



# NQUIRE 10 TRYGON

Touch Panel Computer

# Disclaimer

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Please read the manual carefully before using the product and operate it according to the manual. It is advised that you keep this manual for future reference.

Do not disassemble the device or remove the seal label from the device; doing so will void the product warranty provided by Newland Europe BV.

All pictures in this manual are for reference only, and the actual product may differ.

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**Risk Warning Regarding Unauthorized System Updates:**

You should use the Newland-provided tool to update this product's system. Modifying system files by installing a third-party ROM system or using any cracking method may result in product malfunction or data loss and void your warranty.

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Revision History

| Version | Description      | Date       |
|---------|------------------|------------|
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# Chapter 1 About This Guide

## Introduction

This guide provides instructions for programming and operating the NLS-NQ10T tablet (hereinafter referred to as “**the NQ10T**” or “**the terminal**”).

## Documentation Set

The documentation set for the **NQ10T** includes:

- ✧ **NLS-NQ10T Tablet Quick Start:** Describes how to get the NLS-NQ10T up and running.
- ✧ **NLS-NQ10T Tablet User Guide:** Describes how to program and use the NLS-NQ10T.

## Chapter Descriptions

- |                                      |                                                                                            |
|--------------------------------------|--------------------------------------------------------------------------------------------|
| ✧ <i>Chapter 1 About This Guide</i>  | Provides a general description of this manual.                                             |
| ✧ <i>Chapter 2 Getting Started</i>   | Provides information on getting the NQ10T up and running for the first time.               |
| ✧ <i>Chapter 3 Basics</i>            | Describes how to program the NQ10T for the use of its basic features.                      |
| ✧ <i>Chapter 4 Scanning Barcodes</i> | Provides the instructions as to how to scan 1D/2D barcodes and how to program the scanner. |
| ✧ <i>Chapter 5 Bluetooth</i>         | Explains how to use Bluetooth functionality.                                               |
| ✧ <i>Chapter 6 Wi-Fi</i>             | Explains how to use Wi-Fi functionality.                                                   |
| ✧ <i>Chapter 7 Mobile Network</i>    | Explains how to use Mobile Network functionality.                                          |
| ✧ <i>Chapter 8 Others</i>            | Explains how to use Camera, GPS, and NFC apps                                              |
| ✧ <i>Chapter 9 Whitelist Manager</i> | Explains how to use the whitelist management tool.                                         |
| ✧ <i>Chapter 10 System Update</i>    | Explains how to update the system.                                                         |

- 
- |                                                       |                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------|
| ✧ <i>Chapter 11 App Development Guide</i>             | Describes the app development environment and the use of non-standard interfaces.    |
| ✧ <i>Chapter 12 Maintenance &amp; Troubleshooting</i> | Provides troubleshooting solutions for issues that might occur when using the NQ10T. |

## More Information

For more product and support information, please visit our website: <http://www.newlandaidc.com>.

## Chapter 2 Getting Started

### Introduction

This chapter lists the parts for the NQ10T and explains how to install, remove, and charge the battery, and power on the NQ10T for the first time.

### Unpacking

Carefully remove all protective material from the pack and verify that the followings were received:

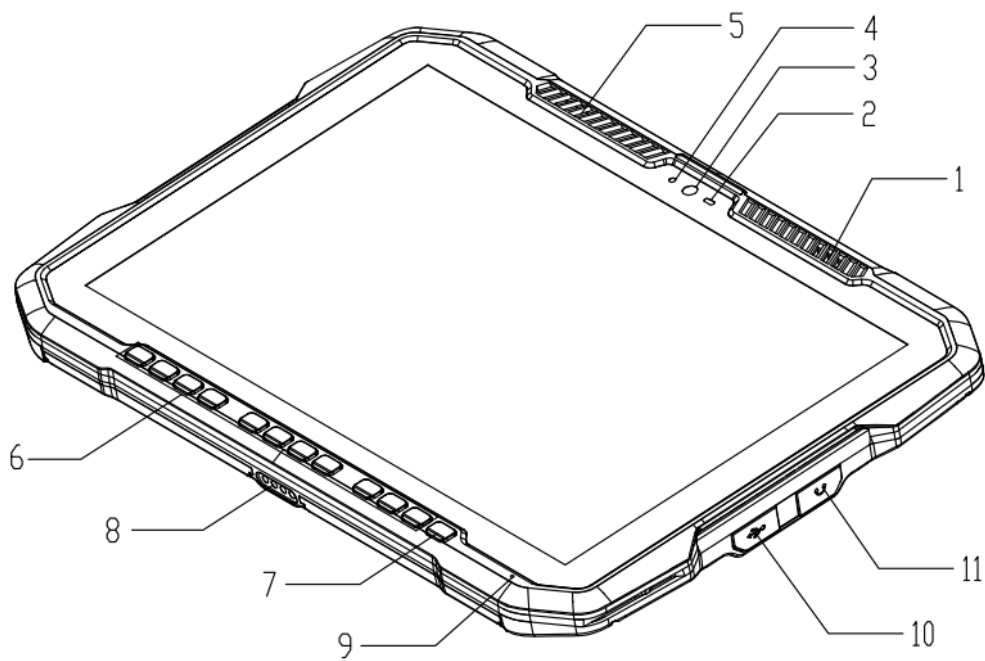
- ✧ 1 x NLS-NQ10T main unit
- ✧ 1 x USB cable
- ✧ 1 x AC adapter for the NQ10T
- ✧ 1 x Li-polymer battery
- ✧ 1 x Wrist lanyard
- ✧ 1 x Quick start manual

