



The Most Reliable Portable Printers.

VMP SERIES OF PRINTERS

User's Guide



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VMP Printer Views

Open View



Closed View



Installing the Printer

For information on installing the printer, see the *VMP Installation Guide*, which is accessible from www.oneilprinters.com.

Setting Up the Printer

The printer mounts to a wall or surface with the optional dashmount bracket assemblies. For installation instructions, refer to the instruction sheet supplied with the accessory or go to www.oneilprinters.com.

1. After mounting the printer, connect the cigarette lighter adapter cable or power cable to the connector with the white tag (Figure 1a and 1b).

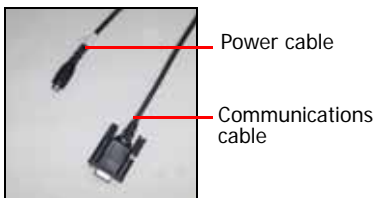


Figure 1a



Figure 1b

2. Plug the cigarette lighter adapter or power cable into your vehicle's cigarette outlet or power source.
3. If required, connect the communications cable to a host device.

Note: (For US/Canada) Please only use the O'Neil part number 220180-100 power supply with this product.

Caution: The operating temperature of this portable printer is 50° C. However, the operating temperature when used with O'Neil power supply for charging the portable printer is limited to 35° C. Please charge the printer in a suitable location that meets this temperature requirement.

Using the Ribbon

Ribbon Guidelines

In the event of a jam to or under the ribbon, replace the ribbon immediately. If the jam continues, do not remove the smear guards.

Installing the Ribbon

1. Remove the ribbon from its packaging.
2. Open the printer's cover.
3. Orient the printer so that you can access the ribbon, as shown in Figure 3.
4. Remove the orange "Open Printer" label from the locking lever (Figure 2), if applicable.
5. Slide the printhead away from the edge of the printer (Figure 3).



Open
Printer
label

Figure 2



Figure 3

6. Hold the ribbon by the flat handle (Figure 4).
7. Install the ribbon on the printhead (Figure 5). Verify the ribbon is fully installed.

8. On the ribbon, turn the knob counter-clockwise several times to fully seat the ribbon to the printhead (Figure 5)



Figure 4

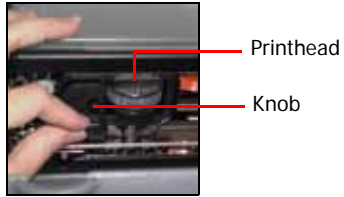


Figure 5

Removing the Ribbon

1. Slide the printhead away from the edge of the printer (Figure 6).



Figure 6

2. Pull the ribbon away from the printer (Figure 7).



Figure 7

Loading Paper

Note: Do not use paper that has glued edges or paper with carbon between the sheets; only use paper with clawed crimps.

1. Open the printer's cover to the fully open position.
2. Orient the printer so that you can access the locking lever.
3. Depress the locking lever to open the print mechanism (Figure 8).



Locking lever

Figure 8

4. Verify the center guide is centered (Figure 9).
5. Lift the two tractor feed clips (Figure 10).



Center guide

Figure 9



Figure 10

- Align the first sheet of paper on top of the open tractor feed wheel. The holes in the paper should align with the studs in the tractor feed wheel (Figure 11).

Note: Printing occurs "face up;" therefore, when you are loading paper, the white page should be facing up. If the paper has pre-printed text and/or graphics, the text and/or graphics should be upside down as it exits the printer.

- Close both tractor feed clips (Figure 12).



Figure 11



Figure 12

- Adjust the tractor feed clips so that the paper is taut.

Note: The left tractor feed is adjustable. To release the tractor feed, lift the locking lever.

- Close the print mechanism.
- Feed the paper through the paper slot on the printer's cover.
- Close the printer's cover.
- Set top of form. For more information, see *Setting Top of Form on page 8*.

Setting Top of Form

1. Press Button 1 to turn on the printer.
2. Position the paper by pressing Button 1 until the end of the paper aligns with the edge of the printer's case for easy tear off. If necessary, press Button 2 to back feed the paper.
3. Turn the printer off by pressing buttons 1 and 2 simultaneously (Figure 13).
4. Press Button 1 to turn on the printer. The top of form is automatically set.

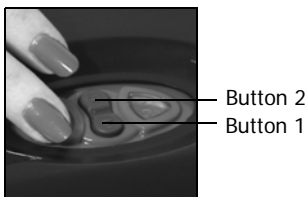


Figure 13

Tearing Paper

1. Set the paper to top of form. For more information, see *Setting Top of Form on page 8*.
2. Verify the printer's cover is closed.
3. Grab one side of the paper at a leading edge and pull up (Figure 14). Once the paper has started tearing at the perforation, finish with a swift pull upward and away.



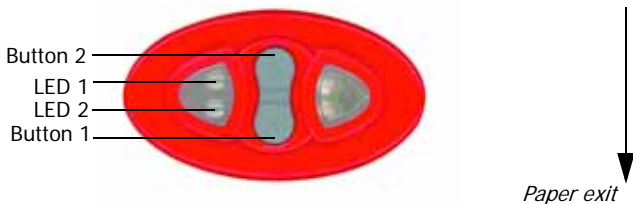
Figure 14

Configuring the Printer

The printer has many configurable settings. To configure or upgrade firmware, download the Windows configuration programs at www.oneilprinters.com.

Note: Your printer comes factory-set to center the head and skip over the perforation, to reduce jams. This feature cannot be turned off.

