

BAOSHISHAN BS-T

BAOSHISHAN Wireless People Counter Model BS-T Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your BAOSHISHAN Wireless People Counter, Model BS-T. Please read this manual thoroughly before using the device to ensure proper function and safety.

The BAOSHISHAN Wireless People Counter is designed to accurately track the flow of people in various indoor commercial environments. It utilizes infrared barrier technology for bidirectional counting, providing real-time entry and exit data without the need for complex wiring or internet connection.

INFRARED PEOPLE COUNTER WITH ENTRY & EXIT DETECTION

0-20m adjustable detection distance



Image: The BAOSHISHAN Wireless People Counter installed at a doorway, illustrating its infrared detection beam and the display showing real-time entry and exit counts. LED indicators for entry (L1 green flash) and exit (L4 red flash) are visible, along with battery status and date/time.

2. SAFETY INFORMATION

To ensure safe operation and prevent damage to the device, please observe the following precautions:

- Read the entire manual carefully before use.
- Do not rinse the device with water or expose it to excessive moisture.
- Dispose of depleted batteries according to local regulations.
- The device is designed for indoor use only. Avoid direct sunlight exposure outdoors.
- Keep the device away from strong magnetic fields.

Attenersi alle precauzioni di sicurezza fondamentali



Leggere attentamente il manuale



Non sciacquare con acqua



Smaltisci le batterie esaurite



Supporta la ricerca dei dispositivi e l'esportazione dei dati

Image: Visual representation of key safety precautions, including reading the manual, avoiding water, proper battery disposal, and data handling.

3. PACKAGE CONTENTS

Please check the package for the following items:

- Transmitter (TX) x 1
- Receiver (RX) x 1
- 18650 Rechargeable Battery x 2
- Type-C Cable x 1
- Double-sided Tape x 2
- Instruction Manual x 1 (This document)

COMPLETE SET OF ACCESSORIES



Image: A visual display of all components included in the package: the transmitter, receiver, two 18650 batteries, a Type-C charging cable, and two pieces of double-sided adhesive tape.

4. SETUP AND INSTALLATION

4.1 Battery Installation and Charging

The device uses 18650 rechargeable batteries. Fully charge the batteries before first use. Insert the batteries into the transmitter (TX) and receiver (RX) units, ensuring correct polarity.

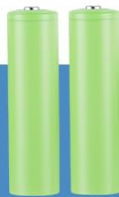
DUAL POWER SUPPLY BUT ENERGY-EFFICIENT



1 18650 Rechargeable Battery,
Last **4-6 Months** Per Full Charge



2 Support Type-C Wired Power
& Charging



Battery Installation

Fully charge batteries
before first use; install
with correct polarity



Device Matching

TX screen lights up to show
power then fades (Normal)

RX LED flashes red & green
alternately, screen lights then
fades – installation successful

Image: Instructions for battery installation and charging. It shows the 18650 rechargeable battery, the Type-C wired power and charging port, and steps for battery installation and device matching.

The device supports dual power supply: rechargeable batteries and Type-C wired power. A single charge can last for several months. The display shows the real-time battery level, and a low battery warning will be issued when necessary.

4.2 Mounting the Device

The people counter can be installed using either double-sided adhesive tape or screws (not included). Choose a suitable location on both sides of the doorway or entrance.

1. **Installation Height:** Mount both the Transmitter (TX) and Receiver (RX) units at a height of 1.2 to 1.4 meters (approximately 47 to 55 inches) above the ground.
2. **Alignment:** Ensure the Transmitter (TX) and Receiver (RX) are horizontally aligned and facing each other directly across the doorway. The infrared beam should be unobstructed.
3. **Orientation:** The arrows on the units should point towards the indoor area.
4. **Distance from Glass/Mirror:** Maintain a distance of at least 50 cm (approximately 20 inches) from any glass or mirrored surfaces to prevent interference with the infrared beam.

5. **Detection Distance:** The adjustable detection range is 0-20 meters.

