WS101/WS101-H

Tiny, rugged and lightweight wearable Bluetooth® Communication Badge adds powerful hands free voice to Zebra mobile computers and tablets

Give your workers hands-free communications on Bluetooth-enabled Zebra Android™ mobile computers and tablets or Android and iOS® consumer smartphones and tablets with the WS101 and WS101-H. Workers can simply use speech to ask any voice-supported application for what they need, from placing a call to a specific person or a department without accessing a contact list to asking which store has a specific out-of-stock item—and receiving a spoken response from the retail inventory application. The integrated high-quality speaker and microphone, embedded wake word and optional Workcloud Sync work together, enabling the voice integration required to create hands-free voice and data workflows. Advanced technologies deliver consistently crystal clear voice. The result? Seconds are shaved off of workflows hundreds of times a day, boosting productivity, communications efficiency and collaboration.



Comprehensive enterprise-class voice support

Crystal clear voice with advanced audio features
Advanced noise cancellation, fine-tuned acoustics and a high quality speaker and microphone take voice clarity and quality to the next level on all voice interactions—even in noisy environments.

True hands-free voice
Workers can activate the WS101/WS101-H, turn the volume up and down, turn on mute, answer calls and more using spoken words—without touching the device.

Voice-enable your applications
The WS101/WS101-H badges can provide the user interface for voice-enabled applications running on the host mobile device. Now, workers can keep their hands free and use speech to launch, access and control voice-enabled applications. And applications with voice support can allow workers to simply ask for what they need in plain language—from a stock check in a retail store to a request for additional blankets for a specific patient room in a hospital.

Enable feature-rich push-to-talk
Compatibility with Zebra's Workcloud Sync enables push-to-talk calls over Wi-Fi™ and cellular networks. Workers can place 1-to-1 or group broadcast calls.

Call for help with the press of a button
One press of the duress button can connect to a host application to summon help for nurses in hallways and patient rooms in a hospital and associates in aisles and checkout lanes in a retail store. The button is perfectly placed, easy to access, but out of the way to eliminate accidental activation.

Silence calls with a press of the Do Not Disturb (DND) button
When voice calls aren't convenient or appropriate, this toggle switch can be programmed to suppress and reactivate voice calling.

The WS101/WS101-H—the easy way to give retail and healthcare workers the power of hands-free voice on their Zebra Android mobile devices.
For more information, please visit www.zebra.com/ws101-ws101-h

Two models meet the unique needs in healthcare and retail

The traditional black retail model (WS101) features a 3.5mm audio jack to support a wired headset, plus a USB-C port to support charging via a standard cable. The blue healthcare model (WS101-H) eliminates the audio jack and USB-C ports to enable the more thorough disinfecting required in healthcare.

Built for comfort

Featherweight for extreme comfort

This miniature wearable device was designed with exceptional ergonomics. Weighing in at less than two ounces, less than two inches square and just over a half inch thin, workers won't even notice they are wearing the WS101/WS101-H.

Flexible wearing styles

A clip mount allows workers to wear the tiny WS101/WS101-H on a lapel, collar, placket or pocket—or wear it around the neck on a lanyard.

Built to last

Rugged and ready for all day use

Drop it. Use it in dusty areas. Hose it off. The WS101 and WS101-H are built to handle it all, lasting years to provide a fast return on investment (ROI) and a low total cost of ownership (TCO).

Disinfectant-ready antimicrobial housing

Shared devices are vulnerable to shared germs. That's why healthcare and retail models can be cleaned with the widest selection of disinfectants in the industry, making it easy for workers to disinfect the device at the start of their shift.

Easy to manage

Device management made easy with EMM support[1]

The same Enterprise Mobility Management (EMM) system you utilize to manage Zebra mobile devices can be used to manage your WS101/WS101-H Bluetooth badges, providing the simplicity of a single device management solution to manage all of your Zebra mobile devices and peripherals.

Pair with any NFC-enabled mobile device in seconds

With just a quick tap, workers can pair a WS101/WS101-H to any NFC-enabled Zebra mobile computer or tablet—no screens to navigate or connection profiles to access.

Always in service with a removable battery—and advanced enterprise battery features

Since the battery is removable, the WS101/WS101-H are never out of service for charging. If a battery runs low, users can simply swap in a fully charged battery. The battery provides full shift power—up to 10 hours of continuous speech on a single charge. With fast charging, fully charged batteries are always on hand.

