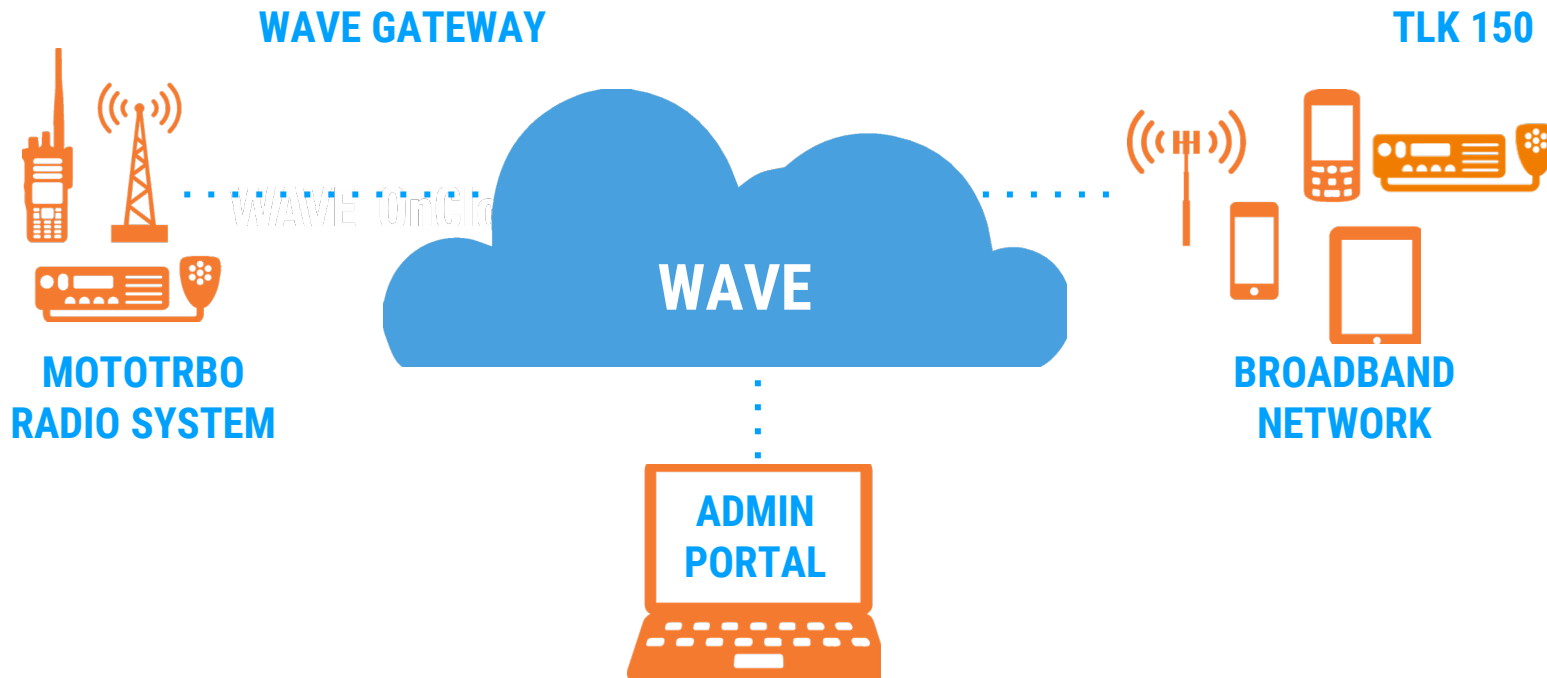# RAPID, RELIABLE DEPLOYMENT. USE NATIONWIDE.

TLK 150 MOBILE TWO-WAY RADIO

MOTOROLA SOLUTIONS

EXTENDING TRADITIONAL TWO-WAY NATIONWIDE

Upgrade your WAVE subscriptions and communicate with existing on-site radio systems from anywhere in the country, allowing the ability to connect your MOTOTRBO™ system to either WAVE smartphone users or our WAVE wireless service.