### Accessories (Optional)

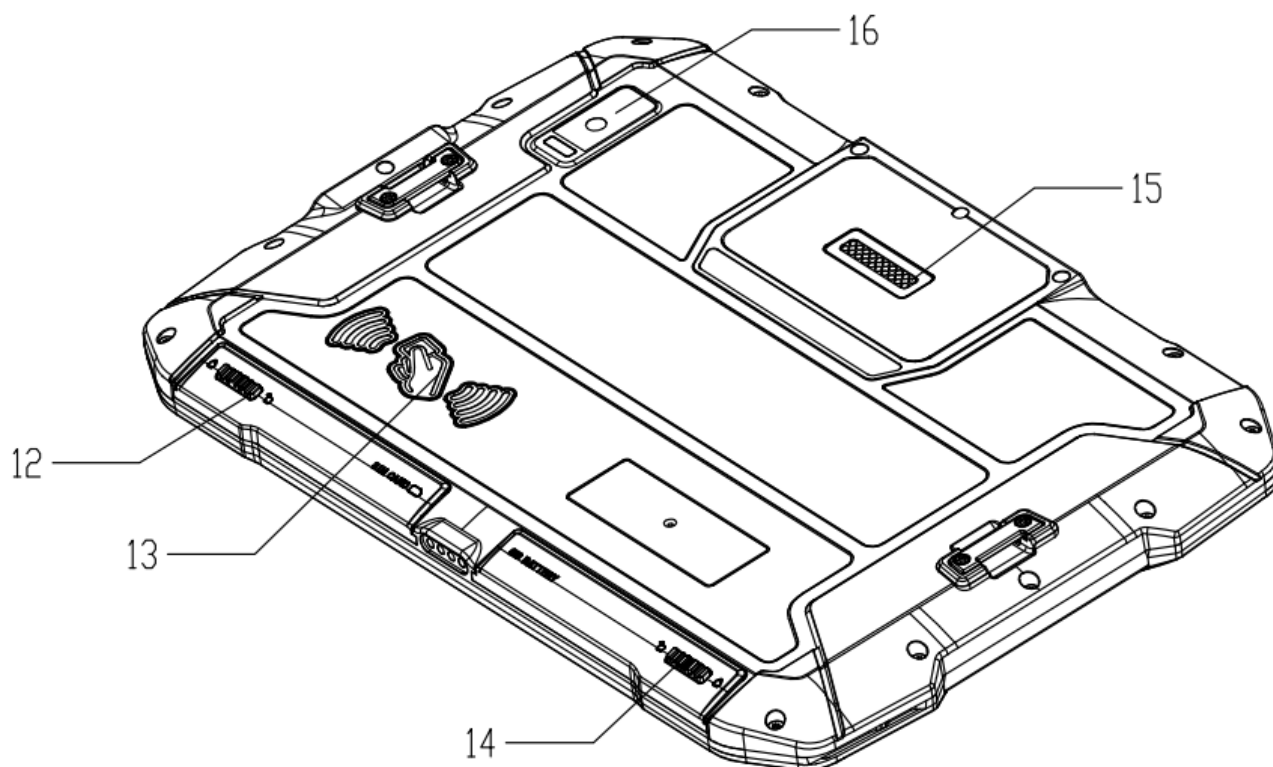
- ✧ DC100P Charging Cradle
- ✧ DC100P AC Adapter
- ✧ USB Cable
- ✧ CD100 Bracket

Getting Started

The NQ10T



|    |                    |    |                           |
|----|--------------------|----|---------------------------|
| 1  | Speaker            | 2  | Light & Proximity Sensors |
| 3  | Front Camera       | 4  | LED                       |
| 5  | Speaker            | 6  | Keys                      |
| 7  | Power Key          | 8  | Charging Contacts         |
| 9  | Main Microphone    | 10 | USB Type-C Connector      |
| 11 | Headset Jack Cover |    |                           |



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**12** SIM Card Slot

**13** NFC

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**14** Battery Cover Latch

**15** Expansion Contacts

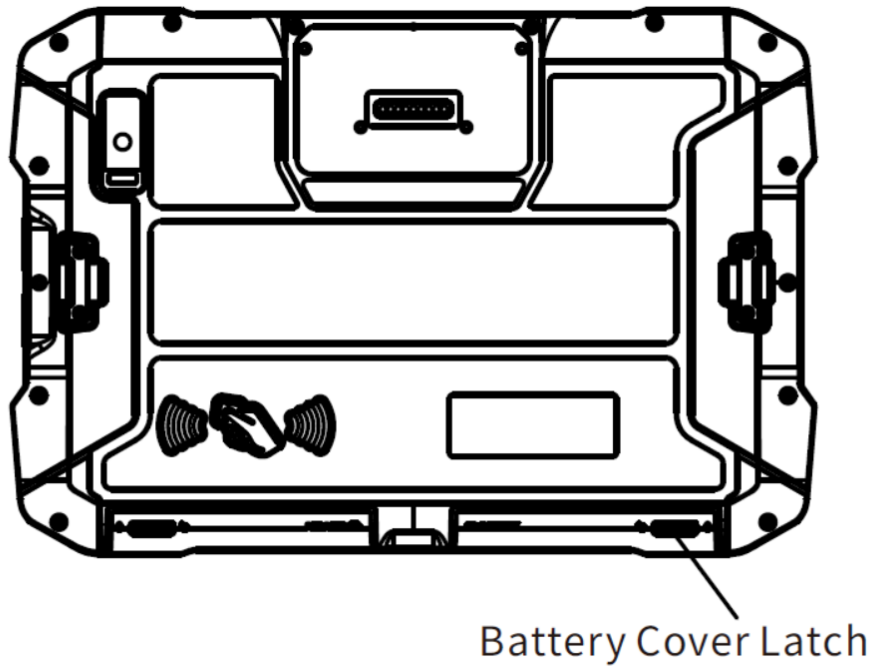
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**16** Rear Camera

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## Installing the Battery



Step 1: Slide the battery cover latch to the unlock position and open the battery cover.

Step 2: Insert the battery into the battery compartment.

Step 3: Install the battery cover and slide the latch to the lock position.

## Removing the Battery

Step 1: Press and hold the Power key for 5 seconds, then tap “Power off” to turn off the terminal.

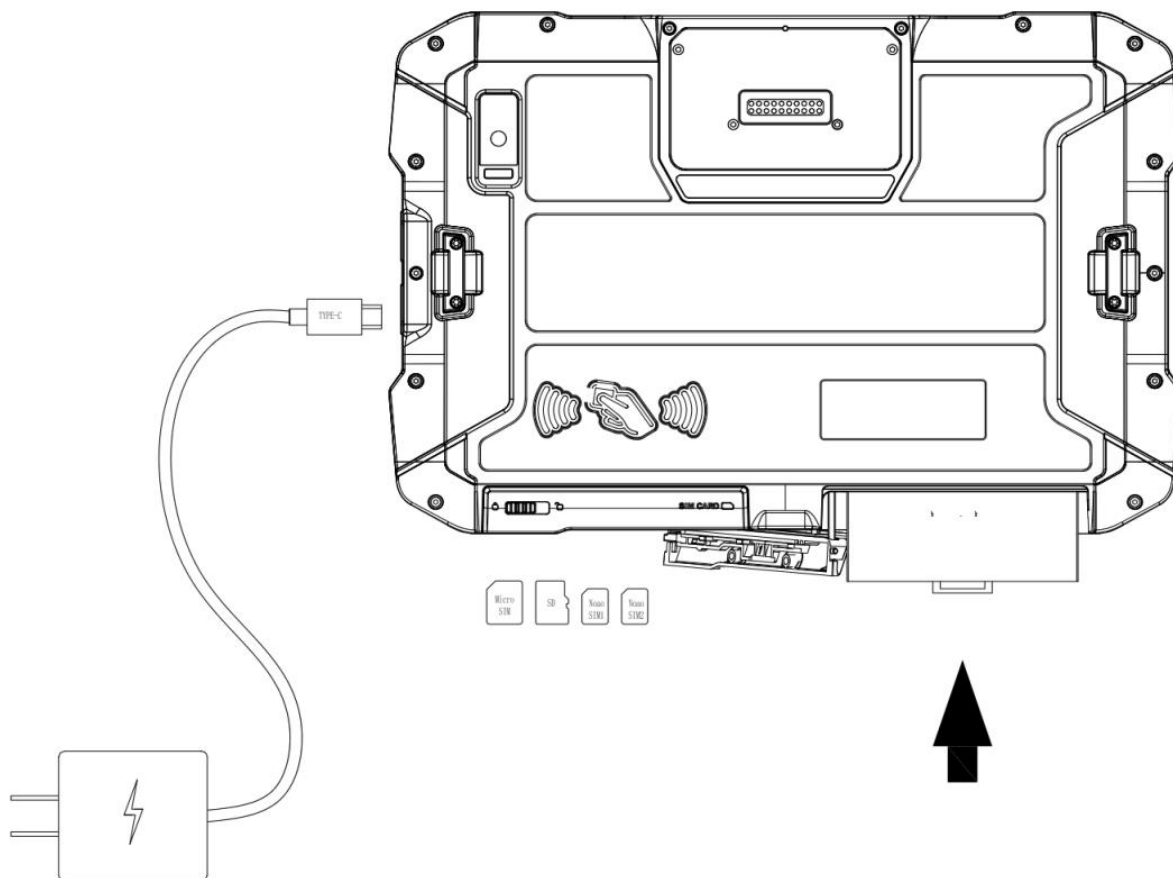
Step 2: Slide the battery cover latch to the unlock position and open the battery cover.