Using the Control Panel



LED Indicators

LED 1	Description	Action
Red flash - slow	Low temperature.	Change environment.
Red flash - fast	High temperature.	Change environment.
Orange flash - fast	Internal error.	Reset printer
LED 2	Description	Action
Green	Power on.	None.
Green flash - fast	Paper out, head jam.	Install paper, check for paper jam.
Green to orange alternating flash - fast	If a radio card is installed, indicates the radio and printer are on.	None.
Orange flash - fast	If a radio card is installed, indicates radio is on and printer is off.	None.

Audio Indicators

Beep(s)	Description	Action
Series of 50 short beeps	Head jam.	Check for paper jam. Check the ribbon.
1 short	RF power is on (when RF power button is pressed and RF power was off).	None.
1 long	Boot code is starting or restarting (occurs more than once when downloading new firmware).	Re-download firmware (only if you are not currently downloading firmware).
2 short	RF power is off (when RF power button is pressed and was on).	None.
5 double	Out of paper.	Load paper.
8	CRC firmware error.	Redownload firmware.
10	Error writing to communication controller firmware.	Disconnect power to the printer, then restart the printer* or, Perform a back door erase and re-download firmware. For more information, refer to the Programmer's manual.*
Infinite beeps/ toggle LEDs	Comm controller failure.	Disconnect power to the printer, then restart the printer.*

* If these actions do not resolve the problem, your printer may need to be serviced. For more information, contact a service center listed on the back page.

Button Functions

Function	Description
1 line feed	Press Button 1 once.
5 line feeds	Press and hold Button 1.
Form feed	Press and hold Button 1, then release.
Self-test	Press and hold Button 1 until printing starts.
Clear out of paper or head up	Press Button 1.
Stop print or pause/clear buffer	Press Button 2.
Back feed	Press Button 2.
Power on/off/TOF	Press Button 1 and 2 simultaneously.

Note: Pressing Button 1 during a form feed or during printing cancels the action.

Troubleshooting

Problem	Cause	Solution
Paper jamming	Ribbon may not be installed correctly.	Re-install ribbon.
Light print	Head gap.	Send the printer in for repair.
Infinite beeps/toggles	Comm controller failure.	Disconnect power to the printer, then restart the printer.*

* If these solutions do not resolve the problem, your printer may need to be serviced. For more information, contact a service center listed on the back page.

Agency Approvals

FCC Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, it 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 to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



Applicable Directive

- 89/336/EEC, 73/23/EEC

Applicable Standards

- EN55022 (1998)
- EN55024 (1998)
- EN60950 (1992)



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THE PRODUCT HEREWITH COMPLIES WITH THE REQUIREMENTS OF:

THE LOW-VOLTAGE DIRECTIVE 73/23/EEC.
THE EMC DIRECTIVE 89/336/EEC.

Manufacturer's Name:
O'Neil Product Development Inc.
8 Mason, Irvine, CA, 92618, USA

European Representative:
O'Neil Product Development Ltd
Witan Court 285-287, Upper Fourth Street,
Central Milton Keynes, UK MK9 1EH

Declares that the product listed below:

Product Type: ITE/Residential, Commercial, and Light Industrial
Product Name: Portable Thermal Printers
Model Number: MF8i ,VMP2000, PR2000-9000 Options: All
Beginning Serial Number: All Date Issued: November 8 2006

Conforms to the following product specifications:

Safety: EN60950-1:2001
EMC: EN 55022 : 1998 / CISPR Publication 22 : 1997, Class B Limits and Methods
EN 55024 : 1998 +A1:2001 +A2:2003 (CISPR 24) ITE - Immunity Characteristics -
Limits and Methods of Measurement
EN 61000-4-2 : 1995+A1:1998 - Electrostatic Discharge
EN 61000-4-3 : 1995 - Radiated RF Field
EN 61000-4-4 : 1995 - Electrical Fast Transients
EN 61000-4-5 : 1995 - Voltage Surge
EN 61000-4-6 : 1996 - Conducted RF Field
EN 61000-4-8 : 1993 - Magnetic Field
EN 61000-4-11 : 1994 - Voltage Dips, Short Interruptions, And Variations
EN 61000-3-2 : 2000 - Harmonic Current Emissions
EN 61000-3-3 : 1995 +A1:2001 - Voltage Fluctuation and Flicker

I, the undersigned, hereby declare that the equipment specified above conforms to the above Directives(s) and Standards(s).

Company Official: Ken Carlson

Position: Director of Electrical Engineering

Signature: Signed Copy on File

Date: November 8 2006

European Contact: O'Neil Product Development Ltd, Witan Court 285-287, Upper Fourth Street, Central Milton Keynes, UK MK9 1EH; Phone INT +44-1908-393300; Fax INT +44-1908-393400 www.oneilprinters.com

Warranty

The Company warrants that O'Neil Product Development, Inc.'s products are free from defects in manufacturing materials and workmanship for one (1) year from date of original purchase to Buyer/Distributor (OEMs 90 days from the date of purchase). Batteries, cables, power supplies, and other accessories will be warranted for ninety (90) days. O'Neil Product Development, Inc. makes no other warranties, expressed or implied, including implied warranties of merchantability and fitness of purpose. If you try to repair, disassemble, or change the product in any way, or use parts not provided by O'Neil without prior, written authorization, all warranties are void. For complete warranty and repair information, see the Warranty Card included in your original packaging.

Warranty Disclaimer

Customers are not required to purchase O'Neil supplies. However, for a warranty claim, if O'Neil determines that damage to the printhead or printer mechanism was directly caused by the use of non-certified or non-approved supplies, O'Neil reserves the right to hold the user responsible for all labor and material charges required for the repair.

Copyright

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Supplies

Use only supplies certified by the Original Equipment Manufacturer (OEM). For OEM supplies, please contact O'Neil at (949) 458-0500.

For more information

For more information about using the printer, contact O'Neil at (949) 458-0500, or visit www.oneilprinters.com.



The Most Reliable Portable Printers.

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