

AC80 Battery Charger

FreeSpeak Wireless Solutions

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AC80 Battery Charger

Key Features and Benefits

- Fast charging up to four hours
- Beltpack Drop-in charging
- Individual battery charging
- Charge status indicators
- Charge up to four beltpacks or batteries
- Beltpack displays charge status
- Designed for robust performance in the most demanding environments

The AC80 is the battery charger for FreeSpeak Edge[®] and FreeSpeak Icon, a member of the FreeSpeak[®] family of digital wireless products from Clear-Com.

Description

The AC80 battery charger can charge up to four FreeSpeak Edge or FreeSpeak Icon beltpack batteries simultaneously, either as a drop-in charger for the whole beltpack or for individual BAT80 batteries.

Operation

The AC80 battery charger has four charging slots that can either charge a BAT80 battery, FreeSpeak Edge, or FreeSpeak Icon beltpack. The AC80 can charge four BAT80s or four beltpacks at the same time or a combination of the two devices (e.g. two BAT80s and two beltpacks).

Charge Time

The battery in the beltpack takes up to five hours to charge. By itself, the battery takes up to three and a half hours to fully charge. To charge the battery to 20% by itself or in the beltpack in the AC80 it will take roughly 30 minutes. When the battery is charged up to 20-25% the beltpack will have approximately 2 hours of battery life.

Battery

Using the BAT80 Li-Ion battery, the FreeSpeak Edge and FreeSpeak Icon beltpack has 12+ hours of battery life. Optionally, the battery can be charged through the USB-C charging port and used for continuous powering of the beltpack. When charging through the USB-C port, a power source rated at a minimum of 5 volts at 2 Amps is required to get a full charge.

Design

Designed for repetitive use in the most demanding professional applications, the AC80 is robust and provides an intuitive user interface. Charging contacts are placed on the sides for easy insertion and removal of beltpacks and batteries.

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Charging the Beltpack

Insert either the beltpack containing the battery, or the battery itself into one of the recharging bays on the battery charger. A red LED indicates that the battery is charging.

If the battery is charging while it is still in the beltpack battery compartment, an illuminated beltpack key (Talk key A) will indicate the charging status. The table below shows the charging status conditions.

Status indicator	Status
Talk key A or charger status LED: red	Charging
Talk key A or charger status LED: green	Fully charged
Talk key A or charger status LED: amber	Fault
Beltpack screen	Displays the charge status bar and the software version.

Technical Specifications

Power Supply

Input Voltage: 100 to 240V AC (50 - 60Hz)

Output Voltage: 12V @ 5A (60W)

MTBF (min.): 300,000 Hrs.(calculated hours at 25°C,by Telcordia SR-332)

Battery

Type of Cell: Rechargeable lithium Ion

Voltage: 3.6V

Capacity: 4400mAh

Temperature

Operating: 32 to 113°F (0 to 45°C)

Storage: -22 to 158°F (-30 to 70°C)

Humidity: 20°C to 90% Non-Condensing

Dimensions

Charger: 2.74x10.9x7.2in (HxWxD)

(69.6 x 276.9 x 182.9mm)

Battery: 3.25x2.3x0.69in (HxWxD)

(82.6 x 58.4 x 17.5mm)

Weight

Charger: 30.3oz (0.86kg)

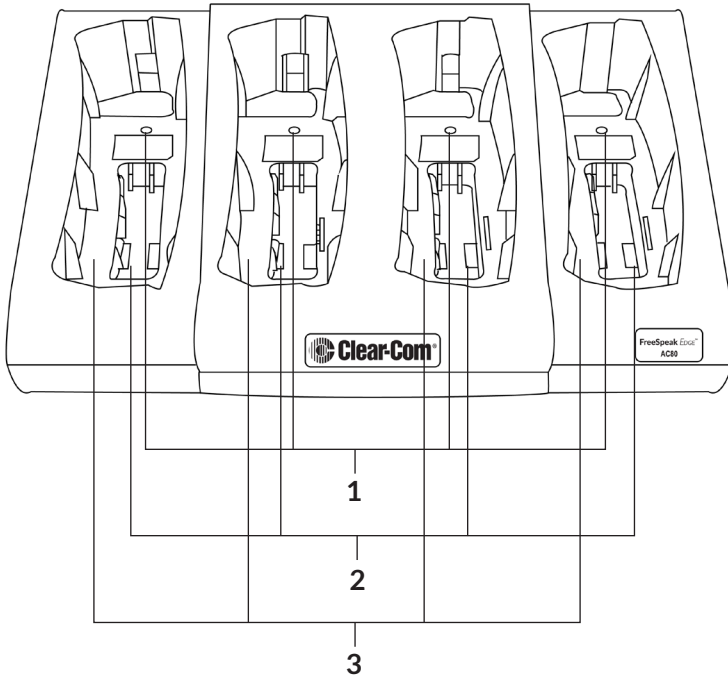
Charger with Power Supply and Cord: 41.5oz (1.18kg)

Battery: 3.9oz (0.11kg)

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Charger



Legend

Charger

1. LED lights
2. Battery slot
3. Beltpack slot

Back

1. Power

Battery

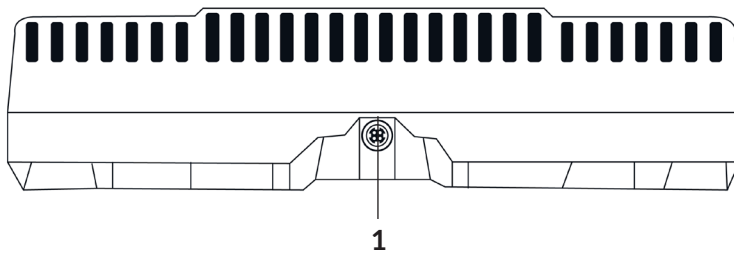
1. Charging contact

Order Codes

AC80

BAT80

Charger Back



Battery

