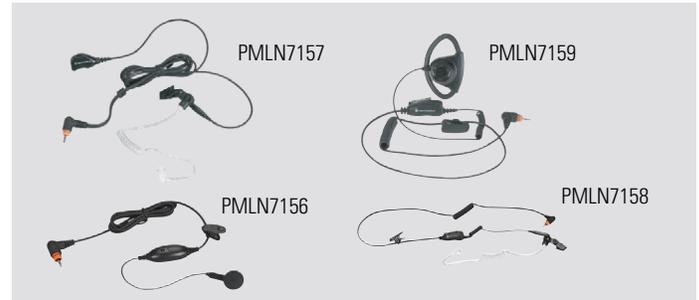
AT3069A

AT6088A

ADDITIONAL ACCESSORIES

Compatible Accessories not sold by Motorola Solutions.

AT6749A	Hands-Free (Complete Car Kit)
AT6750A	Hands-Free with Lock (Complete Car Kit)
AT3069A	Advance Communicator
AT6088A	12 Bay Battery Charger
AT6751A	Mobile Radio Charger Kit



PMLN7157

PMLN7159

PMLN7156

PMLN7158

AUDIO ACCESSORIES

WAVE two-way radio audio accessories are designed for lasting comfort and improved device performance. In-line microphones and prominent push-to-talk features provide easy hands-free communication.

PMLN7189	Swivel Earpiece with In-Line Microphone and Push-To-Talk
PMLN7156	Mag One Earbud with In-Line Microphone and Push-To-Talk
PMLN7157	2-Wire Surveillance Kit with Translucent Tube, Black
PMLN7158	1-Wire Surveillance Kit with In-Line Microphone and Push-To-Talk, Black
PMLN7159	Adjustable D-Style Earpiece with In-Line Microphone and Push-To-Talk, Black
RLN6242	Low Noise Kit with Translucent Tube and 1 Clear Rubber Eartip
5080384F72	Replacement Foam Plugs for RLN6242. Noise Reduction = 24dB. Pack of 50 pairs.
RLN6282	Replacement Standard Clear Rubber Eartip for RLN6242. Pack of 50.



HKAN4002

ANTENNA ID BANDS

ANTENNAS

Outfit your WAVE two-way radio with a high-efficiency stubby antenna. Colored antenna ID bands are available for easy customization.

HKAN4002	Stubby Antenna - US
32012144001	Gray Antenna ID Band (pack of 10)
32012144002	Yellow Antenna ID Band (pack of 10)
32012144003	Green Antenna ID Band (pack of 10)
32012144004	Blue Antenna ID Band (pack of 10)
32012144005	Purple Antenna ID Band (pack of 10)

WAVE TLK RADIO ACCESSORIES



TLK 150 MOBILE TWO-WAY RADIO ACCESSORIES



PUSH-TO-TALK SOLUTIONS

Make communicating easier and safer with these optional accessories from a simple PTT microphone to a complete hands free solution.

PMMN4129	Wideband Compact Mobile Microphone
GMMN4065	Visor Microphone
RLN4856	Remote Mount Footswitch Push-to-Talk
RLN4857	Remote Mount Pushbutton Push-to-Talk
PMMN4127	Bluetooth Remote Speaker Mic (WM500)
RLN4836	External PTT with Emergency Footswitch



AC000240A01

EXTERNAL SPEAKER

Boost audio at your workstation or in your vehicle.

AC000240A01	Wideband External Speaker, 16 W
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MOUNTING ACCESSORIES

Choose where to mount the radio without compromising safety. Extend the value of your previous purchases by using XPR 2500 mounting kits

RLN6466	Low Profile Trunnion Kit
RLN6467	High Profile Trunnion Kit
RLN6468	Key Lock Trunnion Mount
FTN6083	In-Dash Mounting Kit - DIN

CABLES AND ACCESSORIES

HKN4137	Mobile Power Cable 10 FT, 14 AWG, 15A
PMLN8153	PS Adaptor and Cable
HKN9327	Ignition Sense Cable
HLN9457	16 Pin MAP Connector Kit

ANTENNAS

AN000359A01	GNSS Dash Mount Antenna
AN000358A01	LTE Antenna

WAVE PTX (PUSH-TO-TALK SERVICE)



WAVE PTX (PUSH-TO-TALK SERVICE)



WAVE PTX™ MOBILE APP BROADBAND PTT APPLICATION

SINGLE APP. MULTIPLE MEDIA.

ONE APPLICATION AND TWO MODES

PTT Radio for the experience of conventional radio, and Standard for device-based management of contacts and talkgroups.

MULTIMEDIA MESSAGING

Increase the speed and clarity of information via text, photo, video or file attachment.

LOCATION AND MAPPING

Track your team on a map, share your location, find an address or set a meeting place.



PTT Radio



Standard

WAVE PTX (PUSH-TO-TALK SERVICE)

KEY FEATURES:



PTT Communications – Fast, secure and reliable PTT voice communication at the touch of a button. Collaborate with an individual, predefined group or ad hoc groups created on the fly.



Integrated Messaging – Push text, video, audio, photos and files to individuals or groups. See threaded history for communication details. Store and forward is supported for offline users.



Mapping and Location – Find an address, coordinate a meeting place or share your location with others.



