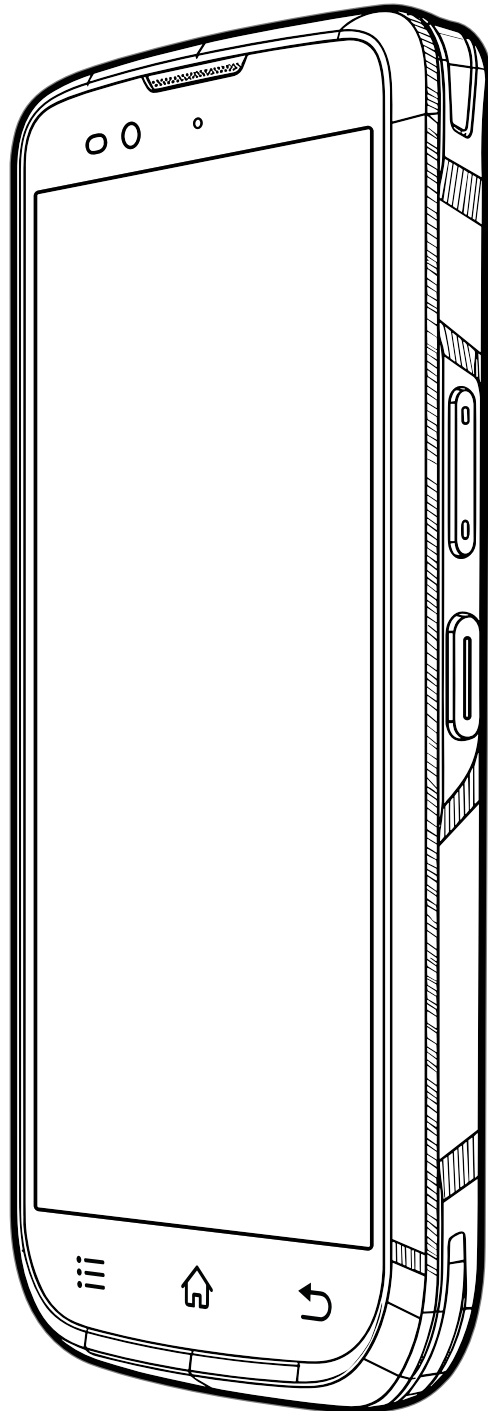


Rayoungtek

N77

Android Barcode Scanner

User Manual



Thank you for choosing our Android PDA scanner.

To ensure you get the best performance,
Please note that integrating enterprise-level hardware
with various software systems can sometimes
require specific configurations.

Contact our Technical Support Team if you encounter:

1. Setup Difficulties:

Any issues with initial setup, scanning configurations,
or system settings.

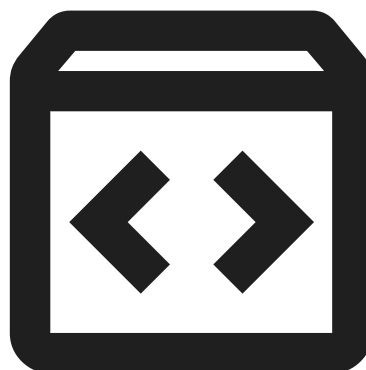
2. Scanning Performance:

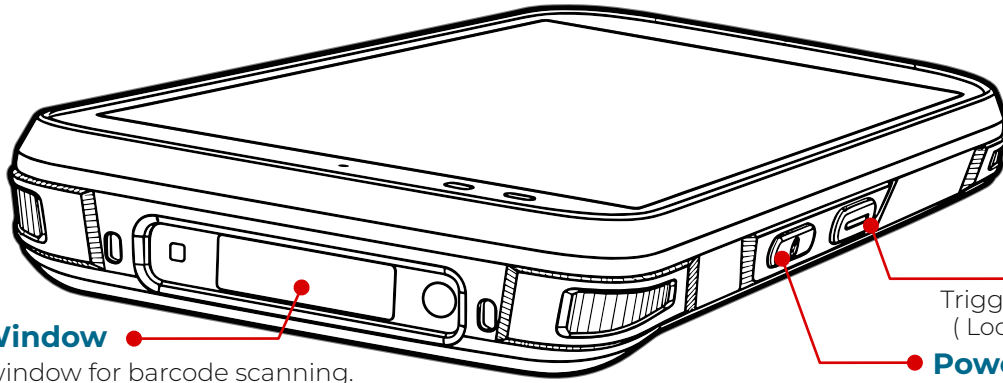
If the device struggles to read specific barcode types in your work
environment.

