



BLUETOOTH MOBILE PRINTER



Code 5-0067

Before First Use

1. **Insert the Batteries** – The four rechargeable NiMH batteries have been removed for shipping. Remove the battery cover from the base of the printer and insert the batteries. Ensure the batteries are inserted correctly by using the illustration guide inside the battery compartment.
2. **Charge the Printer** – charge the printer for 16 hours using the 9V center negative charger to ensure optimum battery capacity and life.
3. **Check the Paper** – make sure that the leading edge of the thermal paper roll emerges from the printer over the tear bar. The paper should feed from the bottom front face of the roll.

Using the BLE Printer with LaMotte Meters

The BLE Mobile Printer can be used with the SMART 3 BLE family of LaMotte meters, the SMART 3 BT family of LaMotte meters, and the Spin Touch®. It cannot be used with LaMotte SMART 3 meters prior to the BT family of meters.

The meter family identity can be found in three places:

- **The splash screen when the meter is powered on. Meters in the BLE family will have “BLE” as part of the meter name that is shown on the splash screen. The family identity of a meter with a splash screen that does not show BLE or BT can be identified by one of the following methods.**
- **The firmware version number that is visible on the bottom left corner of the display when the meter is powered on. The firmware version number for a BLE meter will start with a 3 or 4. The firmware version number for a BT meter will start with a 2.**
- **The label on the bottom of the meter.**

The Bluetooth Pairing procedure and the Printer Setup procedure are different for the SMART 3 BLE family of meters and the SMART 3 BT family of meters.

SMART 3 BLE METER FAMILY

Pairing Procedure

The Bluetooth Pairing option for the BLE series of meters is Option 1. The default setting when the printer is received is Option 1 and no changes are required. If the printer has been changed to Option 2 it must be reset to Option 1.

1. Ensure the printer is OFF.
2. Press and hold the Mode button while powering the printer ON. After about five seconds, the Status light will flash five times to show that the printer is in configuration mode. Release the Mode button.
3. Press the Mode button four times to select Option 4.
4. After a short delay, the Status light will flash four times to indicate that Option 4 is selected. If you have made a mistake at this stage, simply wait. After a delay, the printer will power-on without changing any options.
5. To proceed with configuration, press the Mode button once to select Option 1.
6. After a short delay, the Status light will flash once to show that Option 1 has been selected.
7. After a further delay, the printer will power-on with the new setting.

Printer Setup Procedure

1. From the Setup Menu press  or  to scroll to Bluetooth Menu.
2. Press  to select Bluetooth Menu.
3. Press  or  to scroll to Bluetooth Power.
4. Press  to select Bluetooth Power.
5. Press  or  to scroll to Enable Bluetooth.
6. Press  to select Enable Bluetooth.
7. Press  or  to scroll to Bluetooth Mode.
8. Press  to select Bluetooth Mode.
9. Press  or  to scroll to BT Printer.
10. Press  to select BT Printer. The meter is now ready to connect with a Bluetooth printer. When the meter is available for the Bluetooth connection the Bluetooth printer icon next to the battery icon will flash.
11. Turn on the Bluetooth printer. Within a few seconds it will connect to the meter. If the Bluetooth printer connection to the meter is successful, the Bluetooth printer icon will remain on and no longer flash.

SMART 3 BT METER FAMILY

Pairing Procedure

The Bluetooth Pairing option for the BT series of meters is Option 2. The default setting when the printer is received is Option 1 so the option selection must be changed to Option 2 when the printer is received.

1. Ensure the printer is OFF.
2. Press and hold the Mode button while powering the printer ON. After about five seconds, the Status light will flash five times to show that the printer is in configuration mode. Release the Mode button.
3. Press the Mode button four times to select Option 4.
4. After a short delay, the Status light will flash four times to indicate that Option 4 is selected. If you have made a mistake at this stage, simply wait. After a delay, the printer will power-on without changing any options.
5. To proceed with configuration, press the Mode button twice to select Option 2.
6. After a short delay, the Status light will flash twice to show that Option 2 has been selected.
7. After a further delay, the printer will power-on with the new setting.

Printer Setup Procedure

1. From the Editing Menu press  or  to scroll to Bluetooth Menu.
2. Press  to select Bluetooth Menu.
3. Press  or  to scroll to Bluetooth Power.
4. Press  to select Bluetooth Power.
5. Press  or  to scroll to Enable Bluetooth.
6. Press  to select Enable Bluetooth.
7. Press  or  to scroll to Bluetooth Mode.
8. Press  to select Bluetooth Mode.
9. Press  or  to scroll to BT Printer.
10. Press  to select BT Printer. The meter is now ready to connect with a Bluetooth printer. When the meter is available for the Bluetooth connection the Bluetooth printer icon next to the battery icon will flash.
11. Turn on the Bluetooth printer.
12. Press  or  to scroll to Bluetooth Scan.
13. Press  to select Bluetooth Scan. The meter will begin scanning. A count-down timer will begin counting down from 11 seconds. The Bluetooth printer address will be displayed.

