

BW TECHNOLOGIES BY HONEYWELL

GasAlertMicro Charger 3 Instruction Sheet

Introduction

The GasAlertMicro Charger 3 (“the charger”) charges the GA MicroBatt rechargeable battery pack.

Standard GasAlertMicro Charger 3 kit includes:

- Universal power adapter
- Power cord
- GasAlertMicro Charger 3
- Instruction Sheet

Table 1. Order Number

Model No.	Description	Qty
GAMIC-C07-03*	GasAlertMicro charger	1

*Add suffix (-UK) for United Kingdom mains plug, (-EU) for European mains plug, and (-AU) for Australian mains plug. For other countries, contact [BW Technologies](#).



D6042

iERP: 122856

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⚠ Safety Information - Read First

- ⇒ For indoor use only.
- ⇒ **Warning:** Substitution of components may impair Intrinsic Safety of the detector under charge.
- ⇒ Do not charge the battery pack with any other charger. Do not use the charger, change the batteries, or charge the batteries in a hazardous location. Failure to observe these precautions will impair the Intrinsic Safety of the detector and can lead to fire and/or explosion.
- ⇒ Do not expose the charger to electrical shock or severe continuous mechanical shock.
- ⇒ Ensure the battery pack is locked in place before operating the detector.
- ⇒ If the charger is damaged or parts are missing, contact [BW Technologies](#) immediately.
- ⇒ To eliminate the risk of electrical shock, unplug the charger whenever cleaning or other maintenance is required.
- ⇒ Avoid touching the charging cradle contact pins.
- ⇒ Use only BW approved batteries. Do not use alkaline or other non-rechargeable batteries with this charger.
- ⇒ Use only BW approved power adapters and cables.

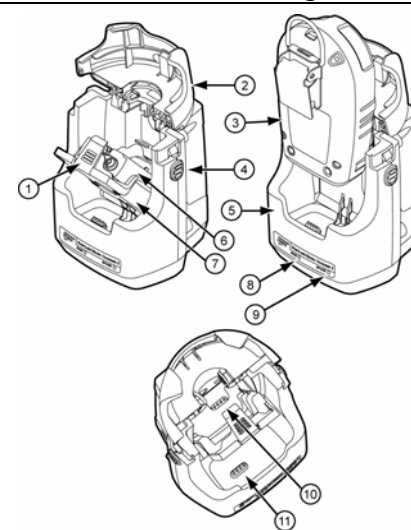


The battery pack contains NiMH batteries. Do not mix with the solid waste stream. Depleted batteries should be disposed of by a qualified recycler or hazardous materials handler.

Table. 2 International Symbols

Symbol	Meaning
	Approved to both U.S. and Canadian Standards by the Canadian Standards Association
	Caution – risk of danger
	dc current

Parts of the GasAlertMicro Charger 3



1	Battery tray release switch
2	Charger lid
3	GasAlertMicro
4	Charger lid release switch
5	GasAlertMicro Charger 3
6	Battery pack
7	Battery tray
8	Main LED
9	Spare LED
10	Battery charger contact pins
11	Detector charger contact pins

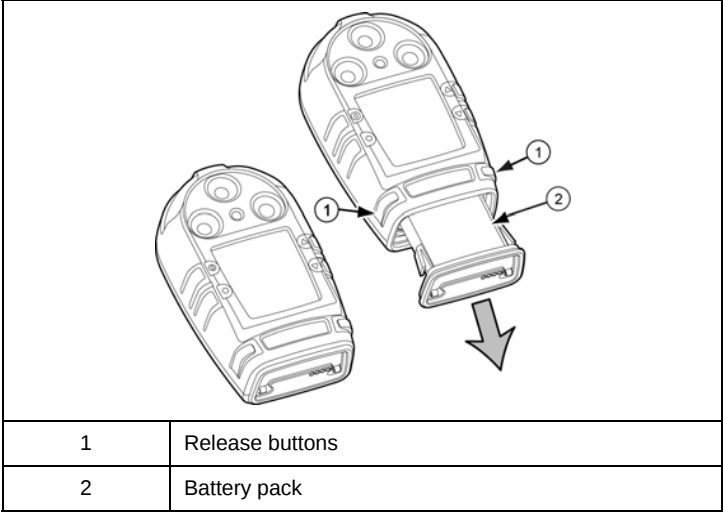
LED (Light Emitting Diodes)

The charger has 2 LEDs. The Main LED displays the detector's charging status. The Spare LED displays the battery pack's charging status.

