

WaveMark SmartWand SW1500 RFID/Barcode Reader

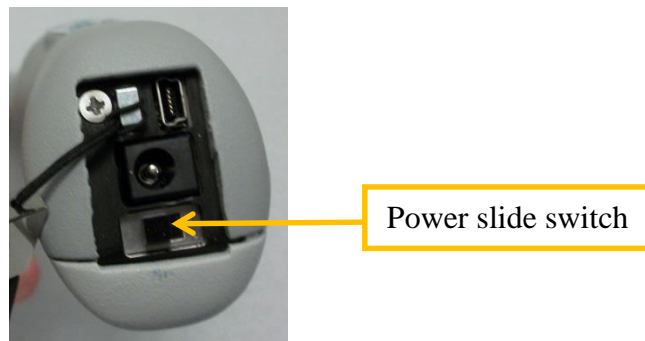
The WaveMark SmartWand SW1500 Portable RFID/Barcode Reader Kit comprises the following components:

1. WaveMark SmartWand (WaveMark 01-0029-R)
2. Power Supply/charger (WaveMark 90-0094-R)
3. International Plug kit for Power Supply (WaveMark 90-0095-R)
4. Tether strap (WaveMark 90-0096-R)
5. Software (please see your WaveMark representative for appropriate software applications)

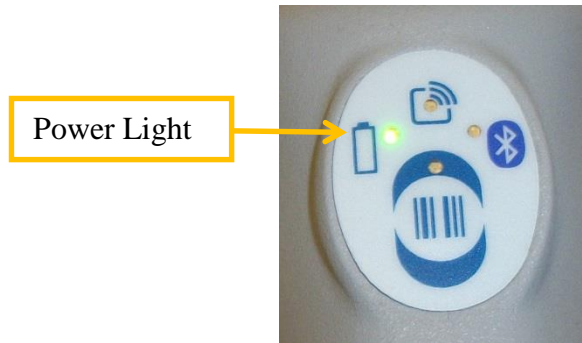


The WaveMark SmartWand is a battery-operated RFID/Barcode reader and is equipped with a rechargeable battery pack that is capable of running the reader for one 8-hour shift (50% RFID duty-cycle) on a full charge. The battery pack is based upon Lithium Ion cells, nominally 7.4VDC. The SmartWand battery pack is shipped to the customer pre-installed in the WaveMark SmartWand and is partially charged when shipped.

The WaveMark SmartWand has a power slide switch on the back.



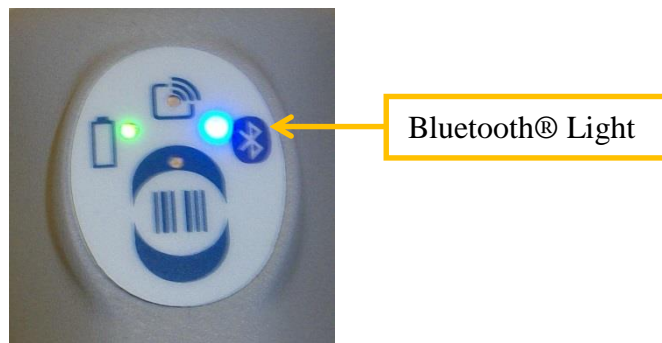
When the switch is in the left position, the WaveMark SmartWand is off. Slide the switch to the right to turn it on. A green or orange power light on the control panel will light if the device is on:



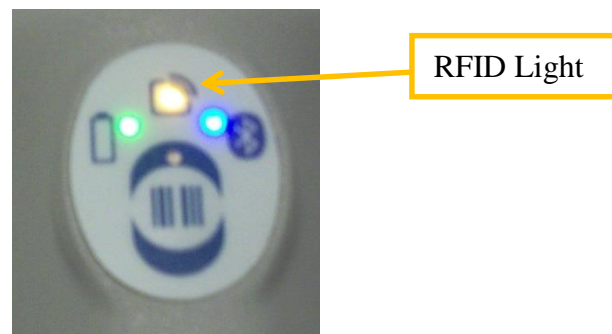
- **Steady Green power light:** WaveMark SmartWand is charged to over 50%.
- **Steady Orange power light:** WaveMark SmartWand is charged to between 20% and 50%.
- **Flashing Orange power light:** WaveMark SmartWand is operating on low charge (less than 20%).

The control panel has 3 other lights:

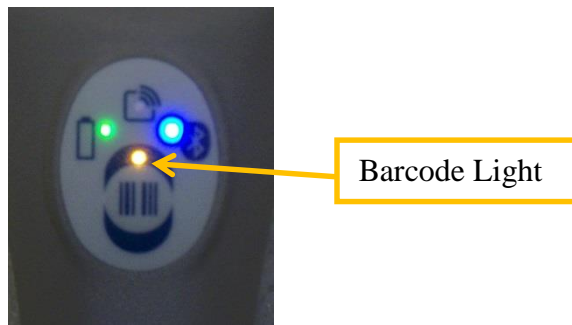
- **Bluetooth® blue light** (solid blue when device is paired to a host, brief flash when communication to host is in process).



