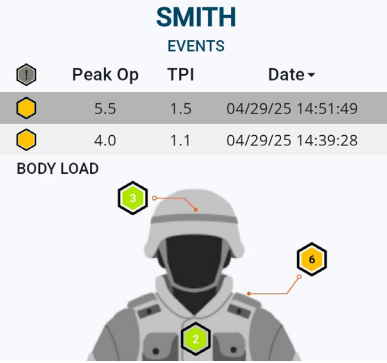
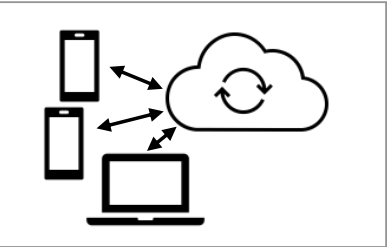


View Event Details



- Event Details & Body Load**
1. Tap Events to view a detailed list of exposures.
 2. Tap an event to see rounded readings from each gauge location on the diagram. Use this to visualize how the blast wave interacted with the body.

Cloud Data Backup



- Event Details & Body Load**
1. The BG App supports an internet connection to a server for data backup and advanced algorithms.
 2. Refer to the user manual for setup details, then link to the server address in Settings.
 3. Contact B3 for server setup and custom hosting services.

Software Alerts

The app will display any issues or connection problems with a user’s gauges on Personnel screen. Tap the Alert Icon to see detailed instructions.

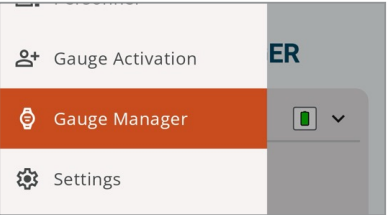
Gauge Memory Low

Firmware Available

Low Battery Gauge

Gauge Error Remove and Replace

Gauge Manager



Plug gauges in via USB to perform advanced features, including erasing all events, turning gauges ON/OFF, and turning Bluetooth ON/OFF

Manual Reading (LED Indicator)

Firmly press the recessed button with a 5.56mm round (or similar round-nosed object) if the app is unavailable. The color of LED shown is the highest peak OP detected and saved on the gauge.

SOLID GREEN
Gauge is ready - no exposures

GREEN
Overpressure exposure within the guideline for a single exposure

YELLOW
Caution: Exposure guideline exceeded

RED
Alert: Severe exposure

ALL COLORS
Low Battery or Error: Scan gauge for instructions

The Blast Gauge® System: Gen 7+

Quick Start Setup Guide

What’s in the kit

Blast Gauges
Head – 1 ea
Shoulder – 1 ea
Chest – 1 ea

Velcro Mounting Patch
2 x 2 in – 1 ea

XL Bungee
240 mm – 1 ea

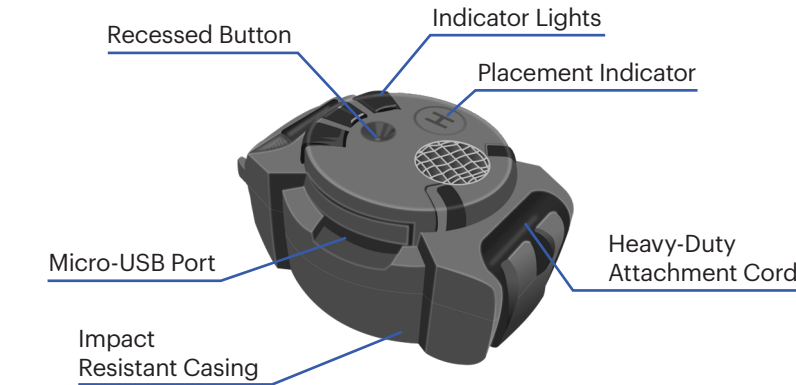
What will you need

Android Phone or Tablet

3-port USB Hub with 3x USB Micro cables
(for activation only)

Windows PC
(optional)