- Stay connected when outside of your MOTOTRBO coverage areas
- Bring non-radio users into the conversation
- Leverage the equipment you already own
- Talkgroup/user IDs shared

WAVE GATEWAY

TLK 150

WAVE onCloud

WAVE

MOTOTRBO RADIO SYSTEM

BROADBAND NETWORK

ADMIN PORTAL

Utilize our easy portal to map your MOTOTRBO talkgroups and users to WAVE. Contact a dealer near you for additional deployment details and demonstrations

HELPING YOU GET THE JOB DONE

IMPROVING DEPLOYMENT SPEED
TLK 150 mobile two-way radio can be deployed without building out a costly radio infrastructure for wide area networks

ENABLING WIDE AREA PUSH-TO-TALK
TLK 150 mobile two-way radio operates on nationwide cellular network allowing radio-like communication

REDUCED OPERATIONAL OVERHEAD
TLK 150 mobile two-way radio allows immediate remote updating anywhere across the country

REDUCING LIABILITY
TLK 150 mobile two-way radio provides communication and location tracking while meeting federal safe driving requirements

CONTROLLABLE / SCALABLE EXPENSES
TLK 150 mobile two-way radio utilizes a subscription based service that easily scales to meet your business needs

RESTRICTIONS IN GETTING THE JOB DONE

SPEED
System setup and complex sales cycles, infrastructure, frequencies and training delay teams getting to work

COVERAGE
Limitations in coverage area, field teams unreachable

OVERHEADS
Time consuming manual programming can take weeks for a single update

LIABILITY
Smartphones used for non-work activities reduce efficiency and increase potential accidents resulting in company liability
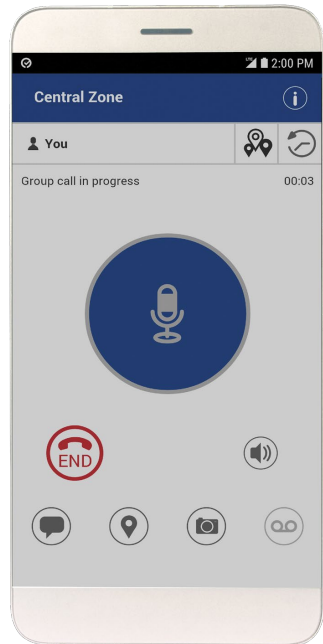
EXPENSES
Large upfront capital expense and need to adjust users depending on peak seasons
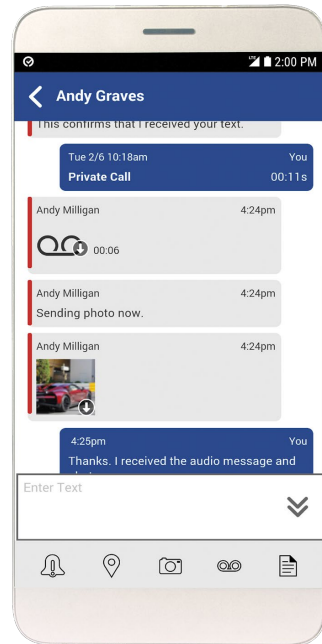
OPERATIONS THAT WORK THE WAY YOU DO
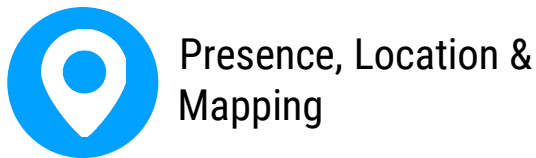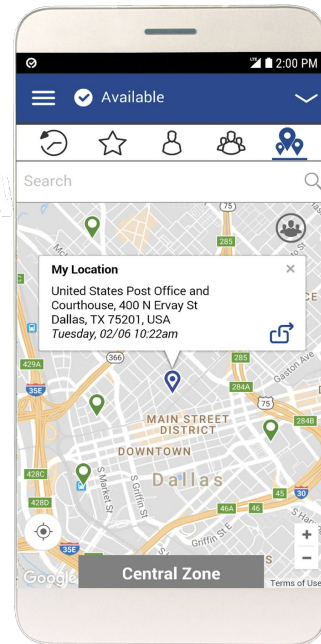
WAVE application
Your Network. Your Device.