3. Software Integration (SDK):

If you need developer resources, SDK packages,
or assistance integrating the scanner with your proprietary applications.

*We are committed to your success.
Reach out to us for fast, Professional solutions.*



**Scanner Window**

The optical window for barcode scanning.

Scan Button

Trigger barcode scanning
(Located on both sides)

Power Button

Press and hold to power on/off

Front Camera

5MP Camera for Capturing images

6" Touch Screen

720 x 1440 pixels Display

Volume +/- Buttons

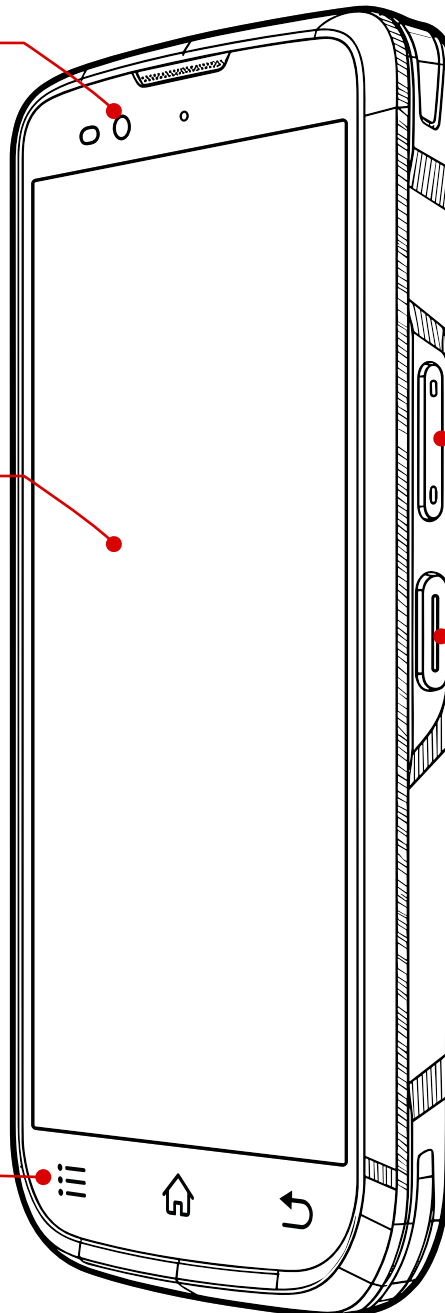
Adjust device volume.

Scan Button

Trigger barcode scanning
(Located on both sides)

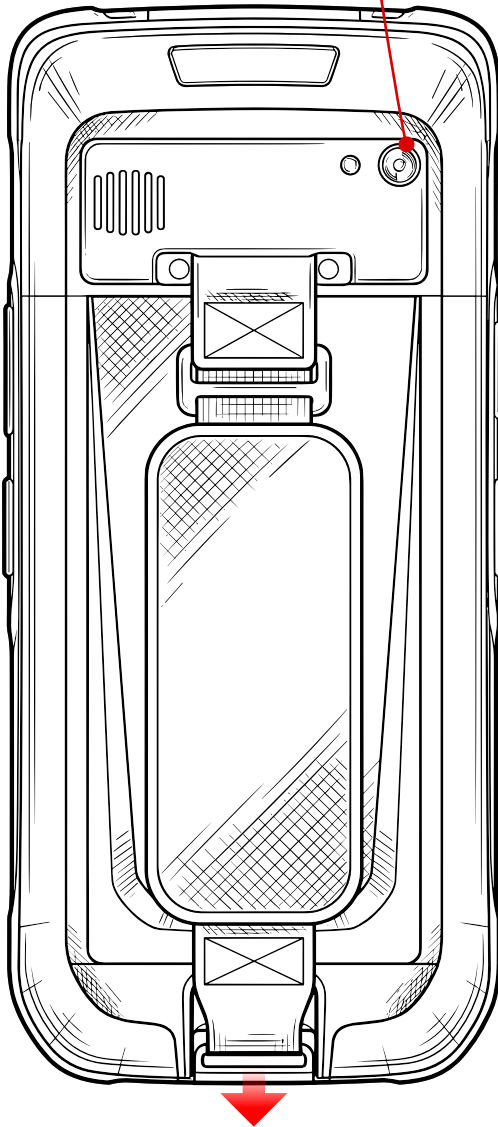
Home, Menu, Back Touch Buttons:

System navigation bar at the bottom
of the screen.



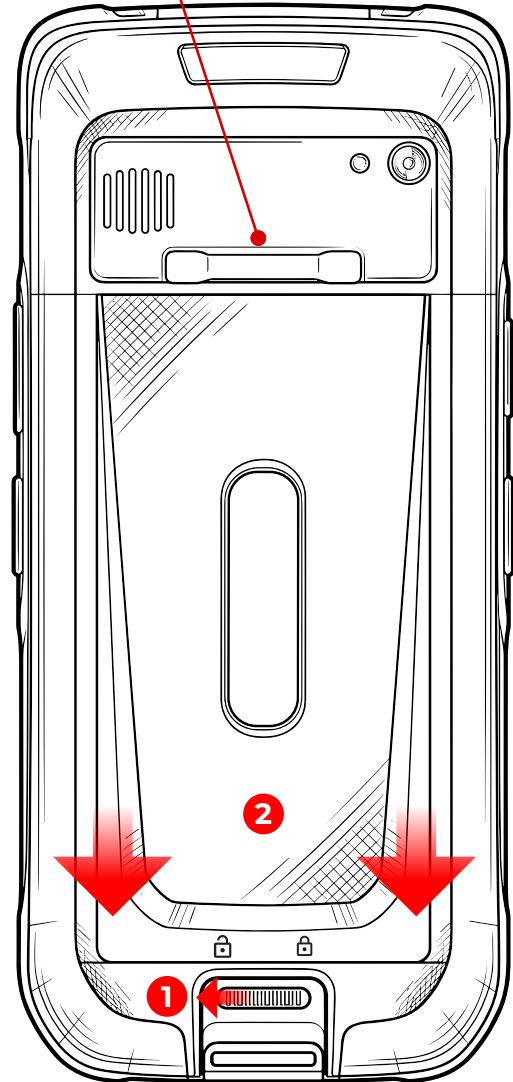
Rear Camera

13MP Camera for Capturing images with Flash Light



NFC Reader

Area for contactless NFC card reading.



How do I release the hand strap?

Slide the latch downward to unfasten the hand strap.

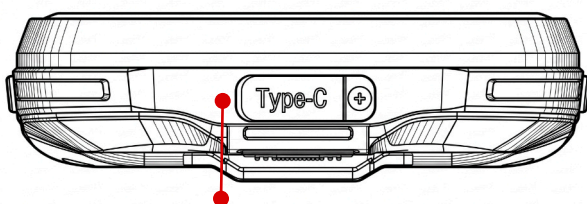
How to remove the battery cover?

Step 1. ① Move the lock on the base to the unlocked position

Step 2. ② Push in the direction of the arrow to remove the battery cover.