Streaming Video – Optional feature that allows users to share real-time video at the push of a button, increasing communication clarity and improving situational awareness.



SafeGuard Package – add this optional set of 3GPP MCPTT-based features to improve safety, situational awareness, and operational efficiency for all WAVE PTX users.



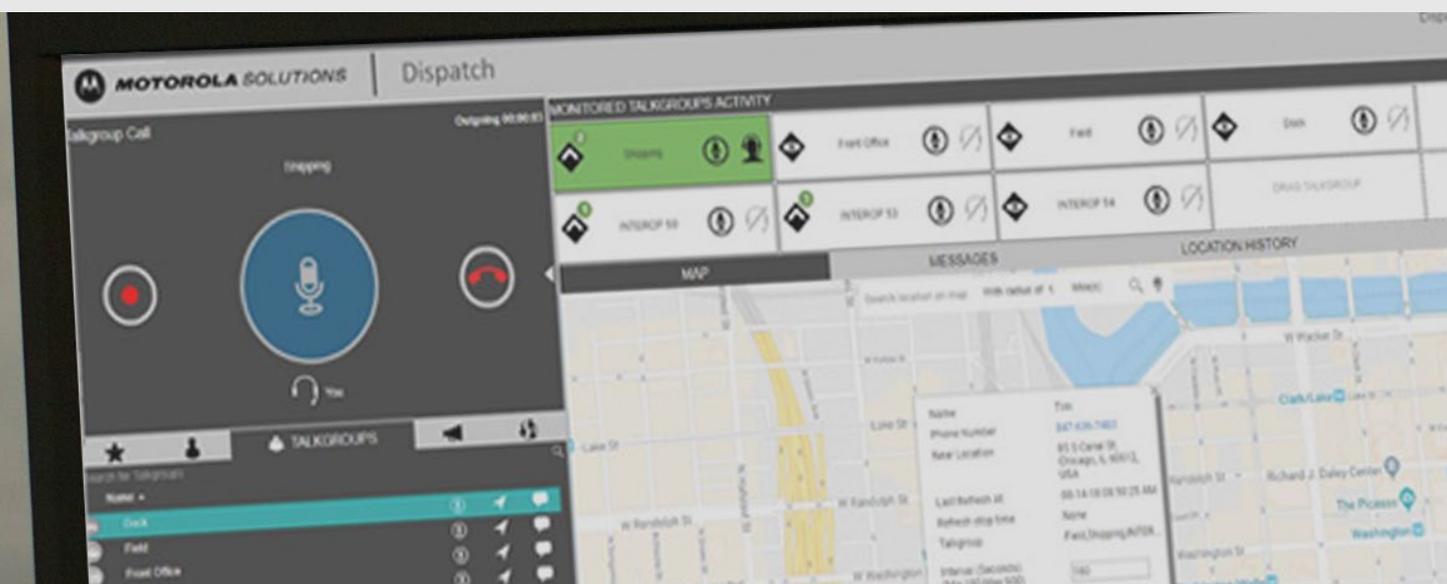
Real-Time Presence – Set your status and see who is available with real-time presence information – Available, Do Not Disturb or Offline.



OPTIONAL ADD ONS

Streaming Video – Optional feature that allows users to share real-time video at the push of a button, increasing communication clarity and improving situational awareness.

SafeGuard Package – add this optional set of 3GPP MCPTT-based features to improve safety, situational awareness, and operational efficiency for all WAVE PTX users.



WAVE PTX STREAMING VIDEO



VIEW EVENTS AND ACTIVITIES AS THEY HAPPEN WAVE PTX STREAMING VIDEO

SEE A REAL-TIME VIEW OF EVENTS AS THEY HAPPEN

How many times has someone said, “if they could only see what I see” when trying to convey verbally to another person what’s going on around them? That’s because using words to paint a mental image of what’s happening at that moment can be a frustrating and time-consuming experience.

Whether someone is a shopping mall security guard watching a food fight grow, an HVAC technician experiencing problems with a new install procedure or an EMT dealing with a critical patient, the ability to stream video in real time is the key to increasing the speed and clarity of their communications.

Compliant with the 3rd Generation Partnership Project (3GPP) Mission Critical Video (MCVideo) standard, WAVE PTX Streaming Video makes it possible for users to push live video to individuals, groups, or dispatchers. The result is increased situational awareness for dispatchers, supervisors, and other recipients because they have a real-time view of events and activities as they happen.

To stream video to a group, the originator selects the talkgroup for the video call. To start the group call, the originator again taps the video icon located to the left of the PTT button. Streaming starts when the first member of the talkgroup accepts the incoming video call, and the stream is available to any member of the group that is configured to receive group video. Please note that originators can make a streaming video call to a talkgroup even if they are not configured to receive group video calls.

For both individual and group streaming, the PTT call audio and video audio can be mixed, or the PTT call audio can have priority. In addition, the originator has the option of choosing which camera, front, or rear, to broadcast. The originator can also tap the video call screen to minimize the video and tap the microphone icon to mute or unmute the audio sent with the live video stream.

COMBINE VIDEO AND AUDIO IN A SINGLE, INSTANTANEOUS COMMUNICATIONS SESSION

The optional Streaming Video feature allows WAVE PTX broadband PTT mobile users to push live H.264 video, with audio, from their device’s integrated camera(s). The streaming video recipients can be any assigned contacts or groups that are capable of receiving video calls. Each video session can have just a single originator, and each participant can have only one active video call at a time.