WAVE wireless service
Our Network. Our Device.

Private & Group PTT

Multimedia Messaging

Presence, Location & Mapping

POSITIONING TLK 150 & WAVE WIRELESS SERVICE

Ideal fit for:

- Fleet vehicles
- Wide Area Coverage / field services
- BYOD cellular fleet
- Quick deployment / project oriented
- Prefers recurring billing / limited capital
- Seasonal workers / easy scalability

Construction, Concrete & Towing Companies

Regional & School Busses

Shuttle & Taxi Services

YOUR PATH TO NATIONWIDE PTT
PLACE YOUR ORDER, GET YOUR RADIO AND START TALKING

Activating your TLK 150
Install your TLK 150 into a vehicle
Power device and PTT

Configure account and team settings from any computer or smartphone
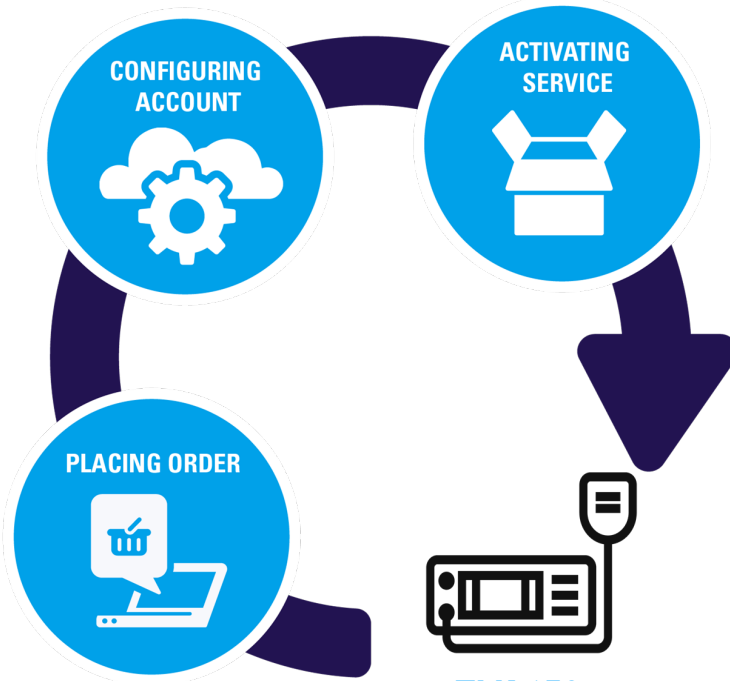Add/Modify Users
Create/Assign talkgroups
Configure traditional two-way systems (optional)

Opening an account and placing an order is simple and quick
Create Account
Select subscription plan
Provide billing information

CONFIGURING ACCOUNT

ACTIVATING SERVICE

PLACING ORDER

TLK 150

TLK 150
MOBILE TWO-WAY RADIO

GET THE JOB DONE

EASY TO USE AND MANAGE

BUILT FOR THE JOB

NATIONWIDE PUSH-TO-TALK

EASY TO USE AND MANAGE

Increase Productivity
Get up and running quickly without costly radio infrastructure

Self-service talkgroups
Over the air updates

Grows with your business
Scale subscriptions based on your workload with self-service billing

Communicate across platforms
The WAVE mobile app enables instant communication between two-way radios and smartphones across carriers

Radio integration capabilities
Connect to MOTOTRBO systems you already own

One button, multiple teams
Collaborate at the speed of business with push-to-talk. Contact multiple teams or individuals.

