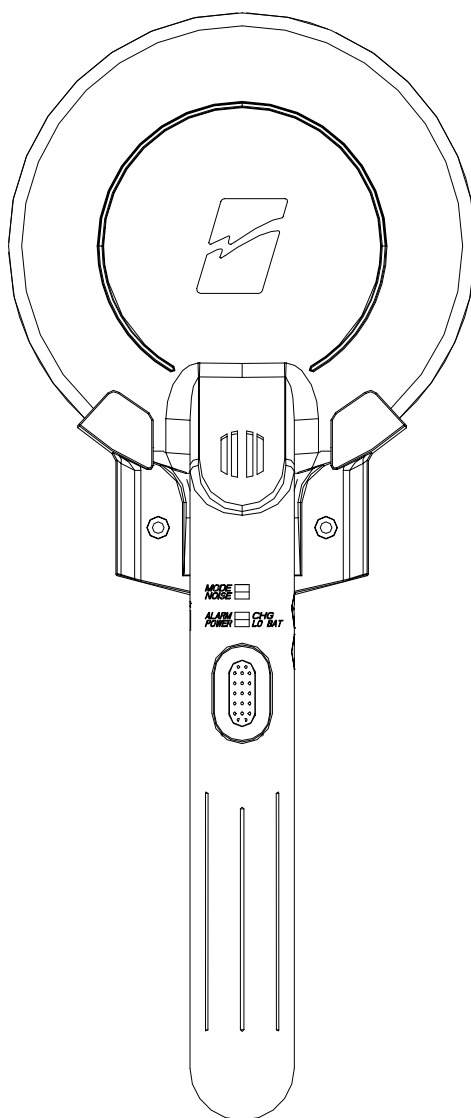




Omni Verifier User's Manual



Important Information To Our Users in North America

FCC Regulatory Compliance Statement

Checkpoint Systems, Inc., offers Electronic Article Surveillance (EAS) products that have been FCC certified or verified to 47 CFR Part 15, Subparts B / C and/or 47 CFR Part 18. Appropriately, one of the following labels will apply to the approval:

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.

- OR -

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, which may include intermittent decreases in detection and/or intermittent increases in alarm activity.

- OR -

NOTE: This equipment has been tested and found to comply with the limits for a miscellaneous type ISM device, pursuant to part 18 of the FCC Rules. 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. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio communications reception, which can be determined by turning the equipment off and on, please contact Checkpoint Systems, Inc., at 1(800) 257-5540 for further assistance.

Equipment Safety Compliance Statement

Checkpoint's Electronic Article Surveillance (EAS) products have been designed for safeness during normal use and, where applicable, certain components of the system or accessory sub-assemblies have been certified, listed, or recognized in accordance with one or more of the following safety standards; UL 1012, UL 1037, UL 1310, UL 1950, CSA C22.2 No. 205, CSA C22.2 No. 220, CSA C22.2 No. 223, CSA C22.2 No. 950. Additional approvals may be pending.

WARNING: Changes or modifications to Checkpoint's EAS equipment not expressly approved by the party responsible for assuring compliance could void the user's authority to operate the equipment in a safe or otherwise regulatory compliant manner.



101 Wolf Drive, P.O. Box 188, Thorofare, New Jersey 08086
Telephone: (800) 257-5540 • (856) 848-1800 • FAX: (856) 848-0937



Important Information To Our Users in Europe

CE Compliance Statement

Where applicable, Checkpoint Systems, Inc., offers certain Electronic Article Surveillance (EAS) products that have CE Declarations of Conformity according to R&TTE Directive 99/5/EC.

System Electromagnetic Compatibility (EMC), has been tested and notified through Spectrum Management Authorities using laboratories, whereby, conformity is declared to voluntarily accepted European Telecommunications Standards Institute (ETSI) standards EN301489-3 and EN300330-2.