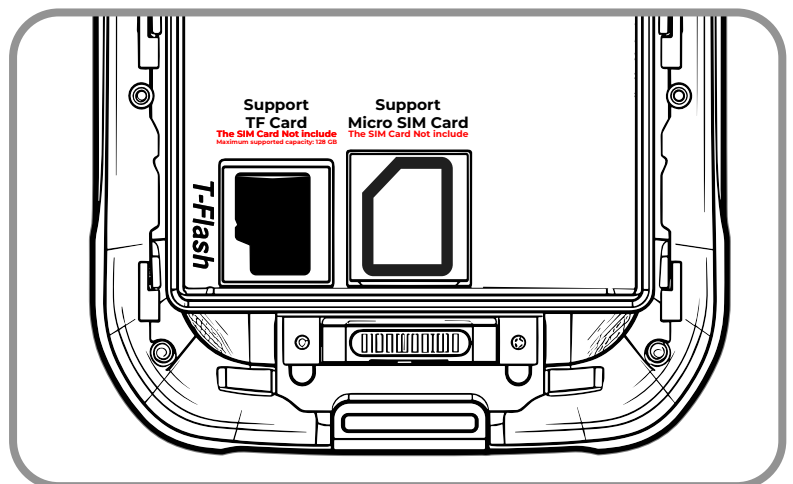
Installing SIM & TF Cards

After removing the battery cover and taking out the battery, you can install the SIM card and TF card into their respective slots.



Type-C interface

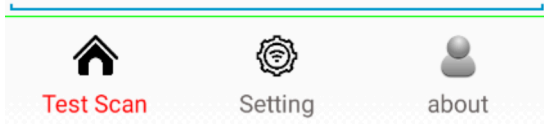
Used for charging and data transmission.



Note: The "Scanner" app comes pre-installed on the Rayoungtek N77.

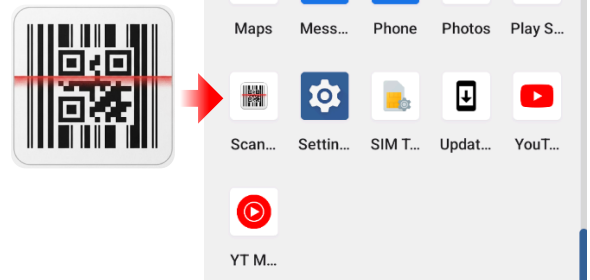
You can use this application to test, configure, and utilize the barcode scanning functions.

The app consists of three navigation tabs at the bottom: **Test Scan, Setting, and About.**

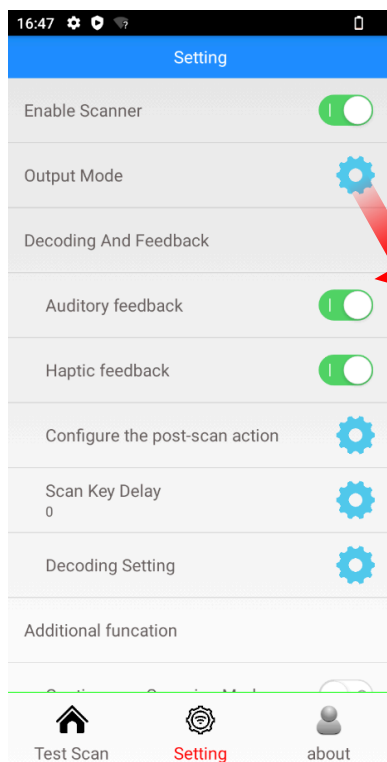


Test Scan (Content Interface)

On the Test Scan interface, press any physical Scan Button on the device to perform a scan test. If the device is working properly, pressing the button will emit a scanning light from the module, and the scanned barcode text will immediately display on the screen.

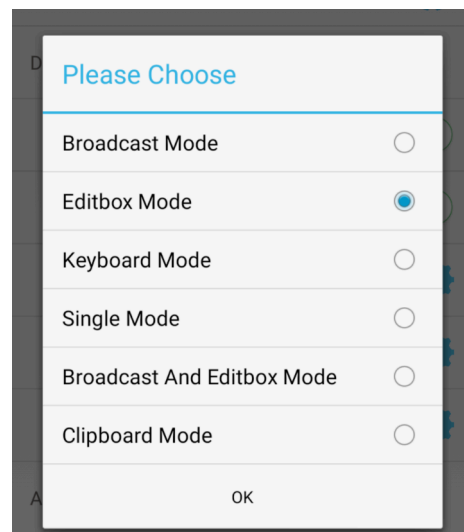


Output Mode Setting



Setting

In the **Setting** interface, you can customize the scanning settings based on the data processing mode of your application.



