



# MOTOTRBO R7

## SERIES

# MOTOTRBO R7

MOTOTRBO R7 PORTABLE  
RADIO SERIES - R7 & R7a

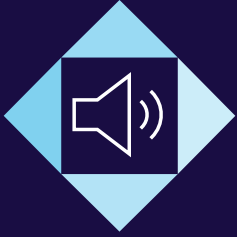
# BE HEARD

MOTOTRBO™ R7 SERIES ARE DIGITAL  
PORTABLE RADIOS OFFERING  
GAME-CHANGING AUDIO CAPABILITIES IN  
A RUGGED, FUTURE-READY DEVICE.

Its advanced audio processing ensures that  
your communications are loud and clear, while  
its rugged construction is ready for harsh  
environments, and advanced connectivity options  
get your workforce ready for tomorrow.

*R7 is available with full keypad and no keypad versions.  
R7a is available only as no keypad version.  
Please refer to Datasheet for more details.*





# LOUD AND CLEAR

## SHARP, CLEAR AUDIO

MOTOTRBO R7 series let your team hear and be heard the first time — when it matters most. Adaptive Dual Microphone Noise Suppression brings game-changing noise cancelling to your team, so you can hear them over the deafening noise of heavy machinery, a roaring stadium at full capacity, or wherever they are. Automatic Acoustic Feedback Suppression intelligently cancels out the feedback of other close-by radios, for a seamless voice experience in tightly packed areas. Intelligent Audio monitors background noise and adjusts speaker volume so users don't have to, ensuring calls are always at the perfect volume.

## BE HEARD ABOVE ALL ELSE

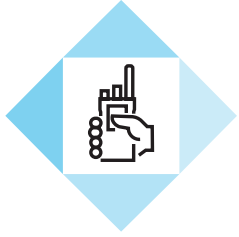
MOTOTRBO R7 series deliver unprecedented loudness, so your team can hear in any situation. Its powerful speaker delivers a booming loudness of 102 phons, over ten times louder than a shouting conversation. R7 also features a programmable extra loud profile, bringing total loudness to 107 phons on the radio and with the remote speaker microphone — roughly ten times louder than a motorcycle at close range.

## CUSTOMIZABLE AUDIO EXPERIENCE

MOTOTRBO R7 series can be adapted with accessories that are specially designed to make your fleet easier to use and even more capable, especially in loud environments. Its re-engineered accessory port adds more robustness and longevity to the point where your accessories connect to the radio, while making it more resistant to dust and corrosion. Remote speaker microphones and other audio accessories let you quickly reach and use your radio. R7's extra loud profile can be supported on a number of purpose-built accessories. And our IMPRES™ technology ensures that R7 works seamlessly with your Motorola Solutions accessories, so every call is heard perfectly.



**MOTOTRBO R7 SERIES ENABLE YOUR TEAM TO HEAR AND BE HEARD MORE CLEARLY THAN EVER BEFORE, THE FIRST TIME**



# FIT FOR BUSINESS

## BUILT TO OUTPERFORM

MOTOTRBO R7 series are tested to meet military standards, and built to outperform whatever is thrown its way. R7 is intrinsically safe, so you can use it in hazardous environments without the risk of ignition or fire. IP68 and IP66 ratings mean that it's completely dust-tight and protected from water immersion of up to 2 meters for 2 hours, as well as direct impact from highly pressurized water streams. Even the screen is ruggedized for impact resilience and can withstand multiple drops onto concrete. And R7's housing material was specially designed for the medical industry to resist disinfectants and decontamination substances.<sup>1</sup>