Table 3. LED Status

LED Status	Description
Unlit	Battery pack or detector not inserted, battery pack or detector loaded incorrectly, no power supply, or error. Refer to Troubleshooting .
Solid red	Battery pack charging normally.
Solid green	Battery pack charged completely.
Slow blinking red	Spare battery pack waiting for charging to begin.

Changing the Battery Pack



1. Deactivate the detector.
2. Fully depress the two release buttons on the detector and remove the battery pack.
3. Insert the new battery pack. Push until both release tabs click.

Mounting the Charger

The charger can be mounted to a secure surface. To mount the charger, refer to Figure 1 and complete the following steps:

Note

As there are a variety of surfaces that the charger can be mounted to, retaining screws are not provided.

1. Determine a secure location to mount the charger.
2. Lower the battery tray to access the screw holes. Refer to Figure 1.

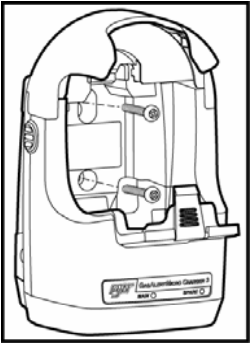


Figure 1. Inserting Screws For Mounting

3. Holding the charger flush to the wall, drill one screw into the upper hole. Allow sufficient screw length to support the charger.
4. Slide the charger down onto the mounted screw. The screw should sit in the narrow slot of the hole.
5. Drill a screw into the lower hole.

Charging Guidelines

⚠ Warning

To charge successfully, the ambient temperature must be between 50°F to 95°F (10°C to 35°C).

If the detector emits a low battery alarm, charge the battery pack immediately.

Guidelines

- Charging the battery pack or detector in temperatures below 50°F (10°C) or above 95°F (35°C) greatly reduces the life of the battery pack.
- When charging a battery pack and a detector, first insert the battery pack then the detector.
- When charging a detector and battery pack, the charger charges a detector before a battery pack.
- When charging a new battery pack for the first time, fully charge the battery pack before use. It takes approximately 5 continuous hours to completely charge a regular battery pack (1600 mAh) or a high-capacity battery pack (2500 mAh).
- Approximately three charges are required to achieve a full charge capacity of the new battery pack.
- If the LED does not light when the battery pack or detector is inserted, refer to [Troubleshooting](#).
- The battery pack or detector may be hot immediately after charging.
- The battery pack or detector can remain in the charger after charging is complete.
- If the battery pack or detector is removed from the charger after a full charge cycle and then reinserted, the spare LED lights red. The spare LED then lights green approximately 15 minutes after. The battery pack can be removed during the 15 minutes.

Charging the Battery Pack

⚠ Warning

Insert the battery pack with the circuit board positioned up. The battery pack will not charge if inserted incorrectly. Refer to Figure 2.

1. Insert the power cord into the charger port.
2. Plug the power cord into a Vac outlet. The charger beeps. The main and spare LEDs light red then green.
3. With the battery pack's circuit board positioned up, gently drop the battery pack into the battery tray. Ensure the battery pack charger contacts are positioned to match the label inside the charger. Refer to Figure 2.

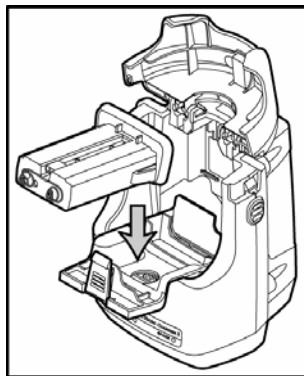


Figure 2. Inserting the Battery Pack Into the battery tray

4. Close the battery tray. Refer to Figure 3.

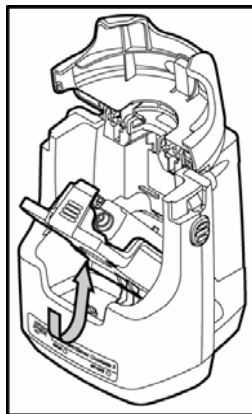


Figure 3. Closing the Battery Tray

If the battery tray does not close easily, reposition the battery pack with the circuit board positioned up.