14. Press **ENTER** to select the Bluetooth printer.
15. Within a few seconds the printer will connect to the meter and print a pairing confirmation message.



Spin Touch Meter

The meter must have Bluetooth version 2.07 or greater. To determine what version of Bluetooth is in the meter, go to Settings > Other Settings > About... To update the Bluetooth contact LaMotte Company by calling 1-800-344-3100 or 1-410-778-3100, ext. 3.

Pairing Procedure

The Bluetooth Pairing option for the Spin Touch meters is Option 1. The default setting when the printer is received is Option 1 and no changes are required. If the printer has been changed to Option 2 it must be reset to Option 1.

1. Ensure the printer is OFF.
2. Press and hold the Mode button while powering the printer ON. After about five seconds, the Status light will flash five times to show that the printer is in configuration mode. Release the Mode button.
3. Press the Mode button four times to select Option 4.
4. After a short delay, the Status light will flash four times to indicate that Option 4 is selected. If you have made a mistake at this stage, simply wait. After a delay, the printer will power-on without changing any options.
5. To proceed with configuration, press the Mode button once to select Option 1.
6. After a short delay, the Status light will flash once to show that Option 1 has been selected.
7. After a further delay, the printer will power-on with the new setting.

Printer Setup Procedure

Bluetooth Enabled and Fast Printer Connect must be selected to transfer and print test results.

1. Tap  to enter the SETTINGS menu.
2. Tap Bluetooth.
3. Select Bluetooth Enabled and Fast Printer Connect.

Printing

- **When the Status indicator is off, the printer is off. Briefly press the Mode button to turn the printer on. The Status indicator will illuminate, and the printer mechanism will reset.**
- **When removing a printout from the printer, pull the printout toward the front of the printer and tear from one side to the other across the serrated edge.**
- **Briefly press the Mode button to turn the printer off.**

Replacing the Paper Roll

1. Open the paper cup lid by pulling the central lever upwards and forwards from its locked position. To avoid damage do not use excessive force.
2. Remove the spool and any remaining paper.
3. Reel off a few inches from a new roll of paper. Hold approximately 2 inches of paper outside the printer. Place the new roll into the paper reservoir with the paper feeding from the bottom front of the roll with the leading edge over the tear bar.
4. Close the lid by applying equal amounts of pressure on each side of the paper cup lid until the lid is in the locked position.

Thermal Paper Specifications:

Width 58 X 0.5 mm

Diameter 48 mm [Max]

Thickness 60-80 μm

Charging the Batteries

- **When the printer is received there may be little or no charge in batteries. The printer should be turned off, connected to the charger, and allowed to charge for 16 hours before the first use.**
- **The printer can remain permanently connected to the MPS power adapter to trickle charge the batteries.**
- **To fast charge the batteries, the printer must be off.**
- **The charger cannot supply the full power requirements for the printer during printing, so the batteries must be partially charged before printing is possible.**
- **It is recommended to connect the printer to the charger and recharge the batteries as soon as the Status LED indicates low battery.**
- **If the batteries become exhausted, printing will become faint, erratic, or not possible at all. Turn off the printer and recharge the batteries for at least 15 minutes before attempting further printing.**
- **The printer incorporates a low-power mode. The printer will not enter the low power mode if the charger is attached.**

Bluetooth Connection

Bluetooth Low Energy (BLE) is enabled by default.

Troubleshooting

Self Test

The self test procedure will check most of the printer functions, except for the serial interface, i.e.: printer mechanism, control circuitry, firmware version and print quality.

1. Turn the printer off.
2. Press and hold the Mode button for approximately 2 seconds.
3. Release the button. The printer will power on and print a self-test report.

LED Status Indicators

The LED indicators will report the condition of the printer. If there is a fault, the LED indicators will flash in sequence. The fault can be identified by counting the number of flashes.

LED Indication	Condition	Solution
On	Printer On	-
Off	Printer Off	-
Short flash every second	Fast Charging	-
* * *	Paper out	Replace paper
** ** **	Thermal head too hot	Allow head to cool
*** *** ***	Dead battery [no charge remaining]	Recharge battery
**** **** ****	Battery low [20% charge remaining]	Recharge battery

Out of Paper

The printer will automatically detect when the printer paper has run out, and report this using the Status LED. Use the Mode button to feed through the last few inches of paper and insert a new roll.

Thermal Head Overheated

After extensive printing, the print head temperature may rise to an unusable level. The Status LED will indicate when this occurs. Printing will be suspended until the head temperature returns to normal levels.

Disposal

At the end of its working life the printer should be disposed of in accordance with The Waste Electrical and Electronic Regulations [“the WEEE Regulations], if in use within the EU, and in accordance with national requirements in other countries.

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