

Breloom ST11-U

Breloom ST11-U Rugged Tablet User Manual

Model: ST11-U

1. INTRODUCTION

Welcome to the user manual for your Breloom ST11-U Rugged Tablet. This device is engineered for extreme conditions, offering robust performance and reliability in challenging environments. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your tablet to ensure optimal performance and longevity.



Image: Breloom ST11-U Rugged Tablet, highlighting its customizable hardware and software solutions for various industrial applications.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Military-Strength Protection:** IP54 waterproof and dustproof, MIL-STD-810G compliant, safeguarding against 1.2-meter drops and extreme temperatures (-20°C to 55°C).
- **Elite Intel Power:** Fueled by Intel i5-1235U 10-Core Processor with 8GB RAM and 256GB storage, paired with Intel Iris Xe Graphics.
- **Rapid Charging & Clarity:** 6000mAh battery with 65W Type-C fast charging (0-100% in 2.5 hours), 10.1-inch FHD display (1200x1920, 450 nits).
- **Cutting-Edge Connectivity:** 4G LTE multi-band support, Wi-Fi 6 AX201, Bluetooth 5.2, and tri-system GPS (BDS/GPS/GLONASS).
- **Dual Cameras:** 8MP rear camera and 5MP wide-angle front camera.

Military-Grade Durability & IP65 Certified



Waterproof



Dustproof



4FT Drop-proof

Image: The ST11-U tablet showcasing its resilience to extreme cold (-20°C), heat (55°C), water immersion, dust, and 4-foot drops, emphasizing its military-grade durability and IP65 certification.

2.2 Package Contents

Upon unboxing, please verify that all items listed below are present:

- 1 x ST11-U Rugged Tablet
- 1 x DC Charge (12V 4A)
- 1 x Carry strap
- 1 x Wrist strap



Image: A visual representation of the packaging contents, including the tablet, packaging box, wrist strap, carry strap, DC charger, and screws. A docking station is shown as sold separately.

2.3 Device Layout

Familiarize yourself with the various ports, buttons, and features of your ST11-U tablet:

Packaging Accessories



Packaging Box



10.1 in Rugged Tablet



Wrist Strap



Carry Strap



**Docking Station
(Sold Separately)**



DC Charger



Screws

Image: A comprehensive diagram illustrating the tablet's layout, including USB 3.0 ports, Type-C port, HDMI, DC input, microphone, earphone jack, RJ45 port, RS232, power button, custom buttons, scanner (optional), fan exhaust outlet, battery compartment, camera, handstrap screw, fan air inlet, fingerprint (optional), speaker, and Pogo pins.

3. SETUP

3.1 Initial Charging

Before first use, fully charge the tablet using the provided DC charger. Connect the charger to the DC input port on the tablet and plug it into a power outlet. The charging indicator will illuminate.



Image: The ST11-U tablet being charged, illustrating its 65W fast charge capability, 6000mAh battery, and 2.5-hour full charge time, set against a warehouse backdrop.

3.2 Powering On/Off

- **To Power On:** Press and hold the Power button (refer to Device Layout) for a few seconds until the screen illuminates.
- **To Power Off:** Press and hold the Power button, then select 'Shut down' from the options on the screen. Alternatively, go to the Start Menu in Windows and select 'Power' > 'Shut down'.

3.3 Operating System Setup

Upon first power-on, you will be guided through the Windows 11 Pro initial setup process. Follow the on-screen prompts to configure language, region, network settings, and user accounts. An active internet connection is recommended for this process.

4. OPERATING INSTRUCTIONS

4.1 Display and Touchscreen Usage

The 10.1-inch FHD display offers clear visibility. Use standard touch gestures for navigation, selection, and interaction with the Windows 11 Pro interface.



Image: A user operating the ST11-U tablet outdoors, highlighting its sunlight-readable display for clear visibility in bright conditions.

4.2 Connectivity

- **Wi-Fi:** Access network settings to connect to available Wi-Fi 6 (2.4G/5G dual-band) networks.
- **Bluetooth:** Pair with Bluetooth 5.2 devices such as headphones or external peripherals via Windows Bluetooth settings.
- **4G LTE:** Insert a compatible SIM card into the designated slot to enable mobile data connectivity across 28 global bands.
- **GPS:** The integrated tri-system GPS (BDS/GPS/GLONASS) provides accurate location services for navigation and asset tracking.