Step 3: Remove the battery.

---

## Charging the Mobile Terminal

Connect the NQ10T to a power outlet using the included AC adapter. When the terminal's battery is less than 5%, fully charge it (The terminal is shut down or in sleep mode).

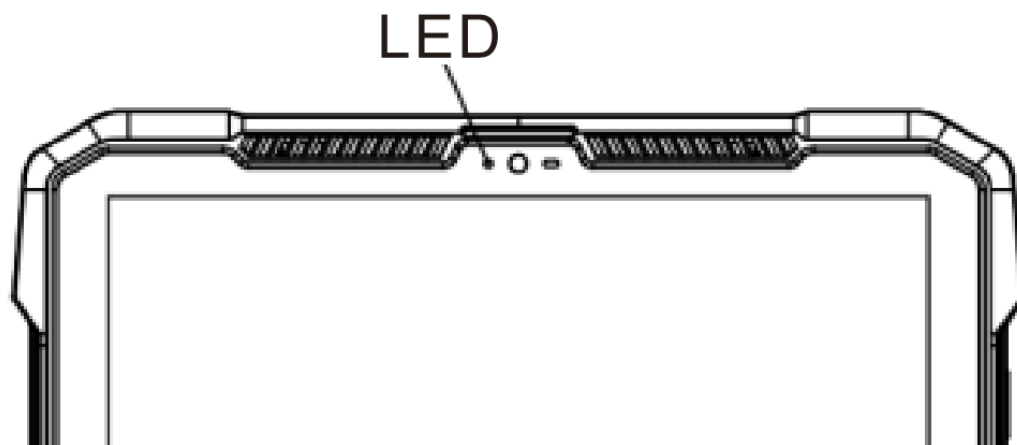


### Note:

1. Low battery may result in a malfunction of the terminal. Before your first use, charge the battery for at least 5 hours.

---

## LED Indicators



| Charging/Battery Status     |                           |
|-----------------------------|---------------------------|
| Green LED on                | Fully charged             |
| Red LED on                  | Charging in progress      |
| Red LED flashes constantly  | Low-battery alert         |
| Blue LED flashes constantly | Phone call/message coming |

**Note:** If NQ10T battery is completely drained, please press the power key to turn it on after 15 minutes of being charged.

## Keypad

The NQ10T has 12 physic keys, F1, F2, F3, OK, four navigation keys (Up/Down/Left/Right), Recent Apps, Home, Back, and Power.

Note: The F1, F2, and F3 keys are user programmable.

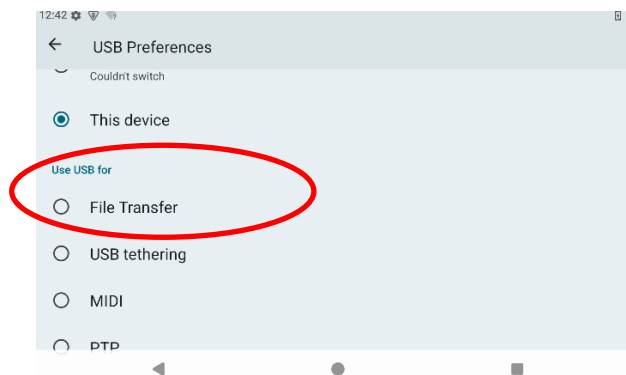
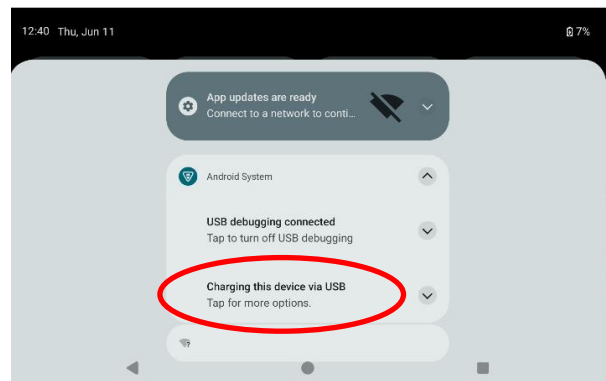
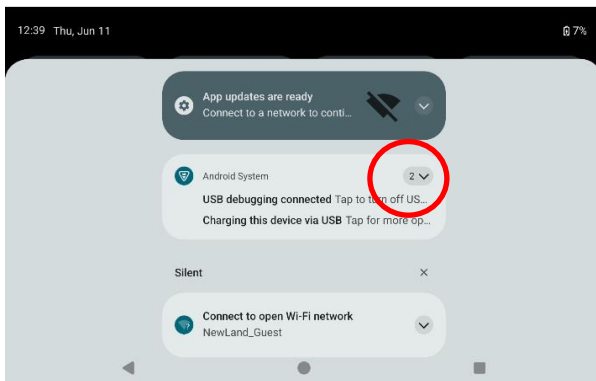
## Communicating with PC

Step 1: Connect the USB port on the NQ10T to your computer with the included USB cable.

Step 2: Switch the NQ10T on. On the Home screen, swipe from top to bottom with one finger in one smooth motion to open the notification bar as shown below.

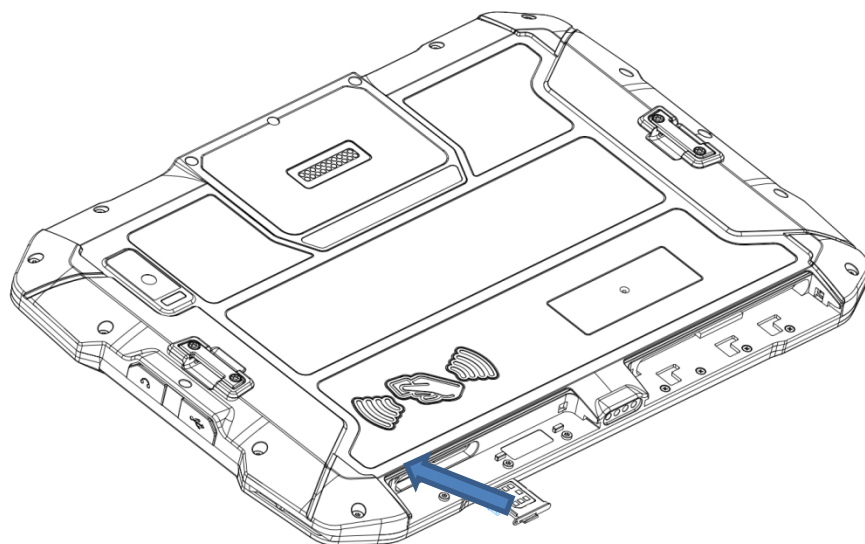
Step 3: Tap “Android System” then “Charging this device via USB, Tap for more options”.