Output Mode

Select the appropriate data output method based on your host application.

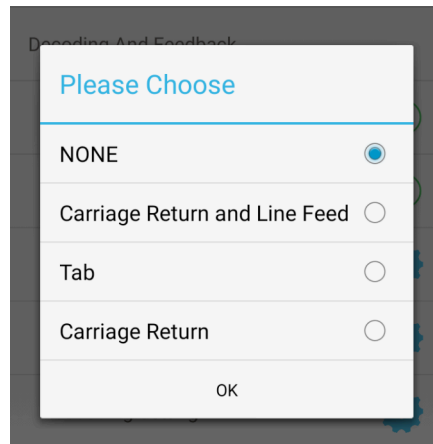
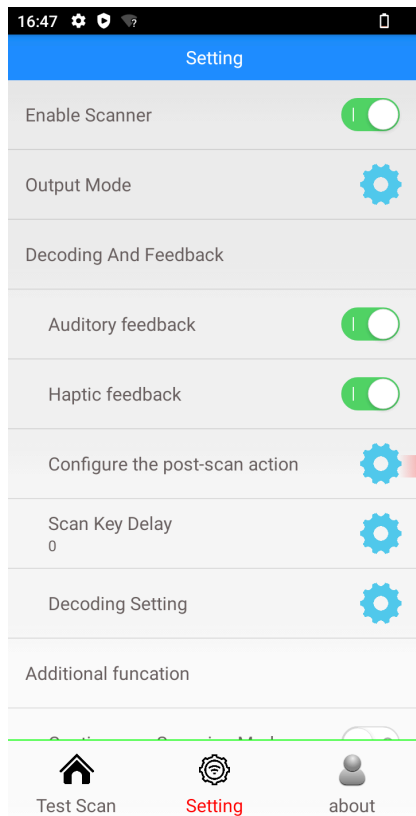
Why Choose an Output Mode?

Different applications receive data differently. Choosing the correct output mode ensures the scanner communicates perfectly with your specific software, delivering data accurately to the right place.

Configure the post-scan action

What is Post-Scan Action?

This setting allows you to configure the Post-Scan action based on the specific input requirements of your application, automatically appending a suffix (such as Enter or Tab) to route data or advance the cursor without manual screen tapping.



Post-Scan Action Quick Guide

NONE:

Outputs raw barcode data only (ideal for manual verification).

Carriage Return & Line Feed (CRLF):

Moves the cursor to the next line

Tab:

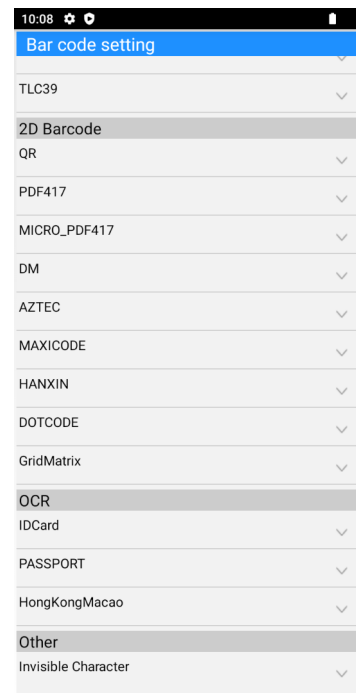
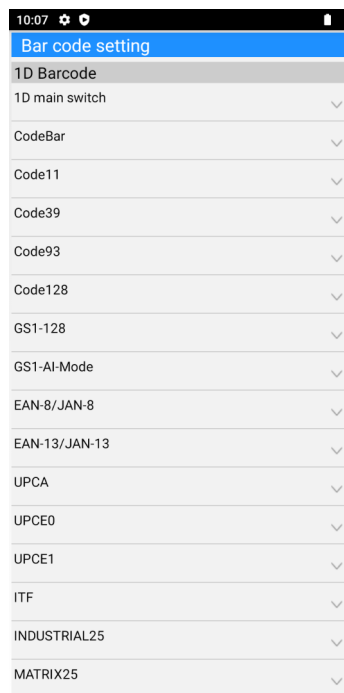
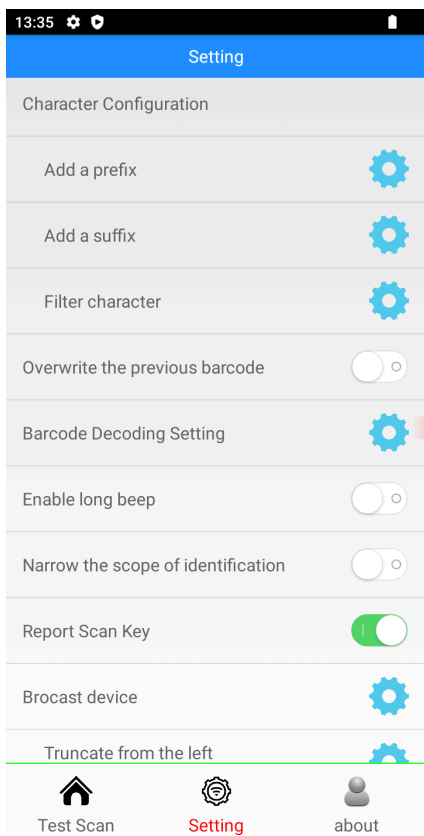
Jumps to the next form field (ideal for multi-field shipping/inventory forms).

Carriage Return (CR):

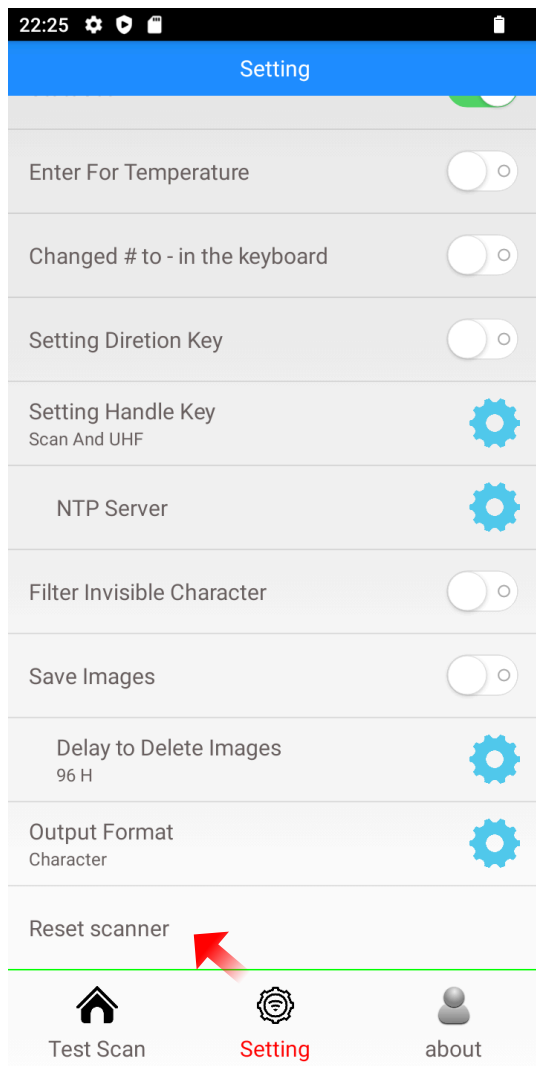
Inputs "Enter" to trigger actions (perfect for instant database search or item adding).

Decode Settings

Path: Setting -> Barcode Decoding Setting



In the **Decoding Setting** menu, you can enable or disable specific 1D and 2D barcode symbologies (e.g., Code-128, QR Code, PDF417) to optimize scanning speed and accuracy according to your actual business needs.



