



# THE ZEBRA RCH51

## RUGGED CABLED HEADSET

### LIGHTWEIGHT AND AFFORDABLE YET RUGGED HEADSET ENABLES HANDS-FREE VOICE-DIRECTED MOBILITY SOLUTIONS

The RCH51 provides the feature set required to replace paper with voice in demanding enterprise environments — in the warehouse, in the freezer, on the loading dock, or in the factory. Whether your workers are involved in receiving, picking and replenishment or putaway, shipping and other inventory-related tasks, the RCH51 enables voice-directed applications and real-time voice communications, reducing cycle times and errors while increasing productivity and throughput in a vital business hub. The stylish RCH51 is designed to bridge the gap between light duty call center-style and costly military grade headsets, offering an extremely rugged design and providing enhanced acoustic quality in an affordable headset that delivers all-day comfort. The smart material selection provides maximum strength — with minimum weight. The universal design is compatible with Zebra's most popular rugged handheld mobile computers, providing the flexibility to deploy the right mobile device for the job. One size truly does fit all — a headband capable of adjusting almost two inches ensures a good fit for nearly every worker. With a high performance noise canceling microphone, the headset improves productivity even in the noisiest environments by allowing your workers' responses to be recognized the first time. Add a modern design that your workers will want to wear and you have the ideal industrial headset, making successful voice-recognition applications and two-way voice communications a reality in the harshest and noisiest environments.

### BUILT TO SURVIVE THE MOST DEMANDING ENVIRONMENTS

Whether your workers spend the day traveling back and forth between a warehouse freezer and the heat of a loading dock on a hot summer day, or are out on the tarmac loading and unloading trucks in snow, sleet and rain, the RCH51 has what it takes to ensure reliable operation. The RCH51 passes Zebra's stringent mechanical design tests for both stress and endurance. The headset is built to survive the stress of multiple 6 ft./1.8m drops across the entire operating temperature range. An exceptionally rugged strain relief design provides superior cable bend tolerance, ensuring dependable operation even in extreme heat and cold. In the endurance test, the headset continued to perform even after 1000 consecutive 1.64 ft./0.5 m hits in Zebra's tumble drum. IP67 environmental sealing allows the headset to thrive in dusty and wet environments.

### CRYSTAL CLEAR VOICE QUALITY FOR MAXIMUM EMPLOYEE PRODUCTIVITY

The success of voice-directed applications is dependent upon the acoustic performance of the headset. Ambient noise can prevent workers from hearing an instruction — or can force workers to repeat responses. The RCH51 is loaded with features that ensure superior acoustic performance by not only protecting the technology inside the headset, but also addressing the environmental challenges in noisy environments. Sealed audio components protect the speaker and microphone from moisture that would otherwise create distortion and degrade the audio quality. Even if other workers are nearby, the microphone provides superior noise canceling technology, filtering out background sounds and eliminating the potential for your application to receive multiple voice-inputs.

### DESIGNED FOR COMFORT, SAFETY AND HYGIENE

### FEATURES

**Meets heavy industrial specifications for drop , tumble and sealing — including an industry leading tumble test plus IP67 sealing**

Premier rugged specifications enable dependable yearround use in nearly any environment, including the ability to withstand exposure to heat, cold, humidity, dust, condensation, drops and bumps

**Noise canceling waterproof microphone**

Provides superior noise canceling technology — capable of filtering out ambient noise that is only inches away; designed to recognize sounds arriving at the front of the microphone only, isolating and filtering out sounds arriving from the sides and rear

**Industrial-grade connector on many Zebra mobile computers couple to quick disconnect feature on headset for worker convenience and safety**

Eliminates the voice quality issues common with barreljack connectors, yet ensures worker safety

**User replaceable microphone windscreen and ear pad**

Protects employee health by preventing the spread of germs in the workplace

The lightweight ergonomic design of the RCH51 eliminates pressure points, providing full shift comfort. In addition, the ability to change the microphone windscreen and speaker ear pad as well as the possibility to wipe down the headset at every shift change protects the health of your workforce. Finally, a quick disconnect feature allows workers to rapidly separate the mobile computer and the headset, improving worker safety.