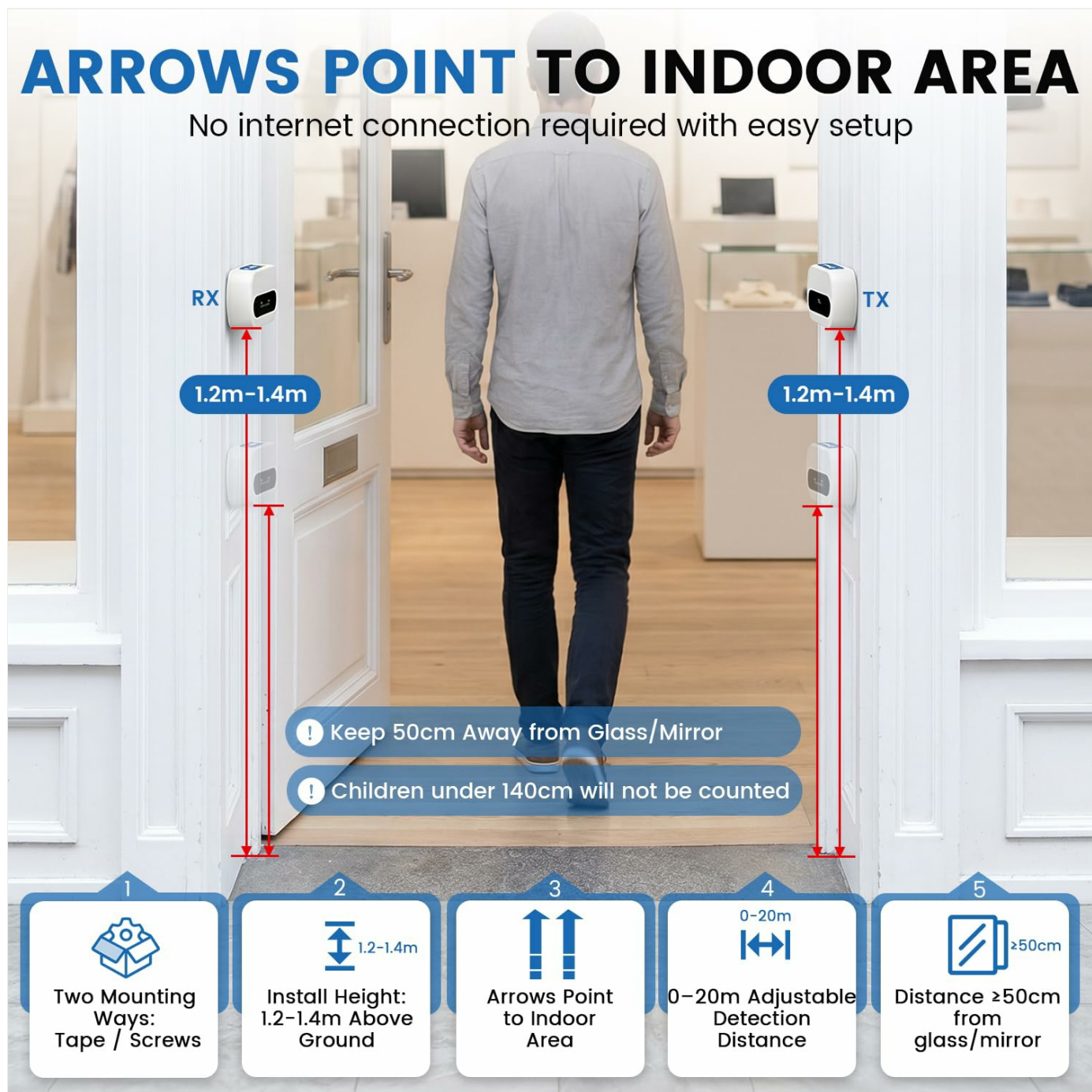


Image: Detailed installation instructions showing the recommended height (1.2-1.4m), the importance of arrows pointing to the indoor area, adjustable detection distance (0-20m), and maintaining a distance of at least 50cm from glass/mirrors. It also notes that children under 140cm may not be counted.