Step 4: Select “File Transfer”. Navigate to the “My Computer” section of your computer and look for the newly added drive. Double-click it and you will be connected to the NQ10T. Then you may handle the files on the terminal through your computer.



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## Installing the SIM Card



Step 1: Slide the battery cover latch to the unlock position and remove the cover.

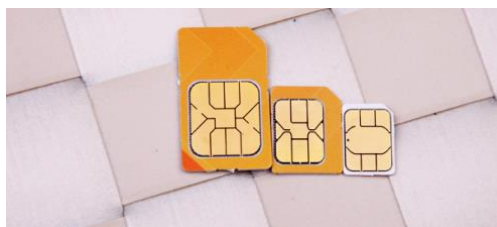
Step 2: Pull the tray out from the SIM card slot.

Step 2: Insert the Nano SIM card into the tray and then gently push the tray all the way into the slot until it locks in place.

**Note:** There are three kinds of SIM cards in the market:

1. **SIM:** Size 25mm × 15mm × 0.8mm
2. **Micro SIM:** Size 12mm × 15mm × 0.8mm
3. **Nano SIM:** Size 12.3mm × 8.8mm × 0.7mm

NQ10T can only support **Nano SIM**.



## Chapter 3 Basics

### Introduction

This chapter provides the basics of setting and using the NQ10T

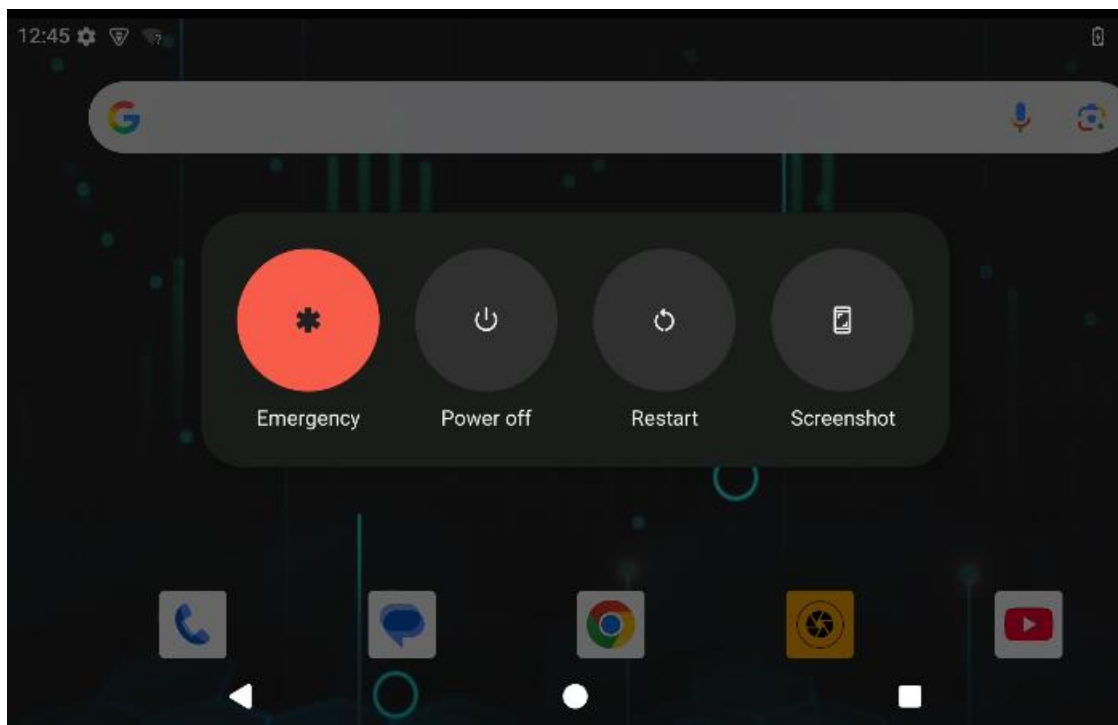
### Switching On/Rebooting/Switching Off the NQ10T

After installing the SIM card and battery and having the NQ10T fully charged, you may switch the terminal on.

**Switch the NQ10T on:** Hold down the red Power key on the bottom of the terminal until the Android logo is displayed. Note that the initialization is going to take some time before the NQ10T displays the Home screen.

**Reboot the NQ10T:** Hold down red Power key on the bottom of the terminal until the window below pops up, then tap “Restart”.

**Switch the NQ10T off:** Hold down red Power key on the bottom of the terminal until the window below pops up, then tap “Power off”.



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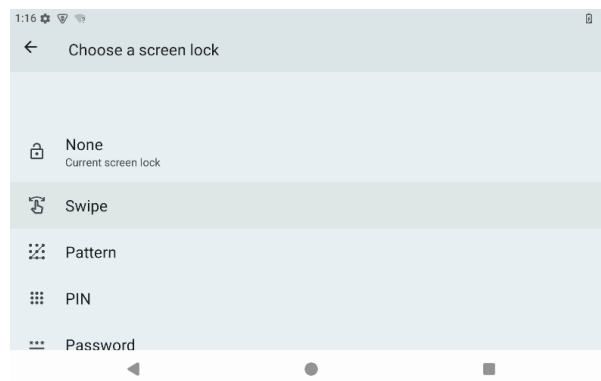
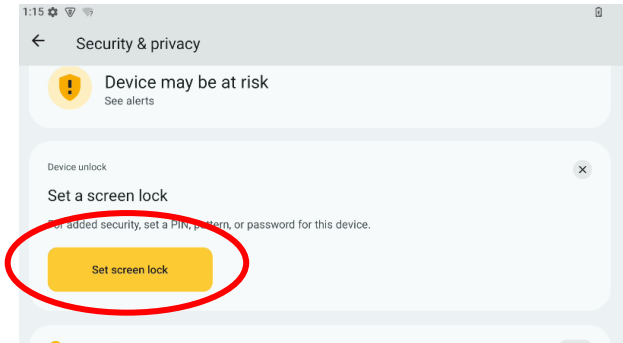
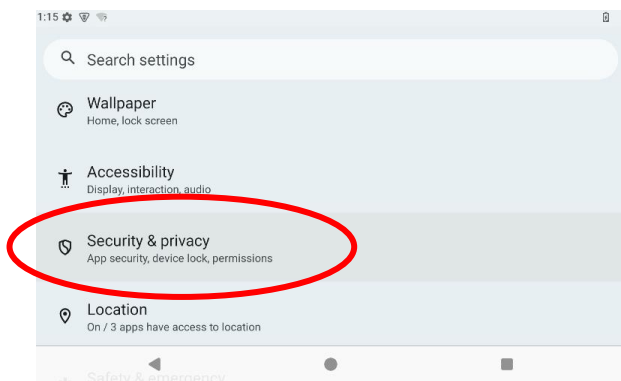
## Locking/Unlocking the NQ10T



Tap the app icon  and then “Security” -> “Security& privacy” -> “Set screen lock” and set the screen lock mode per your needs.