- **Yellow RFID light** (solid yellow when RFID reader function is operational and seeking RFID tags, brief flash when RFID tags are read).



- **Yellow Barcode light (solid yellow when Barcode function is operational; in this state, the Barcode button can be used to read a Barcode. When the yellow light is not lit, this button performs no function).**



Use only the charger that is supplied with the WaveMark SmartWand (WaveMark part number 90-0094-R charger and 90-0095-R international plug kit). Select the plug that is appropriate for the electrical receptacles in your area.



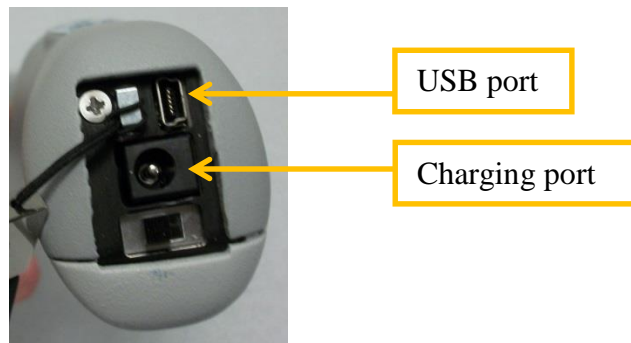
Remove Filler

Select Plug Style

Install Plug

The WaveMark SmartWand should be charged with the power slide switch in the off (left) position. When charging, the power light will be flashing green. When fully charged, the power light will be solid green. Do not use the WaveMark SmartWand to read RFID tags or Barcodes while it is charging. A full charge will take approximately 6 hours, but shorter charging cycles will provide a partial charge. It is OK to leave the charger connected to the WaveMark SmartWand for extended periods of time, as long as the power switch is “off”. The charger is a multi-stage “smart” charger designed to sense the condition of the battery and provide protection against over- and under-charging.

The WaveMark SmartWand has a USB-mini-B port adjacent to the charging port. This USB port is not currently supported for any user accessible purpose. It also will not successfully charge the battery in the WaveMark SmartWand. Do not plug a USB cable into this port.



When you are ready to use the WaveMark SmartWand to read RFID tags or Barcodes, disconnect the charger, slide the power switch to the “on” position, and follow the instructions of the Host software application that you are using.

The SmartWand battery pack is customer replaceable. This should only be necessary after approximately 300 charging cycles when the operating time is no longer sufficient. Use only battery packs that are supplied by WaveMark (part number 04-0098-R). Replacement instructions are supplied with the purchase of a spare battery.

Specifications

Length: 333 mm
Width: 115 mm
Height: 76 mm
Weight: 400 grams

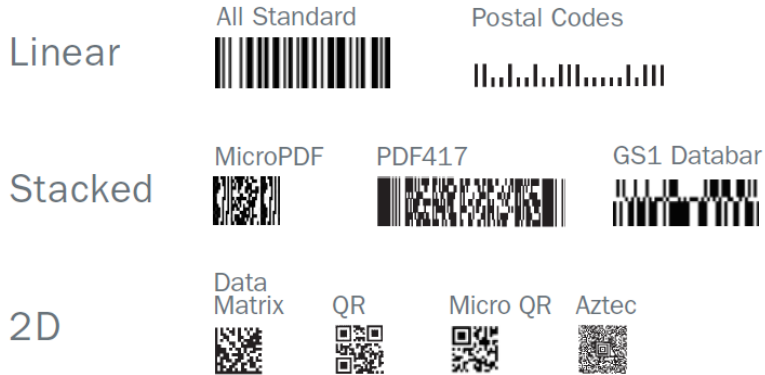
Operating Temperature Range: 0 degrees C to +40 degrees C

Charging Voltage: 12 V DC nominal
Charging Current: 0.5 A Max

RFID Tag Types Supported: HF, ISO 15693, 13.56 MHz
Maximum Read Speed: 50 RFID tags/second

Bluetooth: Smart Ready, Bluetooth® 4.0
Maximum Bluetooth Pairing Range: 50 meters

Barcode Reader: 1-D + 2-D Imager



Notice of FCC Compliance

FCC ID UQY-SW1500

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Changes or modifications not expressly approved by WaveMark, Inc. could void the user's authority to operate the equipment.

Warning! FCC Radiation Exposure Statement:

This portable equipment with its antenna complies with the FCC's RF radiation exposure limits set forth for an uncontrolled environment. To maintain compliance follow the instructions below:

- 1) This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- 2) Avoid direct contact to the antenna, or keep contact to a minimum while using this equipment.

FCC Compliance statement for Bluetooth® Radio:

This device contains FCC ID: PVH0946

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions;

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Bluetooth® QDID: B018179

Safety

This product must only be serviced by WaveMark trained service personnel.

Barcode LED Safety: EN 60825-1:1994+A1+A2 Class 1

[Add Lithium Ion battery safety notices]

Statement of Compliance

This device meets RoHS directive requirements.