Important Note: When two people pass through the detection area simultaneously, the device may only register a count of "1". Children under 140cm (approximately 55 inches) may not be consistently counted due to the installation height.

5. OPERATION

5.1 Display and Touch Controls

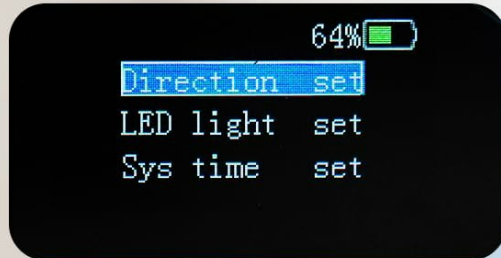
The Receiver (RX) unit features an LED screen and touch controls for viewing data and adjusting settings.

- **Short Touch:** Activates the display, navigates "Forward" or "Change Menu".
- **Long Touch (2 seconds):** Enters a menu item or confirms a selection. During data browsing, a long touch means

"Back".

LOCAL DATA QUERIES WITHOUT INTERNET

Historical data cannot be exported, so you can **only** view it on the device



Data Statistics:

Data for the past 60 days
/ 52 weeks / 12 months / 5 years

Touch Controls:

Short Touch (Switch)
/ Long Touch (Confirm/Back)

System Settings:

Time/Language/Working Hours
/ Restore Factory Settings



Image: The device display showing options for "Direction set", "LED light set", and "Sys time set". Below, it details data statistics (last 60 days / 52 weeks / 12 months / 5 years), touch controls (short touch for switch, long touch for confirm/back), and system settings (time/language/working hours/restore factory settings).

5.2 LED Indicators (Receiver RX)

The Receiver (RX) unit has four LED indicators that provide status information:

- **L1 (Green Flash):** Indicates an entry count.
- **L2 (Normally Off):** Flashes green twice every 5 seconds if there is an IR fault. In configuration mode, it is off if no IR signal is detected, and solid on when IR focus is complete.
- **L3 (Normally Off):** Flashes red twice every 5 seconds to indicate low battery.
- **L4 (Red Flash):** Indicates an exit count.



Image: A detailed diagram illustrating the meaning of each of the four LED indicators (L1, L2, L3, L4) on the RX receiver, including their colors and flash patterns for entry, exit, IR fault, and low battery status.

The light on the infrared transmitter will flash to signal low battery.

6. DATA MANAGEMENT

The BAOSHISHAN Wireless People Counter stores and allows you to query data directly on the device's screen. Data cannot be exported.

- **Data Storage:** The device stores data for the last 60 days and can retain aggregated data for up to 5 years.
- **Data Viewing:** You can view data by day, week, month, or year directly on the screen.
- **Data Reset:** The device supports resetting data for a single day or resetting all stored data.