**Lock the NQ10T:** Briefly press red Power key on the bottom of the terminal. If no operation is performed on the NQ10T for a preset period, the NQ10T will lock automatically and enter sleep mode to save power.

**Unlock the NQ10T:** Briefly press red Power key on the bottom of the terminal and swipe up from the bottom of the screen to enter the screen lock mode, then unlock it per the previous setting mode.



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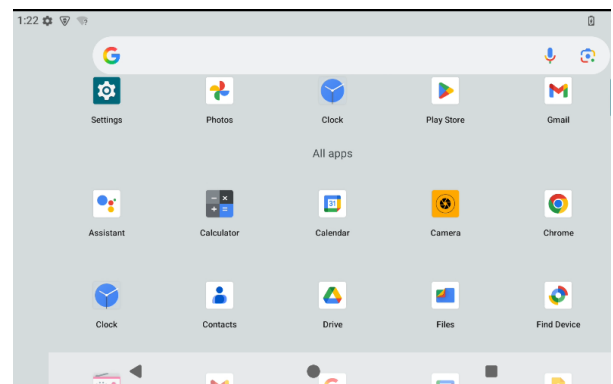
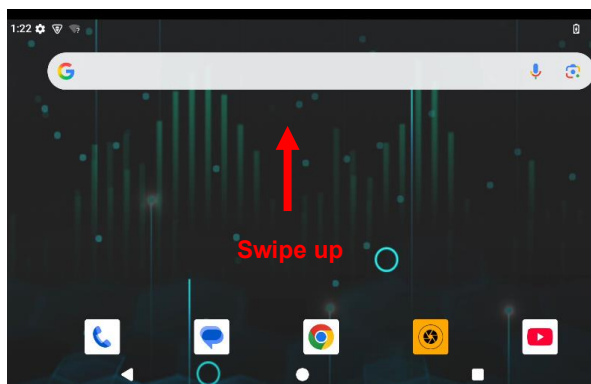
## Home Screen

**View another Home screen:** Swipe left or right.

**Go to the Home screen:** Tap the Home key.

**Open an app:** Tap it.

**View all apps/Open apps list:** Swipe up from the bottom of the screen to view all the apps.



**Apps list**

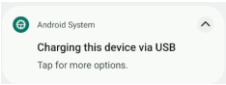
**Add an app icon to the Home screen:** Swipe up from the bottom of the screen to view all the apps. Tap and hold your desired app until it appears on the Home screen and then drag it into a blank area.

**Delete an app icon on the Home screen:** Tap and hold your desired app on the Home screen until "X Remove" appears, then drag the app into it. Note that this operation only removes the icon from the Home screen. To remove the app from the NQ10T, see the **Uninstalling App** section.

---

## Status Icons

The icons in the notification bar at the top of the screen give information about the NQ10T.

| Status Icon                                                                         | Description        | Status Icon                                                                         | Description                  |
|-------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|------------------------------|
|    | WLAN on            |    | Signal Strength              |
|    | Bluetooth on       |    | Airplane Mode on             |
|    | USB Connected      |   | USB Debugging                |
|    | Missed Calls       |    | Battery Charging in Progress |
|   | New Message        |   | Hotspot & Tethering          |
|  | Positioning        |  | Power Saving Mode            |
|  | Don't Disturb Mode |  | Vibrate on                   |

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## Installing App

Use one of the following methods to install a new app on the NQ10T:

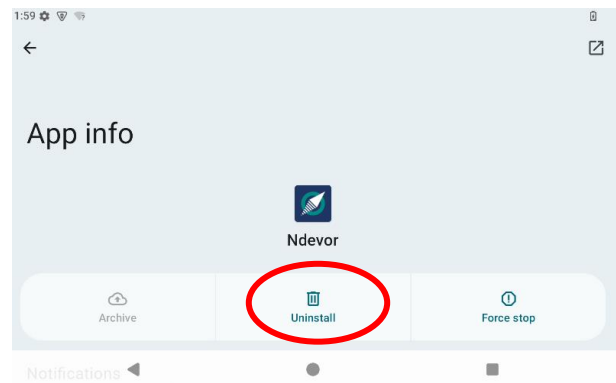
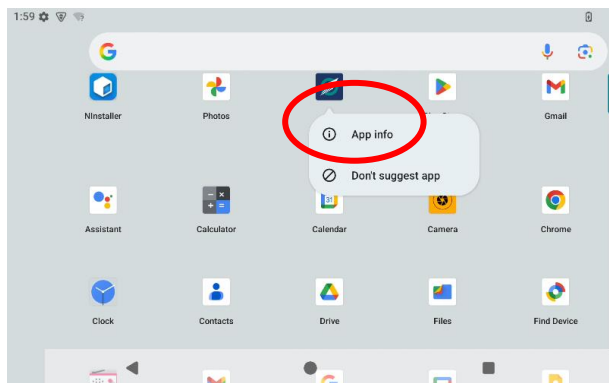
1. Download an APK file from the online app store and install it.
2. Download software package onto a MicroSD card or PC and copy it to your terminal. Then install it with File Manager.
3. Install Newland app using NInstaller APP installed on the PC.

## Uninstalling App

Follow the procedure below to remove an app from the NQ10T:

Swipe Home screen from bottom to top with one finger in one smooth motion to view all the apps. Tap and hold your desired app until “App info” appears, then tap “UNINSTALL” and uninstall it

