

VnM[®] 2 SignMaker

User Manual

Version 2.01

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SignMaker
Instant adhesive vinyl signs



Introduction

Thank you for purchasing the VnM2 SignMaker. Let your imagination run wild with the VnM2 by creating a variety of signs and labels perfect for identification, efficiency and safety.

Throughout the manual you will see Tip Sections, Troubleshoots, and important information that will make your sign and label creation experience quick and easy.

Specifications

Dimensions: 12.36" (L) x 8.39" (W) x 7.40" (H)
Operating Conditions: 5°-40° C (41°-104° F)
Storage Conditions: -40°-60° C (-40°-140° F)
Resolution: 203 DPI
AC Input: 100 - 240V Power Supply
DC Output: 24V 3.75A (external adaptor)
Print Speed: 2, 3, 4, 5, 6, or 7 inches per second
Connections: VnM Keypad, USB, LPT



Warranty

VnM2 SignMaker comes with a 3-Year Printer Warranty, 1-Year Printhead Warranty, 6-Month Cutter Warranty, and 1-Year Keypad Warranty.

Support

For support, call the VnM Service & Technical department at 800.262.7298 or your local distributor.

Out of the Box



The VnM2 SignMaker out of the box includes:

1. VnM2 SignMaker
2. VnM2 Keypad
3. VnM2 Power Supply
4. VnM2 Power Cord
5. USB Cable
6. Take-Up Core for Ink
7. VnM Media Spindle w/ 2 Guides
8. 2 VnM Ink Take-Up Spindles

Accessories

VnM2 SignMaker accessories sold separately include: Travel Case, Portable Battery Pack and VnM Label Direct Sign Software.



VnM2 Quickstart



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⚠ IMPORTANT
TURN OFF PRINTER WHEN CHANGING INK ROLLS

⚠ IMPORTANT
FOLLOW INSTRUCTIONAL DIAGRAM INSIDE PRINTER



1 TURN OFF VnM2 Sign-Maker, open the VnM2



2 Load front ink spindle with an empty take-up core



3 Load rear ink spindle with the unused portion of the ink roll



4 Pull ink from rear to the front going under the print head and up to attach to the empty take-up core



5 Tape or adhere rear ink to front take up ink spindle



6 Make sure ink spindles are as shown, note larger circular end on the right side.



7 Wind the front ink spindle to take up the slack, make sure there are no wrinkles in the ink



8 End Result: close the ink roll access cover

IMPORTANT

**HANDLE MEDIA ON THE SIDES
TO PREVENT BAD PRINTS**



1

Load VnM Media onto the media spindle, make sure the media is centered with the two guides



2

Place media spool inside the VnM2 SignMaker, the spindle will sit in between the notches inside the printer



3

Pull media to go under the white platten roller



4

Pull media as shown



5

Adjust media guide to fit the VnM Media being used and keep the media centered



6

Pull VnM Media through VnM Cutter so you can see a piece hanging out of the printer as shown



7

Push lever to close VnM top cover



8

Continue the print job by pressing the button on the top of VnM2 or start a new print by turning on the VnM2

Connecting VnM2 Keypad



1. Connect the RS232 cable (male) from the VnM Keypad to the back of the VnM2 SignMaker RS232 port (female).
2. Tighten the RS232 screws to prevent the cable from being pulled off.



Powering Up the VnM2 SignMaker



1. After connecting the VnM2 Keypad to the VnM2 SignMaker, connect the two-piece power supply.
2. Once the power supply is put together, connect the power to the VnM2 Sign-Maker as shown in the picture.
3. Plug the 3-prong plug into the electrical outlet.
4. Turn on the VnM2 SignMaker, select your template and print!



VnM2 SignMaker Templates - 1 to 5 Line Horizontal

The 1 to 5 Line Horizontal template is the most versatile template for the VnM2 SignMaker. Create anything from 1 to 5 lines of text and control the font size by selecting the appropriate media size.