Reset Scanner

When should I reset the scanning module?

Reset the scanner if you encounter any of the following issues:

1. No Laser Beam: Pressing the scan button fails to emit the red light.
2. Unresponsiveness: The scanning module freezes, hangs, or fails to decode.
3. Configuration Errors: Scanning behavior becomes abnormal due to incorrect settings.



The **Scanner App** is the comprehensive control center for the N77's scanning engine. While this manual outlines only the most common configurations, the app contains extensive advanced settings.

If you encounter scanning performance issues, data format mismatches, or software integration challenges in your daily workflow, they can almost always be resolved by adjusting the settings within this application.



The **Settings app** on the Android home screen enables you to customize the system-level preferences of your N77 device.

The N77 runs on a **STANDARD ANDROID OPERATING SYSTEM**.

In addition to Wi-Fi and Bluetooth connectivity, the system-level Settings app manages all general device preferences and configurations.

Through this interface, you can fully customize and control:

- **Display:** Adjust screen brightness, automatic sleep timeout, dark theme, and font size.
- **Sound & Vibration:** Modify notification volume, system ringtones, and physical key vibration feedback.
- **Storage:** Monitor internal storage usage and manage local files.
- **Apps:** View installed applications, monitor background running apps, and manage app-specific permissions.
- **System & Language:** Configure system languages, input methods (keyboard), date & time, and perform system backups or factory data resets.

 **Note:** Navigating and configuring these settings is identical to using a standard Android smartphone.

System Reset: Quick Reference

If you experience system anomalies, network dropouts, or software conflicts, do not rush to perform a full factory reset. The N77 running Android 12 offers three tiered levels of reset under **Settings -> System -> Reset options** to solve problems safely:

Reset Wi-Fi, mobile & Bluetooth (Network Reset):

Select this first if your Wi-Fi or Bluetooth fails to connect. Your personal data, files, and installed apps will remain 100% safe.

Reset app preferences (App Reset):

Select this if specific apps repeatedly crash or if permissions are mismatched. No app data or local files will be deleted.

Erase all data (Factory Reset):

Use this as a last resort for severe lag or device handover.



WARNING: This will permanently delete all files and accounts. Back up your data before proceeding.

Q How can I troubleshoot if my N77 won't power on or charge?

A **Battery Insulation :** Ensure that the yellow insulation tape/layer on the battery's metal contacts has been completely removed.

Power Button : Press and hold the power button firmly for at least 4 seconds to check if the screen powers on.

Deep Sleep : If the PDA has been stored for a long time without use, the battery may have entered deep sleep. Please connect the charger and let it charge for at least 30 minutes before attempting to power it on again.

Hardware Check : Check if any charging accessories (battery, USB cable, power adapter, or charging cradle) are physically damaged.

Q Why is data transfer between my N77 and PC not working?

A Please ensure you are using a USB cable that supports data transfer, not just charging. **The original USB cable included in the N77 box supports both data transfer and charging.** So please use the original cable.

Note that many third-party charging cables only support power delivery, not data transfer.

Q Why is my N77 unable to scan codes?

A **Keys Check :** Press all three physical scan keys to ensure they are clicky and working properly.

Lens & Code Status : Ensure that the scanner lens and the barcode you want to scan are clean, unobstructed, and free of smudges or blur.

App Reset : Go to the Scanner app's setting interface, and select Reset scanner to restore default scanner performance.

Q Why can't I access the network even when my N77 is connected to Wi-Fi?

A **Router Check :** Ensure that the connected Wi-Fi router is working properly and has active internet access.

Signal Range : Ensure the PDA is not too far away from the router, as low signal strength can interrupt data transmission.

Alternative & IP Configuration : You can try installing a working Micro SIM card for cellular mobile data, or resetting network settings. If necessary, configure a static IP and DNS in the Wi-Fi settings matching your network topology.

If your issue remains unresolved, Please contact our **support team**.
We will assist you shortly.