To stream video to an individual, the originator taps the Contacts button to display the list of contacts and selects the one with whom to start a video call. To start the one-to-one video call, the originator taps the video icon located to the left of the on-screen PTT button. When the contact accepts the incoming video call, streaming begins. To end the streaming video call, either the originator or recipient can tap the end call button.

THEY SEE WHAT I SEE

By integrating streaming video in a single push-to-talk application, originators have a tool that brings the robustness of face-to-face communications to remote communication.

Because recipients see what they are seeing, originators can combine video and voice in a single, instantaneous communications session to increase the speed and efficiency of their communication.



WAVE PTX EMERGENCY CALLING AND ALERTING



EMERGENCY CALLING AND ALERTING

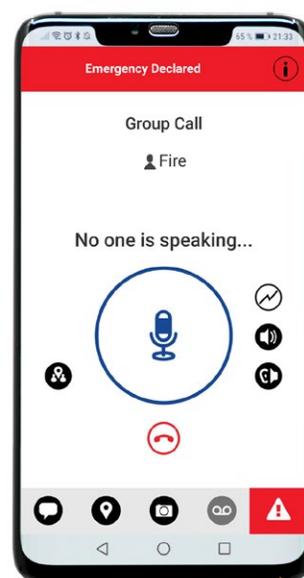
PRIORITIZE PTT CALLING TO ENHANCE WORKER SAFETY

Whether you are an undercover officer in need of assistance during an arrest, a utility worker injured at a remote job site, or an EMT dealing with a hallucinating patient, you need priority communication with those who can help at the touch of a button.

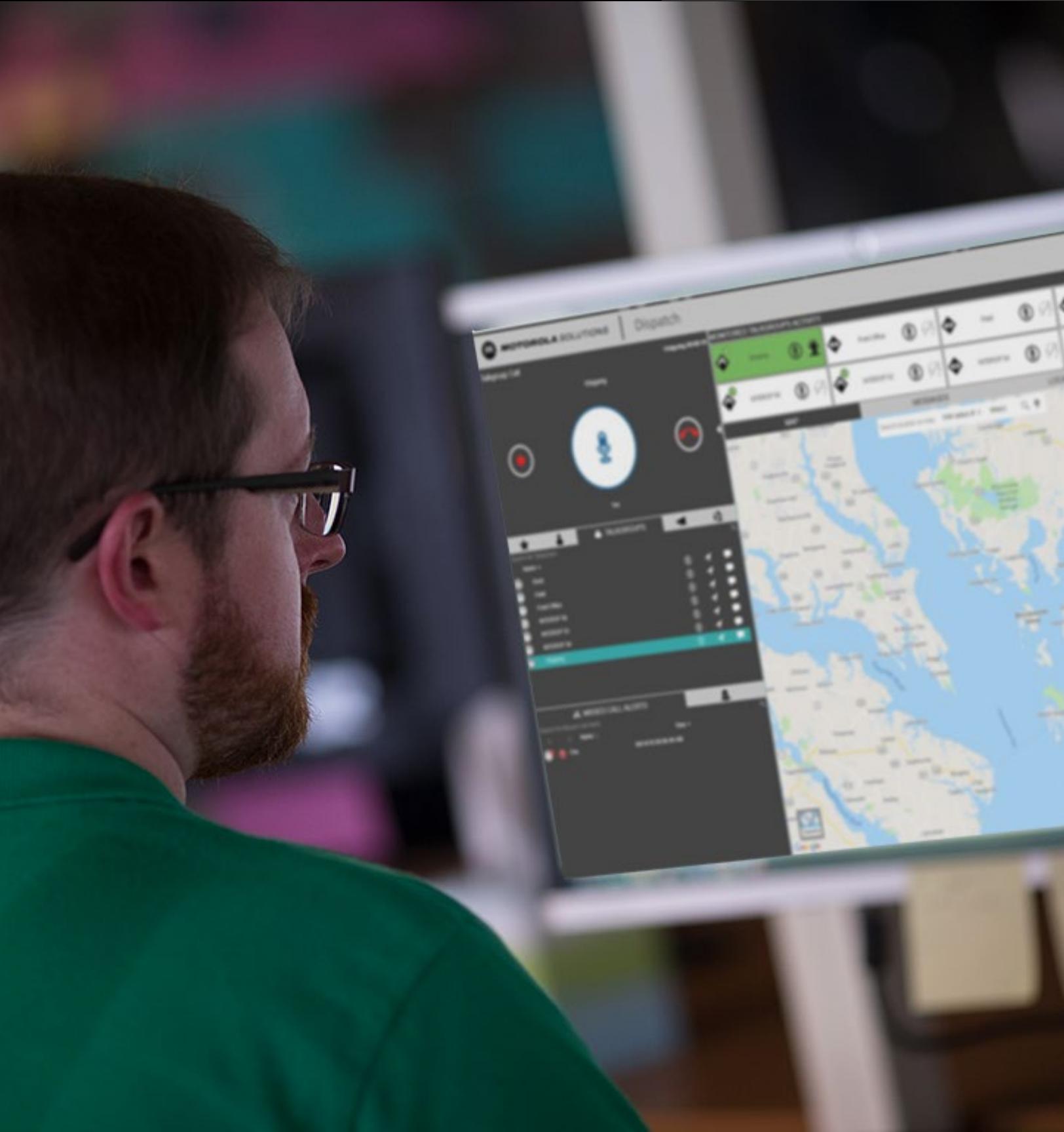
Compliant with the 3rd Generation Partnership Project (3GPP) Mission Critical Push-to-Talk (MCPTT) standard, Emergency Calling and Alerting from Motorola Solutions makes it possible for those in immediate danger to quickly communicate with the individuals or groups who can provide assistance. With the push of a button, users can declare an emergency to ensure that all broadband PTT communication is immediately routed, with the highest priority, to the designated individual or group. The result is enhanced worker safety, particularly for those working alone.