Simple, adaptable, future-proof charging with next-generation ShareCradles

Flexible ShareCradles allow you to create charging cradles that best fit your needs. Just mix and match the 6-slot battery cup and the 4-slot device cup into a universal base that accommodates either one or five cups. For example, you can create: a single cradle to charge four WS101 devices, a high-density cradle to charge 20 WS101 devices, or a multi-device cradle that can charge 12 WS101 devices and 12 WS101 batteries by choosing three 4-slot device cups and two 6-slot battery cups. The high-density cups increase the capacity of your current backroom, allowing you to charge more devices in the same amount of space. Guard rails ensure batteries and devices are properly docked and charging. Adaptive charging automatically adjusts power levels to extend battery lifecycle, reducing battery costs and electronic waste. And the unique mix-and-match capability allows you to charge the WS101 as well as other Zebra mobile computers, making it easy to support the Zebra devices of today and tomorrow. Just snap in the cradle cups that support your Zebra devices—no tools, rewiring, or special skills required.

Bluetooth 5.4 for the most advanced Bluetooth connections

Bluetooth 5.4 offers the most efficient, stable and secure wireless connections for the most robust communications.

Compatible with Zebra's complete mobile device portfolio

This wearable Bluetooth badge is compatible with all Zebra Android mobile computers and ET Series tablets.

Cover everything with a Zebra OneCare maintenance plan

Enterprise devices need an enterprise maintenance plan. And since we designed and built the WS101/WS101-H, nobody is more qualified than Zebra to help you keep your devices running at peak performance. Zebra OneCare Essential provides the coverage you need to maximize device uptime and device value. Coverage includes accidental damage and normal wear and tear, live technical support from 8am to 5pm in your timezone, and a 3-day turnaround time on repairs and more.

Specifications

Physical Characteristics

Dimensions	1.89 x 1.89 x 0.59 in. (48 x 48 x 15 mm)
Weight	With battery (no clip): 1.34 oz. (38 g) With battery and clip mount: 1.59 oz. (45 g)
Wearing Styles	Clothing clip mount for lapel, collar or placket; Lanyard with badge clip
Field Replacement Parts	Battery; clothing clip
Power	Li-Ion 480 mAh, 3.85 V with up to 12 hours of continuous speech on a single charge using a battery with 100 charge/discharge cycles

Performance Characteristics

Speech-Directed Applications	Integrated speech processing and wake word
Audio	High performance microphone with noise suppression
Send Frequency Response	27 Hz to 20 kHz
Microphone Sensitivity	-26dBFS +/- 1dB
Receive Frequency Response	300 Hz to 8 kHz
Speaker Sensitivity	90 dB SPL @10 cm @1 kHz
Bluetooth	Bluetooth Class 2, v 5.4; Bluetooth Hands-free Profile (HFP 1.9), A2DP 1.4
NFC	NFC tag used for Tap-to-Pair

User Environment

User Interfaces	Black SKU only: One 3.5 mm audio jack socket, One USB C receptacle LED: Tri-color front LED status ring , single multi-color top status LED Buttons: Volume Up, Volume Down, PTT, Call/Pair, Do Not Disturb (DND), Duress (All buttons are configurable except Call/Pair)
Operating Temp.	+14°F to +122°F (-10°C to +50°C)
Storage Temp.	-40°F to +158°F (-40°C to +70°C)
Sealing Rate	IEC 60529: IP65
Humidity	5% - 95% non-condensing
Drop Rating	Multiple 4 ft. (1.2 m) drops to concrete across the entire operating temperature range
Tumble Rating	1,000 1.64 ft. (0.5 m) tumbles at room temperature
Vibration	2g peak, 5 Hz to 2 kHz, 1 hour duration per axis; Random: 0.02g^2/hz, 20hz to 2khz; 1 hour duration per axis
Electrostatic Discharge (ESD)	+/-15kV air discharge, +/-8kV contact discharge

Recommended Services

Zebra OneCare Essential; 3 or 5 year contract term; Keep your operations running smoothly with Zebra OneCare Essential — your hassle-free, all-in-one service solution for unmatched device performance and peace of mind.

Warranty

Subject to the terms of Zebra's hardware warranty statement, the WS101 and WS101-H are warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statement, please visit: www.zebra.com/warranty

Footnotes

1. EMM support available in Q4 2025

Markets and Applications

Healthcare

• Critical care clinical nurses
• Non-critical care clinical nurses
• Housekeeping
• Patient transport
• Lab/pharmacist technicians
• Phlebotomists
• Dieticians
• Maintenance staff

Retail

• Frontline associates
• Cashiers
• Buy-online-pickup-in-store (BOPIS) staff

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