

Ultra•Max[®] Hand Held Deactivator[™]



About the Unit

The Ultra•Max hand-held deactivator (HHD) is a battery-operated, rechargeable, device used to:

- Detect active Ultra•Max security labels or tags at store exits so they can be returned to the checkout counter for proper deactivation or removal
- Deactivate labels when necessary
- Audit incoming merchandise for source tagging compliance.

The deactivator works by generating a short-range field and then listening for signal from an active Ultra•Max security tag or label. Typically, it is held over merchandise near the security label. If a signal is detected, the deactivator emits a field that deactivates the tag or label.



Features

The deactivator consists of a:

- Wand
- Base charging station.

Wand

- Keypad entry for security and mode selection
- LCD display
- Red and green LEDs indicate detection, deactivation, keypad mode selection, low battery and base time out feature.
- Audio indication for detection, deactivation, keypad mode selection, low battery and base time out feature.
- HHD built in security:
 - Multiple security codes allowed via keypad on hand unit. (Administrator programmable with user privileges).
 - HHD will disable itself after set duration of time after not being placed back on to base.
 - HHD will emit warning tone and LCD message before disable will become active.
- HHD built in feature modes:
 - Manual detection / deactivation (“Greeter” mode)
 - Manual label detection with auto deactivation (search and deactivate) “Line Busters” mode
 - Manual label detection, no deactivation (Source label compliance mode)
 - Double check feature (used in manual detection auto deactivate)

- Hand unit can be belt clip mounted.
- Hand unit will have shopping cart edge mount feature for hands free use.



Base Charging Station

- Wall or desktop mountable
- Locking feature that requires a security code (on the wand) to unlock the HHD
- Communication port to program and update the HHD when docked
- 12VDC universal input power supply.



Specifications

AC power (N. America).....	120Vac, 0.5A (60Hz) Class 2
AC power (Europe)	230Vac, 0.3A (50Hz) LPS
Detection height.....	12.7–15.2cm (5–6")
Deactivation height.....	7.6cm (3")
Battery	
Type.....	Lithium Ion
Operating time.....	12 hours
Recharge time.....	15 hours max.
Weight of wand.....	0.8 kg (28 oz)
Weight of charger	0.3 kg (10 oz)

Declarations

Regulatory Compliance

EMC (wand & charger).....	47 CFR, Part 15 EN 300330 EN 300683 RSS 210
Safety (power supply).....	Certified Class 2 EN60950 LPS
Safety (wand & charger).....	EN60950

FCC COMPLIANCE: This equipment has been tested and found to comply 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.

EQUIPMENT MODIFICATION CAUTION: Equipment changes or modifications not expressly approved by Sensormatic Electronics Corporation, the party responsible for FCC compliance, could void the user's authority to operate the equipment and could create a hazardous condition.

Other Declarations

WARRANTY DISCLAIMER: Sensormatic Electronics Corporation makes no representation or warranty with respect to the contents hereof and specifically disclaims any implied warranties of merchantability or fitness for any particular purpose. Further, Sensormatic Electronics Corporation reserves the right to revise this publication and make changes from time to time in the content hereof without obligation of Sensormatic Electronics Corporation to notify any person of such revision or changes.

LIMITED RIGHTS NOTICE: For units of the Department of Defense, all documentation and manuals were developed at private expense and no part of it was developed using Government Funds. The restrictions governing the use and disclosure of technical data marked with this legend are set forth in the definition of "limited rights" in paragraph (a) (15) of the clause of DFARS 252.227.7013. Unpublished - rights reserved under the Copyright Laws of the United States.

Installing the Charger

IMPORTANT! To ensure the installation complies with all applicable codes and regulations, when you first receive the deactivator, you must install its charger by following the steps listed below. **DO NOT** leave the charger lying around.

Install the charger as follows:

1. Using the two screws provided, mount the charger vertically to any flat surface with its open end facing up (see diagram).
2. Plug the cord of the power supply into the side of the charger.
3. Plug the power supply into an AC wall outlet. The green light on the charger should light.

Charging the Wand

1. With the lights on the wand facing you, slide the handle of the wand into the tube of the charger and push down.
 - a. The top light on the charger turns red to indicate charging, which can take up to 10 hours max. When the top light turns green, the wand is fully charged. The wand should be fully charged before using it for the first time.
 - b. This product uses a nickel metal hydride battery. To maximize battery life, charge battery for 10 hours before first use.
 - c. The power supply may get slightly warm during charging (this is normal).
2. Remove the wand from the charger. The charge should last for about 5 hours.

Note: You can store the wand in the charger when not in use; however, battery life can be enhanced if you unplug the power supply when not recharging.

Using the Wand

You detect active labels and tags as follows:

1. Hold button on wand down.
2. The wand will go through an initialization routine (see below).
3. Continuing to hold the button down, move wand in a circular motion over item. If the red light on the wand glows and a steady beep occurs (with the green light remaining lit), then an active label or tag has been found.

Note: For best operator comfort, the unit is recommended for use for short periods of time only (for example, for checking a shop-ping bag or a source-tagged sample). Pro-longed repetitive use by the same employee is not recommended.

CAUTION: To avoid EAS detector false alarms, EAS deactivator false triggering, and degraded performance of detector, deactivator, and verifier, keep the wand at least 1.8m (6') from EAS transmitters (detectors and deactivators).

Initialization Routine

The wand has a button, a buzzer, and two lights (red and green). When you first press down the button, the lights and buzzer go through a sequence as follows:

- a. Red flashes once
 - b. Green flashes once
 - c. Short beep occurs
 - d. Green light glows steadily and remains on.
- The verifier is then ready to detect labels or tags.

Note: Large metal surfaces (including shopping carts) can affect detection. The red light on the wand will blink when metal is detected; in which case, move the wand at least 1m (3') away from the metal and retry. If the green light blinks, then wand needs to be recharged.

Battery Disposal

If your state or country requires that you remove the batteries for special disposal, here is how to remove them (refer to the following figure).

1. Lift the housing cover by removing two screws "A" and "B" from the housing. Use a 2mm Allen wrench to remove the screw labeled "A" and a Phillips screwdriver to remove the screw labeled "B".
2. Remove the cover by pulling it in the direction of the arrow.
3. The two batteries are mounted to a circuit board. Cut the red and black wires at one end of the board.
4. Cut the red and black wires at the other end of the board.
5. Remove the board containing the batteries and send it to the designated disposal site.