Gen 7+ Blast Gauge Features

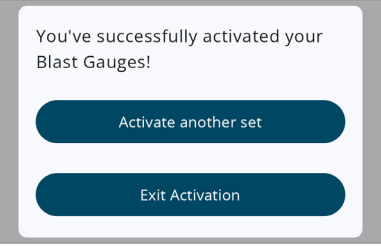
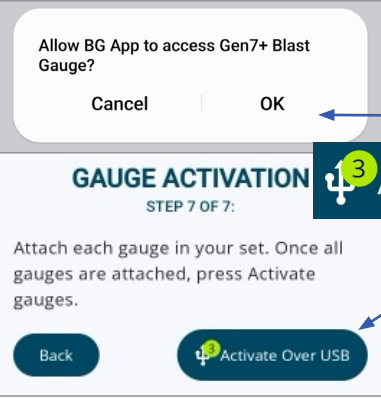
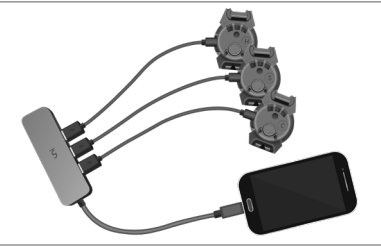


For more information refer to:
Gen 7+ User Manual
www.blastgauge.com



© Copyright 2025 BlackBox Biometrics, Inc. All Rights Reserved. The Blast Gauge® System is not intended to diagnose or treat the blast victim’s injuries. The first responder may use the Blast Gauge System data to characterize the blast overpressure and acceleration the subject sustained during an event, but will rely on standard diagnostic protocols to drive treatment of the subject’s injuries.

Blast Gauge Setup



Download Software

- Using Android, Scan QR code to visit www.blastgauge.com/software to register and download the BG App.
- Download the APK file to My Files.
- Press and Hold My Files, tap App Info. Change the setting “Install unknown apps” to Allowed.
- Tap the APK to install the BG App.
- Note: All features are also available in the BG App for Window PC. See user manual for details.

Activation Settings

1. Tap Menu in the upper left, then tap Gauge Activation.
2. Scan the QR code on the back label of each gauge in the set to activate.
3. Follow the activation steps. Use default settings unless you are an experienced user.

Connect Blast Gauges

1. At Step 7 - gently open the protective door on the side to expose the micro USB port.
2. Connect each gauge to the hub, and then connect the hub to the phone. A popup will appear.

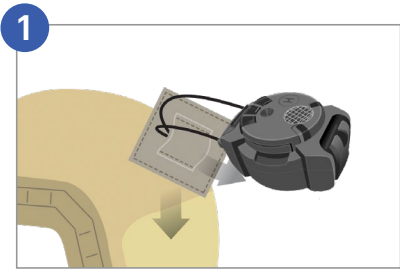
Grant Permission & Activate

1. Tap OK 3 times (once per gauge) to allow the app to access the gauges.
2. Verify 3 USB connections are shown in green. If less than 3 are shown, disconnect hub and try again.
3. Tap Activate Over USB.

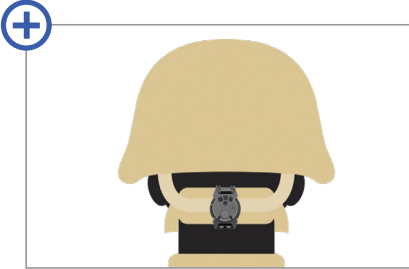
Blast Gauges are Ready

1. When activation is complete, gauges are setup and ready for use.
2. Disconnect gauges from USB and close the protective doors.
3. Tap “Activate another set” to setup another BGS set.
4. Tap “Exit activation” to return to the Personnel screen.

Attachment



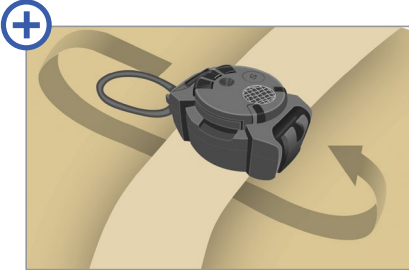
Head
Loop BGS bungee through fabric of Velcro patch then affix patch to back of helmet.



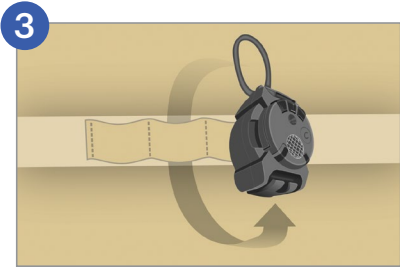
Head (alt.)
Loop XL bungee around nape strap.



