

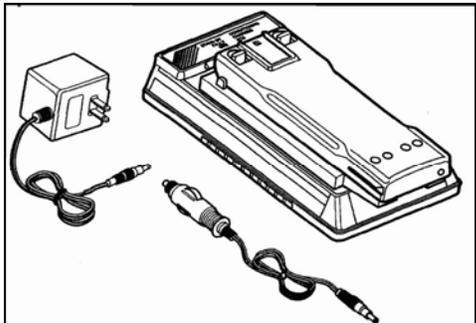


INSTRUCTION MANUAL
Iridium Battery Charger
9500/9505/9505a/9555



SatStation Single Bay Lithium-Ion Charger/ Conditioner

Operating Instructions



WARNING!

The use of this unit with a battery other than the specified Lithium-Ion batteries may result in damage and/or fire.

This unit is NOT to be used with Lead Acid, Carbon, Zinc, Alkaline, Mercury, Silver, Ci-Cd, NiMH or any other battery other than the specified Lithium-Ion batteries.

Instructions

For Home, Office or Car Use

1. With the charger plugged to an adequate power source, the red LED indicator will light and blink indicating that the charger is powered on and is waiting to initiate a battery charge.
2. Place a battery on the unit as shown in the Battery Insertion instruction card accompanying these instructions. The green LED indicator will light and blink showing that the battery is being charged and conditioned. If the green LED indicator does not light and the blinking red LED remains on refer to the "troubleshooting" further on in these instructions.
3. If the battery is removed from the unit before the full charging has been completed, the blinking red LED indicator will turn on. To recommence the charging, place the battery back on the unit. It is safe to remove the battery from the unit prior to completing the full charging cycle.
4. When the battery is charged to 95% of its capacity, the green LED indicator will blink faster.
5. When the battery is fully charged the green LED will light steady solid and the charge will be terminated.

LED's Summary

Red Flashing = Charger powered with no battery

Green Flashing = Battery charging

Fast Flashing Green = Battery charged to more than 95% of capacity

Green Solid = Battery charge complete



Trouble Shooting

If the blinking red LED indicator does not light after the AC adapter is plugged into the wall outlet:

- Check that the wall socket is powered and that the AC adapter is properly seated in the outlet.

If provided for vehicular operation with a cigarette lighter adapter (CLA):

- Check that the plugs into the unit or into the CLA sockets are properly seated.
- Check that the fuse in the CLA plug has not blown. To locate the fuse, unscrew the end metal tip of the CLA plug. Replace the fuse only with a 2 amp fuse.

If the red LED indicator lights with the battery in place:

- Remove the battery and insure it is properly seated on the adapter plate.

WARNING

1. **Do not use an AC or DC adapter other than those supplied with this unit.**
2. **Do not short circuit the output contacts on any further units.**
3. **The unit is a microprocessor controlled electronic device, which may be damaged if dropped or handled roughly.**

Specifications

A/C Input: 110VAC +5% to -10%, 3A
220VAC +5% to -10%, 1.5A

Frequency: 50-60 Hz.

Current out: 800 mAh

Output Voltage: 4.2V+/-0.4%

Operating battery temp: 0°C to 45°C

Storage temp: -40°C to +85°C

Weight: 8 oz. +/-5%

Dimensions: 6" x 3.75" x 1.25"

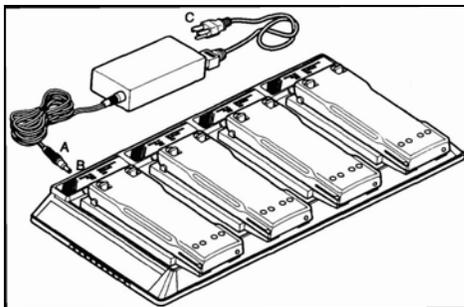


SatStation Four Bay Conditioning Charger with "ifd"

Operating Instructions

WARNING!

The use of this unit with a battery other than the specified Lithium-Ion batteries may result in damage and/or fire.



1. Insert the male round metal plug "A" at the end of the AC adapter into the corresponding female socket "B" on the unit.
2. Plug the AC adapter "C" into a suitable wall outlet. At this point the red LED indicators will light and blink to indicate "Stand By position".
3. Place one - four batteries on the unit, as shown in the Battery Insertion Instructions.
4. As each battery is inserted in place on the unit, the green LED of that unit will blink, showing that the battery is being charged and conditioned.
If the green LED does not light and:
 - a) the blinking red LED remains on after a battery is placed on the unit, refer to "**Trouble Shooting**" further on in these instructions.
 - b) the red and the green LED indicators blink alternately, refer to "*ifd*"TM - **Instant Fault Detection**" further on in these instructions.
5. If any of the batteries are removed from the unit before the full charging and reconditioning cycles have been completed, the blinking red LED indicator of that unit will turn on. To recommence the charging and reconditioning cycles, replace the battery on the unit. It is quite safe to remove the battery from the unit prior to completing the full charging cycle.
6. When the battery is fully charged and reconditioned, the green LED indicator will light solid showing that the unit has switched to maintenance mode. It is quite safe for both the battery and the unit to leave the battery on the unit with the solid green LED. While in this maintenance mode the unit will keep the battery at 100% peak condition without ever overcharging the battery.
7. During the reconditioning and charging cycle the unit and the battery may become warm. This is quite normal and is not harmful to either the battery or the radio.

***if*™ Instant Fault Detection**

1. If in point 4 in these Operating Instructions, the blinking green LED indicator does not turn on but rather the red and green LED lights blink alternately, this would indicate that the battery is defective and is not capable of holding an adequate charge to operate the radio for any length of time.



NOTE: If the battery is new and is being charged for the first time, the new battery may cause the red and green LEDs to blink alternately for a short time. If this should occur, leave the battery on the unit and the red blinking LED will stop within one minute and the solid green LED will light. If the alternating blinking red and green LEDs do not stop within one minute, it would appear that the battery is defective.

2. Before replacing a defective battery, it is suggested that the battery be placed on a reliable analyzer available to accurately determine the capacity of the battery. If no analyzer is available it is suggested that the battery be taken to your local two-way dealer to confirm the status of the battery before discarding the battery.

Trouble Shooting

1. If the blinking red LED indicator does not light after the AC adapter is plugged into the wall outlet:
 - (a) Check that the wall socket is powered and that the AC adapter is properly seated in the outlet.
 - (b) Check that the plug into the unit and the cigarette lighter plug into the cigarette lighter adapter (if being used in a vehicle) are properly seated.
 - (c) If being used in the vehicle, check that the fuse in the cigarette lighter plug is intact and has not blown. To locate the fuse, unscrew the end metal tip of the cigarette lighter plug. Replace the fuse only with a 2 Amp fuse.
2. If the red LED indicator lights with the battery in place, remove the battery and replace it, ensuring that the battery is properly seated, following the Battery Insertion Instructions.

Warning

1. Do not use AC adapter other than those supplied with the unit.
2. Do not short circuit the output on any of the units.
3. The unit is a highly sophisticated electronic device, which may be damaged if handled roughly or dropped.

Specifications

AC Adapter

Input: 120/240V AC 50/60Hz

Output: 12VDC 800mA

Charger

Input: 15V DC 4.0 Amp