

blacklinesafety

G7 PowerPack

Technical User Manual

CONTENTS

OVERVIEW

What's in the box	4
Hardware details	5

OPERATING

How it works.....	6
Attaching and removing	7
PowerPack details.....	8
Charging.....	10

SUPPORT

Learn more	11
Customer Care.....	11

SPECIFICATIONS

Detailed specifications.....	12
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LEGAL NOTICES AND CERTIFICATIONS

Legal notices	13
Intrinsically safe.....	14

OVERVIEW

WHAT'S IN THE BOX

Your G7 PowerPack comes with:

- G7 PowerPack
- PowerPack clasp
- PowerPack screw
- Phillips #1 screwdriver
- Supplementary documentation

HARDWARE DETAILS



OPERATING

HOW IT WORKS



PowerPack can be attached to G7 to help your device's battery last longer during your shift. When attached, PowerPack simultaneously charges and operates G7 – when PowerPack reaches 0% battery life, G7's battery will then start to deplete.

How long does G7 PowerPack last?

PowerPack doubles your G7's typical battery life to (up to 36 hours at normal operation).

Where can I use G7 PowerPack?

PowerPack is certified intrinsically safe, meaning it can be taken on-site to potentially explosive environments. It is important to note G7's PowerPack is only functional in temperatures above 0°C (32°F). PowerPack can also be safely installed and removed in a hazardous environment.

ATTACHING AND REMOVING

How do I attach G7 PowerPack to my G7 device?



1. Release the clasp from PowerPack by pressing inward on the release tabs and pulling the two apart
2. Open G7's metal clip
3. Using a phillips #1 screwdriver, unscrew the metal clip's screw
4. Remove the metal clip
5. Align the hole in PowerPack's clasp with the hole on the back of G7
6. Align G7's metal clip, PowerPack screw and the hole in PowerPack's clasp
7. Through the opening in the top of the clip, screw both PowerPack's clasp and the metal clip back on to G7
8. Align the bottom of PowerPack with G7's charge port, and slide in to place until you hear a click

How do I remove G7 PowerPack from my G7 device?

To remove PowerPack from G7, press inward on both release tabs to release from the clasp. Then, slide PowerPack off of G7.

NOTE: PowerPack will need to be removed from G7 in order to use G7 Dock.

G7 POWERPACK DETAILS

How do I know PowerPack is attached to G7?



When PowerPack is attached to G7 and is charged, the charge light will glow red at the bottom of G7 and the battery icon will display a lightning bolt to show G7 is charging.

If PowerPack is not attached properly or is depleted, the red charge light will not glow and the lightning bolt will not show over G7's battery icon. Check PowerPack's level and charge if depleted, or try reattaching again if adequately charged.

NOTE: If G7's battery is fully depleted, charge must be initiated by pressing PowerPack's charge button.

How can I check my G7 PowerPack's level?

PowerPack's level can be checked by pressing the charge level button on the back of the battery, or from the PowerPack section of G7's accessory menu.

To check PowerPack's level from the charge level button:

1. Press the button on the back of PowerPack
2. The charge lights will glow to indicate the battery's level – five lights being a full charge, one light being low battery



To check PowerPack's level from G7's accessory menu:

1. Use the up, down and OK buttons to navigate to the *accessories* menu option from G7's main menu
2. Select *PowerPack*
3. Select *battery level*
4. Here you will see a visual representation of PowerPack's level. This only represent PowerPack's level, not its combined level with G7



What is the PowerPack menu?

The PowerPack menu is available from the accessories option found in G7's main menu. This is where you can find details such as PowerPack's information and battery level.



From the *PowerPack info* option, you can see details such as PowerPack's Unit ID (also available from the product label on the back of the battery) as well as the firmware version the battery is using.

From the *battery level* option, you can see how much charge PowerPack has left. This battery icon only represents the level of G7 PowerPack, not the combined level with G7.

CHARGING

How do I charge my PowerPack when attached to G7?



1. Insert the micro USB into the charge clip
2. Slide the charge clip onto the charge port of PowerPack
3. G7's red charge light will glow. PowerPack and G7's battery will charge in tandem. G7's device battery level can be seen on its screen, and PowerPack's level can be seen from the battery level lights.

Charging PowerPack when attached to G7 can take up to 4 hours.

NOTE: PowerPack can also be charged when attached to G7 with a wall clip, or Blackline's five-bay or 20-bay chargers.

How do I charge my PowerPack independently?



1. Insert the micro USB into the charge clip
2. Slide the charge clip onto the charge port of PowerPack
3. The red charge light on the front of PowerPack will glow, and its level can be seen from the battery level lights

Charging PowerPack independently can take up to 4 hours.

NOTE: PowerPack can also be charged with a wall clip, or Blackline's five-bay or 20-bay chargers.

SUPPORT

LEARN MORE

Visit support.BlacklineSafety.com to find support and training materials for PowerPack.

CUSTOMER CARE

For technical support, please contact our Customer Care team.