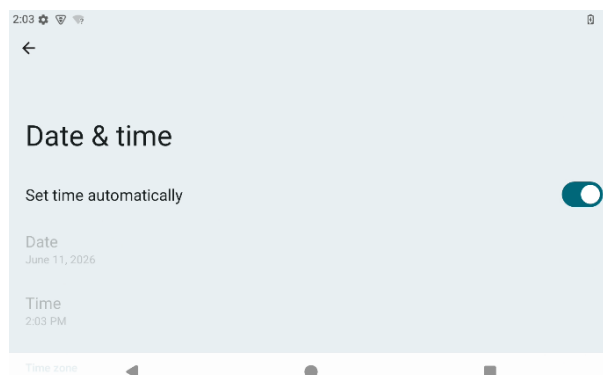
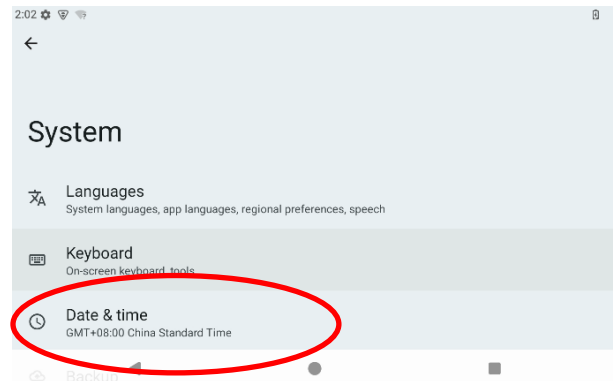
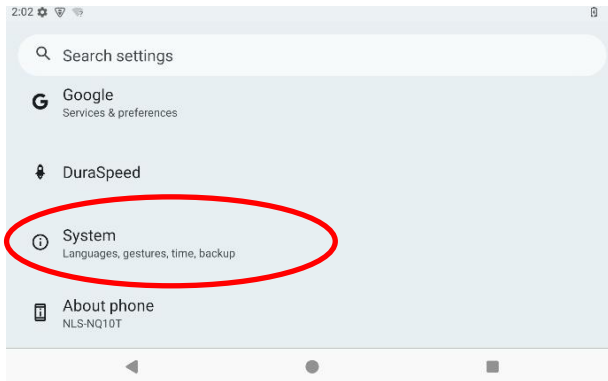
\*The application that comes with the system cannot be uninstalled.



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## Date & Time

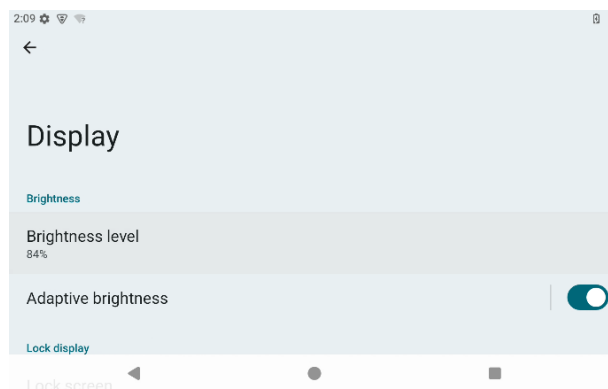
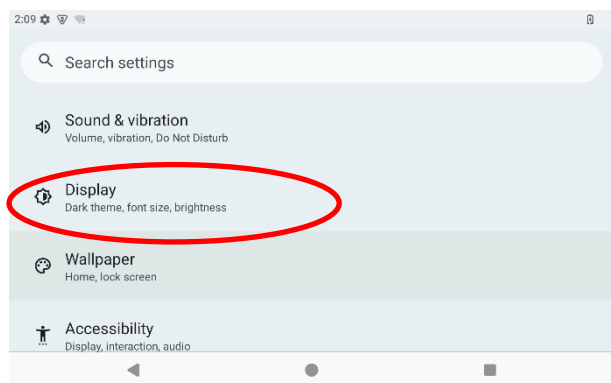
**Set the date and time:** Tap the app icon  and then “System” -> “Date & time” and set the date and time on the screen shown below as per your needs.



---

## Display

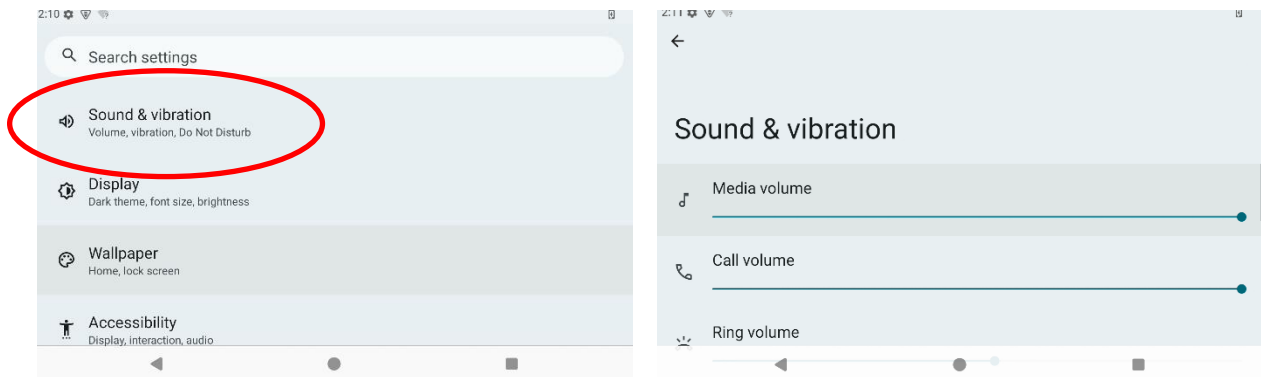
Tap the app icon  and then “Display”, and set the brightness level, dark theme, night light, adaptive brightness, and other parameters on the screen shown below as per your needs.



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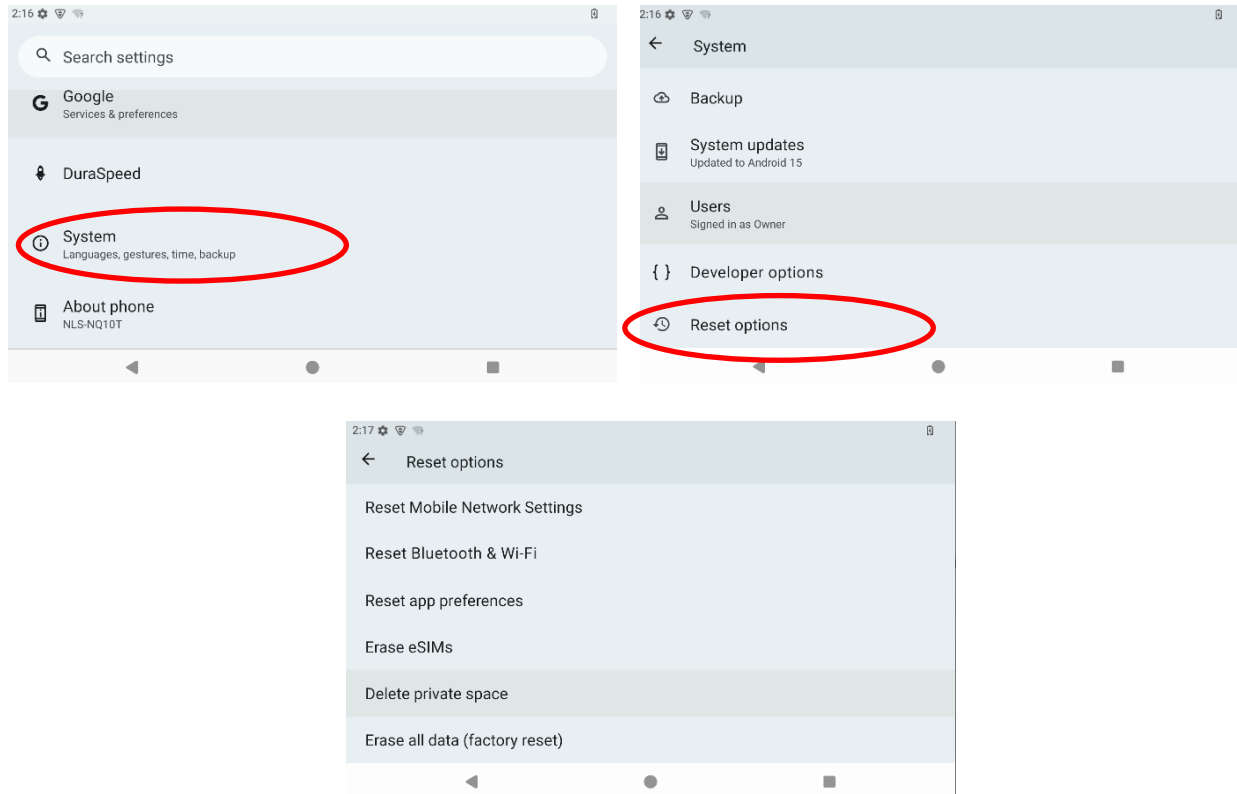
## Ringtones

