



 **BRADY**<sup>®</sup>  
[www.bradyid.com](http://www.bradyid.com)

# ***User Guide***

**BMP<sup>™</sup>21**

Instructions  
Instructies / Instruções  
Instruktionen / Instrucciones

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## Copyright

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## Trademarks

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## Brady Warranty

**Brady** products are sold with the understanding that the buyer will test them in actual use and determine for him or herself their adaptability to his/her intended uses. **Brady** warrants to the buyer that its products are free from defects in material and workmanship, but limits its obligations under this warranty to replacement of the product shown to **Brady's** satisfaction to have been defective at the time **Brady** sold it. This warranty does not extend to any persons obtaining the product from the buyer.

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## Regulatory Information

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### United States

#### ***FCC Class B Notice***

**Note:** 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, 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 a dealer or an experienced radio/television technician for help.

**Modifications:** The user is cautioned that any changes or modifications not expressly approved by Brady Corporation could void the user's authority to use the equipment.

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## Canada

### ***ICES-003 Class B Notice, Classe B***

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

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le Matériel Brouilleur du Canada

## EUROPE

**Warning** – This is a Class B product. This product has been tested and found to comply with the limits for Class B Information Technology Equipment according to the CISPR 22 / European Standard EN 55022. The limits for Class B equipment were derived for typical residential environments to provide reasonable protection against interference with licensed communication devices.

### ***Waste Electrical and Electronic Equipment Directive***

In accordance with the European WEEE Directive, this device needs to be recycled in accordance with local regulations.



### ***Batteries Directive 2006/66/EC***

Users of batteries must not dispose of batteries as unsorted municipal waste. This Directive determines the framework for the return and recycling of used batteries and accumulators that are to be collected separately and recycled at end of life. Please dispose of batteries according to your local regulations.

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## Product Registration

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Register on-line at [www.bradyid.com](http://www.bradyid.com).

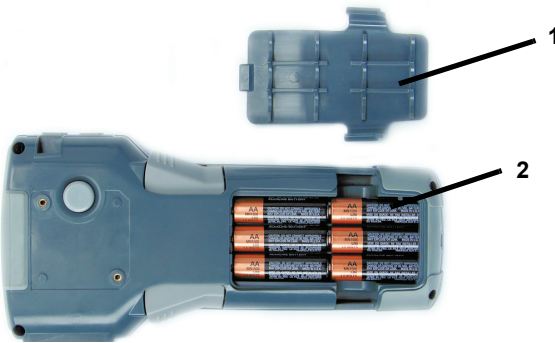
## Power

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You can use the **BMP™21** with batteries or an optional AC power supply.

### Batteries

1. Remove the battery cover from the battery compartment, located on the back of the unit.
2. Insert six AA alkaline batteries. See inside the battery compartment for the battery-positioning grid.
3. Close battery compartment.



#### Brady AC Adapters:

BMP21-AC: North America/Asia  
BMP21-AC-EUR: Europe  
BMP21-AC-UK: United Kingdom  
BMP21-AC-AR: Argentina  
BMP21-AC-BR: Brazil

### A/C Power

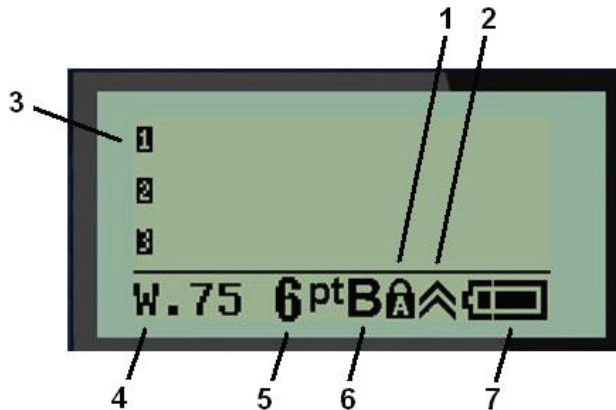
1. Plug in *optional* A/C Power Supply into the power connection located on the upper left side of the printer. **IMPORTANT:** Use **ONLY** the 9 VDC, 3.3A, **Brady** AC Adapter for supplying power to the **BMP™21**.
2. Plug the opposite end into the wall outlet.

