

# 8680i

## Wearable Mini Mobile Computer FAQs

### BASIC OPERATION

#### Q. How long do the batteries last?

- A. With all functions under normal use conditions, the extended battery is rated for 10 hours and 8,000 scans; the slim battery is rated for 8 hours and 3,000 scans.

#### Q. Can I change from triggered ring to glove and vice versa?

- A. Yes, this simply requires changing the mounts on the bottom of the unit.

#### Q. Can I change from slim to extended batteries?

- A. Yes, simply remove and replace the battery. The device and battery chargers are compatible with both batteries with no changes required.

#### Q. Is the device suitable for outdoor use?

- A. With an IP54 sealing, -20°C to 50°C (-4°F to 122°F) operating temperature, and a sunlight-readable display, the 8680i wearable mini mobile computer is suitable for outdoor use.

#### Q. How can I restart the device without removing the battery?

- A. Hold the button to the left of the display for 6 seconds, and the device will restart.

#### Q. Which charging options are available?

- A. We offer 4-bay and 12-bay chargers for devices or batteries.

#### Q. Can I charge the device with the glove attached?

- A. The glove should be removed from the 8680i wearable mini mobile by detaching the snaps before charging, as leaving the glove attached can interfere with a secure fit in the charger.



#### Q. What is the difference between the Standard and Advanced versions?

- A. The Standard version offers lightweight, ergonomic Bluetooth®-wearable scanning with clear communication of wireless connection, battery status, and scan results when paired with another device. The Advanced model enables streamlined workflows on a single device, replacing a scanner and mobile computer when paired with a network host application. The customizable user-facing display communicates workflow instructions, while the two-button interface enables users to navigate menus and confirm selections. The 8680i wearable mini mobile connects directly to the network application through Wi-Fi and the SDK.

#### Q. How can I configure my device?

- A. Basic device setting barcodes are published in the User Guide. More complex settings can be configured using the EZConfig tool. If using EZConfig, please reference the User Guide to configure the device for connection (must be changed from default HID to SPP mode to establish connection).

**Q. Is there an option for triggerless/proximity sensing scanning?**

- A. Yes, the 8680i wearable mini mobile can be configured to scan automatically when within scanning range of an object. Settings are detailed in the User Guide under "Object Detection Mode".

**ADVANCED VERSION FUNCTIONALITY AND PROGRAMMING**

**Q. How many characters fit on the Advanced display?**

- A. The two-line display will accommodate roughly 11 to 15 characters per line, dependent on font size selected. The larger one-line layout will accommodate roughly 4 to 8 characters, dependent on font size selected.

**Q. Why is the screen blank when I connect to the network or another device?**

- A. The Advanced version of the device reserves the screen for scan confirmation and workflow instructions, which can be sent from the network application.

**Q. How can I check device status?**

- A. Simultaneously pressing both buttons next to the display will bring up a screen with wireless connection and battery status.

**Q. How can I develop a host program to drive the Advanced version?**

- A. Information on programming can be found in the device User Guide, or in the SDK documentation.

**Q. What tools are available to customize my network or paired device applications for 8680i directed workflows?**

- A. SDKs (Software Development Kits) are available for 1:1 PC via Bluetooth, 1:1 Apple® iOS via Bluetooth BLE, and 1:many Windows® via Wi-Fi. An additional SDK for Android™ is targeted for release in Q4 2018.

**WEARABLE ACCESSORIES/ CONFIGURATIONS**

**Q. How do I change from right- to left-handed use?**

- A. The triggered ring is quickly reversible; gloves (available Q4 2018) will be available in right- or left-hand mount versions.

**Q. Is the glove compatible with touchscreens?**

- A. This is a cut-, puncture-, and abrasion-resistant industrial glove; it is not designed to be compatible with touchscreens. However, the thumb trigger point will interact with many touchscreens.

**Q. Can I change a device from triggered ring to glove, and vice versa?**

- A. Yes. Instructions on changing the mounting attachments are detailed in the User Guide. Glove mounts and triggered ring mounts are orderable accessories, available in packs of 10.

