

BENTSAI BT-HH6205BL

BENTSAI BT-HH6205BL Handheld Inkjet Printer User Manual

Model: BT-HH6205BL

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, setup, maintenance, and troubleshooting of your BENTSAI BT-HH6205BL Handheld Inkjet Printer. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

The BENTSAI BT-HH6205BL is a versatile handheld inkjet printer designed for various coding and marking applications. It features a long-lasting battery, photoelectric sensing mode for assembly line integration, and supports printing on diverse surfaces.



Figure 2.1: BENTSAI BT-HH6205BL Handheld Inkjet Printer.

Key Features:

- **Extended Operation Time:** Over 16 hours of continuous operation due to advanced motherboard technology.
- **Assembly Line Integration:** Equipped with sensitive photoelectric sensors and photoelectric printing mode for automatic printing on moving items.
- **Adjustable and Versatile Printing:** Print height settings from 0.03 inch (0.8mm) to 1/2 inch (12.7mm), supporting up to 5 lines of text. Capable of imprinting batch numbers, QR codes, UPC barcodes, dates, text, logos, pictures,

and variable data.

- **Wide Material Compatibility:** Prints on wood, carton boxes, plastic, polyethylene, metal, pipe, aluminum foil, cable, wire, and concrete.
- **Portable and Ergonomic Design:** Weighs only 410g, features a 4.3-inch HD capacitive touchscreen, and an ergonomic handle to reduce hand fatigue.
- **Enhanced Stability:** Features 5 built-in rollers for smoother, more stable, and precise printing compared to standard 3-roller designs.



Figure 2.2: The BENTSAI BT-HH6205BL All-Inclusive Kit, including the printer, ink cartridge, user manual, stylus pen, USB flash disk, sensor, charger, metal positioner, and roller guide.

16+ Hours Long Endurance

16H



Figure 2.3: The BENTSAI BT-HH6205BL printer highlighting its 16+ hours of long endurance for continuous operation.

5-Wheel Support

More stable & Smoother



Figure 2.4: The BENTSAI BT-HH6205BL printer demonstrating its 5-wheel support system for enhanced stability and smoother printing.

Lighter • Thinner • Smaller



Figure 2.5: The BENTSAL BT-HH6205BL printer emphasizing its lightweight (410g) and ergonomic grip for reduced fatigue.

3. SETUP

3.1 Unboxing and Initial Inspection

Carefully unpack all components from the aluminum case. Verify that all items listed in the "All-Inclusive Kit" (Figure 2.2) are present and undamaged. If any items are missing or damaged, contact customer support.

3.2 Ink Cartridge Installation

1. Open the ink cartridge compartment cover on the printer.
2. Remove the protective clip from the ink cartridge.
3. Insert the ink cartridge into the compartment, ensuring it is seated correctly.
4. Close the compartment cover until it clicks into place.

Refer to the application demo video for a visual guide on ink cartridge installation.

3.3 Charging the Device

Connect the charger to the printer's charging port and plug it into a power outlet. The battery indicator on the screen will show charging status. Ensure the device is fully charged before first use for optimal battery life.

3.4 Attaching the Roller Guide

For stable and precise printing, especially on uneven surfaces, attach the roller guide to the bottom of the printer. Align the guide with the designated slots and secure it firmly.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Press and hold the power button to turn the printer on or off. The 4.3-inch HD capacitive touchscreen will illuminate upon startup.

4.2 Navigating the User Interface

Use the touchscreen and stylus pen to navigate through the menus. The main screen provides options for creating new print content, editing existing content, and accessing settings.

4.3 Creating and Editing Print Content

1. Select "Edit" or "New" from the main menu.
2. Choose the type of content to print: Text, QR Code, Barcode, Date, Logo, or Picture.
3. Input or select the desired content using the on-screen keyboard or by importing files via USB.
4. Adjust parameters such as font size, style, print height (0.8mm to 12.7mm), and line count (up to 5 lines).
5. Preview the content on the screen to ensure accuracy.



Print Height 0.5 Inch

Print height range of 0.8~12.7mm



300/600 DPI

High Resolution & Standout Printout

Figure 4.1: Adjustable print height range from 0.8mm to 12.7mm and high resolution (300/600 DPI) capabilities of the BENTSAI BT-HH6205BL.

4.4 Printing Modes

The BT-HH6205BL supports two primary printing modes:

- **Handheld Mode:** Manually roll the printer across the surface to be printed. Ensure a steady and consistent motion for best results.
- **Photoelectric Sensing Mode (Assembly Line Integration):** Connect the photoelectric sensor to the printer. When an item passes the sensor on an assembly line, the printer will automatically trigger and print the pre-configured content. This mode significantly enhances efficiency for continuous production.



Figure 4.2: The BENTSAI BT-HH6205BL handheld printer integrated into an assembly line using its photoelectric sensing mode for automatic printing.

4.5 Printing on Various Surfaces

The printer is designed to work on a wide array of materials. For optimal print quality, ensure the surface is clean and dry. Adjust the print height and speed as needed for different textures and absorption rates.