## Display Description

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When the power button is pressed, the main screen displays the following:

- 1** Caps Lock
- 2** Function Indicator
- 3** Text Lines
- 4** Label Type
- 5** Font Size
- 6** Bold
- 7** Battery Life Indicator



## Change Label Cartridge

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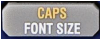

1. Slide the **Locking Lever (1)** down to unlock.
2. On the back of the unit, push the **Release Button (2)**.
3. Remove the old cartridge.
4. Insert the new cartridge and push solidly into place.
5. Slide the **Locking Lever** up to lock.

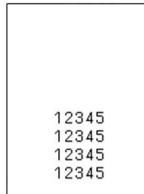


## Create Labels

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### Creating Wire Labels

1. Press **Power** .
2. Press **Label Type**. .
3. Select *Wire*, then press **Enter** .
4. Select **.75" (16-10AWG)**, then press **Enter** .
5. Press **Font Size** , select **6pt.**, then press **Enter** .
6. Type: **12345**.
7. Press **Print**.




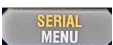



8. Press the two side buttons together, or individually, to cut the label.





9. Clear text from the screen: Press  + .

## Creating Serialized Label in Banner Landscape




1. Press **Label Type**. 
2. Select *Banner Landscape* and press **Enter** .
3. Enter: **12345**, then press .
4. Select *Serial*  and **Increment By 01**.
5. Press ▼ to **End**, then ► arrow until the screen reads: **12347**.  
- or -  
Type: **347**.
6. Press ▼ to **Copies** then ► until the screen reads **02**.  
- or -  
Type: **2** and press **Enter** .
7. Press **Print**.
8. Either **Cut** or **Print** the 2<sup>nd</sup> thru 6<sup>th</sup> label.

12345	12345	12346	12346	12347	12347
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9. Clear text from the screen: Press  + .

## Creating Terminal Block Labels\*







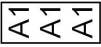
\*Use part numbers M21-375-499 or M21-500-499 when performing this procedure.

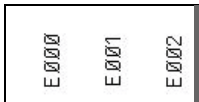
1. Press **Label Type**. 
2. Select *Terminal Block* and press **Enter** .
3. Press  until screen reads: **Spacing = .2"**.



---

**Note:** Press  to the flashing cursor and enter the desired spacing.

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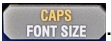


4. Press  to **Serial**, then  until the screen reads: **On**.
5. Press  to **# of Terminations**, then  until the screen reads: **3**  
- or - Type: **3**.
6. Press  to **Rotation** then  until the picture displays a vertical legend .
7. Press **Enter**.
8. Type: **E000**.
9. Press **Print**.




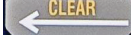
10. Clear text from the screen: Press  + .

## Creating Fixed-Length label with Autosize








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1. Press **Label Type**. 
2. Select **Fixed Length** and press **Enter**  .
3. Select **Fixed: 2.0"** and press **Enter**  .
4. Press **Font Size**  .
5. Select **Auto** and press **Enter**  .
6. Type: **12345**.
7. Press **Enter**  and type: **WM12**.
8. Press **Print**.



<b>12345</b> <b>WM12</b>
-----------------------------

9. Clear text from the screen: Press  +  .

## Creating a Barcode Label

1. Install a  $\frac{3}{4}$ " label size in the printer.
2. Press **Label Type**. 
3. Select *Banner Landscape*.
4. Press *Font Size* and select **20 pt** and press **Enter**  .
5. Enter: **AA**
6. Press  , then select **Barcode**.
7. Press **Enter**  .  
- or -  
Press  + 2.
8. Select **Code 39** and press **Enter**  .
9. In the box, type: **12345** (the box indicates text that will appear in barcode format)
10. Press  to exit the barcode box, then type: **BB**
11. Press: **Print**






12. Clear text from the screen: Press  +  .




## Creating a Patch Panel\* Label









\*Use part numbers M21-375-499 or M21-500-499 when performing this procedure.