**POWERED BY A NEW LITHIUM CELL, MOTOTRBO R7'S BATTERIES ENABLE A COMPACT FORM FACTOR WHILE PROVIDING MORE TALK TIME**



## MINIMIZE DOWNTIME

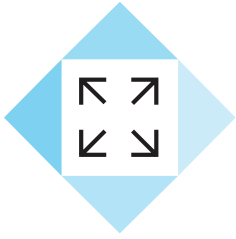
Your radios serve you best when they're easy to use, operate, and ready when you need them. Powered by a new lithium cell, MOTOTRBO R7's batteries enable a compact form factor while providing exceptional battery life and talk time, and self-calibration eliminates hours of downtime spent calibrating and reconditioning batteries. Built-in safeguards ensure your device is safe from unauthorized access and interception. With over-the-air programming and updating via Wi-Fi, you can keep your radios up to date without taking them out of the field. And our included services<sup>2</sup> help you resolve issues with minimal downtime so you can keep your devices in the field longer, with five years of included coverage.

## CONNECTED WHEN IT COUNTS

As the premier radio for MOTOTRBO systems, R7 series are ready to empower your team with custom voice coverage to keep your team connected when it counts, anywhere you do business. MOTOTRBO systems combine superior signal strength with the flexibility to customize site coverage, a predictable cost structure built around your needs, the control to decide which features and which devices go on your network, capacity for as many devices as your team needs, and the capabilities to ensure that your team is only a button's push away.

<sup>1</sup>Please refer to the MOTOTRBO R7 user manual for a list of approved disinfectants and decontamination substances.

<sup>2</sup>Services Offers are available and designed to minimize downtime and productivity impact.



# READY FOR TOMORROW

## BIG FEATURES, COMPACT DESIGN

More features than ever before, in a sleek and ergonomic form factor.

Large emergency button with optimized ergonomic design

2.4 GHz and 5 GHz Wi-Fi and Bluetooth 5.2 for simple connectivity (applicable to R7, not available in R7a)

2.4 in. 320 x 240 px. QVGA display for easy navigation

All these features fit into a streamlined design, easy for your teams to carry for an entire shift — and beyond.



Front and back microphones for advanced noise cancelling

Slim, long-lasting battery for more talk time

Powerful forward-facing speaker, positioned behind the keypad, delivers loud and clear audio