The sample sign below, a), was created by first selecting the SYMBOLS1 font, second selecting the 1 to 5 Line Horizontal template, then select the media width and choosing 1 for how many lines, then typing, "/CAUTION" where the "/" on the keypad screen represents \triangle symbol.



a) 1 line template no reverse, symbols1 font

1 to 5 Line Horizontal
PRESS ENTER

ENTER MEDIA WIDTH:
PRESS 1, 2, 3 OR 4

X INCH HOW MANY LINES?
PRESS 1, 2, 3, 4 OR 5

ENTER TEXT:
/CAUTION

ENTER QUANTITY TO PRINT:
1



b) 1 line template reverse text (press Y)



c) 1 line template no reverse text (press N)

VnM2 TIPS
TO GET BACK TO THE MAIN
MENU PRESS AND HOLD
DOWN THE ALT KEY AND
EXIT BUTTON

1. Select the 1 to 5 Line Horizontal template by pressing the ENTER key on the VnM2 Keypad.
2. Enter the media width by pressing the number 1, 2, 3 or 4. Do not press enter after pressing the media size.
3. Select how many lines by pressing the numbers 1, 2, 3, 4 or 5. Do not press enter after pressing the amount of lines.
4. Enter the text/symbols for your sign and once you finished the line or sign, press the ENTER key.
5. Enter the quantity to print and press ENTER.

REVERSE TEXT?
(Y)ES OR (N)O

NOTE: If you select the 1-Line template for any media size, you will have an extra prompt that asks if you would like reverse text, press Y for yes and N for no, reverse text is sample b).

PRINT UP TO
5 LINES OF TEXT
WITHOUT THE
USE OF A COMPUTER
OR SOFTWARE!

d) 5 lines

VnM2 SignMaker Templates - 1 Line Vertical

The 1 Line Vertical template allows you to easily create a vertical text on VnM Media.

Below are sample created with the 1 Line Vertical template.



a) no reverse text



b) reverse text



c) symbols1 font



d) no reverse text

1-Line Vertical
PRESS ENTER

ENTER MEDIA WIDTH:
PRESS 1,2,3 OR 4

ENTER TEXT:
EXIT

REVERSE TEXT?
(Y)ES OR (N)O

ENTER QUANTITY TO PRINT:
1

1. Select the 1 Line Vertical template by pressing the ENTER key on the VnM2 Keypad.
2. Enter the media width by pressing the number 1, 2, 3 or 4. Do not press enter after pressing the media size.
3. Enter the text/symbols for your vertical sign and once you finished the sign, press the ENTER key.
4. Press the N key for no reverse text (a) or press the Y key to reverse the print (b).
5. Enter the quantity to print and press ENTER.

VnM2 TIPS

**IF YOU ARE USING A 4
INCH MEDIA, TRY USING A
2 INCH TEMPLATE TO GET
A SMALLER FONT**

VnM2 SignMaker Templates - 2 Line Horizontal

The 2 Line Horizontal template gives you the ability to create a label with a large font size and the second line font size being smaller.

BOILER WATER
TO BOILER #5

a) 2-Line Horizontal

2-Line Horizontal
PRESS ENTER

ENTER MEDIA WIDTH:
PRESS 1,2,3 OR 4

Enter 1st Line:
BOILER WATER

Enter 2nd Line:
TO BOILER #5

ENTER QUANTITY TO PRINT:
1

Below are sample signs created with the 2 Line Horizontal template.

LABORATORY
ROOM 602

b) 2-Line Horizontal

1. Select the 2 Line Horizontal template by pressing the ENTER key on the VnM2 Keypad.
2. Enter the media width by pressing the number 1, 2, 3 or 4. Do not press enter after pressing the media size.
3. Enter the text/symbols for your first line of text, press the ENTER key when the first line is complete.
4. Enter the text/symbols for your second line of text, press the ENTER key when the second line is complete.
5. Enter the quantity to print and press ENTER.