Print **QR code, barcode, date, number, logo, trademark, etc**

✓ Paper

✓ Wood

✓ Glass

✓ Metal

✓ Plastic

✓ Cement

✓ Fabrics

✓ Leather



✓ Clear

✓ Wear Resistant

✓ Waterproof

✓ Strong Adhesion



Figure 4.3: Examples of the BENTSAI BT-HH6205BL printing QR codes, barcodes, dates, and logos on various surfaces including paper, wood, plastic, metal, glass, cement, fabrics, and leather.

4.6 Application Demo Video

Watch the official application demo video for a comprehensive visual guide on unboxing, setup, and various printing applications of the BENTSAI BT-HH6205BL printer.

Video 4.1: BENTSAI BT-HH6205BL/6210B/BL Inkjet Printer Application Demo. This video demonstrates the unboxing, ink cartridge installation, and various printing applications on different materials and in assembly line settings.

5. MAINTENANCE

5.1 Ink Cartridge Replacement

When the ink level is low or the print quality deteriorates, replace the ink cartridge. Follow the installation steps in Section 3.2 in reverse to remove the old cartridge, then insert a new one.

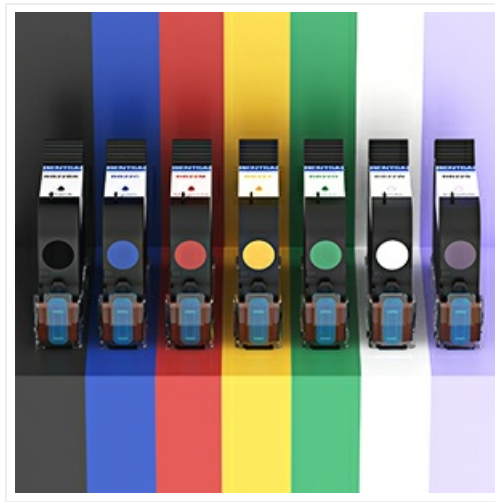


Figure 5.1: BENTSAL offers ink cartridges in 7 different colors for various printing needs.

5.2 Cleaning the Print Head

If print quality issues persist, the print head may need cleaning. Use a lint-free cloth lightly dampened with isopropyl alcohol to gently wipe the print head surface. Avoid touching the nozzle directly with your fingers.

5.3 Storage

Store the printer in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, ensure the ink cartridge is properly sealed with its protective clip to prevent drying.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your BENTSAL BT-HH6205BL printer.

Problem	Possible Cause	Solution
Poor Print Quality (faded, streaky)	Low ink, clogged print head, incorrect print settings, unsuitable surface.	Replace ink cartridge, clean print head (Section 5.2), adjust print density/speed, ensure surface is clean and dry.
Printer Not Powering On	Low battery, faulty charger, power button issue.	Charge the printer, try a different power outlet/charger, contact support if issue persists.
Print Content Not Appearing Correctly	Incorrect content loaded, print height too high/low, print speed mismatch.	Verify loaded content, adjust print height (Section 4.3), ensure consistent printing speed.
Photoelectric Sensor Not Triggering	Sensor not connected, sensor misaligned, sensor dirty, incorrect settings.	Check sensor connection, adjust sensor position, clean sensor lens, verify photoelectric mode is enabled in settings.

7. SPECIFICATIONS

The following table outlines the technical specifications for the BENTSAL BT-HH6205BL Handheld Inkjet Printer:

Feature	Detail
Model Name	BT-HH6205BL

Feature	Detail
Product Dimensions	20D x 5W x 13H Centimetres (20 x 5 x 13 cm)
Weight	410g (Printer only); 2 kg (Product with packaging)
Printing Technology	Handheld Inkjet Printer
Print Height Range	0.8mm - 12.7mm (0.03 inch - 0.5 inch)
Resolution	300 dpi / 600 dpi (Maximum Print Resolution Black and White: 300 dpi; Maximum Copy Resolution Black and White: 600 dpi)
Printer Output	Monochrome
Max Print Speed (Monochrome)	30 pages per minute
Connectivity Technology	USB (1 Total USB Port)
Special Features	Display Screen, Lightweight, Portable, Photoelectric Sensing Mode
Battery	1 Lithium Ion battery (included)
Ink Color	Black (BB22B Fast Dry Black Ink Cartridge included)
Country of Origin	China

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The BENTSAI BT-HH6205BL Handheld Inkjet Printer comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact BENTSAI customer support.

Manufacturer Contact Information:

2/F, Block B, Factory Building 1, 115 Huawei Road, Xiangzhou District, Zhuhai, China

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How do I calibrate the touch screen function for the BENTSAI Handheld Inkjet Printer Model BT-HH6205B?

While the provided manual for the BENTSAI BT-HH6205B series does not explicitly list a step-by-step "calibration" menu path, these devices typically use a standard capacitive touchscreen that does not require frequent calibration. If you...

[Read full answer](#)

How do I calibrate the touch screen function for the BENTSAI Handheld Inkjet Printer Model BT-HH6205B?

While the standard user manual for the BENTSAI BT-HH6205B series describes the use of the 4.3-inch capacitive touchscreen, it does not explicitly list a "calibration" menu option in the basic operating instructions. Capacitive screens...

[Read full answer](#)