

Alkaline Battery Pack

Your Surface Unit may also be powered by part number BAT-S01, AA Alkaline battery holder. Install fresh alkaline AA cells. When operating, a LOW POWER BEEP will sound every 8 seconds when the battery is almost discharged.

The battery compartment is in one ear cup. Batteries may be accessed by pulling off the ear muff pad and removing the battery pack.



BAT-S01
(empty)

BAT-S01
(loaded)

Make sure that all battery cells are loaded with the correct polarity. If they are incorrectly loaded, the low power beep tone will be heard. Also make sure good contact is made by sliding the battery cells onto the positive terminal.



Caution: Please do not attempt to connect any other battery or external power to the terminals. The warranty will be voided if power other than the Surface Unit battery pack is applied to the power terminals. In particular, over 12.5 volts is not to be applied to the terminals.

Rechargeable Battery Pack BAT-S01R-NIMH

You have purchased a rechargeable battery pack model BAT-S01R-NIMH.

Both the overnight charger CHG-U01 and the fast charger CHG-QC1-UNIV may be used to charge this battery pack.

BAT-S01R-NIMH is a matched cell battery pack with an energy management system to allow fast charging.



BAT-S01R-NIMH



CHG-QC1-UNIV

The battery pack clips onto the button terminals and is placed inside the battery compartment.

The felt cover is replaced over the battery with the button hole located at the top for the purpose of recharging.

The battery pack is protected by a resettable fuse.



How to charge the Surface Unit

There is no need to remove the battery pack from the earcup. Plug your charger into the mains power, then look for the button hole in the battery ear cup. Plug the DC power plug into the battery pack and wait until the charge lights indicate full charge (may be seen if the battery pack is removed).



Make sure that the Surface Unit is OFF while charging.

Do NOT immerse the battery pack. Doing so will void the one year warranty.

You may notice that your battery pack reacts slightly to temperature changes. The internal Energy Management system monitors the temperature of the battery pack, and will shut down charging if the battery gets too warm. If the battery is in a warm environment when charging, it may not get a full charge and if you were to then use it in a cool environment, you may notice that the fully charged battery seems to lose charge quickly at first. This can be avoided by charging the battery in a cool dry place, out of direct sunlight.



CHARGE STATUS LIGHTS					
20%	40%	60%	80%	100%	Charged
RED	AMBER	AMBER	AMBER	GREEN	GREEN

The sixth LED indicates the charge status. If it is off, the internal energy management (EM) system is allowing a full rate charge to the battery. When this LED is on, or on and flashing occasionally, it means that the battery is fully charged and no further charge will be accepted if plugged into a charger.

Specifications

BAT-S01R-NIMH:

Battery Type: Nickel Metal Hydride

Battery Rating: 1650 mAH matched cells

Battery Life: Over 9 hours.

Amperage: Up to 300 mA continuous current is available. Short circuit protected.

Voltage: 9.6 Volts under load at full charge.