TLK 150 WITH SIMPLE
RADIO FLEET MANAGEMENT
Single click, hours saved

Whether you're managing
10 devices or a radio fleet of 10,000,
minimizing administration can save
your business time and money

- Change talk groups

- Modify device names

- Add Wi-Fi credentials

- Disable devices

…all in seconds, not hours - without
touching a single device

BUILT FOR THE JOB

Simple Display

Cellular Wi-Fi GPS

TLK 150

1 Dispatch

MOTOROLA

Audio Accessory Port

Contact list / info button

Programmable buttons

Emergency button

4W internal speaker

Compact Design
Small enough to mount over, in, or under the dashboard.

Location Tracking
Manage your workforce using GPS.

High Quality Audio
Hear conversation clearly while on the road. Use new TLK 150 wideband audio accessories for premium audio.

Emergency Calling and Alerts
Enhance worker safety by quickly connecting to assistance.

Simple Display
Maximize productivity by minimizing distractions.

TLK 150 GENERAL SPECS

Network	4G LTE
Channel Capacity	96 Channels
Contact List	300 contacts
Dimensions (HxWxL)	6.65 in x 1.73 in x 3.66 in (169mm x 44mm x 93mm)
Radio Weight	1.41 lbs.
Voice Codec	OPUS
Bluetooth	V4.2 EDR + BLE
GPS	GNSS / A-GPS (GPS, GLONASS, Galileo, BeiDou)
Wi-Fi	802.11 a/b/g/n - 2.4 / 5.0 GHz
IP Rating	IP54 IEC60529
Apps Supported	Powered by WAVE
Encryption	AES-256
Antennas	LTE antennas - External GNSS antenna - External Wi-Fi/Bluetooth antenna - Internal
Connectors	Front RJ45 connector for wired mobile microphone Back antenna SMA connectors Back 20-pin MAP connector for other accessories

TLK 150 BOX CONTENTS

What's in the box?

- TLK 150 Mobile Two-Way Radio

- Wideband microphone

- External LTE antenna

- External GPS antenna

- Power cord

TLK 150 ACCESSORIES

Communicate with these essential vehicle solutions, whether you need a simple PTT or a hands free solution.

Harness the power of high quality audio with the TLK 150 wideband accessories.

Extend the value of your previous purchases by using compatible Motorola Solutions XPR 2500 mounting kits and other accessories

PTT SOLUTIONS

EXTERNAL SPEAKERS

MOUNTS

ANTENNAS & CABLES

For a complete list of TLK 150 accessories, please visit **motorolasolutions.com/TLKSERIES**

TLK 150 AND SMARTPHONES
The clear choice, hands down

- **Compliant** with Federal Motor Carrier Safety Administration (FMCSA) regulations for driver distraction

- **Easy to connect** with one button push-to-talk

- **No need to unlock** it to use it

- Employees **stay more focused** - no apps, texting, or dialing

- **Lower your cost of ownership** and eliminate IT headaches with less to break, fix or maintain

TLK 150 USE CASE

CASE 1: IMPROVING PRODUCTIVITY

Challenge: Employees with company provided smartphones are utilizing these devices for non-work activities (ie. texting, browsing, social media). Non-work activities contribute both to a reduction in employee efficiency and an increase in potential accidents. Companies may be liable for employee accidents involving utilization of company provided devices.

Solution: TLK 150 is purpose built for easy communication and location tracking. This eliminates employee utilization of company devices for non-work activities. Rapid communication at the push of a button improves both productivity and can reduce employer liability.

CASE 2: OPERATING IN LOUD ENVIRONMENTS

Challenge: The use of cell phones while driving with loud road noise within the cab or around loud on-site environments can make it difficult to hear the conversation.