INITIATE AN EMERGENCY CALL

Users press a hard or soft dedicated button to initiate an emergency call to an individual or group.



WAVE PTX DISPATCH



WAVE PTX™ DISPATCH



WAVE PTX™ DISPATCH CENTRALIZED COMMUNICATIONS ANYWHERE

Simplify day-to-day operations with WAVE PTX Dispatch. Log in from any internet connection and get access to all the communication tools you need to manage your resources and coordinate an effective operation. Regardless of location, with WAVE PTX Dispatch you're just a click away.

SETUP OPERATIONS ANYWHERE

WAVE PTX Dispatch is managed online using your browser, freeing you from maintenance and manual software updates. Securely sign into WAVE PTX Dispatch from anywhere with an internet connection and a standard web browser.

COMMUNICATE IN AN INSTANT

Keep in touch with your teams and field personnel wherever they are with WAVE PTX push-to-talk. Monitor communication traffic and instantly connect with groups and individuals at the touch of a button.

SHARE THE DETAILS

When the details are important, ensure your team has all the information they need. With integrated messaging you can send text, photos, video and files to groups and individuals in a familiar message thread format. See the location of your team, search for an address or point of interest and improve coordination and planning.



WAVE PTX™ DISPATCH

KEY FEATURES



Voice Dispatching Monitor

up to 20 talkgroups.

- One-to-one, group and broadcast PTT
- Presence (Available, Do Not Disturb, Offline)
- Talkgroup scanning with priority
- Voice message fall back
- Call logging and recording
- Supervisory override
- Alerts



Integrated Messaging Exchange

multimedia information.

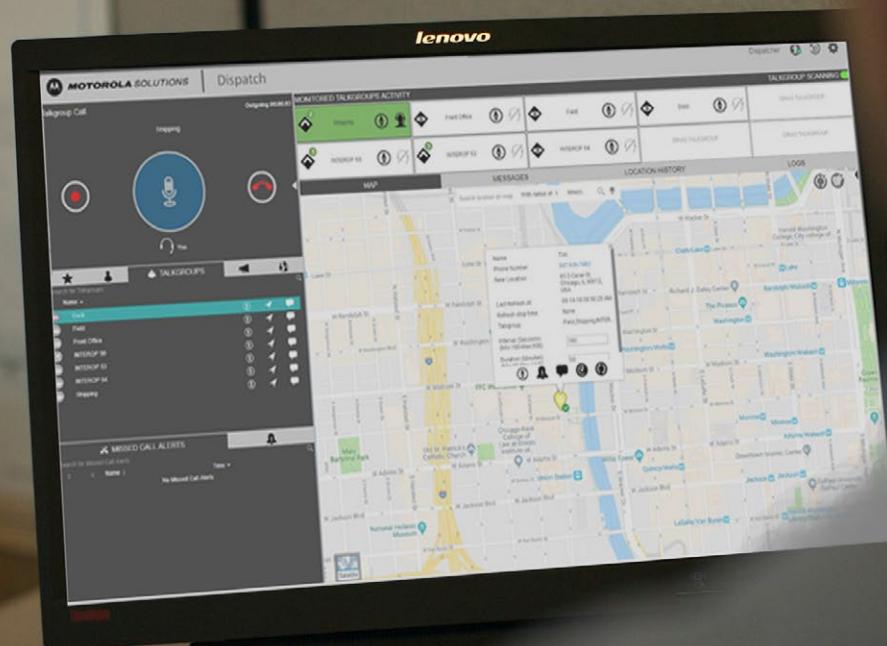
- Text
- Photos (GIF, JPEG, PNG)
- Videos (MPEG-4)
- Audio files (AAC, MP3)
- Documents (PDF)
- Location data



Location and Mapping

Locate and see members on a map.

- See users on a map
- Selectable map views
- Automatic and on demand location updates
- Find an address or point of interest
- Location history and replay
- In-map communication
- Geofencing



WAVE PTX ORCHESTRATE INTEGRATION



MAXIMIZE EVENT RESPONSE WITH WAVE PTX AND ORCHESTRATE INTEGRATION



Get the right information to the right people faster with orchestrate, our cloud-based tool that automatically notifies wave PTX users when an event requires attention.

With the integration of WAVE PTX into Orchestrate, users can automatically receive notifications on iOS or Android smartphones, independent of location or network, when an abnormal or critical security situation occurs. WAVE PTX and Orchestrate integration streamlines your workflows, improves team productivity, and increases communication efficiency.



