

# Operating Manual for Waveband WI-80 6-Bank Conditioning Charger/Analyzer

This manual contains important safety and operating instructions for your purchase. Prior to using, read all instructions and cautionary markings on the unit, the adapter as well as the battery that will be used on the unit.

The products covered in this Operating Manual each have distinct features and capabilities unique to the particular product. Carefully read this manual prior to operating your new Waveband unit.

*! CAUTION: To reduce the risk of injury, insert ONLY rechargeable-type batteries. Other types of batteries may burst, causing personal injury and damage.*

## General Operation

1. Remove the battery from the radio and confirm that the battery chemistry of the battery matches the battery chemistry specified and labeled on the adapter cup.
2. Place the battery onto the battery adapter cup as you would onto the radio, matching the inside battery contacts (the ones that would make contact with the radio) with the contacts of the adapter cup.
3. If you are using a Motorola® IMPRES™ radio, a specially designed “drop-in” adapter cup can be used to condition and charge the battery through the outer battery contacts without having to remove the battery from the radio. Ask your Waveband sales representative for details.
4. Once the battery is inserted into the adapter cup the Amber CHARGE LED will light, indicating that the battery is being charged.
5. When the battery is fully charged, the Green READY LED will light.
6. If the Red FAULT LED lights, refer to Troubleshooting further on in this manual.
7. A Fast Flashing Amber LED indicates that a Hot or COLD battery is detected. The Waveband unit will charge the battery when the battery reaches a safe temperature.



<b>Waveband WI-80</b>	
Ni-Cd	✓
Ni-MH	✓
Li-Ion	
Li-Poly	✓
IS/FM	✓
Drop-in IMPRES™ radio with IMPRES battery	✓
Drop-in IMPRES™ radio with NON IMPRES™ battery	✓
Drop-in IMPRES™ battery alone	✓
Recondition Button	X
Pre-programmed Maintenance Cycle	X
iGAUGE	✓

8. The Waveband Analyzer is available for use with this unit as an add-on extra. It is compatible with:

- Multi chemistry batteries
- IS (Intrinsically Safe) and non-IS batteries
- Motorola® IMPRES radio batteries. Ask your Waveband sales representative for details.

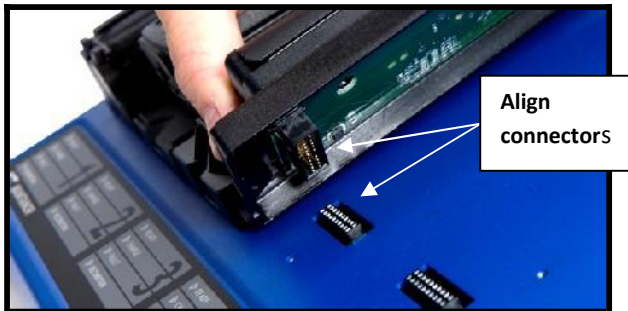
! NOTE: If the battery on the IMPRES™ radio is not an IMPRES™ battery, the unit will charge, but not recondition, the battery.

### **Installing battery adapter**

Each unit is designed for use with interchangeable battery adapters. Identify the correct adapter cup for your radio battery as well as the battery chemistry type. Ni-Cd and Ni-MH batteries can be accommodated on the same battery adapter cup and Li-Ion and Li-Poly can be accommodated on the same adapter cup.

! WARNING: The use of a battery type not specified and the use of a battery chemistry on an adapter cup not specified for that particular battery chemistry could result in personal injury and damage.

1. Align the connector of the adapter cup with one of the connectors on the unit and press the adapter cup down gently.



2. Fasten the adapter cup securely in place using the mounting screws provided.

### **Connecting power**

1. Verify that the 115V/220V switch on the side of the unit is set to the desired correct voltage



## ! CAUTION

- Always plug the power cable supplied into the unit BEFORE you plug it into a standard power outlet
- Always remove the power wall plug from the outlet BEFORE you unplug it from the unit.
- Do not operate the unit in temperatures exceeding 45° C (113°F)
- Do not operate if unit has been dropped or damaged, or if the cord has been damaged.
- Do not disassemble or attempt to repair or modify the unit. This action will automatically void your warranty and may be dangerous.

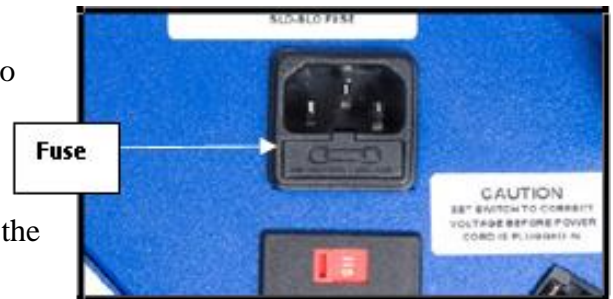
2. Place the Waveband WI-80 unit on a clean, flat, dry surface for desk-top use or on a clean dry vertical surface for wall mounting.

! NOTE: These units are suitable for indoor use ONLY.

## Troubleshooting

1. No lights when battery inserted into adapter

- Make sure that the power cable is correctly seated into unit and into AC wall outlet
- Ensure that the adapter is correctly inserted.
- Check battery voltage to determine if battery is still useful.
- Check that the fuse is intact. To check the fuse, open the fuse cover located under the power receptacle. Replace with 3A fuse ONLY



2. Unit displays constant or blinking Fault light

- Remove battery to check for visible damage of interference with the contacts.
- Ensure that the adapter is seated correctly
- Verify the battery type and/or chemistry for compatibility
- Remove and replace battery to ensure proper connection

## Specifications

**UL and CE approved**

**Input 115V/220 VAC 60 Hz**

**Max. Charge current: 700 mA – 1.5A Max. depolarization current: 800 mA Operating temperature: 0° – 45° C**

**Dimensions & Weight: 18” x 9” x 6.5” (12 Lbs)**

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