North America (24 hours)

Toll Free: 1-877-869-7212 | support@blacklinesafety.com

United Kingdom (8am-5pm GMT)

+44 1787 222684 | eusupport@blacklinesafety.com

International (24 hours)

+1-403-451-0327 | support@blacklinesafety.com

SPECIFICATIONS

DETAILED SPECIFICATIONS

Size & weight

Size: 105mm x 53mm x 28mm (at largest depth),
4.1" x 2.1" x 1.1" (at largest depth)

Weight: Standalone: 63.2 g (2.23 oz),
on multi-gas G7: 255.2 g (9.0 oz)

User interface

5 red LED charge lights and charge button
to indicate charge level

Power & battery

Rechargeable Li-ion battery: 1500 mAh Li-ion
Battery Life: Double your G7's typical battery life
at 20°C (68°F) under normal usage (operating a
functional G7)

Charge time: 4 hours

Environmental

Storage temperature: -30°C to 60°C
(-22°F to 140°F)

Operating temperature: 0°C to 45°C
(32°F to 113°F)

Charging temperature: 0°C to 45°C
(32°F to 113°F)

Ingress Protection: Designed to meet IP67

Drop: Tested and survived multiple 2m (78") drops

Approvals

SAR, RoHS, CE, RCM, FCC, IECS-3(B)/NMB-3(B)

Canada & USA: Class I Division 1 Group A,B,C,D
T4; Class I Zone 0 AEx ia IIC T4; Ex ia IIC T4 Ga
IECEx & ATEX: Ex ia IIC T4 Ga

Warranty

Two year warranty

Installation

PowerPack clasp attaches PowerPack to G7 via
dual clip latch and 16mm M2.4x45 Phillips head
screw

LEGAL NOTICES AND CERTIFICATIONS

LEGAL NOTICES

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Warranty

Your G7 Battery device is warranted against defects in materials and workmanship for up to two years from date of purchase. For further details regarding your Blackline warranty, please refer to your terms and conditions of service.

FCC Compliance

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.

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. Note: the grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

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 further assistance.

Warning

Do not operate Blackline Safety products where you are not able to safely operate your mobile/cellular phone.

Electrical equipment may be hazardous if misused. Operation of this product, or similar products, must always be supervised by an adult. Do not allow children access to the interior of any electrical product and do not permit them to handle any cables.

Do not operate or store Blackline products outside their specified operating or storage temperatures. Consult the specifications section for more information.

Blackline products may contain an internal lithium-ion battery pack. Seek advice from your local electronics recycling authority regarding the disposal of your device. Do not dispose Blackline products in your household trash.

INTRINSICALLY SAFE

Intrinsically Safe

This device is certified Intrinsically Safe for use in Class I Division 1 Groups A,B,C,D T4; Ex ia IIC T4 Ga; Class I Zone 0 AEx ia Group IIC T4 Ga hazardous (classified) locations.

Sécurité intrinsèque

Cet appareil est certifié à sécurité intrinsèque pour l'usage en classe I division 1 groupe A,B,C,D T4; Ex ia IIC T4 Ga; classe I zone 0 AEx ia groupe IIC T4 Ga dans les lieux classés comme dangereux.

CSA: 70098755
UL 60079

Class I Division 1 Groups A,B,C,D; T4
Class I Zone 0 AEx da ia IIC T4 Ga

CAN/CSA C22.2 No. 60079
Ex ia IIC T4 Ga

IECEX/ATEX: IECEx CSA 17.0005; Sira
17ATEX2083X

IEC 60079; EN 60079
G7c: Ex da ia IIC T4 Ga
G7x: Ex ib IIC T4 Gb



-20°C ≤ Ta ≤ +55°C

P/N *ACC-G7-BAT*

The equipment shall only be charged when in the non-hazardous area using a charger specifically supplied for use with the unit (for example part number SAW06D-050-1000xx, manufactured by Shenzhen Shi Ying Yuan Electronics Co., Ltd.), approved as SELV or Class 2 equipment against IEC 60950, IEC 61010-1 or an equivalent IEC standard. The maximum voltage and current from the charger shall not exceed 5.625Vdc and 2A respectively.

Standards:

CAN/CSA C22.2 No. 60079-0: 2015
CAN/CSA C22.2 No. 60079-11: 2014
UL 913, Eighth Edition
UL 60079-0: Sixth Edition
UL 60079-11: Sixth Edition

Consult with your organization's safety professional for further information regarding the topic of intrinsic safety and any policies, procedures, facilities, or locations within facilities that may be related to intrinsic safety.

L'équipement ne doit être chargé que dans la zone non dangereuse à l'aide d'un chargeur spécifiquement fourni pour l'utilisation avec l'appareil (par exemple, la référence SAW06D-050-1000xx, fabriquée par Shenzhen Shi Ying Yuan Electronics Co., Ltd.) SELV ou Classe 2 selon IEC 60950, IEC 61010-1 ou une norme IEC équivalente. La tension et le courant maximum du chargeur ne doivent pas dépasser respectivement 5.625Vdc et 2A.

EN 60079-0: 2012/A11:2013
EN 60079-11: 2012
IEC 60079-0: 2011 6th Edition
IEC 60079-11: 2011 6th Edition

S'il vous plaît consulter professionnel de la sécurité de votre organisation pour de plus amples informations concernant le sujet de la sécurité intrinsèque et les politiques, les procédures, les installations, ou emplacements au sein des établissements qui peuvent être liés à la sécurité intrinsèque.

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