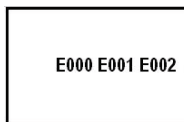
1. Press **Label Type**. 
2. Select *Patch Panel* and press **Enter** .
3. Press  until screen reads: **Spacing = .2"**.



---

**Note:** Press  to the flashing cursor and enter the desired spacing.

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4. Press  to **Serial**, then  until the screen reads: **On**.
5. Press  to **# of Ports**, then  until the screen reads: **3**  
- or -  
Type: **3**
6. Press  to **Rotation**, then  until the pictures displays a horizontal legend .
7. Press **Enter** .
8. Type: **E000**.
9. Press **Print**.




10. Clear text from the screen: Press  + .

## Creating Terminal Block Labels without Serialization\*











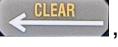
\*Use part numbers M21-375-499 or M21-500-499 when performing this procedure.

1. Press **Label Type** .
2. Select *Terminal Block* and press **Enter** .
3. Press  until screen reads: **Spacing = .2"**.



---

**Note:** Press  to the flashing cursor and enter the desired spacing.





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4. Press  to **Serial**, then  until the screen reads: **OFF**.
5. Press  to **# of Terminations**, until the screen reads: **3** or Type: **3**.
6. Press  to **Rotations**, then  until the pictures displays a vertical legend .
7. Press **Enter** .
8. Type: **E000**, then press **Print**.
9. Press  + , then type: **B1B2**.
10. Press **Print**
11. Press  + , then type: **45TS**
12. Press **Print**
13. Cut the label.






14. Clear text from the screen: Press  + .

## Creating Symbols Labels



1. Press **Label Type**. .
2. Select *Banner Landscape*, then press **Enter** .
3. Press , then select *Symbols*.
4. Press **Enter** .

- or -

Press  +1

5. Select the symbol , then press **Enter** .
6. Type: **CAUTION**, then press **Print**.






7. Clear text from the screen: Press  + .

## File Management

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### Saving and Opening Files





#### *To save a file:*

1. With the last label still in your editor, press , then select **File** and press **Enter** .
2. Select **Save**, then press **Enter** .





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**Note:** You can save labels to 12 locations. If a name is next to the number, a label is currently being stored in that location.

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3. Move your cursor to a number where you want the label saved, then press **Enter** .
4. Type the label file name: **ONE**, then press **Enter** .
5. Press  +  to clear the display.

#### *To open a saved label:*







1. Press , then select **File**.
2. Press **Enter** , then select **Open**.
3. Press **Enter** .
4. Move the cursor to the number and name of the saved label.
5. Press **Enter** . Your file is displayed on the screen.

## Replacing a Label File











*To replace a file previously saved:*

1. Press  +  to clear your editor.
2. Press , then select **Symbol**.  
**- or -**  
Press  + .
3. Select any symbol and **Enter** .
4. Type: **SAMPLE**
5. Press , then select **File**.
6. Press **Enter** .
7. Select **Save**, the press **Enter** .
8. Move the cursor to the number and name of your last saved label, then press **Enter** .
9. When prompted to replace the file, select **Yes**.
10. Type the label file name: **NEW**, then press **Enter** .
11. Press  +  to clear the display.

## Deleting a Label File

1. Press  +  to clear your editor.
2. Press .
3. Select **File**, then press **Enter** .
4. Select **Delete**, then press **Enter** .
5. Move the cursor to the number and name of the saved label and press **Enter** .
6. When prompted to delete the file, select **Yes**. Your file is deleted and will not longer display in the list.