VnM2 TIPS
MAKE SURE YOU ARE
USING THE RIGHT PRINT
SETTING WITH THE
PROPER INK AND MEDIA

VnM2 SignMaker Templates - Header

The Header template is perfect for creating Caution, Warning, Notice and Safety labels.

a) symbols1 font, 5-Line Header



Header Template
PRESS ENTER

Select Media Size:
PRESS 2, 3, or 4

5-LINE LABEL: TOP LINE
/CAUTION

5-LINE LABEL: 1ST LINE
DO NOT STAND

5-LINE LABEL: 2ND LINE
WITHIN

5-LINE LABEL: 3RD LINE
25 FEET

5-LINE LABEL: 4TH LINE
OF MACHINERY

ENTER QUANTITY TO PRINT:
1

Left is a sample Header sign (a).

SYMBOLS1 font is selected first then choose the Header template and press ENTER. For the Header line, “/CAUTION” is shown on the keypad, press ENTER. Then enter the information for the 1st, 2nd, 3rd and 4th line.

The “/” seen on the keypad (after SYMBOLS1 font is chosen) translates to the yield symbol.

Keep in mind that if you do not need 4 lines of text to blank out the first line or any line you choose.

1. Select the Header template by pressing the ENTER key on the VnM2 Keypad.
2. Enter the media width by pressing the number 2, 3 or 4. Do not press enter after pressing the media size.
3. Enter the text/symbols for header, press the ENTER key when the first line is complete.
4. Enter the text/symbols for your first line of text, press the ENTER key when the first line is complete.
5. Enter the text/symbols for your second line of text, press the ENTER key when the second line is complete.
6. Enter the text/symbols for your third line of text, press the ENTER key when the third line is complete.
7. Enter the text/symbols for your fourth line of text, press the ENTER key when the fourth line is complete.
8. Enter the quantity to print and press ENTER.

VnM2 SignMaker Templates - Pipe Marker

The Pipe Markers Template meets ANSI/ASMI letter height standards and tape lengths. Create any custom pipe marker with the appropriate template.

FIRE SPRINKLER WATER

b) 1 x 7 INCHES

DOMESTIC CHILLED WATER

c) 3 x 24 INCHES

Pipe Markers Template
PRESS ENTER

CHOOSE LABEL WIDTH:
4 X 32 INCHES (1-LINE)

CHOOSE LABEL WIDTH:
2 X 12 INCHES (1-LINE)

CHOOSE LABEL WIDTH:
4 X 24 INCHES (1-LINE)

CHOOSE LABEL WIDTH:
1 X 7 INCHES (1-LINE)

CHOOSE LABEL WIDTH:
3 X 24 INCHES (1-LINE)

2INCH Repeat Label
PRESS ENTER

CHOOSE LABEL WIDTH:
2 X 14 INCHES (1-LINE)

1INCH Repeat Label
PRESS ENTER

ENTER TEXT:
NITROGEN

ENTER QUANTITY TO PRINT:
1

Below is a 2 x 12 pipe marker identifying the contents of the pipe as NITROGEN (a).

NITROGEN

a) 2 X 12 INCHES

DOMESTIC CHILLED WATER
DOMESTIC CHILLED WATER
DOMESTIC CHILLED WATER
DOMESTIC CHILLED WATER
DOMESTIC CHILLED WATER

d) 2INCH Repeat Label

1. Select the Pipe Markers Template by pressing the ENTER key on the VnM2 Keypad.
2. Select the corresponding Pipe Marker Template with the diameter pipe you are going to identify. Press the up and down arrow key to go through the Pipe Marker Template selections.
3. Enter the text/symbols for the marker, press the ENTER key when complete.
4. Enter the quantity to print and press ENTER.