DETECT

Automatically monitoring remote areas, maximizing resources

Securely harvesting operational data 24/7



ANALYZE

Leveraging And Evaluating Real-Time Data

Providing Actionable Alerts Based on Trigger Type



COMMUNICATE

Setting Up Rule-Based Workflows

Initiating Trigger-Conditional Logic



RESPOND

Accelerated Event Response

Automatically Logging Of Event Information

AUTOMATED SITUATIONAL AWARENESS ON ANY WAVE PTX DEVICE

- Rule-based workflows trigger automatic notification of events.
- Receive text message notification on WAVE PTX device.
- Get right information to right people at right time, independent of network or location.
- Reduce response times and enhance situational awareness.

The result is less downtime and fewer breaches because it is easier and faster for teams to detect, analyze, and respond to operational events.

WAVE GATEWAY



WAVE GATEWAY ONE GATEWAY. MULTIPLE CONVERSATIONS

By connecting the WAVE PTX™ Radio Gateway to your existing two-way radio network and to the MSI WAVE PTX service you can bridge talk group and extend the range of your radio system.

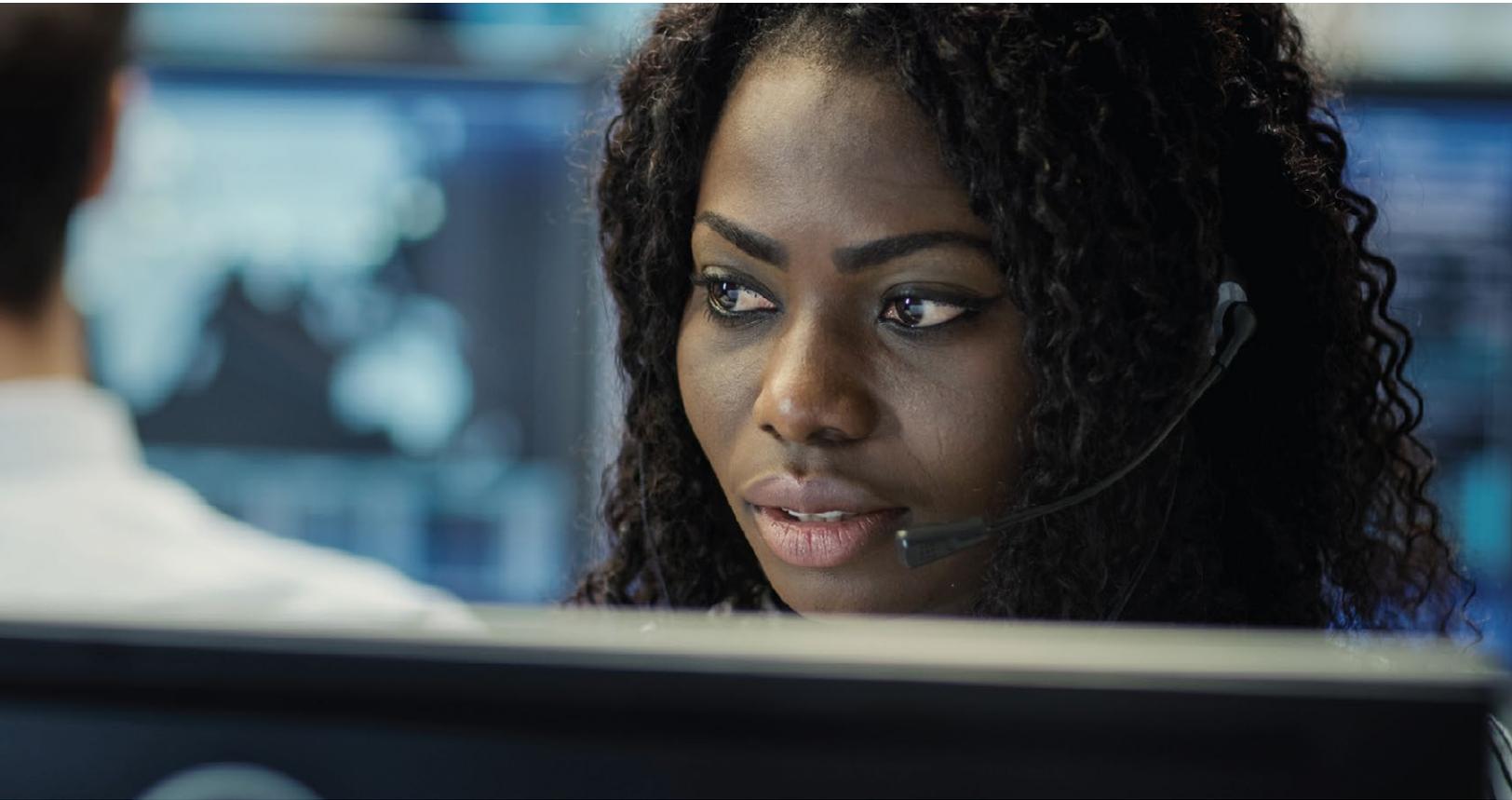
- Off-The-Shelf Micro Desktop
- WAVE Gateway Software
- Multiple Concurrent Voice Paths
- Ships Fully Loaded and Ready to Connect
- Remote Firmware Updates