Tap the app icon  -> "Sound". Then set the ringtones and other notification sounds as per your needs.

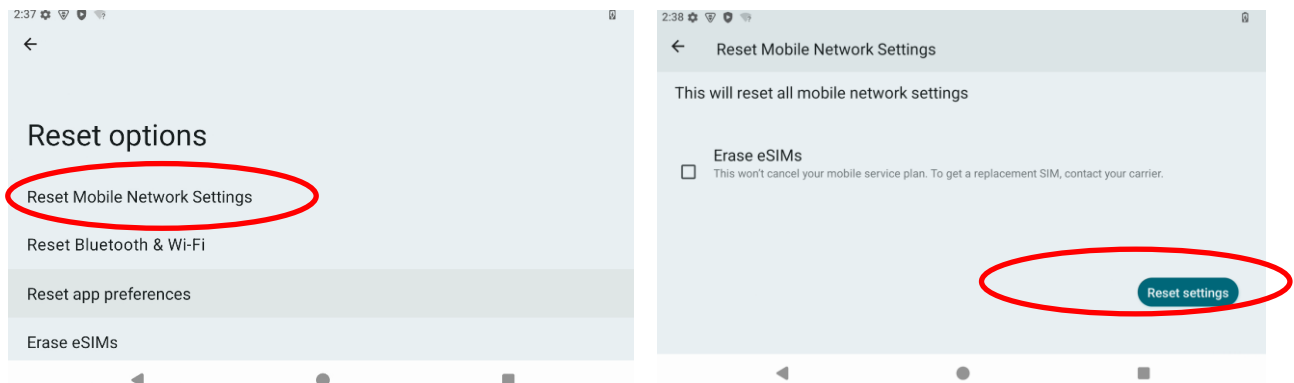


## Restoring Factory Settings

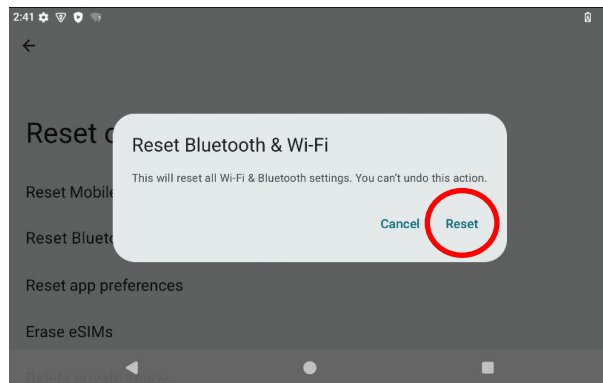
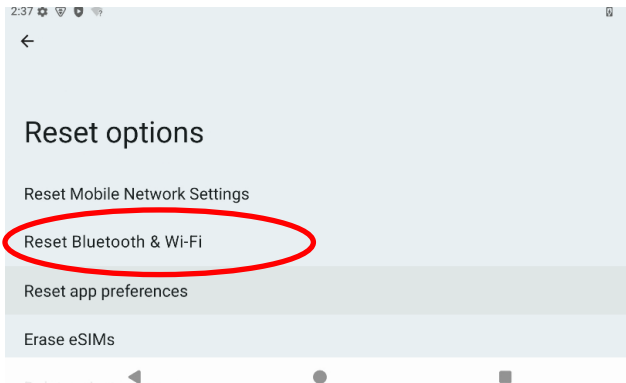
Tap the app icon  -> "System" -> "Reset options". You can then reset the network, apps, or device.



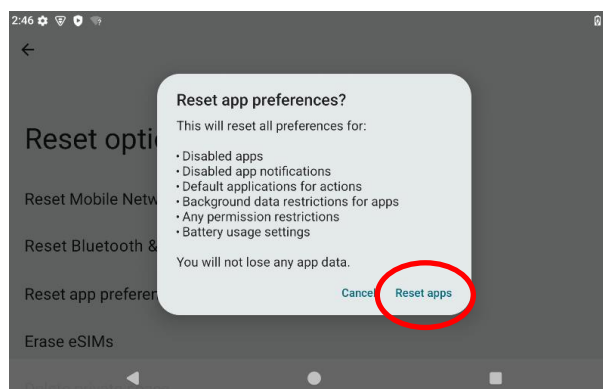
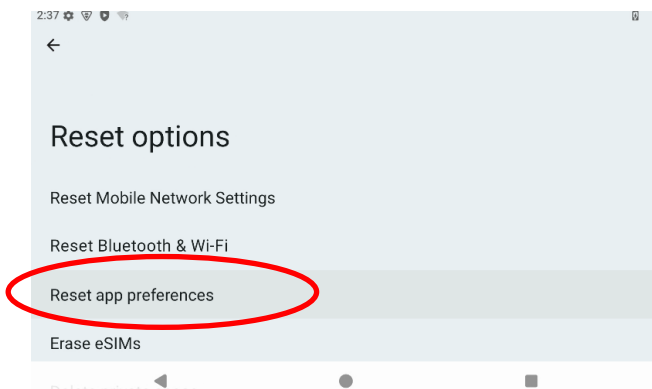
1. To reset mobile network settings, tap "Reset Mobile Network Settings" -> "Reset settings".



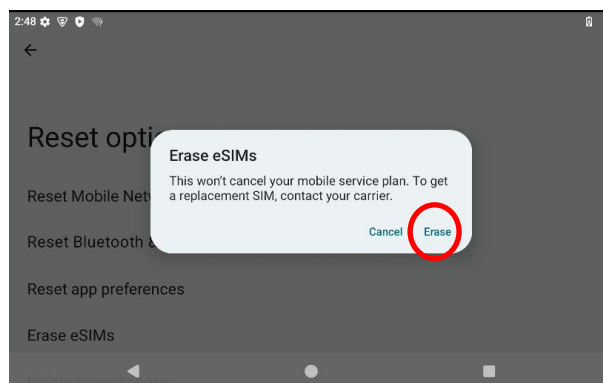
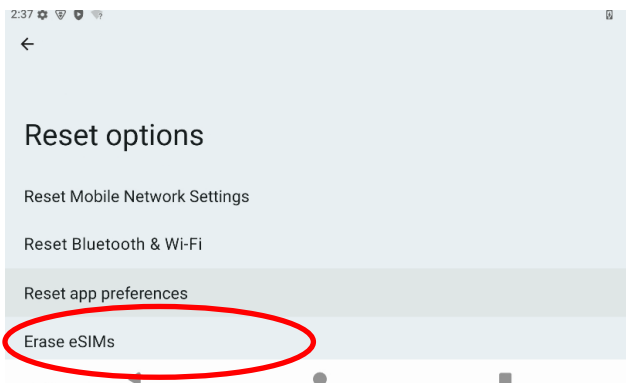
2. To reset Bluetooth and WLAN, tap “Reset Bluetooth & Wi-Fi” -> “Reset”.