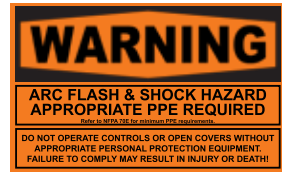
VnM2 TIPS

**IF YOU ARE NOT SURE
WHAT MARKING TEMPLATE
TO USE REFER THE VNM
PIPE MARKING GUIDE**

VnM2 SignMaker Templates - Arc Flash Template

The Arc Flash Templates meets the NEC electrical code for "Arc flash hazard warnings are required to reduce the occurrences of serious injury or death due to arcing faults

to those who work on or near energized electrical equipment."



Arc Flash Template
PRESS ENTER

Select Media Size:
PRESS 2 or 4

ENTER QUANTITY TO PRINT:
1

1. Select the Arc Flash Template by pressing the ENTER key on the VnM2 Keypad.
2. Select media size of 2" or 4" only. Press the number 2 or 4.
3. Enter the quantity to print and press ENTER.

VnM2 TIPS

TO GET BACK TO THE MAIN MENU PRESS AND HOLD DOWN THE ALT KEY AND EXIT BUTTON

VnM2 SignMaker Templates - Barcode Templates

The Barcode Template includes a basic inventory/asset and a bin/shelf barcode template utilizing the CODE39 symbology.

Below are samples of the 4 x 1 and 4 x 2 barcode templates.



a) 4 X 1 ID LABEL



b) 4 X 2 BIN LABEL

Barcode Label
PRESS ENTER

1. Select the Barcode Label template by pressing the ENTER key on the VnM2 Keypad.

SELECT LABEL TYPE: 4INCH
4 X 1 ID LABEL

SELECT LABEL TYPE: 4INCH
4 X 2 BIN/SHELF LABEL

a) 4 X 1 ID LABEL

2. Select the Barcode template by pressing the up and down arrow key.

B) 4 X 2 ID BIN/SHELF LABEL

SELECT LABEL TYPE: 4INCH
4 X 1 ID LABEL

SELECT LABEL TYPE: 4INCH
4 X 2 BIN/SHELF LABEL

PRODUCT/ASSET ID:
PRODUCT ID LABEL

BARCODE NUMBER:
487569512341

ENTER DESCRIPTION/COMPANY:
1789S412668

ENTER DESCRIPTION:
BIN/SHELF LABEL

ENTER QUANTITY TO PRINT:
1

ENTER QUANTITY TO PRINT:
1

VnM2 TIPS

**USE 2", 3" AND 4" VNM MEDIA
FOR THE BARCODE TEMPLATES
DEPENDING ON THE LENGTH
OF YOUR BARCODES**

VnM2 SignMaker Templates - Wire Wrap

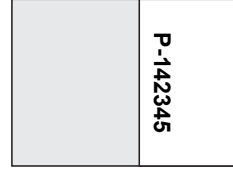
The Wire Wrap Template is an easy way of identifying wires and cables with an identification number or identifying what type of wiring you are working with.

a) 2INCH x 1INCH



Below are samples of both Wire Wrap Templates.

b) 2INCH x 1.5INCH



Wire Wrap Template
PRESS ENTER

2INCH X 1INCH
PRESS ENTER

2INCH X 1.5INCH
PRESS ENTER

ENTER TEXT:
POSITIVE

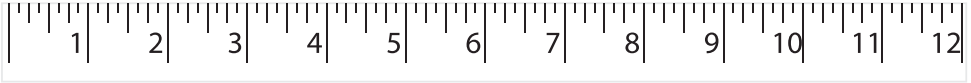
ENTER QUANTITY TO PRINT:
1

1. Select the Wire Wrap Template by pressing the ENTER key on the VnM2 Keypad.
2. Select the Wire Wrap template by pressing the up and down arrow key. Make sure you are using VnM Wire Wrap media.
3. Enter the text/symbols for the wire wrap, press the ENTER.
4. Enter the quantity to print and press ENTER.