ADD DATA INTEGRATION TO VOICE INTEROPERABILITY Enhance Operational Awareness

- Access location, presence, and other data for both MOTOTRBO and WAVE PTX devices
- Track location and status of all personnel, regardless of location, network, or device
- Improve visibility into field operations and accelerate time to "x" – awareness, decision, response



WAVE PTX INTEGRATION WITH COMMANDCENTRAL



WAVE PTX INTEGRATION WITH COMMANDCENTRAL AWARE ENTERPRISE

ADD DATA INTEGRATION TO VOICE INTEROPERABILITY TO ENHANCE OPERATIONAL AWARENESS

With CommanCentral Aware Enterprise, you can access location, presence, and other data for both MOTORBO and WAVE PTX devices. From one map display, you can track location and status of all personnel, regardless of location, network, or device. You can also set the reporting cadence and get alerts to emergencies. The net result is improved visibility into field operations and accelerated time to “x” – awareness, decision, and response.



See MOTORBO and WAVE PTX Device Locations on Single Map

- Customize map views with GIS Datasets, Esri, Google, KML, AccuWeather, traffic and indoor floor plans.
- Set rules for map display and automate actions.

Track Device Locations in Real-Time, Set Reporting Cadence, Get Alerts to Emergencies

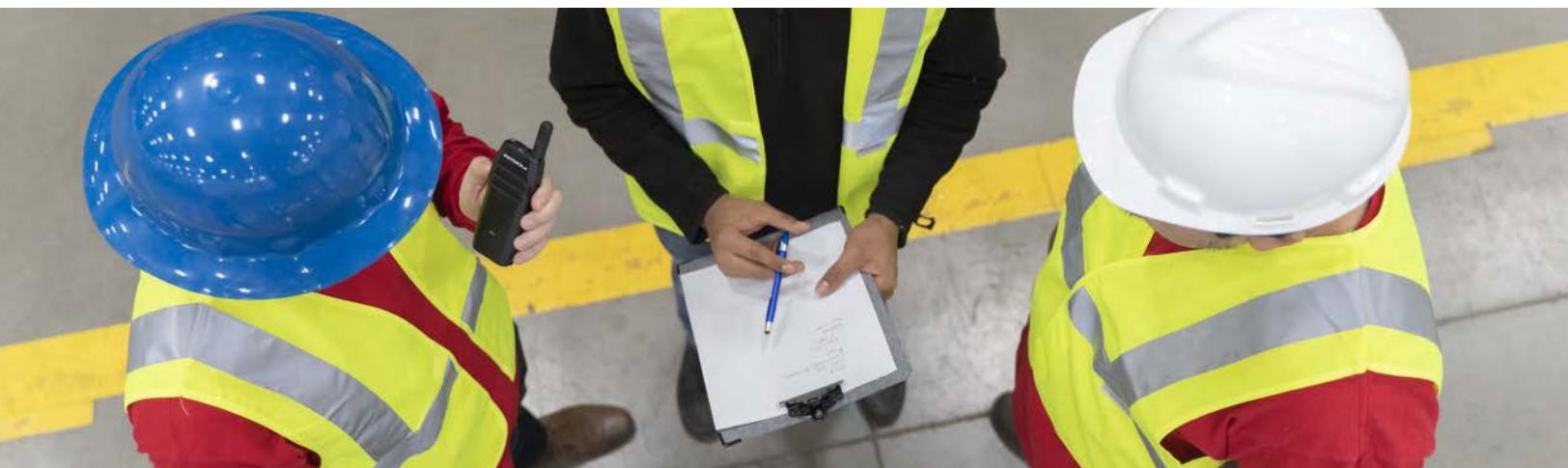
- Customize display to show layers and/or responsibility, users by department or function.
- View 90-day history of device locations, including breadcrumb routes.
- Draw geofences for alerts when devices enter or leave defined areas.

* Requires deployment of Edge Node gateway in MOTORBO network

PTT INDUSTRY SOLUTIONS



PTT INDUSTRY SOLUTIONS



CONSTRUCTION COMMUNICATION ACROSS THE NATION

At the construction site, smartphones just won't cut it. Built tough, the WAVE two-way radio is the ideal communications device. Whether the next job is across the street, across the city, or across the country, the WAVE two-way radio is ready to use. When more radios are needed, it's simple to expand the fleet with minimal set-up required. By using the WAVE PTT application, workers can communicate directly from their radio to any WAVE-enabled smartphone, tablet, or computer located in the country.

NATIONWIDE COMMUNICATION IN ACTION

A large hotel chain is expanding, and new resort properties are popping-up across the nation. While on one of her bi-weekly job site inspections in Florida, the site manager notices the balcony installation does not comply with the specifications stated in the project contract. Using her WAVE two-way radio she instantly PTTs to the Design Engineer back at headquarters in New York. Together they come up with the proper corrective actions and can leverage their WAVE radios to communicate to all the other job sites located across the nation. Instant, nationwide communication helps ensure all the new hotel properties are on track for their targeted completion.



