Honeywell

Honeywell BW™ Connect User's Guide

> ⚠️ **CAUTION:** READ AND UNDERSTAND INSTRUCTION MANUAL BEFORE OPERATING OR SERVICING.
> **ATTENTION:** LIRE ET COMPRENDRE MANUEL D'INSTRUCTIONS AVANT D'UTILISER OU SERVICE.

The Honeywell BW Connect adapter attaches to BW GasAlertMicroClip XL, GasAlertMicroClip X3,and GasAlertMax XT II gas monitors to enable wireless communication with ProRAE Guardian monitoring software through a smart phone via Bluetooth. Follow these instructions to install the BW Connect and to download and install the Honeywell Safety Communicator app for either Apple iOS or Android (Google) phones. You will also need to sign up with ProRAE Guardian (follow instructions at https://loneworker.proraeguardian.com) before using the Honeywell BW Connect. After downloading and installing, you must then pair the phones with instruments.
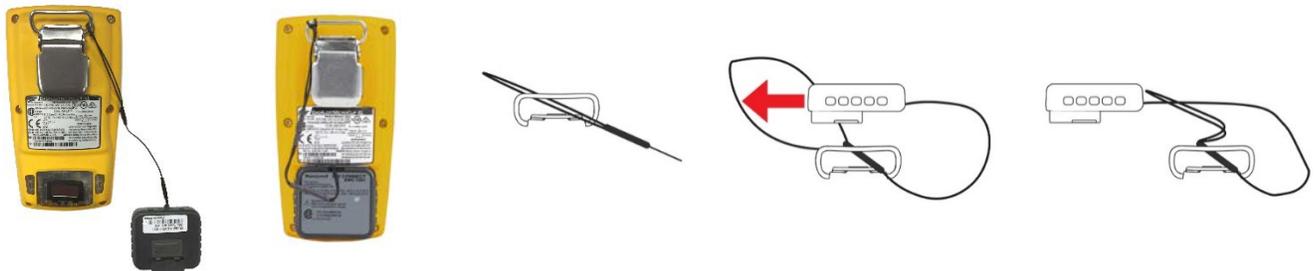
Note: When charging the monitor, the Honeywell BW Connect must be removed by sliding it off. There is no on/off switch. After the Honeywell BW Connect's operation has been initiated, it is always on until its battery is depleted (in approximately 1 year). When it is detached from the monitor, its LED blinks red for a short time. Once it is attached to the monitor again, it blinks green, indicating it is operational.

IMPORTANT! A magnetic connector attaches to the instrument and holds the Honeywell BW Connect in place. If the BW Connect is separated from the connector, it is easily reattached by laying it over the magnet connector.

1. Make sure the magnet connector is attached to the back of the Honeywell BW Connect. Make sure the parts are correctly aligned.

2. Attach the Honeywell BW Connect's lanyard to the D-ring on the instrument's clip. Place the loop end of the lanyard through the instrument's D-ring, and then put the Honeywell BW Connect through the loop. Then tighten the lanyard's cord.

3. Turn on the monitor.
4. Attach the Honeywell BW Connect to the monitor by aligning it with the "tracks" on the back of the instrument and sliding it into the charging port from the bottom until it clicks into place. The LED on the Honeywell BW Connect should blink green every 10 seconds.

5. Download the Safety Communicator app to your smart phone. Either visit Google Play or the iTunes App Store and search for "Safety Communicator," or use your phone's camera to scan the appropriate QR Code.

6. Download the app.
7. Click "Open" to launch the app.
8. Allow the app to access your location.
9. Enter the Host IP/URL provided by your software team, and click "Save."