**Q. Where can I find safety ratings on the glove?**

- A. Certified protection ratings for cut, abrasion, and puncture are detailed on the product data sheet.

**Q. Can I mount the 8680i device on right- or left-hand gloves?**

- A. Gloves are configured as pairs defined as either right-hand or left-hand mounting. The paired glove does not have an 8680i mounting plate or trigger.

**Q. Are the gloves washable?**

- A. Yes, washing instructions are in the data sheet.

**BLUETOOTH AND WI-FI COMMUNICATIONS**

**Q. What is the default Bluetooth profile for the 8680i device?**

- A. The default profile is HID.

**Q. How do I pair the 8680i wearable mini mobile with my device?**

- A. Detailed instructions on pairing with a range of devices can be found in the User Guide.

**Q. Why does my 8680i device appear as a keyboard or a Bluetooth display when pairing with my PC?**

- A. The range of standard icons is limited. If pairing in HID mode, the icon will appear as a keyboard; if pairing in SPP mode, the icon will appear as a Bluetooth display.

**Q. Which communication options are available for Bluetooth?**

- A. The 8680i device can communicate via HID or SPP, and BLE or classic.

**Q. What is the Bluetooth wireless range?**

- A. The 8680i wearable mini mobile has a Class 1 Bluetooth radio, with a 100 meter (300 foot) range. BLE range is approximately 9.1 meters (30 feet).

**Q. Can I pair with a Honeywell scanner charge and communication base or Honeywell Bluetooth Access Point?**

- A. Yes. Reference the User Guide section entitled "Pair with a Honeywell Communication and Charge Base or Access Point" for the required configuration barcodes.

**Q. What information do we have on wireless security and connectivity?**

- A. The 8680i wearable mini mobile is configured to provide 802.11 a/b/g/n/ac Wi-Fi communications, and offers security aligned with current standards:
- **Security standards:** WPA, WPA2, WEP, WPA2 EAP (TLS, TTLS, PEAP GTC, and PEAP MSCHAPv2).
  - **Connection:** Connection, Auto-reconnect, Intra Profile connection (roaming), Hidden and Broadcast SSIDs.
  - **SSID and PSK values** can be scanned in via MENU commands. The host can also use the menu commands to set these values.
  - User can generate **Barcodes for SSID and PSK** for the device to scan, save, and connect to the Profile.
  - **KRACK** exploit has been mitigated.
  - **Soft Roaming:** Simple and learned, across bands (all combinations of 2.4 GHz and 5 GHz), DFS Channels, and 802.11 modes.
  - **Opportunistic Key Caching (OKC)**

**Q. How do I connect via Wi-Fi?**

- A. The default configuration has Bluetooth active and Wi-Fi off. Wi-Fi can be activated and configured using the EZConfig tool.

**Q. Is wired communication available with the 8680i charge base?**

- A. The 8680i wearable mini mobile is configured as a wireless-only device. There are no wired communications through the device charge base.

**OTHER**

**Q. Where can I learn more about this device?**

- A. Data Sheet, User Guides, and other tools are available on the 8680i product page located here: <https://www.honeywellaidc.com/products/wearable/8680i>.

**For more information**

[www.honeywellaidc.com](http://www.honeywellaidc.com)

**Honeywell Safety and Productivity Solutions**

9680 Old Bailes Road  
Fort Mill, SC 29707  
800-582-4263  
[www.honeywell.com](http://www.honeywell.com)

Android is a trademark or registered trademark of Google Inc.  
Apple is a trademark or registered trademark of Apple Inc.  
Bluetooth is a registered trademark of Bluetooth SIG, Inc.  
Windows is a trademark or registered trademark of Microsoft Corporation.  
All other trademarks are the property of their respective owners.

8680i Wearable Mini Mobile FAQs | Rev A | 09/18  
© 2018 Honeywell International Inc.

**Honeywell**