



Operation Instructions for the RCS-18 Smart Battery Charger

The RCS-18 smart charger is a universal-input, NiMH battery charger for rapid charging of the Nickel Metal Hydride batteries used in various Ocean Technology Systems (OTS) communications products such as the ComBox Silver Bullet. By following the simple instructions provided here, you should experience long-term, trouble-free use of your RCS-18 charger.

The RCS-18 charger consists of the charging module and power output cord as one unit (Fig. 1). The power output connectors are standard battery snaps. A power input cord is provided with your choice of plugs depending on the region of the world where the charger will be used.

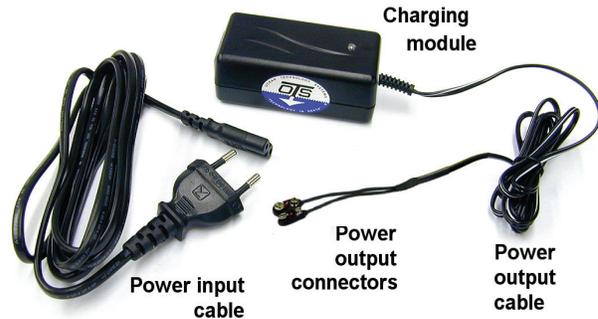


Figure 1: Charging unit and power input cord

OPERATION

1. Connect the *power output connectors* (battery snaps) (Fig. 1) to the communications unit (**charging directions are explained in further detail on the back of this page**).
2. Connect the *power input connector* to the *charging module* and the *power input plug* to the AC source.

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 batteries are available from OTS or your local dealer.)

4. When the LED indicates “standby/ready” status (Table 1), charging is complete. Unplug the charger from the AC power source and the battery or communications unit.

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 charger only with the batteries for which it was intended. If you have any questions about the batteries with which the RCS-18 should be used, contact us.

The batteries may be charged inside the ComBox (with cover removed).

The RCS-18 Smart Battery Charger has battery snaps located at the end of the wires. The front panel must be removed from the ComBox by loosening the 4 screws (see arrows below) on the panel and carefully pulling the panel cover up to gain access to the battery pack (see Figure 2). Attach the snaps as shown below, then plug the charger into any 90-260 V, 50/60 cycle power outlet. Full charge is completed in 4-6 hours.

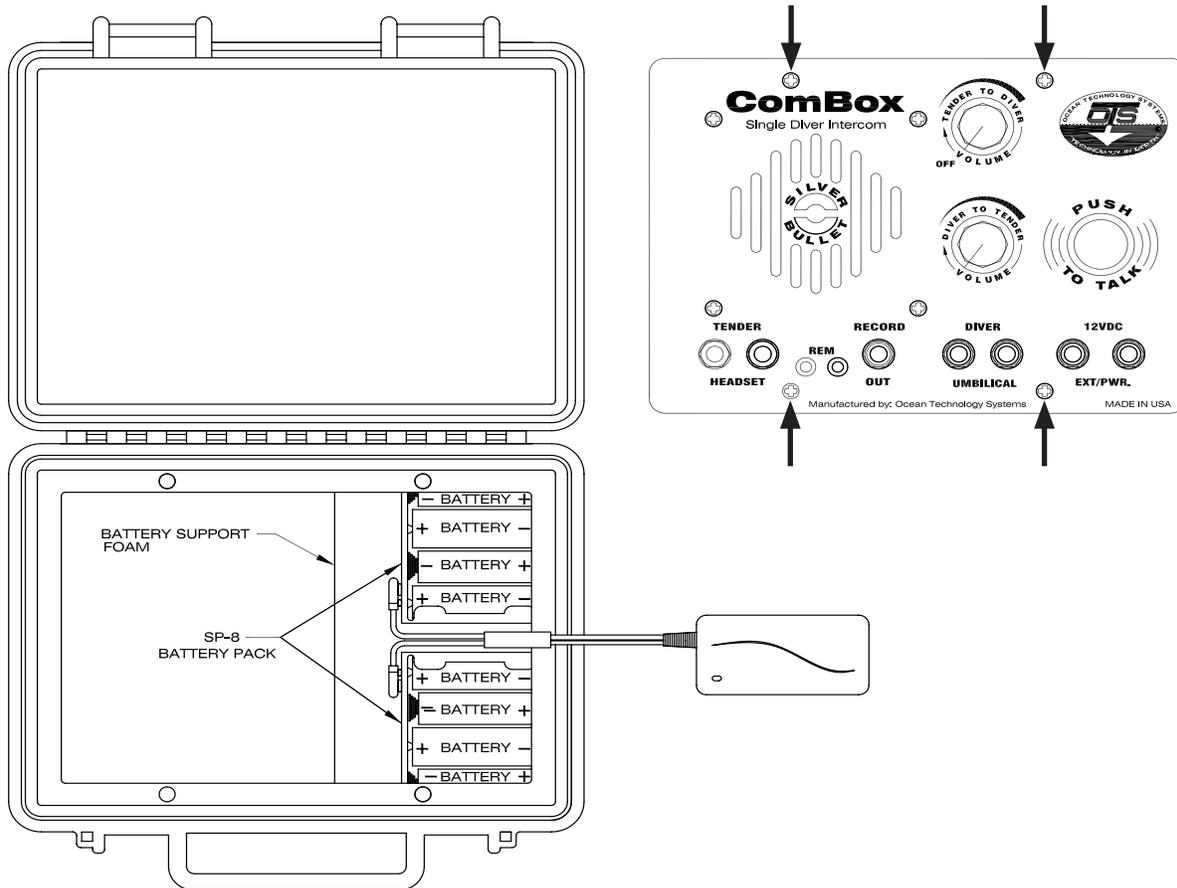


Figure 2: ComBox with cover removed and charger connected

*Note: While it has been OTS' experience that NiMH batteries rarely pose an off-gassing problem, there may be a rare exception. To be 100% safe, it is recommended that two or three panel screws be loosened during the charging process. **If this step is not followed, ensure that the front panel is not bulging or the speaker's silver dome is not pressed toward the inside surface of the panel.** This would be an indication of internal pressure.*

- Wait at least 15 minutes after charging before you apply power, to allow any built-up gas to dissipate.
- Remember to retighten the panel screws before operation.

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