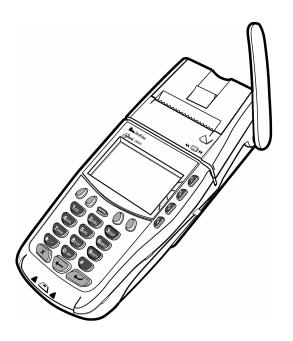


Omni 3600

Installation Guide



VeriFone Part Number 22060 Revision A

Lithium Battery Caution

The Random Access Memory (RAM) contents in Omni 3600 terminals are protected by a lithium battery. Do not, *under any circumstances*, attempt to replace this battery. Failure to comply may void the product warranty.

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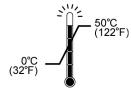
Comments or suggestions on how to improve this document can be sent to *Tell_us_more@verifone.com*.



KEEP DRY



USE NO CHEMICALS



OBSERVE OPERATING TEMPERATURE RANGE



DO NOT LEAVE IN A HOT VEHICLE

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Introduction

This guide describes how to set up and install an Omni 3600 terminal and Omni 3600 base. It also includes information on how to

- protect the terminal from adverse Environmental conditions,
- · install and maintain the Smart Battery,
- establish communications connections through the Omni 3600 Base Communications Ports, and
- connect optional peripheral devices through the Omni 3600 base Peripheral Devices.

Select a Location

This section provides tips on using and protecting your Omni 3600 terminal, and location recommendations for the Omni 3600 base.

Omni 3600 Terminal

The Omni 3600 is a portable terminal for performing transactions remotely. Since it is a portable unit, location is not a factor however, follow the rules established in the Environment and Convenience sections.

Omni 3600 Base

A prime location for the Omni 3600 base is a counter or other flat surface that provides easy access to a power outlet and phone jack. Also, follow the rules established in the Environment and Convenience sections.

Environment



WARNING Do not leave this terminal in an non-climate-controlled vehicle. The Omni 3600 terminal is highly sensitive to temperature extremes. Subjecting the terminal to temperatures outside the stated operating range can void your warranty.



- Do not use the Omni 3600 terminal or Omni 3600 base where there is moisture or high humidity, chemicals or oils, or excessive heat or dust.
- Avoid locations near electrical appliances or other devices that emit excessive voltage fluctuations or electrical noise (for example, air conditioners, electric motors, neon signs, high-frequency or magnetic security devices, or computer equipment).
- Never place the terminal in direct sunlight.



CAUTION Do not use the Omni 3600 terminal or Omni 3600 base outdoors. They are for indoor use only, and are not waterproof or dustproof. Damage to the unit from exposure to sun, rain, or dust may void your warranty.

Keep the Omni 3600 terminal and Omni 3600 base away from anything that radiates heat, such as a stove or motor.



Do *not* use the Omni 3600 terminal or Omni 3600 base near water, including a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool. Avoid using these products during electrical storms.

Convenience

Omni 3600 Terminal

Keep the Omni 3600 terminal with you to perform transactions. When plugging the Omni 3600 terminal into the power pack, ensure that the unit is placed close enough to a power outlet so that the power cable readily reaches the unit. For safety, do *not* string the power cable in a walkway or place across a walkway on the floor.

Omni 3600 Base

Locate the Omni 3600 base so that you can readily dock the Omni 3600 terminal on the cradle for recharging and downloading. Again, for safety, ensure that the power cable readily reaches the Omni 3600 base unit, so as not to trip or interfere in any way in a busy location.

Omni 3600 Terminal

This section discusses the features of the Omni 3600 terminal, including

- providing power to the Omni 3600 terminal,
- charging the smart battery,
- · installing paper,
- installing the antenna,
- installing MSAM cards, and
- completing magnetic card and smart card transactions.

Unpack the Shipping Carton

Open the shipping carton and carefully inspect the contents for possible tampering or shipping damage (Figure 1).

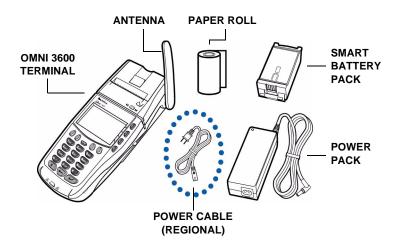


Figure 1 Omni 3600 Terminal Shipping Carton Components

- 1 Remove the following items:
 - Omni 3600 terminal
 - Power pack and power cable (Mobitex and off-line models only)
 - · Roll of thermal printer paper
 - · Battery pack
 - Antenna (if unattached; wireless models only)
- 2 Remove all plastic wrap from the Omni 3600 terminal and components.
- 3 Remove the clear protective film from the display lens.

WARNING



Do *not* use a damaged or tampered with Omni 3600 terminal or Omni 3600 base.

Terminal Features

Figure 2 illustrates the physical features of the Omni 3600 terminal.

