

Operation Instructions for the RCS-3U Smart Battery Charger

INTRODUCTION

The RCS-3U smart charger is a universal-input, nickel-metal hydride (NiMH) battery charger for rapid charging of the NiMH batteries used in various Ocean Technology Systems' (OTS) communications products. It is designed with speed, simplicity, and ease of use in mind. By following the simple instructions provided here, you should experience long-term, trouble-free use of your RCS-3U charger.

The RCS-3U charger consists of the charging module, a power input chord, and power output cord as one unit (Fig. 1). The power output connector varies depending on the version of the RCS-3U charger you have purchased. You also have a choice of power input cords, depending on the country where you will use the charger. (Charger styles of power outlets vary throughout the world.)

OPERATION

Refer to Figure 1 for the identity of the components.

1. Connect the *power output connector* to the charging connector of the communications unit. Refer to the back of this instruction sheet for the required charging connection.
2. Connect the *power input connector* to the *charging module* and the *power input plug* to the AC power source.
3. Once the connections are made, the charger will determine the battery condition before starting to charge the battery. The LED on the *charging module* indicates the charging status (Table 1).

If the battery is defective or damaged, and the LED does not change from green to red after repeated charging attempts, the battery may need replacement. (Replacement batteries are available from OTS or your local dealer.)

4. When the LED indicates "trickle charge" status (Table 1), charging is complete. Unplug the charger from the AC power source and the battery or communications unit.

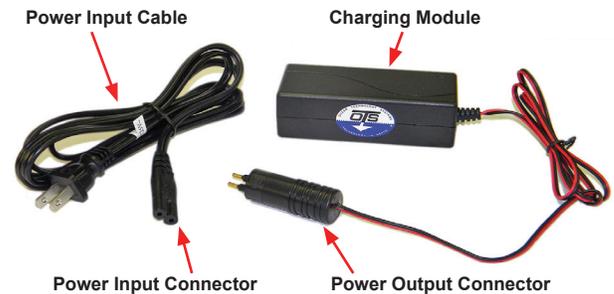


Figure 1

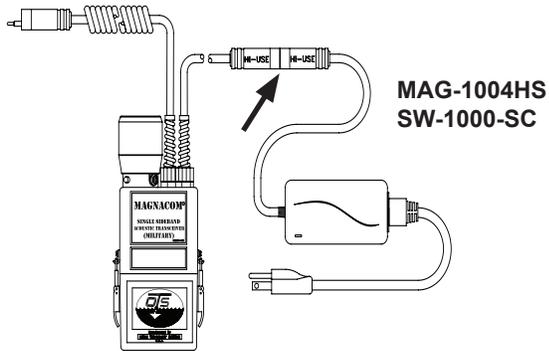
Table 1

| LED | Mode |
|-------|--|
| Green | No battery connected |
| Red | Fast charge cycle |
| Green | Trickle charge (charge cycle complete) |

IMPORTANT SAFETY NOTES

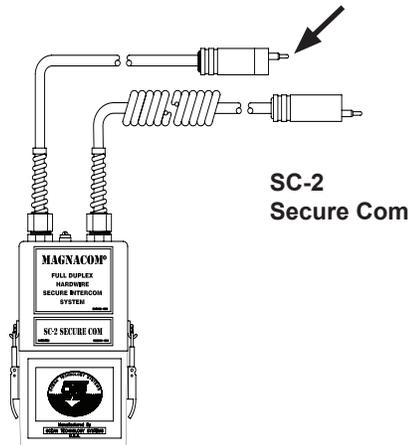
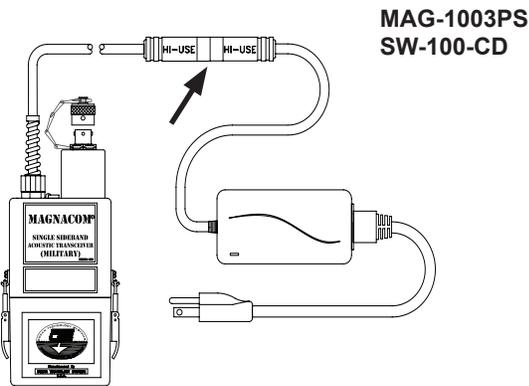
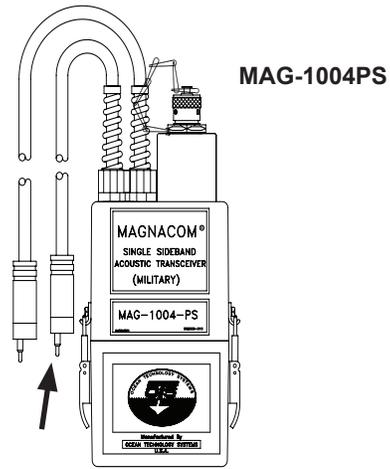
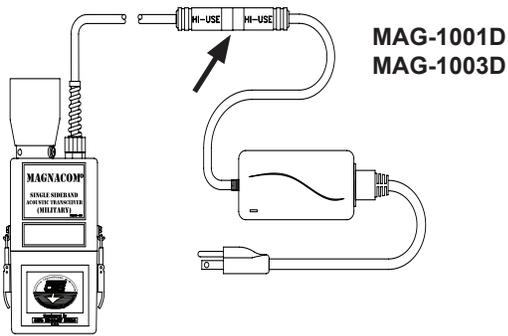
1. Do not attempt to charge alkaline or other non-rechargeable batteries. Doing so may damage the batteries and the charger.
2. Keep the charger away from water and dust.
3. The charger should remain uncovered and properly ventilated while in use.
4. Use the RCS-3U charger only with the batteries for which it was intended. If you have any questions about the batteries with which the RCS-3U should be used, contact Ocean Technology Systems.

* Hi-USE® power output connector depicted. Contact OTS or your local dealer for other available connectors.



INSTRUCTIONS FOR ALL UNITS:

1. Connect the RCS-3U charger to the transceiver's EM Hi-USE® connector (*see arrow*).
2. Connect the charger's power input cord to the AC power source (90–260 VAC, 50–60 Hz).
3. Charge the battery for 4-6 hours.
4. Disconnect the power input cord from the AC power source and the transceiver from the charger.



***** WARNING *****

1. When charging the battery pack for the SW-1000-SC, SC-2 Secure Com, MAG-1004HS, or MAG-1004PS, be sure to connect the charger's Hi-USE® connector to the transceiver's EM cable. Charging current applied through the alternate cord will not charge the batteries.
2. Do not charge the battery pack for more than 14 hours. Doing so may overheat and damage the battery.