Solution: TLK 150 is prepared to operate in loud environments with crisp and clear communication. The combination of the wideband microphone combined with the 4W internal speaker makes it easy to communicate, reducing errors and confusion with team members. An external speaker can be added to the cab to communicate in even louder environments.

TLK 150 USE CASE

CASE 3: NATIONWIDE COVERAGE

Challenge: Traditional Push-to-Talk radio systems offer reliable communications, however are limited to small coverage footprints. Mobile field service teams may not always be within radio system coverage to dispatch or other team members if their footprint spans over counties or states.

Solution: TLK 150 and WAVE dispatch can easily be deployed quickly to cover the wide area they are regularly serving today. TLK 150 operates on nationwide LTE cellular network, allowing radio-like communication anywhere cell phones traditional operate.

CASE 2: INTEROP WITH RADIO NETWORKS

Challenge: An existing radio network is deployed over a particular footprint for the core users of team communications. Quickly scaling the number of users and footprint of the radio network can be cumbersome and require a large upfront capital expense.

Solution: TLK 150 can be deployed to newly added fleet vehicles, or vehicles only used on a seasonal basis. These users can communicate with the core users on the current radio network no matter if they are down the street, or across the country.

TLK 150 USE CASE

CASE 5: LOCATION TRACKING AND WORKER SAFETY

Challenge: Tradesmen and contractors cannot be depended on to let supervisors know when they arrive or depart the job site. Job sites can also include dangers which contractors need quick access to help when an emergency arises.

Solution: Using Critical Communications feature set includes the capability to create location based talk groups. The supervisor uses WAVE broadband PTT with location on device to draw a geofence around the construction project, tracking when tradesmen in different groups come inside the fence or leave. With the dedicated emergency button on TLK 150, a worker can quickly call for assistance when an issue occurs.

TLK 150 CUSTOMER FEEDBACK

EASY TO USE AND MANAGE

- "Device installation is very easy and straightforward."
- "User Interface is intuitive and easy to use."
- "Easy to use. Rapid communication at the push of a button."

BUILT FOR THE JOB

- "Audio is very clear and crisp."
- "Spoke away from the microphone while driving with the windows down. No background noise was noticed."
- "Location updates to dispatch are quick."

NATIONWIDE PUSH-TO-TALK

- "Drove to a poor signal area and no drops were seen."
- "That's the biggest thing. We have a nationwide network that is very robust."
- "Everywhere I have gone, I have had coverage."

CUSTOMER FAQs

"Will this device work on other cellular networks?"

No. TLK 150 will only work on our WAVE wireless service.

"Does the radio have a SIM? Is it removable?"

Yes, the radio has a 4G SIM. No, the SIM is permanently attached to the device preventing stolen or removal that could impact business productivity.

"Can the radio be used as just a WiFi only device?"

The radio can function without LTE coverage by connecting to WiFi, however the service requires a cellular subscription plan.

"Can I set my own talkgroups and contact lists?"

Yes. The WAVE portal allows both partners and customer to program and configured devices remotely.

"Is the device able to work as a conventional radio?"

While the device does support private call capability for 1 to 1 communication, it does not contain traditional conventional LMR capabilities. It utilizes a cellular SIM.

"What MOTOTRBO systems are supported?"

Capacity Max, Capacity Plus, LCP and Connect Plus are supported today.