Image: An illustration depicting the ST11-U tablet's comprehensive connectivity features, including 4G LTE, Bluetooth, NFC, and GPS, indicating its suitability for connected environments.

4.3 Camera Operation

The tablet features an 8MP rear camera and a 5MP front camera. Use the built-in Windows Camera application to capture photos and videos, or for video conferencing.



Image: Detailed views of the tablet's front (5MP) and rear (13MP) cameras, emphasizing their high-definition capabilities for various imaging needs.

4.4 Using Optional Modules

The ST11-U supports various modular upgrades. If your tablet includes optional features like a 1D/2D barcode

scanner, long-range UHF RFID, or fingerprint security, refer to their specific documentation for operation. These modules are typically integrated and managed through dedicated software or Windows settings.

5. MAINTENANCE

5.1 Cleaning the Device

To clean the tablet, use a soft, lint-free cloth slightly dampened with water or a mild, non-abrasive cleaning solution. Avoid harsh chemicals, solvents, or abrasive materials that could damage the screen or casing. Ensure all port covers are securely closed before cleaning to maintain water and dust resistance.

5.2 Battery Care

To maximize battery life and performance:

- Avoid exposing the tablet to extreme temperatures for prolonged periods.
- Charge the battery regularly; avoid letting it fully discharge frequently.
- If storing the tablet for an extended period, charge it to approximately 50% before storage.



Image: An exploded view of the ST11-U tablet, illustrating the internal placement and robust construction around its 6000mAh battery, emphasizing its power capacity.

5.3 Environmental Considerations

While the ST11-U is designed for rugged use, prolonged exposure to direct sunlight, extreme humidity, or corrosive substances should be avoided to prevent potential damage.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Breloom ST11-U Rugged Tablet. If the problem persists, please contact customer support.

Problem	Possible Cause	Solution
Tablet does not power on.	Low battery; Power button not pressed long enough.	Charge the tablet for at least 30 minutes. Press and hold the Power button for 5-10 seconds.
Touchscreen is unresponsive.	Software glitch; Screen protector interference.	Restart the tablet. Ensure screen protector is properly applied or remove it to test.

Problem	Possible Cause	Solution
Wi-Fi/Bluetooth connectivity issues.	Incorrect settings; Out of range; Driver issue.	Check Wi-Fi/Bluetooth settings. Move closer to the access point. Update network drivers via Windows Update.
Tablet runs slowly.	Too many applications running; Low storage space.	Close unnecessary applications. Free up storage space. Run a system scan for malware.
Battery drains quickly.	High screen brightness; Background apps; Weak signal.	Reduce screen brightness. Close background applications. Disable unused connectivity features (e.g., 4G, GPS).

7. TECHNICAL SPECIFICATIONS

Detailed specifications for the Breloom ST11-U Rugged Tablet:

Feature	Specification
Model Name	Breloom ST11-U
Operating System	Windows 11 Professional
Processor	Intel i5-1235U (1.3GHz base, Turbo up to 4.4GHz)
RAM	8GB
Storage	256GB
Screen Size	10.1 Inches
Max Screen Resolution	1200x1920
Graphics	Intel Iris Xe Graphics (Integrated)
Battery	6000mAh (45.6Wh), 65W Type-C Fast Charging
Cameras	Front 5MP, Rear 8MP
Connectivity	Wi-Fi 6 AX201 (2.4G/5G), Bluetooth 5.2, 4G LTE (multi-band), GPS (BDS/GPS/GLONASS)
Durability	IP54 Waterproof & Dustproof, MIL-STD-810G (1.2m drop resistance)
Dimensions (LxWxH)	10.74 x 6.77 x 0.78 inches
Item Weight	2.6 pounds

8. WARRANTY AND SUPPORT

Breloom pledges a 12-month warranty and lifetime technical support for the ST11-U Waterproof Tablet. This is backed by 24/7 enterprise-grade assistance to ensure seamless integration into your workflows and maximize operational resilience.

For technical assistance, warranty claims, or inquiries regarding modular upgrades, please contact Breloom customer support through the official channels provided at the point of purchase or on the Breloom website.