GAINSCHA iSH58

GAINSCHA iSH58 58mm Thermal Receipt Printer User Manual

Model: iSH58

1. INTRODUCTION

Thank you for choosing the GAINSCHA iSH58 58mm Thermal Receipt Printer. This compact and versatile printer is designed for various point-of-sale (POS) environments, including retail shops, restaurants, and other businesses requiring efficient receipt printing. It offers both Bluetooth and USB connectivity for flexible integration with Android, iOS, and Windows devices.

Image 1.1: The GAINSCHA iSH58 58mm Mini Desktop Receipt Printer, showcasing its compact design.

Image 1.2: The GAINSCHA iSH58 Thermal Receipt Printer, suitable for restaurant kitchens, retail shops, and other business applications.

2. PRODUCT OVERVIEW

2.1 Package Contents

- GAINSCHA iSH58 Thermal Receipt Printer
- Power Adapter
- USB Cable
- Thermal Paper Roll (starter)
- User Manual

2.2 Printer Components

Image 2.1: Rear view of the GAINSCHA iSH58 printer, highlighting the On/Off Switch, Power Port, Cash Drawer Port, and USB Port.

- **Power Button:** Turns the printer on or off.
- **Power Indicator:** Illuminates when the printer is powered on.
- **Error Indicator:** Flashes or illuminates to indicate an error condition (e.g., paper out, cover open).
- **Paper Indicator:** Illuminates when paper is present, flashes when paper is low.
- **Feed Button:** Advances the paper manually.
- **On/Off Switch:** Main power switch located at the rear.
- **Power Port:** Connects to the power adapter.
- **Cash Drawer Port:** Connects to a compatible cash drawer.
- **USB Port:** Connects the printer to a computer via USB cable.

3. Setup

3.1 Unpacking

Carefully remove all components from the packaging. Ensure all items listed in Section 2.1 are present and undamaged.

Retain the packaging for future transport or storage.

3.2 Loading Thermal Paper

Image 3.1: The GAINSCHA iSH58 printer with an open paper compartment, showing the compatible 57mm (2 1/4 inch) thermal paper roll with a maximum diameter of 60mm.

1. Open the printer cover by pressing the release button or lifting the cover latch.
2. Insert a 58mm (2 1/4 inch) thermal paper roll into the compartment, ensuring the paper feeds from the bottom of the roll towards the front of the printer. The maximum roll diameter is 60mm.
3. Pull a small amount of paper out past the cutting edge.
4. Close the printer cover firmly until it clicks into place.

3.3 Connecting Power

1. Ensure the printer's On/Off switch (located at the rear) is in the OFF position.
2. Connect the power adapter to the Power Port on the rear of the printer.
3. Plug the power adapter into a suitable electrical outlet.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

- To power on: Flip the On/Off switch at the rear to the ON position. The Power indicator light will illuminate.
- To power off: Flip the On/Off switch at the rear to the OFF position.

4.2 Self-Test Page

The self-test page prints the printer's current settings and configuration, which can be useful for troubleshooting.

1. Ensure the printer is powered off and paper is loaded.
2. Press and hold the **FEED** button.
3. While holding the **FEED** button, turn on the printer using the On/Off switch.
4. Continue holding the **FEED** button until the **ERROR** LED turns off, then release the **FEED** button.
5. The self-test page will print, displaying the printer's default and current settings.

4.3 Bluetooth Connection (Android & iOS)

The GAINSCHA iSH58 supports wireless Bluetooth connectivity with Android and iOS devices.

Wireless Bluetooth Connection

Support Android, iOS devices
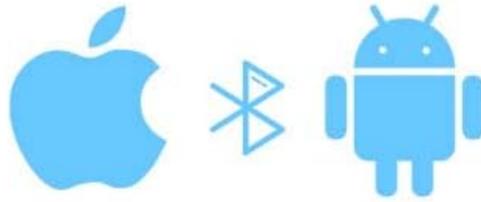## Android & iOS SDK, Demo App available

Image 4.1: The GAINSCHA iSH58 printer demonstrating wireless Bluetooth connection capabilities with both Android and iOS devices.