5. The spare LED lights red and the charger beeps. The main LED remains unlit.
6. Allow the battery pack to fully charge (approximately 5 continuous hours for a regular battery pack (1600 mAh) or a high-capacity battery pack (2500 mAh)). The spare LED changes to solid green and the charger beeps once when charging is complete.

Charging the Detector

1. Insert the power cord into the charger port.
2. Plug the power cord into a Vac outlet. The charger beeps. The main and spare LEDs light red then green.

3. Deactivate the detector.
4. Insert the detector into the charger and close the charger lid. Refer to Figure 4 and Figure 5.

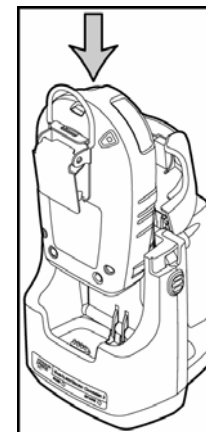


Figure 4. Inserting the Detector Into the Charger

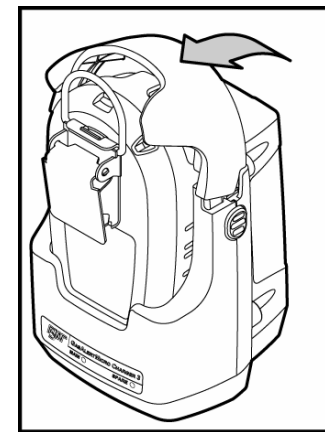


Figure 5. Closing the Charger Lid

5. The main LED lights solid red and the charger beeps. If charging a battery pack in the battery compartment, the spare LED changes from solid red to slow blinking red.
6. Allow the detector's battery pack to fully charge (approximately 5 continuous hours for a regular battery pack (1600 mAh) or a high capacity battery pack (2500 mAh)). The main LED changes to solid green when charging is complete and the charger beeps once. If a battery pack is also in the charger, the spare LED changes from slow blinking red to solid red and the battery pack begins charging.

Troubleshooting

If a problem occurs, refer to the following solutions. If the problem persists, contact [BW Technologies](#).

Table 4. Troubleshooting Guide

Problem	Possible Cause	Solution
The LED does not light solid red and does not beep when the detector or battery pack is inserted.	The battery pack charging contacts are dirty.	Gently clean the battery pack charger contacts with a toothpick.
	Improper contact between contact pins and the detector or battery pack.	Reinsert the detector or battery pack.
		Close the charger lid.
	The battery pack is not inserted correctly in the charger.	Ensure the battery pack is inserted with the circuit board positioned up.
	The battery pack is above or below the operating temperature.	Allow the battery pack time to adjust to the specified operating temperature (approximately 1 hour).
	The battery pack is severely depleted.	Contact BW Technologies .
	The battery pack is damaged or defective.	Contact BW Technologies .

Problem	Possible Cause	Solution
The charger beeps repeatedly and the LED blinks quickly when a detector or battery pack is inserted.	Improper contact between contact pins and the detector or battery pack.	Reinsert the detector or battery pack.
	The battery pack is severely depleted.	Contact BW Technologies .
	The battery pack is damaged or defective.	Contact BW Technologies .
Battery tray does not close properly.	Battery pack not inserted correctly.	Insert battery pack with the circuit board up. Refer to Figure 2.
Charge terminates early.	Ambient temperature is too high or too low.	Charge in the temperature range of 50°F (10°C) to 95°F (35°C).

Maintenance



Warning

No user-serviceable parts inside.

To maintain the charger in good operating condition, perform the following basic maintenance as required.

- Clean the exterior with a soft, damp cloth. Do not use solvents, soaps, or polishes.
- Do not immerse the charger in liquids.

Battery Pack Storage

- When stored for extended periods of time, ensure the battery pack is fully charged and then recharged every 30 days.