NOTE: Certain Checkpoint EAS equipment has been tested and found to conform with the CE emission and immunity requirements in Europe. 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. Under unusual circumstances, interference from external sources may temporarily degrade the system performance, which may include intermittent decreases in detection and/or intermittent increases in alarm activity. However, there is no guarantee that interference will not occur in a particular installation. If this equipment experiences frequent interference from external sources or does cause harmful interference to radio communications reception, which can be determined by turning the equipment off and on, please contact a Checkpoint representative for further assistance.

Equipment Safety Compliance Statement

Checkpoint's Electronic Article Surveillance (EAS) products have been designed for safeness during normal use and, where applicable, certain components of the system or accessory sub-assemblies have been declared safe according to the European Low Voltage Directive (LVD) by being certified, listed, or recognized in accordance with one or more of the following European safety standards; EN 60950, EN 50364, EN 60742. Additional approvals may be pending.

WARNING: Changes or modifications to Checkpoint's EAS equipment not expressly approved by the party responsible for assuring compliance could void the user's authority to operate the equipment in a safe or otherwise regulatory compliant manner.



101 Wolf Drive, P.O. Box 188, Thorofare, New Jersey 08086
Telephone: (800) 257-5540 • (856) 848-1800 • FAX: (856) 848-0937



Packing List (see Figure 1)

1. Omni Verifier
2. Docking Station
3. Universal Power Supply
4. Mounting Hardware (2 screws and 2 wall anchors – shown in Figure 2)
5. Power cord (country specific - sold separately)
6. Deactivation Key (not shown - only available with the Omni Deactivation Package)

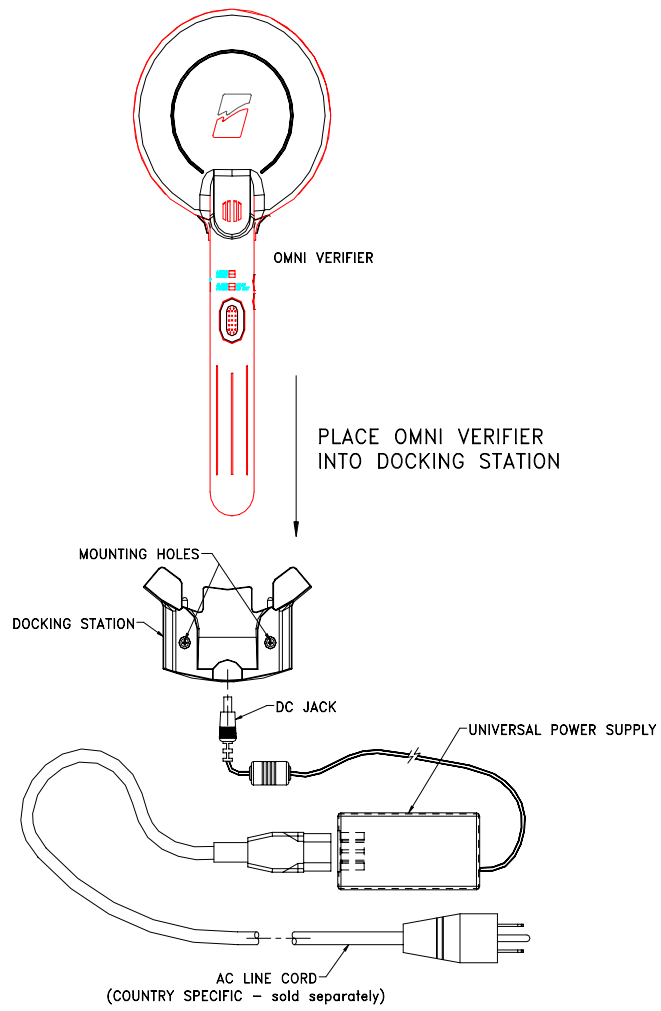


FIGURE 1

Installation of Docking Station

Select a location, which is convenient for the operational requirements on a vertical, dry wall and within easy access to an outlet.