VnM2 TIPS

**TO GET BACK TO THE MAIN
MENU PRESS AND HOLD
DOWN THE ALT KEY AND
EXIT BUTTON**

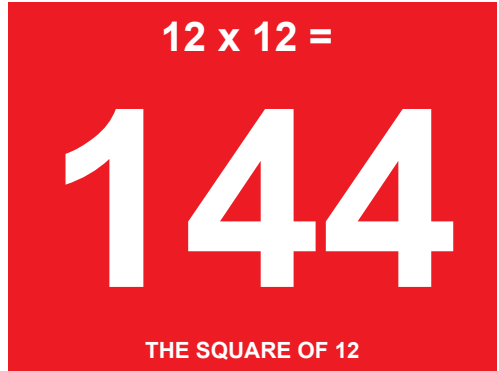
1. Ruler App



Print a 1ft., 2ft. and 3ft. ruler on the fly with the VnM2 SignMaker Ruler App. The Ruler App works with 1", 2", 3" and 4" VnM® Medias.

2. Basic Calculator App

Choose the Basic Calculator App to perform basic mathematical functions such as +, -, x, and /. Only works with two known variables. The Basic Calculator App works with 1", 2", 3" and 4" VnM® Medias.



3. Date/Time Stamp App

Print a Date/Time Stamp with a barcode to mark objects with an inspection date or date serviced. The Date/Time Stamp App works with 1", 2", 3" and 4" VnM® Medias.



4. Metric Conversion App

The Metric Conversion App will convert inches to meters or vice versa. Convert inches, centimeters, meters, miles, kilometers and yards. The Metric Conversion App works with 3" and 4" VnM® Medias.



VnM2 SignMaker Templates - Test Print Settings & Select Font

Utilize the VnM Print Settings template to change the VnM2 print settings for certain VnM Inks and Media.

VNM PRINT SETTINGS PRESS ENTER

- a) **TEST PRINT 1:
WHITE VnM INK** Optimal print setting for VnM White Ink
- b) **TEST PRINT 2:
BLACK VnM INK** Optimal print setting for VnM Black Ink
- c) **TEST PRINT 3:
FAST - WHITE VnM INK** Optimal fast print setting for VnM White ink
- d) **TEST PRINT 4:
FAST - BLACK VnM INK** Optimal fast print setting for VnM Black ink
- e) **TEST PRINT 5:
VnM1 INK 1** Print with high heat setting
- f) **TEST PRINT 6:
VnM** Manually input speed and heat settings
- g) **LOOK AT VNM MANUAL
TURN CUTTER OFF** Turn cutter off, all other setting turn on cutter
- h) **LOOK AT VNM MANUAL
BLANK CUT** Cuts VnM Media in inches to desired size

To utilize different fonts or symbols, choose the Select Font template simply by pressing the up arrow key at the main menu.

1. Press ENTER to access the fonts

SELECT FONT? PRESS ENTER

2. Choose your font by pressing ENTER

CHOOSE FONT? BOLD

CHOOSE FONT? SYMBOLS1

CHOOSE FONT? SYMBOLS2

CHOOSE FONT? NORMAL

VnM2 TIPS

TURN THE CUTTER OFF TO MIX AND MATCH VNM2 TEMPLATES. ONCE YOU HAVE THE DESIRED LOOK ACTIVATE INK SETTING TO TURN CUTTER BACK ON

VnM2 TIPS

TO GET BACK TO THE MAIN MENU PRESS AND HOLD DOWN THE ALT KEY AND EXIT BUTTON

VnM2 TIPS

USE THE BLANK CUT TEMPLATE TO CUT MEDIA TO A DESIRED LENGTH WITH NO PRINT. PERFECT FOR AISLE AND FLOOR MARKERS

VnM2 TIPS

WHEN USING A DIFFERENT COLOR VNM INK OR MEDIA USE THE VNM SETTING f) TO SET THE HEAT AND SPEED MANUALLY

VnM2 SignMaker Templates - Fonts/Symbols

When the Select Font template is selected, you can make a selection of 5 different fonts that contains symbols and different styles.