## Saving and Opening a Serialization File

1. Press **Label Type** .
2. Select **Banner Landscape**, then press **Enter** .
3. Type: **12345**, then press .
4. Select **Serial** and **Increment By 01**.
5. Press  to **End**, then  arrow until the screen reads: **12347**.  
- or -  
Type: **347**.
6. Press  to **Copies**, then  arrow until the screen reads: **02**.
7. Press **Enter** .
8. Press  and select **File**.
9. Select **Save** and press **Enter** .

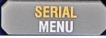



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**Note:** You can save labels to 12 locations. If a name is next to the number, a label is currently being stored in that location.

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10. Move your cursor to a number where you want the serialization label saved, then press **Enter** .
11. Type the label file name: **SERIAL**, then press **Enter** .
12. Press **Print**.
13. When your serialization file is printed, press  +  to clear the display.

***To open a saved serialization file:***




1. Press , then select **File**.
2. Press **Enter** , then select **Open**.
3. Press **Enter** .
4. Move the cursor to the number and name of the saved label.
5. Press **Enter** . The first label in the serialization file is displayed on the screen.






## Setup

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### Setting Up Multiple Prints

1. With legend on the screen, press  + **Print** .
2. Change number of copies to: **02**
3. Press **Enter** .

### Changing Unit of Measure





1. Press , then select **Units**.
2. Press **Enter** .
3. Select either **Inches** or **Millimeters**, then press **Enter** .

### Changing the Language

1. Press , then select **Language**.
2. Press **Enter** .
3. Select one of the six languages, then press **Enter** .

## Changing International Characters

Use this procedure to enter an international character on your screen.

1. Press , then select **International**.
2. Press **Enter** .  
- or -  
Press  + .
3. Use the arrow keys to choose the international character you want.

---

**Note:** To jump directly to a letter in the list of international characters, you can also enter the letter you are looking for. In the bottom left of the display is a character code. This code is the letter and location number of the character. To jump directly to the desired character, you can also enter the letter and location number.

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4. Press **Enter** .

## Toggling the Backlight

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**Note:** The backlight will automatically turn off when the printer shuts off.

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### *To turn the backlight on:*


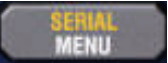
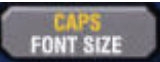



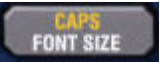
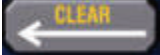
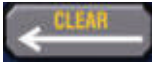


1. Press .
2. Press .





### *To turn the backlight off:*

1. Press .
2. Press .

## Keypad Descriptions

The following table describes the keypad key, option and a description of each.

Option	Key	Description
Label Type		Includes: Banner Landscape, Wire, Terminal Block, Patch Panel, Fixed Length, Banner Portrait.
Menu		Includes: Symbols, International Characters, Barcode, File, Language and Units.
Font Size		Includes: Auto, 6, 9, 14, 20, 28, 40 (Bold available in each size.)
Function		FUNCTION provides access to the yellow designated menu options on the keyboard.
Backlight		FUNCTION + SPACE key.
Barcode		In Menu or FUNCTION + 2.
CAPS Lock		FUNCTION + FONT SIZE.
Clear		FUNCTION + CLEAR key. (Clears whole legend.)
Delete		Deletes text and exits menu screens.
Enter		The Enter key works to accept choices with menus and to add additional lines to text.
Feed		FUNCTION + LABEL TYPE.

Option	Key	Description
International		In Menu or FUNCTION + 6.
Multi-Print		FUNCTION + PRINT.
Serial		FUNCTION + MENU (Serializes based on cursor location. Allows for increment and copies.)
Symbols		In Menu or FUNCTION +1.

## Cartridge Selection Guide

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<b>Application</b>	<b>Nylon</b>	<b>Outdoor Vinyl</b>	<b>Perma-Sleeve</b>	<b>Polyester</b>	<b>Self Lam Vinyl</b>
Smooth Surfaces	X	X		X	
Textured Surface	X	X			
Cable and Wire	X		X		X
Highly Textured Surfaces	X				
Terminal Blocks	X				
Patch Panel	X				
General ID	X	X		X	







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