Mount the docking station at a height, which is comfortable for all intended users.

Secure the docking station to the wall with the mounting hardware (screws and wall anchors) provided, in the orientation shown in **Figure 2**.

Connect universal power supply into AC Outlet/Mains and connect the round DC jack into the bottom of the docking station. See Figure 1. Do not allow the universal power supply to hang from the Docking Station, the DC Plug and Docking Station will separate.

OMNI VERIFIER MUST BE CHARGED IN DOCKING STATION FOR 24 HOURS BEFORE INITIAL USE.

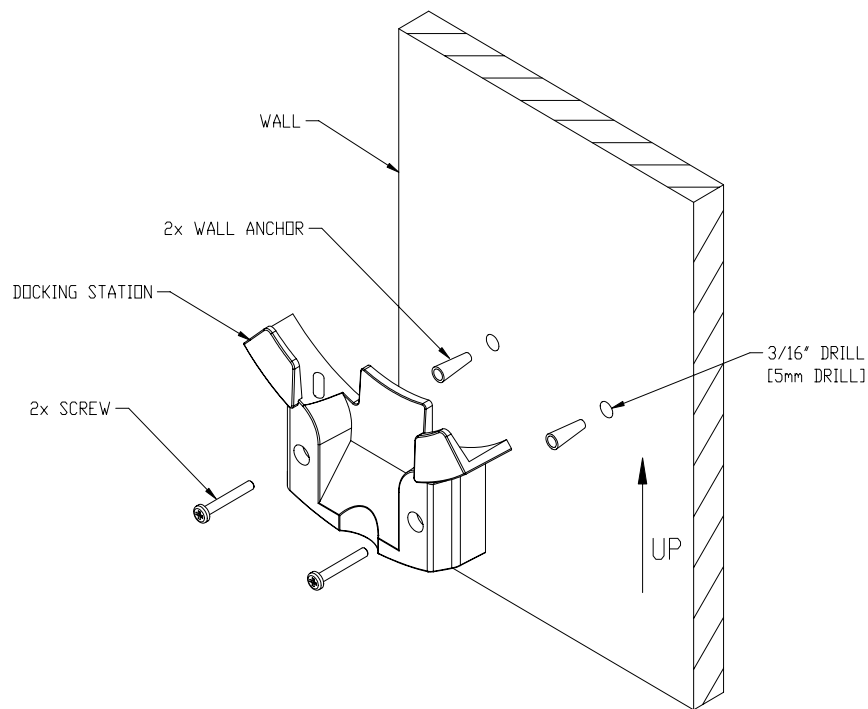
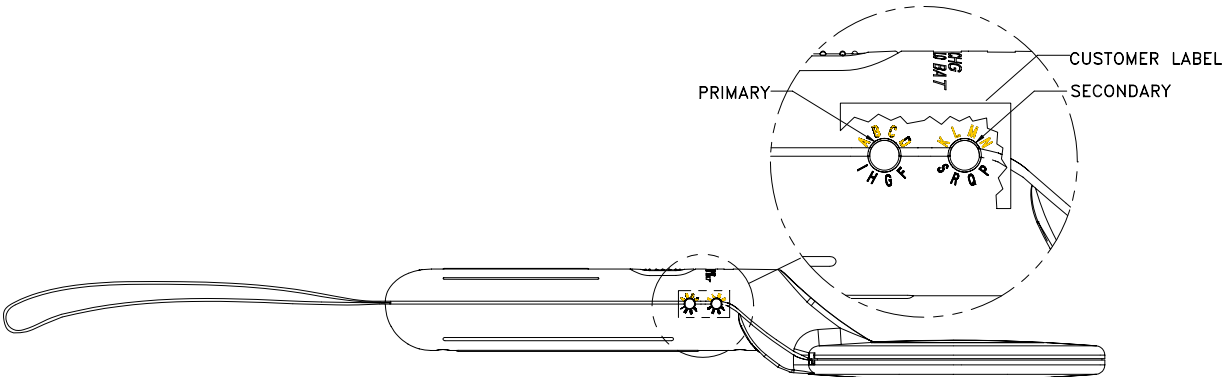


FIGURE 2

Set-Up



PLEASE REMOVE CUSTOMER LABEL IF OUTSIDE OF EUROPE!