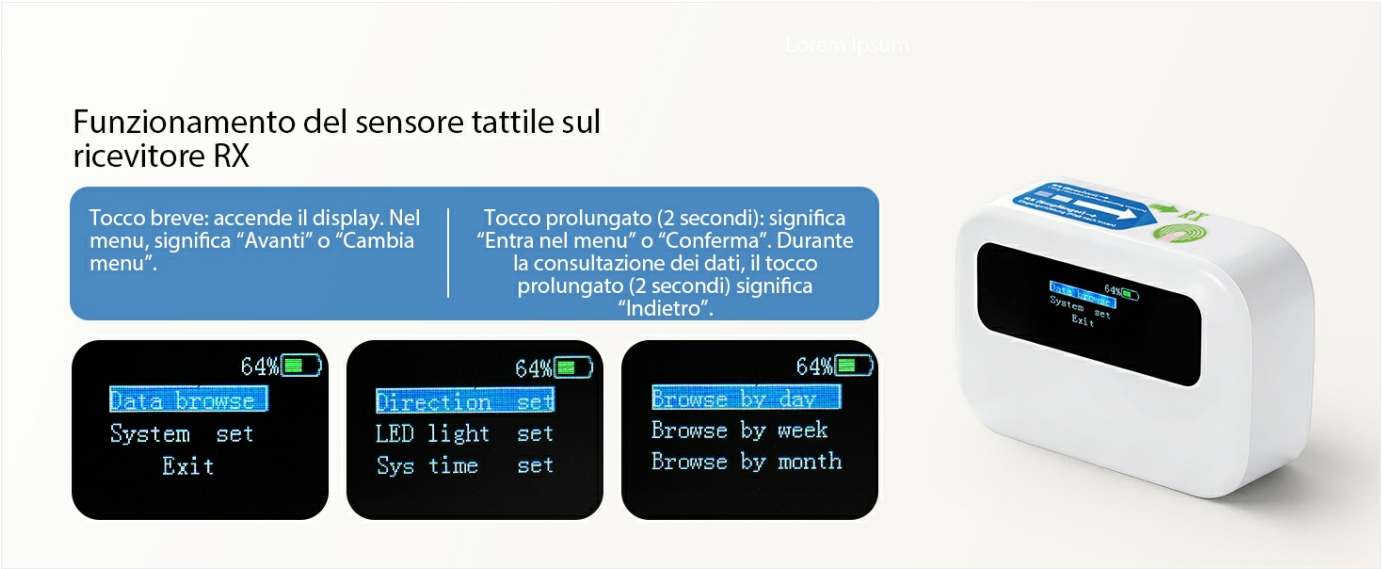


Image: The device display showing menu options such as "Data browse", "System set", and "Exit". Further options for data browsing by day, week, or month are also visible, along with system settings like "Direction set", "LED light set", and "Sys time set".

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use abrasive cleaners or solvents.
- **Battery Care:** Ensure batteries are fully charged before initial use. Recharge when the low battery warning appears. If storing the device for an extended period, remove the batteries.

- **Alignment Check:** Periodically check that the Transmitter (TX) and Receiver (RX) units remain properly aligned and that the infrared beam path is clear of obstructions.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not counting or inaccurate counts.	• Misalignment of TX and RX units. • Obstruction in the infrared beam path. • Installation height incorrect. • Too close to glass/mirror surfaces. • Low battery.	• Re-align TX and RX units. • Clear any objects blocking the beam. • Ensure installation height is 1.2-1.4m. • Move device at least 50cm from reflective surfaces. • Charge or replace batteries.
L2 LED flashes green twice every 5 seconds.	Infrared (IR) fault or misalignment.	Check alignment of TX and RX units. Ensure no obstructions.
L3 LED flashes red twice every 5 seconds.	Low battery on Receiver (RX) unit.	Recharge the batteries in the RX unit.
Transmitter (TX) light flashes.	Low battery on Transmitter (TX) unit.	Recharge the batteries in the TX unit.
Display is blank.	• Device is off. • Batteries are depleted.	• Perform a short touch on the RX unit to activate the display. • Charge or replace batteries.

9. SPECIFICATIONS

Feature	Specification
Model Number	BS-T
Manufacturer	BAOSHISHAN
Part Number	FBA-LX177
Detection Distance	0-20 meters (adjustable)
Detection Current	200uA - 300uA (depends on detection distance)
Power Supply	18650 Battery (rechargeable) + Type-C wired power
Battery Life	More than 6 months per charge (for 100 people per day)
Battery Level Indicator	Digital Display
Installation Height	1.2 - 1.4 meters above the ground
Installation Method	Adhesive tape or screw mounting

Feature	Specification
Data Query	Local query on the device (by day/week/month/year)
Input Type	Touch buttons (top right area)
Dimensions	82mm x 57mm x 28mm
Item Weight	400 grams
First Available Date	March 28, 2026

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official BAOSHISHAN website. Keep your purchase receipt as proof of purchase for warranty claims.

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