NATIONWIDE
PUSH-TO-TALK

Get the best of both worlds with 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
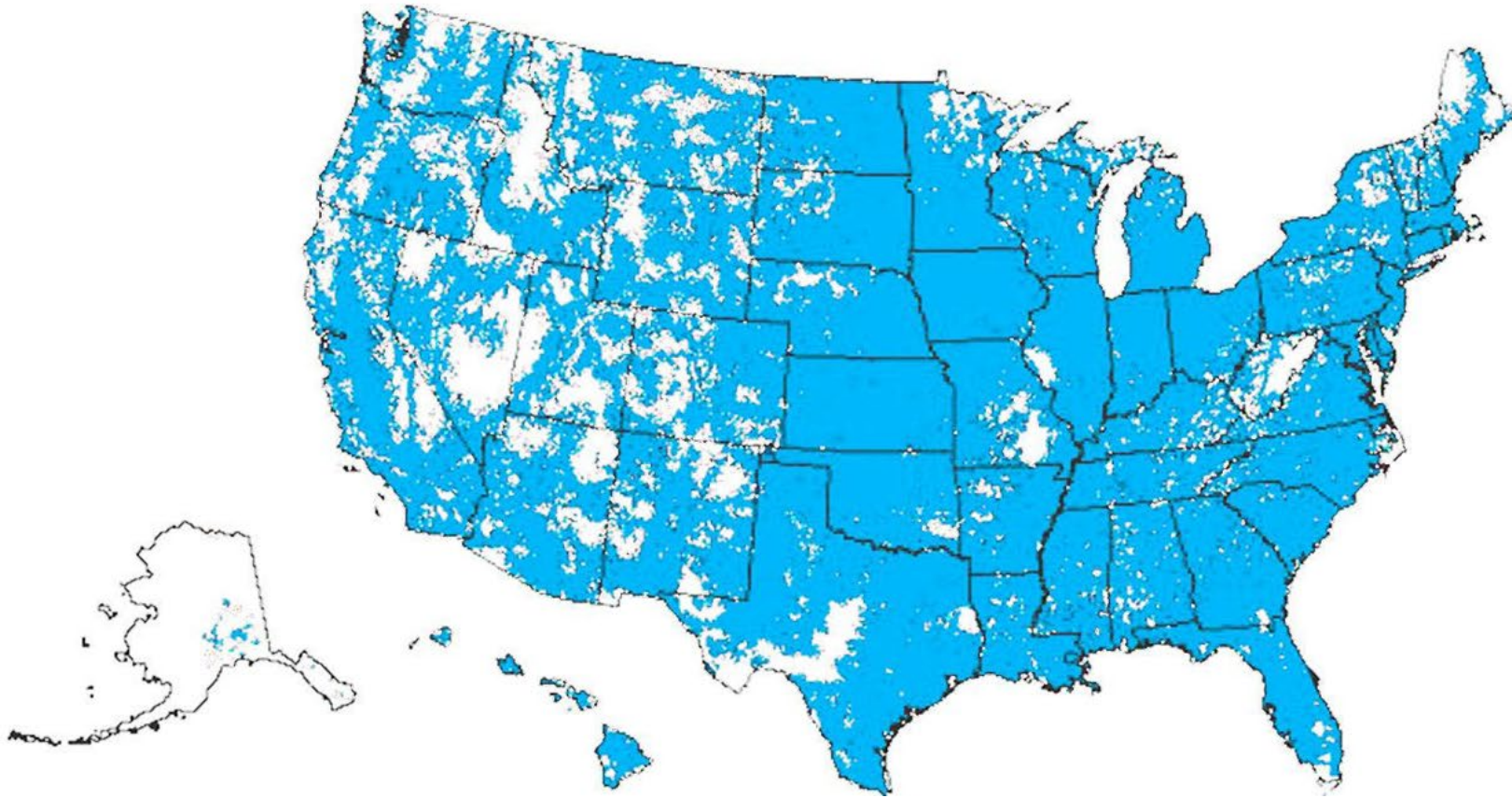
Network Speed

Fast track productivity with a nationwide network that powers the quickest push-to-talk setup and call times