After selecting your font, use the legend below to ensure you are getting the proper symbol for your sign.

Keypad	1	2	3	4	5	6	7	8	9	0	!	@	#	\$	%	^	&	*
Normal	1	2	3	4	5	6	7	8	9	0	!	@	#	\$	%	^	&	*
Bold	1	2	3	4	5	6	7	8	9	0	!	←	#	\$	%	^	&	°
Symbols1	1	2	3	4	5	6	7	8	9	0	☠	←	♿	♻	♻	♻	&	—
Symbols2	1	2	3	4	5	6	7	8	9	0	!	↑	↑	↓	←	△	→	°
Symbols3	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	△	△	△	△	△		△	△
Utility	l	z	3	4	5	6	7	8	9	0	!	@	#	\$	%	^	&	*

NOTE: After selecting your font, keep in mind to use this font legend.

The Keypad legend is what you see for the required symbol below.

Keypad	()	-	+	€	=	/	?	;	:	'	"	.
Normal	()	-	+	€	=	/	?	;	:	'	"	.
Bold	()	-	+	↑	=	/	?	→	:	'	Ó	.
Symbols1	☺	☹	-	☺	☹	☺	☹	☺	☹	☺	☹	☺	.
Symbols2	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	.
Symbols3	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	.
Utility	()	-	+	€	=	/	?	;	:	'	"	.

Keypad	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Normal	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Bold	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Symbols1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Symbols2	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Symbols3	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺
Utility	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O

NOTE: What you see on the keypad will not show up as a symbol. ie: Symbols1 font is chosen, press SHIFT + 1 key to get △. The Keypad lcd: !

Keypad	P	Q	R	S	T	U	V	W	X	Y	Z
Normal	P	Q	R	S	T	U	V	W	X	Y	Z
Bold	P	Q	R	S	T	U	V	W	X	Y	Z
Symbols1	P	Q	R	S	T	U	V	W	X	Y	Z
Symbols2	P	Q	R	S	T	U	V	W	X	Y	Z
Symbols3	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺
Utility	P	Q	R	S	T	U	V	W	X	Y	Z

Keypad	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
Normal	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
Bold	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
Symbols1	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
Symbols2	△	△	☺	△	△	△	☺	☹	☺	☹	☺	☹	☺	☹	☺
Symbols3	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺
Utility	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o

Keypad	p	q	r	s	t	u	v	w	x	y	z
Normal	p	q	r	s	t	u	v	w	x	y	z
Bold	p	q	r	s	t	u	v	w	x	y	z
Symbols1	p	q	r	s	t	u	v	w	x	y	↓
Symbols2	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺
Symbols3	Ω	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹
Utility	p	q	r	s	t	u	v	w	x	y	z

VnM2 SignMaker Common Questions

Q: How do I get out of a VnM template?

A: Press and hold down the ALT key and press EXIT at the same time.

Q: I made a spelling mistake on a multi-line template, how do I get back to the line I made a spelling error?

A: Press and hold down the ALT key and press EXIT at the same time and choose the template again. You will have to retype your sign.

Q: I made a spelling mistake on a multi-line template, how do I get back to the line I made a spelling error?

A: Press and hold down the ALT key and press EXIT at the same time and choose the template again. You will have to retype your sign.

Q: The VnM® Ink Roll is coming out with the VnM® Media and is being cut, what do I do?

A: Tape the cut ink to the take-up core with a piece of scotch tape and wind up the slack. Turn the printer OFF and wait two seconds, then turn back ON. Print a label.

Q: The print quality is splotchy and I notice lines in the final label, what should I do?

A: Make sure you are using the right print setting with VnM® Ink Roll you are using. Also make sure the printhead is clean with the provided cleaning pen and that you have minimal skin contact with the media.