



BLUETOOTH MOBILE PRINTER

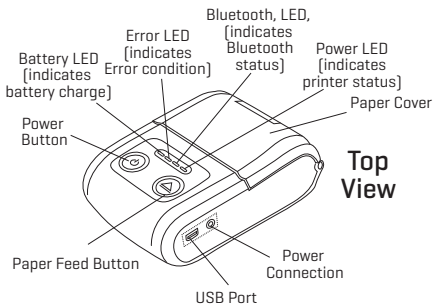


Code 5-0066

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■ EXTERNAL APPEARANCE



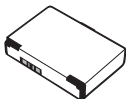
■ PRINTER SET UP

Unpacking

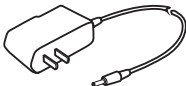
The items illustrated below are included in the package with the printer.



Paper Roll
(may be installed in printer)



Battery



Power Adapter

Selecting a Location

1. Protect the printer from excessive heat such as direct sunlight or heaters.
2. Avoid exposing the printer to excessive dust and humidity.
3. Place the printer on a firm, level surface free from vibration or shock.

Connecting the Power Adapter

This printer requires an external power supply. An approved Class 2 power supply is required for the operation of this product.

1. Make sure the power is turned off.
2. Insert the output plug of the power adapter into the printer DC jack.

3. Plug in the power adapter to an outlet.
4. Only use the supplied adapter.

Bluetooth Connection

Follow the instructions in the meter manual for using the Bluetooth Mobile Printer with the meter.

■ LOADING THE PAPER

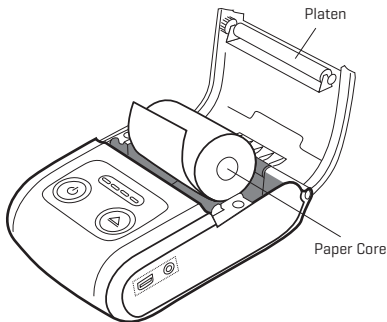
Use a paper roll that meets the specifications. Do not use paper rolls that are glued to the core. Make sure data is not being transmitted to the printer while loading paper.

1. Open the printer paper cover by gently lifting the plastic tabs located on the cover.
2. Remove the empty paper roll core.
3. Align the paper so it is straight and sits in the paper cradle correctly. The core must be parallel to the platen, not skewed, so it can roll freely.
4. Make sure the paper is curling up.
5. Unroll the paper so that the leading edge of the paper extends at least two inches beyond the printer tear bar.
6. Close the printer paper cover and make sure it snaps into place on both ends.
7. Press the FEED button to make sure the roll is properly loaded. If the paper wrinkles or

creases on the edges of the paper, load the paper again.

8. Tear off the excess paper against the serrated edge.

To replace the paper use 58 mm wide thermal paper with the same specifications in the General Specifications chart.



GENERAL SPECIFICATIONS

Print method	Thermal line printing
No. of columns	32 [Font A] and 42 [Font B]
Printing speed	70 mm/sec

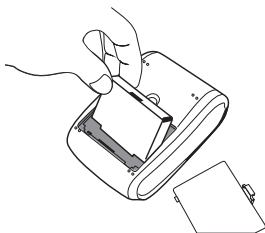
No. of dots per line	384 at 8 dots/mm resolution
Dot Size	0.125 [W] x 0.125 [H] mm
Character size [Font Size]	1.125 x 3.0 mm [9 x 24], 1.5 x 3.0 mm [12 x 24]
Font size	12 x 24 [Font A] and 9 x 24 [Font B]
Bluetooth	Bluetooth 1.1 compliant
Battery	Lithium-Ion 7.4V / 1200 mAh
Paper	Width 58 X 0.5 mm Diameter 30 mm [Max] Thickness 60~80 μ m
Max Print Width	48 mm
Power supply	9 VDC \pm 10% 2.0 A
Dimensions [mm]	85 [W] x 115 [D] x 38 [H]
Reliability [MCBF]	15 million Lines, 50 million Pulses, 50 km
Weight	205 g [0.88 lb]
Safety approvals	FCC, CE
Operating condition	-10 to 50 °C ; 20 to 85 % RH
Storage condition	-20 to 70 °C ; 5 to 95 % RH

■ BATTERY

Replacing the Battery Pack

CAUTION: The cell used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100 °C [212 °F], or incinerate.

1. Turn the printer off.
2. Turn the printer over. Open the battery lid by lifting the tab with a finger. Avoid using a sharp object.
3. Remove the battery pack
4. Insert the new battery pack. Make sure the battery contacts are aligned with the printer compression connectors. The contacts are keyed to ensure the right polarity is maintained.



5. Replace the battery cover.

Dispose of used batteries properly. Keep away from children.

CAUTION: The battery used in this device may present a fire or chemical burn hazard if not handled properly.

- Do not disassemble the battery pack.
- Do not short-circuit the battery pack terminals.
- Do not throw the used battery pack into a fire.

Charging Procedure

The printer is equipped with a lithium-ion battery pack. Although the battery pack is charged when it is shipped from the factory, the battery may have discharged. Recharge the battery pack with the appropriate AC adapter before using the printer. Turn the printer off and plug the adapter into an AC outlet and connect the cable to the printer. The battery pack takes 6-8 hours to become fully charged.

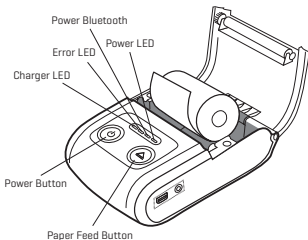
NOTES:

- Turn the printer off before charging the battery pack.