1. Ensure the printer is powered on.
2. On your Android or iOS device, go to **Settings** > **Bluetooth** and turn Bluetooth ON.
3. Search for available devices. The printer will typically appear as "iSH58" or a similar name.
4. Select the printer to pair. If prompted for a PIN, enter **0000** or **1234** (default PINs).
5. Once paired, you can use a compatible POS application or the GAINSCHA demo app to print.

Image 4.2: The GAINSCHA iSH58 printer, compatible with Android devices for easy Bluetooth setup.

Image 4.3: The GAINSCHA iSH58 printer, compatible with iOS devices for easy Bluetooth setup.

4.4 USB Connection (Windows PC)

The printer can be connected to a Windows PC via USB for direct printing.

Image 4.4: The GAINSCHA iSH58 printer demonstrating compatibility with Windows PCs, mobile phones, and tablets.

1. Ensure the printer is powered on.

2. Connect the USB cable from the printer's USB Port to an available USB port on your Windows PC.

3. Install the printer driver. You can download the latest driver from the official GAINSCHA website or use the provided QR code for a download page: GAINSCHA Driver Download.

4. Follow the on-screen instructions to complete the driver installation.

5. After installation, verify the correct USB port (e.g., USB001/USB002) in the printer properties. If the Windows self-test page prints correctly, the driver is installed successfully.

Image 4.5: QR code for downloading the Gainscha application and drivers. Scan this code to access the download page.

4.5 Cash Drawer Connection

The printer includes a port for connecting a compatible cash drawer.

1. Ensure the printer is powered off.
2. Connect the cash drawer's cable to the Cash Drawer Port on the rear of the printer.
3. The cash drawer will typically open automatically when a print command is sent from your POS software.

5. MAINTENANCE

5.1 Cleaning the Printer Head

Regular cleaning of the thermal print head ensures optimal print quality and extends printer life.

- Turn off the printer and disconnect the power cable.
- Open the printer cover.
- Use a cotton swab lightly dampened with isopropyl alcohol to gently wipe the thermal print head.
- Allow the print head to dry completely before closing the cover and reconnecting power.

5.2 General Cleaning

Wipe the exterior of the printer with a soft, damp cloth. Do not use abrasive cleaners or solvents.

6. TROUBLESHOOTING

6.1 Printer Not Responding

- Ensure the power cable is securely connected and the printer is powered on.
- Check the On/Off switch at the rear of the printer.
- Verify that the correct interface (Bluetooth or USB) is selected and properly configured on your device.
- Perform a self-test (Section 4.2) to confirm basic printer functionality.

6.2 Poor Print Quality

- Ensure you are using high-quality thermal paper.
- Clean the thermal print head (Section 5.1).
- Check the paper roll for proper loading and ensure it is not old or damaged.

6.3 Paper Jam or Paper Out Error

- Open the printer cover and remove any jammed paper or replace the paper roll if it's empty.
- Ensure the paper is loaded correctly and the cover is closed firmly.

6.4 USB Driver Issues (Windows)

If you encounter issues with USB printing on Windows:

- Go to **Printer Properties** and ensure the correct USB port (e.g., USB001/USB002) is selected.
- Reinstall the printer driver from the official GAINSCHA download page:GAINSCHA Driver Download.
- If the Windows self-test page prints correctly, the driver installation is successful. Further configuration may be needed in **Printing Preferences**.

7. SPECIFICATIONS

Feature	Specification
Model Number	iSH58
Printing Technology	Thermal
Print Resolution	203 dpi
Print Speed (Monochrome)	Up to 70 pages per minute
Paper Width	58 mm (2 1/4 inches)
Max Paper Roll Diameter	60 mm
Connectivity	Bluetooth, USB
Compatible Devices	Android, iOS, Windows PCs
Special Features	Wireless, Cash Drawer Support
Dimensions (L x W x H)	15.24 x 12.7 x 10.16 cm
Weight	500 g

8. WARRANTY AND SUPPORT

For any issues, questions, or support regarding your GAINSCHA iSH58 printer, please contact the seller or manufacturer directly. If you encounter issues such as an incorrect power plug for your region, please reach out to customer support for assistance.