Determine the primary tag frequency type that is used. From this information set the frequency select switches accordingly. Use a small flat blade screwdriver to set the switch position. **Figure 3** shows the location of the frequency selector rotary switches.

Figure 3

Primary Frequency Table	
Switch position	Label Frequency Type (MHz)
A	8.2 (default)
B*	7.8, 8.2, 8.6
C	7.8, 8.2 (Europe)
D*	8.2, 8.6, 9.0
	INVALID POSITION
F*	8.2, 8.6, 9.0, 9.5
G	8.2
H	8.2
I*	9.0, 9.5
	INVALID POSITION

*** Frequency cannot be used in CEPT member countries within Europe**

To help determine the primary frequency in use please cross reference the color coded sticker on the outside of each roll of labels.

Label Frequency Type (MHz)	Color code
7.9	Brown
8.2	Dark Blue
8.5	White
9.0	Purple
9.5	Green

Please note: More than one frequency may be in use. If you are still unsure, please contact Checkpoint's Support Center.

If a secondary tag frequency is required (typically not used), determine the frequency of the secondary tag, then select the following switch setting below.

Secondary Frequency Table	
Switch position	Label Frequency Type (MHz)
K*	1.8
L*	2.0
M*	2.2
N*	3.25
	secondary disabled (default)
P*	4.75
Q*	5.0
R*	5.5
S*	16.5
	secondary disabled

* Frequency can not be used in CEPT member countries within Europe

Operation

The Omni verifier is used together with the Checkpoint security system. The Omni verifier is designed to allow an operator to detect an EAS tag, verify operation of the Checkpoint Counterpoint Deactivator, and deactivate Checkpoint deactivatable security labels (available only with the Omni Deactivation package).

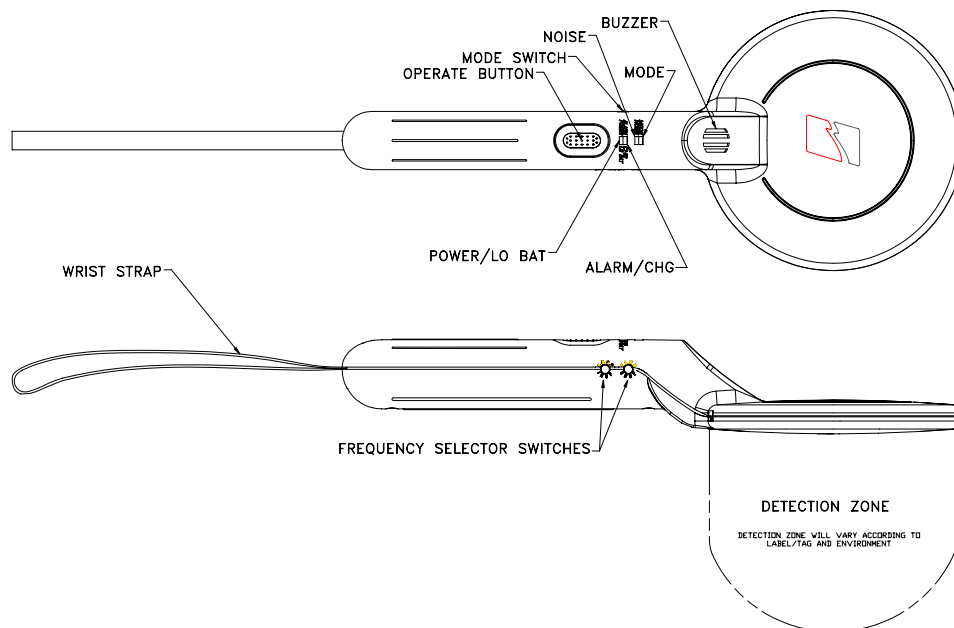


FIGURE 4

Controls (refer to Figure 4)