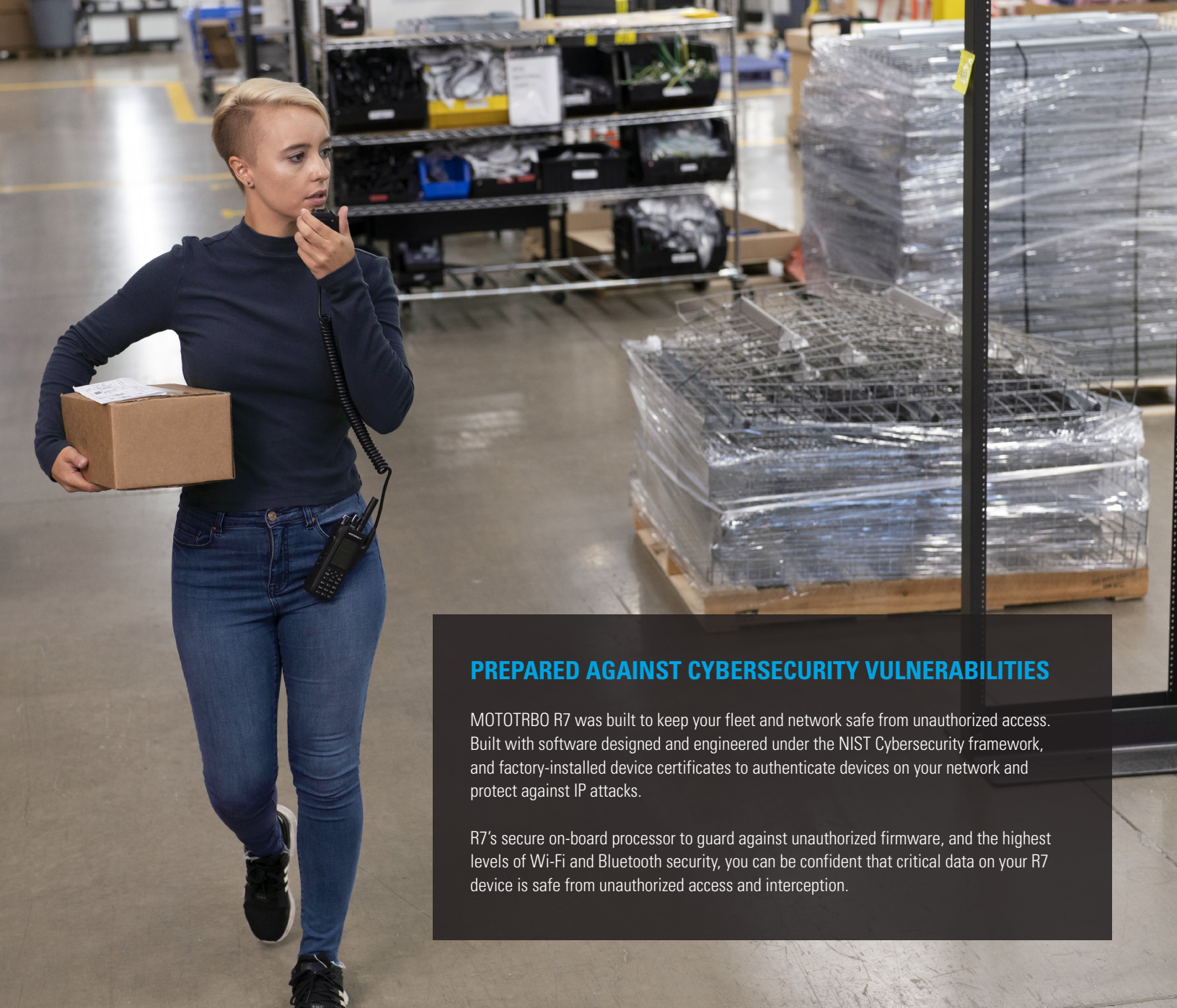
## CONNECT AND COLLABORATE

Connected to collaborate — not inundate. Keep your team connected and streamline critical communications, while collaborating with video security systems, sensors and more. Reimagine safety, security, and connectivity into a single business-critical communications workflow. Prioritize only the alerts that keep your workforce and customers safe, without the notification overload, and keep your team at peak productivity and efficiency. And as your operation becomes more connected, so can your MOTOTRBO radios.

## CRITICAL INFO AT FIRST GLANCE

Fewer clicks, less scrolling and navigating — more critical information at a glance. The MOTOTRBO R7 series future-proof the radio device with a 2.4 in. 320 x 240 px. QVGA display for an intuitive user experience, and efficient navigation so your team can stay informed and productive. Users can get to what they need faster, with an uncomplicated user experience that minimizes any learning curve. With detailed notifications on the home screen, there's no need to scroll through multiple screens to access alerts or text messages. And a single button's press allows users to get to commonly used actions with ease.