- Do not charge the pack longer than 24 hours or the batteries may deteriorate.
- The printer can be used immediately after the adapter is connected.
- The room temperature should be between 5 and 40 °C during charging.
- With the Bluetooth options, the true charge state of the battery can only be determined with the printer power turned off.


■ CONTROL PANEL

The control panel features two buttons and four LED's



POWER BUTTON: The POWER button with the  icon is located on the top of the printer. Use this

button to power the printer, or wake the printer from sleep mode. Press and hold the power button for 2 seconds to cycle the power.

FEED BUTTON: The FEED button with the  icon is located on the top of the printer. Press the button once to advance one line or 10 mm.

CHARGER LED: When the Red LED is:

- a) Off - indicates that the adapter is not plugged in
- b) Off - indicates the battery is fully charged
- c) On - indicates the battery is being charged
- d) Blinking - indicates a battery error or no battery inserted.

ERROR LED: The flashing Red LED indicates an error condition. The most common error conditions are out of paper or an open cover. The blinking pattern will vary according to the error condition.

POWER LED: The Green LED indicates that the power is ON when it is lit steadily or blinking depending on the request.

■ ERROR INDICATION

The Error LED (Red) blinks periodically depending on the error condition. The blinking pattern according to the error condition is as follows:

Blinking once:	Paper Out
Blinking twice:	Print-head open
Blinking 4 times:	Print-head over temperature
Blinking 5 times:	Battery voltage low
Blinking 7 times:	Unrecoverable error

PRODUCT WARRANTY AND NOTICES

■ STATEMENT OF LIMITED WARRANTY

OMNIPRINT warrants that your printer is free from defects in materials and workmanship and conforms to OMNIPRINT's official published specifications. The warranty period is one year commencing on its Ship Date. The date on your packing slip is the Ship Date, unless OMNIPRINT or your reseller informs you otherwise.

During the warranty period OMNIPRINT or your reseller, if authorized by OMNIPRINT, will provide warranty service and will manage and install engineering changes that apply to the printer.

If your printer does not function as warranted during the warranty period, OMNIPRINT or your reseller will repair it or replace it with one that is at least functionally equivalent, without charge. The replacement may not be new, but will be in good working condition. If OMNIPRINT or your reseller is unable to repair or replace the printer, you may

return it to your place of purchase and your money will be refunded.

If you transfer your printer to another user, warranty service is available to that user for the remainder of the warranty period. You should give your proof of purchase and this Statement to that user.

■ EXTENT OF WARRANTY

OMNIPRINT does not warrant uninterrupted or error-free operation of a printer. The warranties may be voided by misuse, accident, modification, unsuitable physical, or operating environment, improper maintenance by you, removal or alteration of printer or parts identification labels, or failure caused by a product for which OMNIPRINT is not responsible.

■ LIMITATION OF LIABILITY

Under no circumstances is OMNIPRINT liable for any of the following:

- 1) Third-party claims against you for losses or damages
- 2) Loss of, or damage to, your records or data
- 3) Special, incidental, or indirect damages [including lost profit or savings] even if OMNIPRINT or your reseller is informed of their responsibility.

■ WARNINGS

- Do not subject the printer to excessive force or shock such as treading on it, dropping it, or hitting it.
- Do not install the printer in locations with poor ventilation or in locations in which the air contains salt or toxic gases.
- Do not use the printer at a voltage other than the specified voltage or at frequencies other than the specified frequencies.
- Only power the printer with the supplied adapter and specified battery.
- Do not insert or remove the power cable by pulling on the cable.
- Do not drop or insert foreign objects like paper clips, pins, etc. into the equipment. In such case remove the object, if accessible, or contact your reseller for help.
- Do not attempt to disassemble or modify the printer. Any such unauthorized action will void the warranty and may cause a fire hazard or electric shock.
- Do not spill or spray any liquids onto the printer. In such case, immediately turn off the power, remove the power supply cable, and contact your reseller for help.

- ♦ Do not plug the printer into a receptacle and/or power-strip with too many other devices on the same circuit.

ELECTRONIC EMISSION NOTICES

■ FEDERAL COMMUNICATIONS COMMISSION (FCC) STATEMENT

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 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 instructions, 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 or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ♦ Reorient or relocate the receiving antenna.
- ♦ Increase the separation between the equipment and receiver.

- ♦ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ♦ Consult your authorized reseller or service representative for help.

Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. Proper cables and connectors are available from OMNIPRINT authorized dealers.

■ INDUSTRY CANADA CLASS A EMISSION COMPLIANCE STATEMENT

This Class A digital apparatus meets all the requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

■ EUROPEAN UNION – EMISSION DIRECTIVE

This product is in conformity with the protection requirements of EU Council Low Voltage Directive 73/23/EEC and Electromagnetic Compatibility Directive 89/336/ECC on the approximation of the

laws of the member states of the EEC Commission.

OMNIPRINT cannot accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the product.

This product has been tested and found to comply with the limits for Class A Information Technology Equipment according to CISPR 22 / European Standard EN 55022. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

■ EC DECLARATION OF CONFORMITY



Manufacturer's Name:	OMNIPRINT, Inc.
Manufacturer's Address:	1923 East Deere Ave., Santa Ana, CA 92705, USA
Type of Equipment:	Information Technology Equipment
Equipment Class:	Commercial and Light Industry
Model:	OM2100
Application of Council Directives:	89/336/EEC EMC Directive as amended by Directives 92/31/EEC 93/68/EEC 73/23/EEC Low Voltage Directive as amended by Directive 93/68/EEC
Conforms to the following Standards:	EN 55022: 1994 +A1: 1995 +A2: 1997, EN 55024: 1998, EN 61000-3-2: 2000, EN 61000-3-3: 1995, and EN60950-1:2001 Found to comply on 11, October 2004



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