10. Enter your Username and Password provided by the software team and click "Login."
11. Enable Bluetooth communication on your smart phone.
12. Go to your Device List and see which instruments are available for pairing. When you see an instrument you want to pair via Bluetooth, select it. **Note:** If you do not see any devices to pair, make sure they are turned on and in range, and then click "Scan."
13. When you see a notice that pairing is successful, choose "Pair another" to pair additional instruments, or click "Done" to begin monitoring.
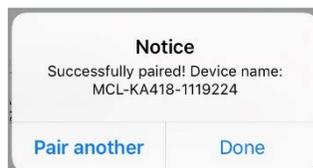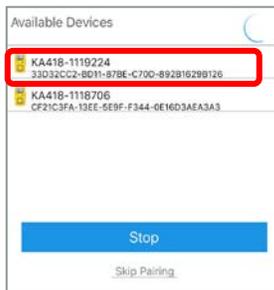
Viewing Status & Data From Instruments

**Normal Readings
(No Alarms)**

**Sensor In
Alarm**

**Selected
Instrument's
Serial Number**

**Reading, sensor
name, and unit
of measure**

**Multiple paired
instruments (tap
to select)**

**Tap to view
Firmware,
Settings,
User Information,
Device List, and
About Safety
Communicator**

**Tap to view
Device Details**

**Sensor in alarm is
highlighted and
alarm icon is shown**

**Only 1 instrument is
paired, so instrument
icons are not shown**

Note: Safety Communicator reflects the alarm levels and other parameters, but does not allow changing settings from within the app. Refer to your instrument's user's guide or to the ProRAE Guardian User's Guide if you need operational information.

Only local instrument alarms and readings on the display should be used for immediate safety-critical use. Wireless communication and infrastructure should be used for informational monitoring only.

Seules les alarmes et les mesures affichées sur l'écran de l'instrument peuvent être utilisées pour une utilisation de sécurité immédiate. La solution de communication sans fil et son infrastructure doivent uniquement être utilisé à destination de surveillance informationnelle.

Click the "information" icons on the Dashboard to access settings and information about an instrument.

When you are not monitoring instruments or when all instruments are turned off, logout from Safety Communicator. If you remain logged in, then when you are out of range of paired instruments or if they are all turned off, you will be alerted.

Refer to your instrument's user's guide or to the ProRAE Guardian User's Guide if you need operational information.

Wireless Security

To mitigate potential security risks, make sure the Honeywell Safety Communicator app is used in a trusted or isolated environment, and avoid installation on any mobile device that has been "jailbroken" or "rooted." Make sure your device uses Bluetooth 4.2 or higher, and always use the most current version of the device's operating system and Honeywell Safety Communicator.

Specifications

Manufacturer: RAE Systems, a Honeywell Company, 1349 Moffett Park Drive, Sunnyvale CA 94089 USA
Dimensions: 39mm x 35mm x 10.6mm (1.54" x 1.38" x 0.42")
Weight: 21.5g (0.76 oz)
Operational temperature range: -20º C to +55º C (-4º F to +131º F)
Certification temperature range: -40º C to +55º C (-40º F to +131º F)
Relative humidity range: 5% to 95% non-condensing
Optical radiation output power: Class I per IEC/EN 60825-1
Radio type: Bluetooth® low energy (BLE)
Maximum radio-frequency radiation power: 4mW, 2.4GHz
Wireless range: 10m/33' (line of sight)
IP Rating: IP66/IP68

Important Information

Cleaning/Decontamination: Care must be taken to avoid exposure to excessive heat, harsh chemicals or solvents, sharp edges, and abrasive surfaces. Clean the exterior with a soft, damp cloth.

Warnings

Use the adapter only as specified in this manual. Otherwise, performance may be impaired. Substitution of components may impair

Caution

This device complies with Part 15 of the FCC Rules / Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditionssuivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur del'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage estsusceptible d'en compromettre le fonctionnement.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peutfonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Safety Certifications
North America: Class I, Division 1, Groups A,B,C,D T4; Class I, Zone 0, AEx/Ex ia IIC T4 Ga

ATEX: Sira 18ATEX2088, CE 2460 (Ex) II 1 G Ex ia IIC T4 Ga
IECEx: IECEx SIR 18.0031, Ex ia IIC T4 Ga

Wireless Approvals
FCC ID: SU3BWC100
IC: 20969-BWC100
RE-D Directive 2014/53/EU

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RAE® SYSTEMS