



PELTOR
Protection & Communication



ACK081B/1 Rechargeable Li-Ion battery pack update

April 2024
Updated Dec 2024

Ken Johansson

ACK081B/1 Update

ACK081 have been updated with a new cell due to EOL of the current one. As this gives us some new claims and improvements it will require a new SKU number

Changes from old to new

- Increased capacity from 1800mAh, 6,7Wh to 2150mAh, 8Wh
- De-energized connectors when not connected to a product
- Delivered in "shipping-mode"
- Comply to Common Charging Directive



ACK081B/1 Update

Capacity increase will give improved run times on Lite Com Plus and Pro III products. In systematic test it's about 16% increase (80/10/10).

De-energized connectors will improve the risk of getting corrosion on the connectors of the battery. It also prevent short-circuit if battery is not stored properly.

Shipping mode will reduce the risk of self-discharge during transport and storage. To activate the battery one need to connect it to a charger and when the LED turns red, the battery is active and will start charging. If battery is stored active during a long time it will go into shipping mode again and will require a charge cycle to be active.



ACK081B/1 Update

The European **Common Charger Directive** describe the demand of using USB-C connector as charging port for portable electronic devices, such as LiteCom headsets. The directive demand USB-C as soon as one can charge the battery when battery is connected to the device, in our case, as soon as the battery is connected to the headset. If you only can charge the battery outside the product then is the USB-C demand not valid, and we can use the DC-plug solution as we have today.

Any product entering EU after December 28, 2024, must comply with this demand. Any product already inside EU can be sold, so any available stock is OK to use.

In WS Adapter G3, it's no issue as there is the charging port blocked when in use and you need to remove battery pack prior to charging.

The solution that is chosen to be compliant for LiteCom is to block the charging when we connect the battery pack to the headset, so one must remove the battery pack to be able to charge. This is done electronically and can't be changed by the user.

This solution will be implemented as a running change during Q1, 2025

Note, this is a European demand but as the ACK081B/1 is a global product this affects all users.



ACK081B/1 Update



Celum id: 2396448




Celum id: 2396445

TDS

3M PELTOR Technical Data Specification
Protection & Communication May 2024

3M™ PELTOR™ Rechargeable Li-Ion Battery Pack, ACK081B/1

Product Description



The 3M PELTOR rechargeable Li-ion battery pack is to be used for certain 3M products, such as V95 LinCom Plus, V95 LinCom Pro III, V95 Adapter G3 among others, please refer to the user instruction for your product.

Battery pack is delivered in "shipping-mode" to reduce self-discharge and will not start until the charger is attached. When the red LED lights up, the battery pack is turned on and charging starts.

When battery is not connected to a product all connectors are de-energized to minimize any corrosion or short circuit risks.

Key Features

- Increased capacity, 3.7 V 2150 mAh, 8Wh.
- De-energized connectors when battery is not connected to a product.
- Delivered in "shipping-mode."
- Fully compatible with ACK081.

Standards and Approvals

Herby, 3M Svenska AB declares that the product is in compliance with appropriate directives or regulations to fulfill the requirements for the CE marking.

The full text of the EU declaration of conformity is available at the following internet address: www.3m.com/PELTOR/DOC. A copy of the declaration of conformity and additional information required in the directives or regulations can also be obtained by contacting 3M in the country of purchase.

Celum id: 2404560

ACK081B/1 Update

Part #	ACK081B/1
SAP id	7100330766
3M id	UU013044324
Market	EU/USAC/ANZ
MOQ	1
EAN	68060856999
EAN Ship	50068060856994