## PREPARED AGAINST CYBERSECURITY VULNERABILITIES

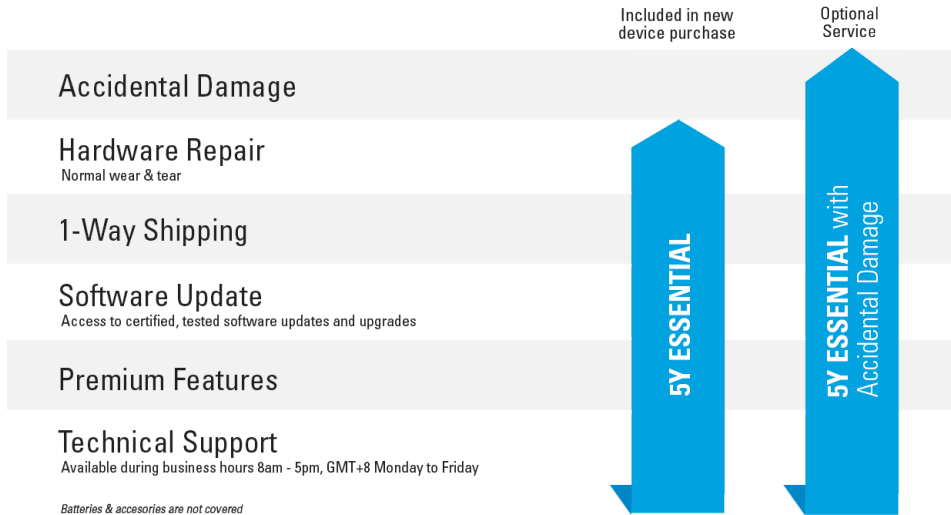
MOTOTRBO R7 was built to keep your fleet and network safe from unauthorized access. Built with software designed and engineered under the NIST Cybersecurity framework, and factory-installed device certificates to authenticate devices on your network and protect against IP attacks.

R7's secure on-board processor to guard against unauthorized firmware, and the highest levels of Wi-Fi and Bluetooth security, you can be confident that critical data on your R7 device is safe from unauthorized access and interception.

## SERVICES PACKAGES FOR OPERATIONAL CONTINUITY

Essential Services provide five years of assurance through hardware repair coverage, technical support, software updates and premium features.

Five-year accidental damage coverage is available as an add-on service.



**WITH THE  
MOTOTRBO R7  
YOUR TEAM CAN  
STAY HANDS FREE  
AND FOCUSED ON  
THE TASK AHEAD**

# MOTOTRBO R7 ACCESSORIES

## AUDIO

### LOUD AND CLEAR, DESIGNED FOR COMFORT AND WEARABILITY

A range of wired and wireless audio accessories enable a tailored experience. Bluetooth 5.2 provides fast and secure wireless connectivity, while the sleek and compact GCAI-mini wired accessory port is designed for improved wearability. Now with MOTOTRBO R7, our extra loud profile is available on select audio accessories. (Bluetooth is not supported in R7a model.)



## ENERGY

### MAXIMIZE POWER FOR THE LONGEST SHIFTS

If the battery dies, it jeopardizes everything. Our slim, lightweight batteries provide a battery life that lasts a full shift – ensuring the MOTOTRBO R7 works when you need it. A variety of flexible charging solutions enables you to charge one or up to six batteries simultaneously, so your radios are always ready for the next shift.



## CARRY

### SECURE, EASY ACCESS

Choose from plastic carry cases and belt clips, all designed for ease yet provide a secure access to the MOTOTRBO R7 radio when wearing it on the waist or hip — so your team can stay hands free and focused on the task ahead.



## ANTENNAS

### DESIGNED FOR WEARABILITY

Motorola Solutions' redesigned antennas are designed for comfort without compromising performance. Shorter and more flexible, these antennas conform to the users' business-critical environments.



To view MOTOTRBO R7 series' full suite of accessories, please visit:  
[motorolasolutions.com/R7/accessories](https://motorolasolutions.com/R7/accessories)

## MOTOTRBO R7 WITHIN THE MOTOROLA SOLUTIONS ECOSYSTEM

Motorola Solutions has developed the first and only technology ecosystem that unifies voice, video, data and analytics in a single platform, enabling individuals, businesses and communities to work together in more powerful ways. We call it **Safety Reimagined**.

MOTOTRBO R7 is built into this ecosystem so you can get more out of your communications investment. Keep your teams aware and streamline critical communications by receiving automatic notifications from your video security and access control systems, sensors and more — directly on your device. Control and consolidate instant voice communications from your desktop using innovative computer-aided dispatch solutions. And extend communications beyond your radio network with interoperability with flexible broadband push-to-talk solutions.



For more information, please visit [motorolasolutions.com/R7](https://motorolasolutions.com/R7)



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