Shoulder
Using BGS bungee, attach BGS to PALS webbing on non-firing shoulder.

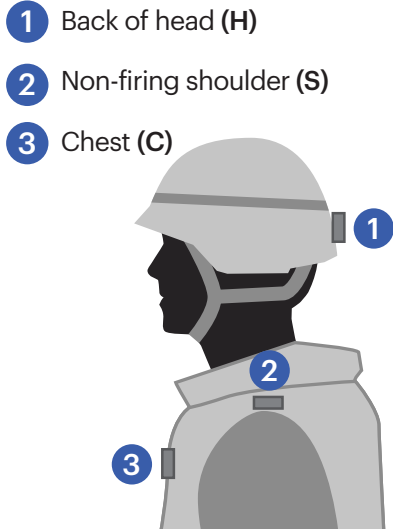


Shoulder (alt.)
Loop XL bungee around entire shoulder strap.

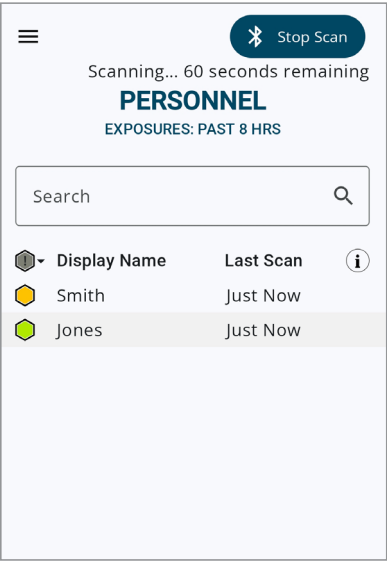


Chest
Using BGS bungee, attach BGS to PALS webbing on vest.

Attachment Positioning



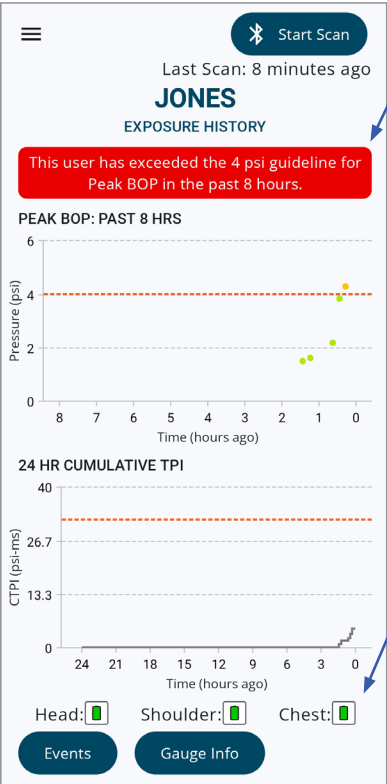
Scanning & Data Views



Bluetooth Scanning

- Tap Start Scan at the top to wirelessly download data from all nearby Blast Gauges. Gauges do not need to be connected via USB.
 - Scanning is available on most screens and will continue to run in the background until stopped or time out.
- Personnel View**
- Individuals appear in the list as their gauges are scanned.
 - List shows users scanned in the past 24 hours. The default time window can be adjusted in Settings.
 - Tap headers to sort. Default sort is by Peak BOP.
 - Tap a row to go to Exposure History.

Gauges utilize Interrogated Wireless™ Bluetooth Low Energy (BLE) - they do not emit signals until the user presses Start Scan on the App



Individual Exposure History

- Alert appears if user has exceeded commonly used exposure guidelines for Peak BOP or Cumulative Total Positive Impulse.
- The top graph shows data over the user-specified time window.
- Peak BOP exceeding 4psi is the current US DOD guideline for mitigation.
- Peaks exceeding 16 psi will be red by default.
- The bottom graph always shows data over the past 24 hr.
- Cumulative TPI has been correlated to injury from repeated low-level blast effect.

Gauge Battery Life

- Gen7+ has a high-capacity, hermetically sealed, non-replaceable battery that lasts up to 3 years in training.
- Tap the icon to see the remaining battery life.
- An alert will be presented on the personnel page if batteries are critically low. Replace the gauge.