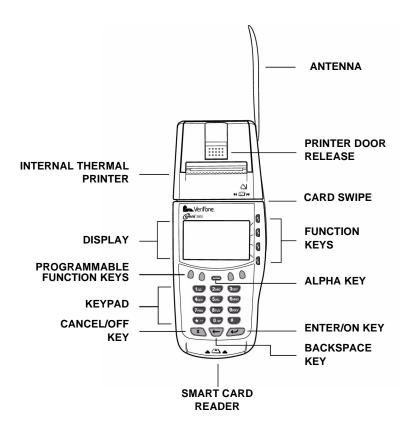


Figure 2 Omni 3600 Terminal Features

Notice the following features of the Omni 3600 terminal shown in Figure 2:

- The display
- Four types of keys:
 - A 12-key, telephone-style keypad
 - Eight function keys: four function keys, labeled F1 to F4, right of the display; four unlabeled, programmable function (PF) keys above the keypad
 - Three keys (icons at right) under the keypad (left-toright: CANCEL/OFF, BACKSPACE, ENTER/ON)



- · An ALPHA key center above the keypad
- The magnetic card swipe, above the display.
 The icon at right shows the proper swipe direction



- · Smart card reader, in the front of the unit
- The antenna. The icon at right shows the proper angle to establish good wireless communications



- The internal thermal printer and door release
- The smart battery pack installed in back of unit (Figure 4)
- A SAM (security access module) access door, underneath the battery (Figure 11). The Omni 3600 terminal contains three micromodule-sized SAM (MSAM) cardholders to support multiple stored-value card programs or other merchant cards

The Omni 3600 terminal is equipped with a tamper-evident label (on a screw hole on the case bottom).



If the tamper-evident label or any component appears damaged, immediately notify the shipping company and your VeriFone distributor or service provider.

Power Port

On the back of the Omni 3600 is one port—the *power* port—identified by the lightning bolt icon shown at right. Use this port to connect the Omni 3600 to the power pack to recharge the battery through the unit



Connect Power Pack

To connect the Omni 3600 terminal to power:

Insert the round barrel connector (Figure 3) into the power port (icon at right) on the back of the terminal.



- 2 Insert the power cable into the power pack.
- 3 Plug the power pack into a wall outlet or surge protector.



Install a power surge protector to protect against possible damage caused by lightning strikes and electrical surges.

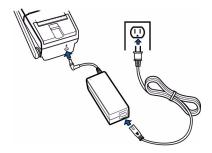


Figure 3 Connect Omni 3600 Terminal Power Pack



Do not plug the power pack into an outdoor outlet.

Smart Battery

The Omni 3600 wireless terminal uses an Li-ion *smart* battery (P/N 22044-01). The internal logic of the smart battery prevents both overcharging and undercharging (a fault condition in which the battery level goes well below the minimum acceptable charge and the battery becomes unusable).

NOTE



The smart battery pack *must* be installed to operate the Omni 3600 terminal.

The following are features of the smart battery:

- Two Li-ion cells
- · The fuel gauge module

- · monitors state of charge (voltage and current),
- communicates with the terminal (charge parameters and alarms to indicate full discharge),
- determines full charge capacity (on charge cycle and uninterrupted discharge cycle), and
- automatically shuts down when cell voltage is extremely low.
- · The safety circuit
 - prevents cell damage from overcharge/over-discharge,
 - determines when to activate when the battery is left in an unused terminal for extended periods, and

NOTE

Conserve battery power by turning the Omni 3600 terminal off when not in use. If the terminal is not to be used for several days, remove the battery from the terminal as it continues to discharge even when the terminal is turned off.

 resets when battery voltage reaches a preset threshold during the charge cycle.



It make take several attempts to reset the safety circuit when charging a smart battery that has reached a critically low charge state.

Refer to Spare Smart Battery Pack for smart battery instructions for the Omni 3600 terminal on the Omni 3600 base.

Smart Battery Installation

The smart battery installs in a slot on the back of the terminal, as shown in Figure 4. The locking tab clicks when the battery is in place. The slot is *keyed*, so that there is only one proper way to insert the battery.

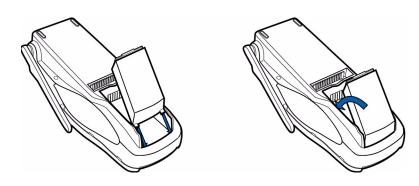


Figure 4 Install the Smart Battery

Smart Battery Charging

You must charge smart battery *prior* to initial use. After unpacking your Omni 3600 terminal, install the battery and connect the power pack to the unit. It is recommended that the battery receive a periodic full discharge.



Allow the Omni 3600 terminal to remain connected to the power pack for a minimum of 2 hours, maximum of 4 hours to ensure the battery receives a full charge.