### OVERNIGHT REPLACEMENT FOR TRUE SERVICE PEACE OF MIND

Maximize the uptime and the value of your RCH51 headsets with Zebra's Service from the Start Advance Exchange Support. When you choose this unique program, you'll enjoy the next-business-day replacement of headsets that require repair, delivering service peace of mind from the date of purchase. The RCH51 is part of Zebra's comprehensive mobility solutions portfolio that provides everything you need to successfully deploy mobility in your organization — from a wide range of mobile computers that can be paired with the RCH51 to wireless infrastructure, mobility management solutions and a full range of services to assist you with every facet of your mobility solution, including design, implementation and everyday support.

For more information on how you can leverage the power of the RCH51 in your Zebra mobility solutions, please visit us on the web at [www.zebra.com/rch51](http://www.zebra.com/rch51) or access our global contact directory at [www.zebra.com/contact](http://www.zebra.com/contact)

### Field replaceable head - band pad and temple pad

Extends product lifecycle — no need to discard the headset due to everyday wear; ensures the same degree of comfort from the first day of purchase to the last day of service

### Adjustable one-size-fits- all headband

An almost two-inch adjustment range accommodates any size worker; the ability to standardize on a single headset simplifies mobility — there is only one type of headset and accessories to purchase and manage

### Universal design

Flexibility to choose different types of Zebra mobile computers for different types of workers — from full size rugged industrial designs to pocketable Enterprise Digital Assistants (EDAs)

## RCH51 SPECIFICATIONS

### PHYSICAL CHARACTERISTICS

**Weight:** 3.9 oz/111 g with headset cable ( but without adapter cable)

**Power Rating:** 1 Vrms and 1 KHz at 25° C

### USER ENVIRONMENT

**Zebra Mobile Computer Compatibility:** Wearables: WT41N0, WT41N0 VOW  
Rugged EDAs: MC55, TC70  
Rugged Handheld Mobile Computers: MC2100, MC3190,MC3200; MC9190,MC9200 MC9500-K

**Drop Specification:** Multiple 6 ft./1.8 m drops to concrete across the operating temperature range

**Tumble Specification:** 500 1.64 ft./0.5 m tumbles (1,000 hits) at room temperature

**Operating Temperature:** -22° F to 122° F/-30° C to 50° C

**Storage Temperature:** -40° F to 122° F/-40° C to 50° C

**Sealing:** IP67 sealing

**Humidity:** 95% condensing

### WARRANTY

The RCH51 is warranted against defects in workmanship and materials for a period of 12 months from date of

### ACOUSTIC FEATURES

**Audio:** High performance noise cancelling microphone with noise immunity of >10dB for high noise environments

**Voice Recognition:** Can work with all Motorola devices (with headset jacks) running voice recognition engines and text-to-speech engines for voice-directed applications; also works well with VoIP applications

### PERIPHERALS AND ACCESSORIES

**Adapter Cables:** Adapter to standard 2.5mm jack  
Adapter to WT41N0 connector  
Adapter to MC3190/3200 connector  
Adapter to TC70 connector  
Adaptor to MC9500 connector  
Y Training cable to attach two headsets to one mobile computer

**Ear Pads:** Silicon-teflon treated foam ear pad for speaker (Bag of 5)

**Windsock:** Silicon-teflon treated foam pad for microphone (Bag of 5)

**Headband Pad:** Headband Pad replacements (Bag of 5)

**Temple Pad:** Temple Pad replacements (Bag of 5)

shipment, provided that the product remains unmodified and is operated under normal and proper conditions

## RECOMMENDED SERVICES

---

Customer Services: Service from the Start Advance  
Exchange Support

---

## CLEANING SPECIFICATION

---

The RCH51 offers two approved cleaning methods:

- 1) Wash with warm soapy water, rinse and dry with a soft cloth
- 2) Clean with diluted isopropyl alcohol wipes and dry with a soft cloth



**ZEBRA**

Part number: SS-RCH51. Printed in USA 04/15. ©2015 ZIH Corp. ZEBRA, the Zebra head graphic and Zebra Technologies logo are trademarks of ZIH Corp, registered in many jurisdictions worldwide. All rights reserved. All other trademarks are the property of their respective owners.

---

**ZEBRA TECHNOLOGIES**