Coverage you can count on

Thanks to the most reliable nationwide network you don't have to worry about dropping calls
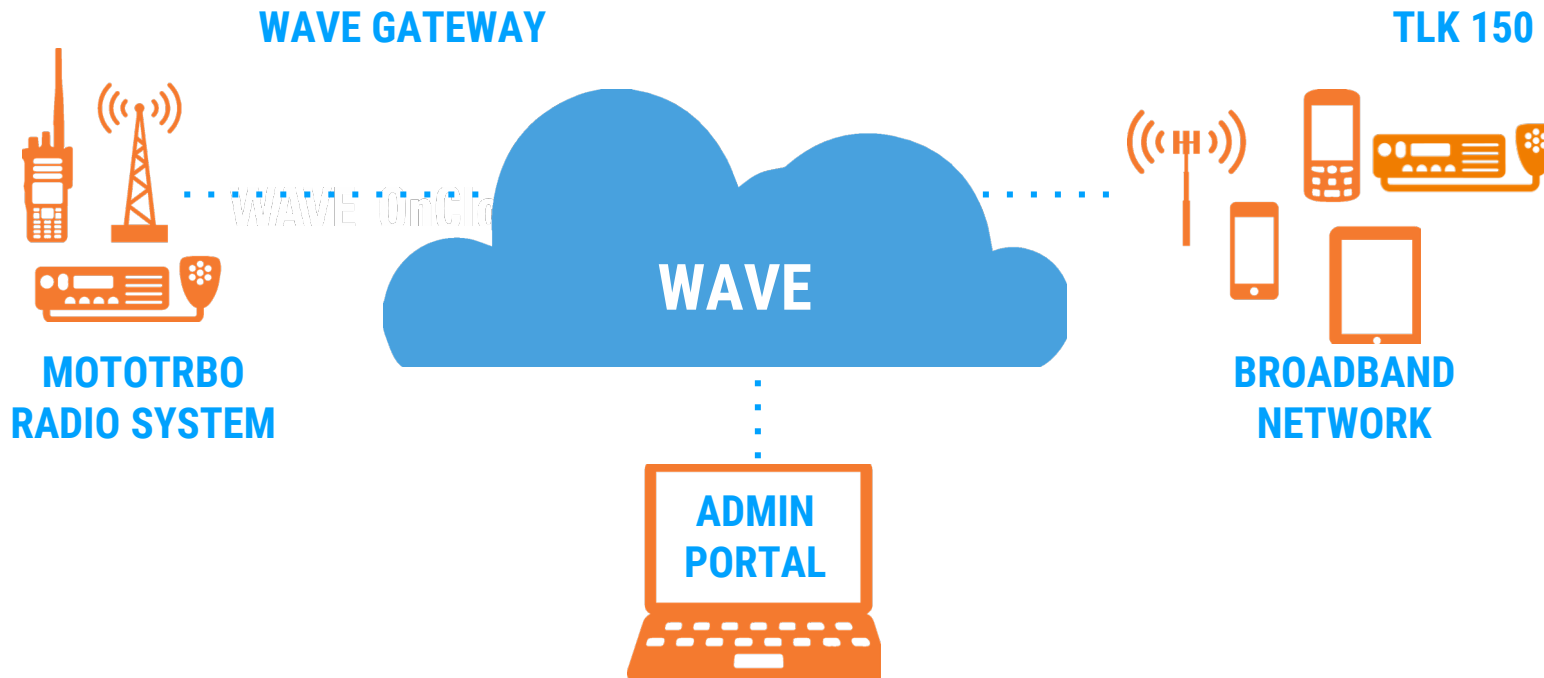
ABOUT THE
WAVE WIRELESS SERVICE

WAVE wireless service (4G)

Extend your network with Wi-Fi

- Utilize TLK 150 on existing Wi-Fi for coverage where needed

- Provision Wi-Fi settings remotely on all devices

- Communicate with field vehicles through a TLK 150 base station use over Wi-Fi

EXTENDING TRADITIONAL TWO-WAY NATIONWIDE

WAVE GATEWAY

TLK 150

WAVE TUNNEL

WAVE

MOTOTRBO RADIO SYSTEM

BROADBAND NETWORK

ADMIN PORTAL

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THANK YOU

MOTOROLA SOLUTIONS