OPERATE BUTTON	RED button, press to operate; release when finished.
MODE SWITCH	Slide switch located on the left side of the unit. This allows the user to operate either in the PV (Portable Tag Verifier) or DV (Portable Deactivation Verifier) mode.
FREQ. SEL.SWs.	Two rotary switches located on the right side of the unit. This allows the user to select which type of tags he/she wishes to detect.

Indicators (refer to Figure 4)

MODE	The YELLOW indicator illuminates when the Omni verifier is in DV (portable deactivation verifier) mode.
NOISE	The ORANGE indicator illuminates when the Omni verifier detects a high noise environment. This indicator will only light while in the PV (portable tag verifier) mode. The detection height of a tag could be affected when this indicator is illuminated.
ALARM/CHG	The RED indicator illuminates when a tag is detected in PV mode. The RED indicator also illuminates once the Omni has determined that the Counterpoint antenna is emitting enough energy to deactivate a standard tag in DV mode. Additionally, while in the Docking Station, a blinking RED light indicates a deeply discharged battery. When the RED indicator is lit continuously, this indicates normal charging operation. After charging is complete, the RED indicator turns off.
PWR/LO BAT	The GREEN indicator illuminates continuously while the RED operate button is pressed. Additionally, this GREEN indicator will flash when the battery is low. The Omni verifier should be placed in the docking station as soon as possible.
BUZZER	Sounds when a tag is detected in PV (portable tag verifier) mode. A loud beep indicates a primary tag and softer beep indicates a secondary tag. When in the DV (portable deactivation verifier) mode, the buzzer will beep loudly when a valid Checkpoint Counterpoint deactivator is detected. When in PD (portable deactivator) mode, the buzzer will beep loudly on a label until it is deactivated (available only with the Omni Deactivation package).

If the Omni verifier detects an error condition, all the indicators (YELLOW, ORANGE, RED, and GREEN) will flash simultaneously and the buzzer will sound. The unit will not function. Selecting an invalid frequency setting usually causes this.

Portable Tag Verification (PV)

- Remove the detector from the docking station.
- Assure that the mode switch is set to PV.
- Depress and hold the red operate button. The green PWR/LO BAT indicator will illuminate, indicating normal PV operation. *Assure that the YELLOW mode indicator is not illuminated.*
- If the green PWR/LO BAT indicator flashes, then place the Omni Verifier back in its docking station.
- Slowly bring the Omni verifier toward the tag. Once the Omni is in close proximity (3” to 5” or 7 to 12 cm) to a functional tag, the buzzer will sound and the red ALARM/CHG indicator will illuminate.
- The Omni can also periodically check for tags other than those operating in the standard 8.2 MHz. These are known as secondary frequencies. Changing the rotary switches located on the side of the unit can set both the primary and secondary frequency bands. Refer to the Set-Up section.
- Replace the detector in the docking station if not to be used further.

Portable Deactivation Verifier (DV)

- Remove the detector from the docking station.
- Assure that the mode switch is set to DV.
- Depress and hold the red operate button. The green PWR/LO BAT indicator will illuminate, indicating normal operation. *Assure that the yellow MODE indicator is illuminated.*
- If the green PWR/LO BAT indicator flashes, then place the Omni Verifier back in its docking station.
- Hold the Omni about 24” (61cm) above the Counterpoint Deactivation antenna. Slowly lower the Omni towards the antenna.