PTT INDUSTRY SOLUTIONS

PRIVATE SECURITY COMMUNICATION ACROSS THE NATION

Security personnel can use the same device, anywhere they go, without the distractions of a smartphone. Today, American retailers lose billions annually to theft. The WAVE two-way radio can help prevent these costly events by further minimizing workplace distractions. Easily expand with new contractors. Effortlessly link teams across town or across the country. Best of all, the WAVE two-way radio could not be simpler to use – it's literally push-to-talk. Even the freshest new hire can pick up the device and immediately share information with the rest of the team.

NATIONWIDE COMMUNICATION IN ACTION

A new hire at a large department store is still getting up-to-speed on the security protocol when he notices a group of teenagers slip a few items into their purses without paying. Using his WAVE two-way radio he instantly PTTs to a security guard two towns over at a different department store location. The experienced security guard is able to walk the new hire through the proper protocol and what actions to take regarding the retail theft. Instant, nationwide communication helps ensure the department store doesn't lose the sale of these stolen items, and the new hire is able to feel more confident in his training.



PTT INDUSTRY SOLUTIONS

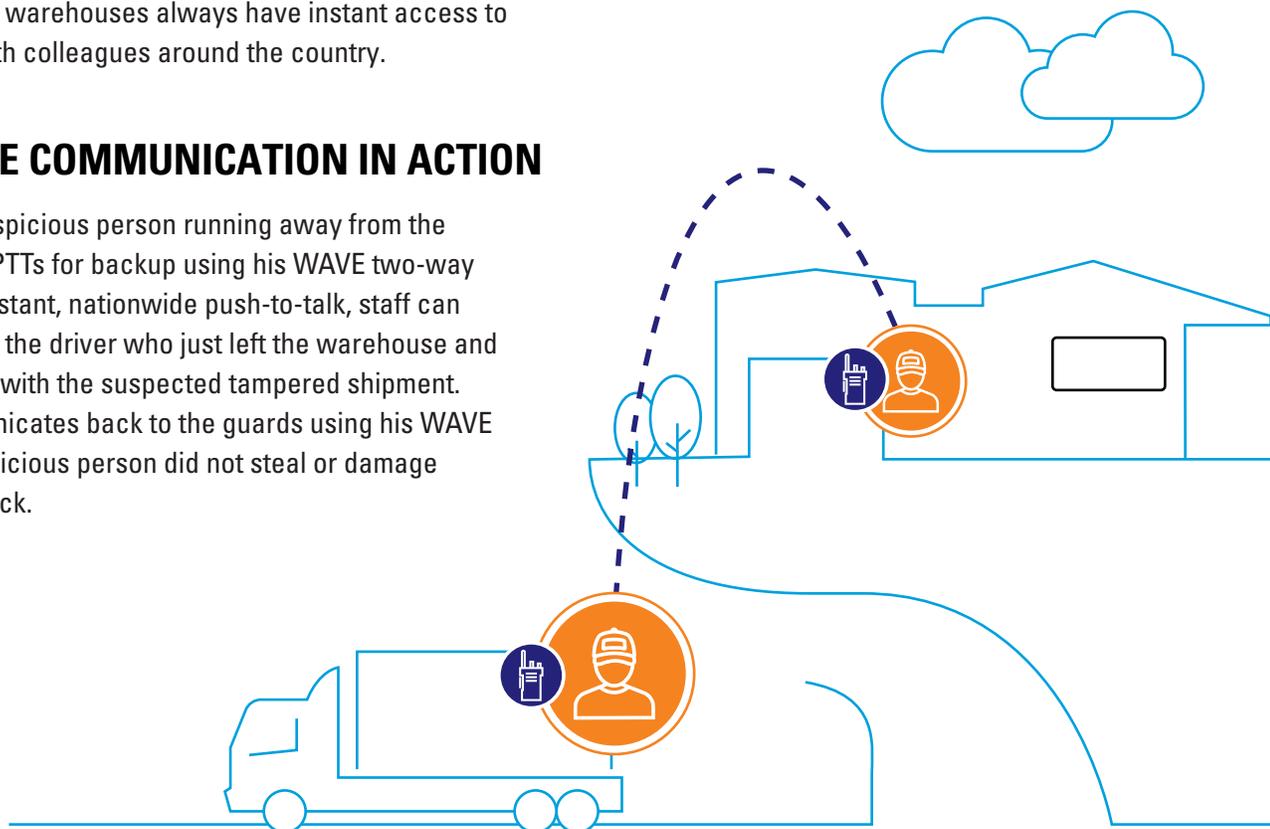


TRANSPORTATION AND LOGISTICS COMMUNICATION ACROSS THE NATION

The WAVE two-way radio, with its tactile one-button functionality, keeps employees safely in contact anywhere the job takes them. So trucking companies are assured instant, clear voice communications from city-to-city and state-to-state, and warehouses always have instant access to check on stock with colleagues around the country.

NATIONWIDE COMMUNICATION IN ACTION

A guard sees a suspicious person running away from the loading dock and PTTs for backup using his WAVE two-way radio. Thanks to instant, nationwide push-to-talk, staff can communicate with the driver who just left the warehouse and is already enroute with the suspected tampered shipment. The driver communicates back to the guards using his WAVE radio that the suspicious person did not steal or damage anything on his truck.