Replacement Parts and Accessories

Table 5. Replacement Parts and Accessories

Model No.	Description	Qty
GAMIC-V-CHRG2	Vehicle adapter cable	1
GAMIC-BAT-03	Rechargeable battery pack (1600 mAh)	1
GAMIC –BAT2-03	High-capacity rechargeable battery pack (2500 mAh)	1

Specifications

Size: 8.50 x 7.75 x 13.60 cm (3.35 x 3.05 x 5.35 in.)

Weight: 280 g (9.88 oz)

Operating temperature: +10°C to +35°C (+50°F to +95°F)

Storage temperature: -40°C to +85°C (-40°F to +185°F)

Humidity: 0 to 50%

Altitude: 2000 m (6561.66 ft.)

Power: 6 Vdc  1.0 A

Charging LED: Color-coded LED advises the following: charging, awaiting charging, charging complete, and charger fault

Charge time: Typically 5 hours of continuous charge time for a regular battery pack or a high capacity battery pack.

Battery life: Typically 300 charges

Pollution degree: 2

Installation category: I

Certifications: Approved to both U.S. and Canadian standards by CSA for use in ordinary locations.

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 and ICES-003 Canadian EMI requirements. 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.

Warning

This product is designed for installation in an indoor location only. All required National Electrical Codes and Safety Standards must be followed.

Contacting BW Technologies

To contact BW Technologies call:

USA: 1-888-749-8878

Canada: 1-800-663-4164

Europe: +44 (0) 1295 700300

Other countries: +1-403-248-9226

Address correspondence to:

BW Technologies LP

2840 – 2nd Avenue S.E.

Calgary, AB

T2A 7X9

CANADA

Email us at: info@bwtnet.com

Visit BW Technologies' web site at: www.gasmonitors.com

Canada

BW Technologies LP
2840 - 2 Avenue S.E.
Calgary, AB
Canada T2A 7X9

USA

BW America
3279 West Pioneer Parkway
Arlington, TX
USA 76013

Europe

BW Europe
5 Canada Close
Banbury, Oxfordshire
UK OX16 2RT

Warranty

LIMITED WARRANTY & LIMITATION OF LIABILITY

BW Technologies LP (BW) warrants this product to be free from defects in material and workmanship under normal use and service for a period of two years, beginning on the date of shipment to the buyer. This warranty extends only to the sale of new and unused products to the original buyer. BW's warranty obligation is limited, at BW's option, to refund of the purchase price, repair, or replacement of a defective product that is returned to a BW authorized service center within the warranty period. In no event shall BW's liability hereunder exceed the purchase price actually paid by the buyer for the Product.

This warranty does not include:

a)

fuses, disposable batteries or the routine replacement of parts due to the normal wear and tear of the product arising from use;

b)

any product which in BW's opinion, has been misused, altered, neglected or damaged by accident or abnormal conditions of operation, handling or use;

c)

any damage or defects attributable to repair of the product by any person other than an authorized dealer, or the installation of unapproved parts on the product; or

The obligations set forth in this warranty are conditional on:

a)

proper storage, installation, calibration, use, maintenance and compliance with the product manual instructions and any other applicable recommendations of BW;

b)

the buyer promptly notifying BW of any defect and, if required, promptly making the product available for correction. No goods shall be returned to BW until receipt by the buyer of shipping instructions from BW; and

c)

the right of BW to require that the buyer provide proof of purchase such as the original invoice, bill of sale or packing slip to establish that the product is within the warranty period.

THE BUYER AGREES THAT THIS WARRANTY IS THE BUYER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. BW SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, INCLUDING LOSS OF DATA, WHETHER ARISING FROM BREACH OF WARRANTY OR BASED ON CONTRACT, TORT OR RELIANCE OR ANY OTHER THEORY.

Since some countries or states do not allow limitation of the term of an implied warranty, or exclusion or limitation of incidental or consequential damages, the limitations and exclusions of this warranty may not apply to every buyer. If any provision of this warranty is held invalid or unenforceable by a court of competent jurisdiction, such holding will not affect the validity or enforceability of any other provision.