Once the Omni has determined that the Counterpoint antenna is emitting enough energy to deactivate a standard tag, the buzzer will sound and the red ALARM/CHG indicator will illuminate. (Please note: The mode of operation of the Checkpoint deactivator will affect the detection height.) The portable deactivation verifier will only indicate that an appropriate deactivation signal is available. The Omni DV mode should not be used to determine the height that a label will deactivate.

- Replace the Omni in the docking station if not to be used further.

Portable Tag Deactivation (PD) (available only with the Omni Deactivation package)

- Remove the detector from the docking station.
- Assure that the mode switch is set to PV.
- To configure the Omni for Deactivator operation, a special deactivation key card will be needed. (available only with the Omni Deactivation package)
- Place the deactivation key card directly under the Omni antenna (see Figure 4), then depress and hold the red operate button. All indicators, except the green PWR/LO BAT of the Omni indicators should blink in sequence at a constant rate, indicating Portable Deactivator operation. As long as the red power button remains depressed by the operator, the Omni will deactivate tags. Once the button is released, the Omni will return to PV mode.
- Remove the deactivator key card and slowly bring the Omni toward the tag.
- If the green PWR/LO BAT indicator flashes, then place the Omni Verifier back in its docking station.
- While the tag is live, an alarm will sound and the red ALARM/CHG indicator will illuminate. Once the alarm stops the tag has been deactivated.

Note: The deactivation key card procedure must be repeated each time the Omni is powered on. To return to normal PV operation, simply power on the unit without the deactivation key card.

- Replace the Omni in the docking station if not to be used further.

Recharging Batteries

The Omni is powered by rechargeable batteries, which are not accessible to the user. A docking station and desktop power supply are supplied with each unit for recharging batteries and storage of the Omni when not in use. While using the Omni, a low battery condition is indicated by a flashing green PWR/LO BAT indicator. To recharge the unit, place the Omni in the docking station. Once in the docking station, a blinking red ALARM/CHG indicator indicates a deeply discharged battery, while a continuously lit red ALARM/CHG indicator indicates normal charging operation. After charging is complete, the red ALARM/CHG indicator will go dark, and the user is free to remove the Omni from the docking station.

Battery Replacement

When the battery appears to be giving a reduced operation time between charges, or the unit fails to operate, the battery may need to be replaced. Your Checkpoint Service Center can arrange this.

No attempt should be made to replace the battery other than by trained Checkpoint Service Personnel. The Omni Verifier contains sensitive and accurately aligned circuitry, which is easily disturbed by untrained personnel. Any attempts to open the unit will result in immediate voiding of the warranty and/or service contract.

Maintenance

Care of the Omni verifier

- Clean the verifier with a soft damp cloth.
- Return the verifier to the docking station if the green light flashes while the verifier is in use.
- Leave the verifier in the docking station when not in use.

Do Not

- Replace rechargeable battery.
- Drop the Omni Verifier.
- Clean with solvents.
- Clean with abrasive materials.
- Leave on or near a room heater.
- Immerse in water
- Leave in direct sunlight.
- Use the Omni Verifier for any purpose other than that for which it was intended.
- Attempt to open the unit. There are no user serviceable parts inside.
- Dispose or incinerate this unit without checking with your local regulations regarding rechargeable batteries.

Warranty

The warranty does not extend to any equipment that is damaged or defaced due to abnormal handling or misuse, nor to any equipment altered or modified in design, construction or repaired by anyone other than persons authorized by Checkpoint.

Specifications and Compliance

Operation Duration	Up to 8 hours of continuous operation in Portable Tag Verifier mode.		
Detection Range	PV mode: 3" - 5" (7 - 12 cm) Depending on label size and environment. See Figure 4 for approximate detection area.		
Operating/Storage Temperature	32° F – 100° F (0° C - 40° C)		
Battery	7.2V	1600mAH	Ni-MH
Docking Station Supply	100 – 240VAC 50/60 Hz		
Charging Time	4 hours		
Weight	1.2 Lbs. (0.55 kg) A wrist strap is supplied with the unit for prolonged use.		