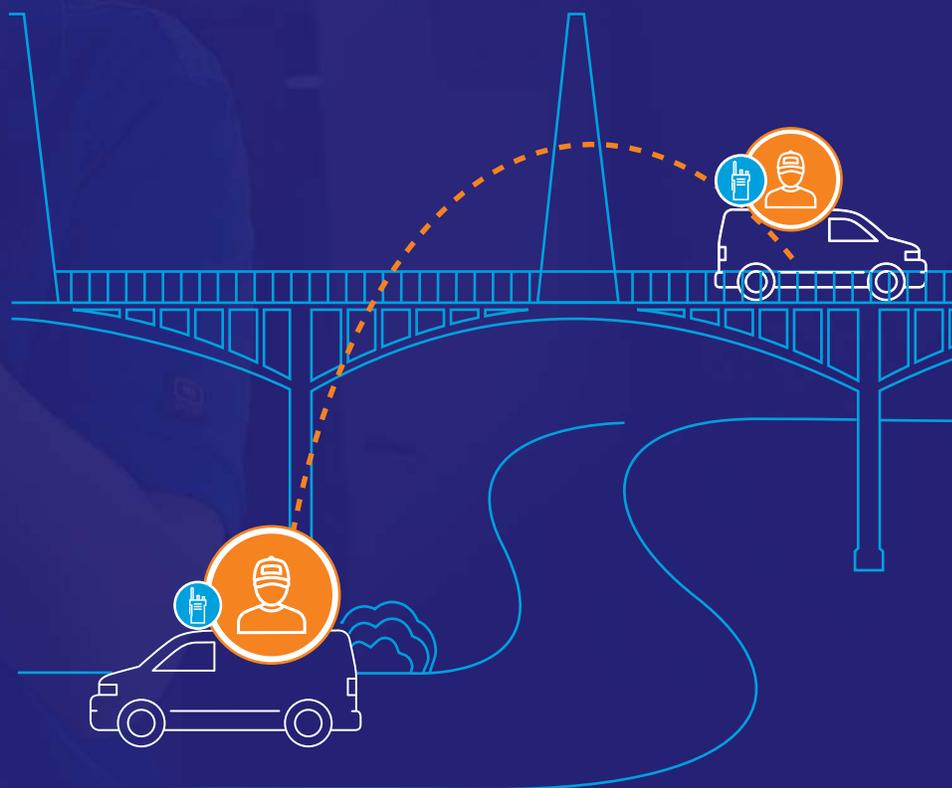


FIELD SERVICES COMMUNICATION ACROSS THE NATION

With GPS and dispatch capabilities, the WAVE two-way radio allows field workers to track their deployed resources and redirect them during downtime between jobs to maximize profitability. Create new talk groups quickly and easily, and help field technicians confidently communicate with the right teams to solve any issue. WAVE two-way radios are ultra-rugged, so workers can bring them virtually anywhere in the nation, in any environment, without worry.

NATIONWIDE COMMUNICATION IN ACTION

A cable repair worker is enroute to replace a broken modem when he realizes he forgot a piece of equipment. Using his WAVE two-way radio he instantly PTTs to a co-worker who is enroute in a neighboring suburb to inquire if he has a spare modem. The cable repair workers are able to coordinate a meetup location and exchange modems. Thanks to instant, nationwide push-to-talk, the cable repair worker did not need to reschedule his appointment and was able to repair the customer's broken modem as scheduled.



PTT INDUSTRY SOLUTIONS



HOSPITALITY COMMUNICATION ACROSS THE NATION

No matter the location of resort properties, the WAVE two-way radio keeps hospitality professionals productive and connected. According to USA Today, 96% of housekeepers would feel safer on the job with access to a panic button⁽¹⁾. The WAVE two-way radio, with its tactile one-button push-to-talk functionality, keeps employees safely in contact at all times. Create new talk groups quickly and easily, so workers can be in constant communication across all resort properties, virtually anywhere in the nation.

(1) UNITE HERE Research Report: "Hands Off, Pants On"

NATIONWIDE COMMUNICATION IN ACTION

A VIP hotel guest is traveling from one hotel location to another hotel location across the country. Once the VIP guest has departed from the resort and is enroute to his next destination, guest services can use their WAVE two-way radio to coordinate the arrival time of the high profile hotel guest. With instant, communication on a nationwide scale, the two hotel locations can communicate from state-to-state and provide real time updates, ensuring a seamless check-in experience.





800-226-7470
EMCIWIRELESS.COM



SEARCHING FOR A SINGLE PUSH-TO-TALK (PTT) PLATFORM THAT MEETS EVERYONE'S NEEDS?

Have you spent years trying to find the right Push-to-Talk (PTT) solution? With the WAVE PTX™ (Push-to-Talk) Service Platform, front line workers, office staff, and management can all have a device tailored to their specific needs. Now, everyone can communicate and collaborate with each other no matter which device they're using. Orchestrate integration streamlines your workflows, improves team productivity, and increases communication efficiency.

PUSH-TO-TALK (PTT) OPTIONS THAT WORK THE WAY YOU DO.

Select the communication tool that best fits your role and responsibility.



Broadband PTT Devices

Get the benefit of WAVE PTX with a rugged two-way radio on a nationwide network.



WAVE PTX Mobile App

Turn your phone into a PTT handset and get instant communication at the touch of a button.



WAVE PTX Dispatch

Login from any Internet connection and manage your mobile workforce from anywhere.