



Operation Instructions for the RCS-15 and RCS-16 Smart Battery Chargers

The RCS-15 and RCS-16 smart chargers are universal-input, nickel-metal hydride (NiMH) battery chargers for rapid charging of the RB-11 NiMH batteries used in various Ocean Technology Systems (OTS) communications products, such as the Aquacom® SSB series of diver transceivers and the MK-7 BuddyLine intercom. By following the simple instructions provided here, you should experience long-term, trouble-free use of your RCS-15 or RCS-16 charger.

The RCS-15 and RCS-16 chargers consist of the charging module and power output cord as one unit (Fig. 1). The power output connector is a 4-pin “Amp” connector; additionally, with the RCS-16 is provided a battery snap adapter (Page 2, Fig. 2) for direct charging of the battery (required for the MK-7 and optional for the SSB-2010, SSB-1001B, etc.). A power input cord is provided with your choice of plugs depending on the region of the world where the charger is used.



Figure 1. Charging unit and power input cord

OPERATION

1. Connect the *power input plug* (Fig. 1) to the AC source and the *power input connector* to the *charging module*.
2. To charge the RB-11 battery through the communications unit (not applicable to the MK-7), connect the *Amp power output connector* to the communications unit (described in greater detail on back of this page). To charge the battery directly (RCS-16 only), connect the *battery snap adapter* to the *power output connector* and its battery snap to the RB-11 battery.

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

Table 1

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 RB-11 batteries are available from OTS or your local dealer.)

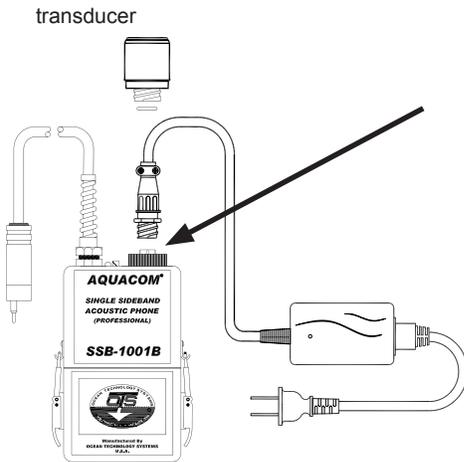
4. When the LED indicates “trickle charge” status (Table 1), charging is complete. Unplug the charger.

IMPORTANT SAFETY NOTES

1. Do not attempt to charge alkaline or other non-rechargeable batteries. Doing so may damage the batteries and/or 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 charger only with the batteries for which it was intended.

If you have any questions about the batteries with which the RCS-15 or RCS-16 should be used, contact Ocean Technology Systems.

**SSB-1001B
SSB-2010**



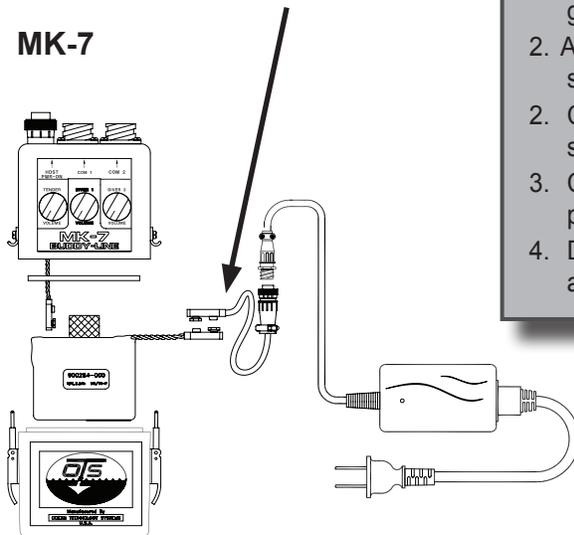
INSTRUCTIONS FOR SSB UNITS:

1. Connect the RCS-15 charger to the unit after removing and setting aside the transducer (**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, check LED on charger periodically to ensure it is fully charged.
4. Disconnect the power input cord from the AC power source and the transceiver from the charger.



Figure 2: Battery snap adapter (RCS-16 only)

MK-7



INSTRUCTIONS FOR MK-7 UNITS:

1. Locate latches on each side of the unit and release to gain access to the lower housing (battery pack area).
2. Attach battery snap adapter (see p.1) onto RCS-16, then snap the charger onto the battery pack snaps (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 to 6 hours, check LED on charger periodically to ensure it is fully charged.
4. Disconnect the power input cord from the AC power source and the transceiver from the charger.

Ocean Technology Systems • 3133 W. Harvard Street, Santa Ana, CA 92704 USA

Toll-free: (800) 550-1984 • Tel.: (714) 754-7848 • Fax: (714) 966-1639 • ots@otscomm.com • www.otscomm.com

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All users must fully understand the contents of these instructions before use of the product.