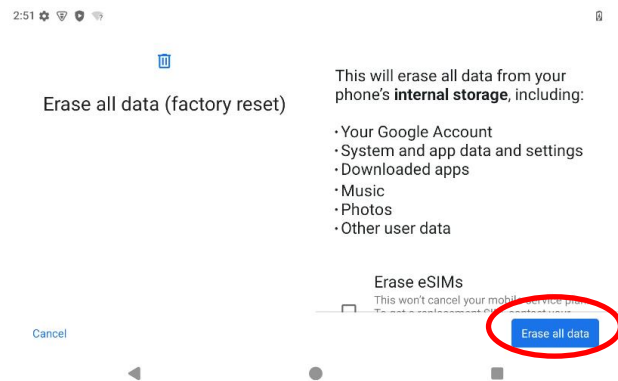
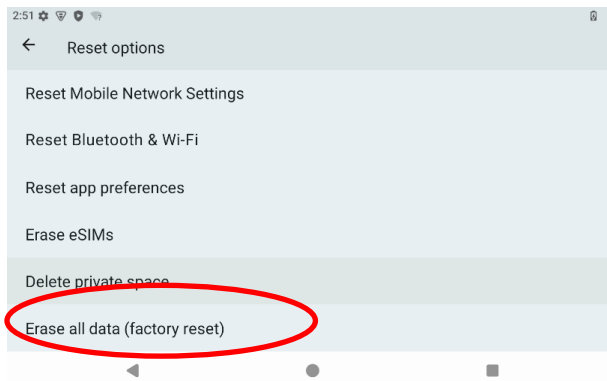
3. To reset app preferences, tap “Reset app preferences” -> “Reset apps”.



4. To erase the eSIMs, tap “Erase eSIMs” -> “Erase”.



5. To restore factory settings, tap “Erase all data (factory reset)” -> “Erase all data”. The device will restore to factory settings.

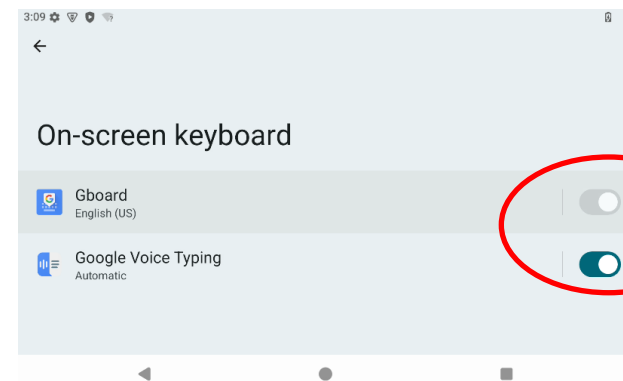
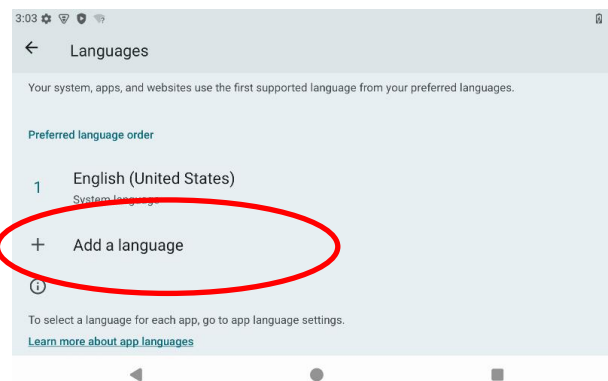
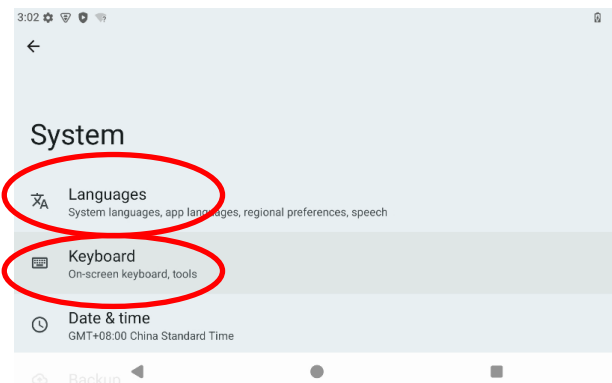
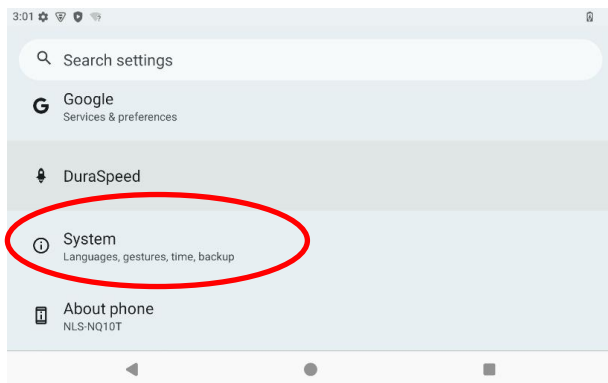


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## Language & Input Method

Tap the app icon  -> "System"-> "Languages". Then set the language as per your needs.

Tap the app icon  -> "System"-> "Keyboard" -> "On-screen keyboard". Then set the input method as per your needs.



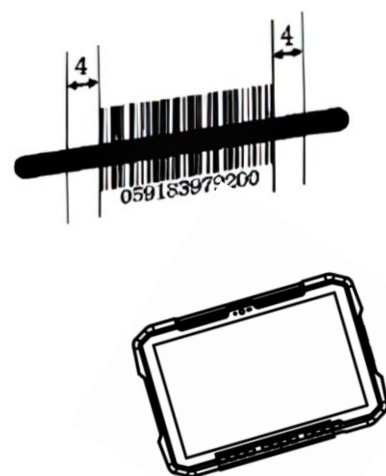
# Chapter 4 Scanning Barcodes

## Introduction

This chapter includes scanning tips and instructions for setting up the scanner.

## Scanning 1D Barcode

Adjust the scan angle or the distance between the NQ10T and the target barcode to ensure the length of the laser beam is roughly 8mm greater than that of the barcode, as shown below.



| Correct                                                                             | Wrong                                                                                |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |
|  |  |
|  |  |

---

## Scanning 2D Barcode

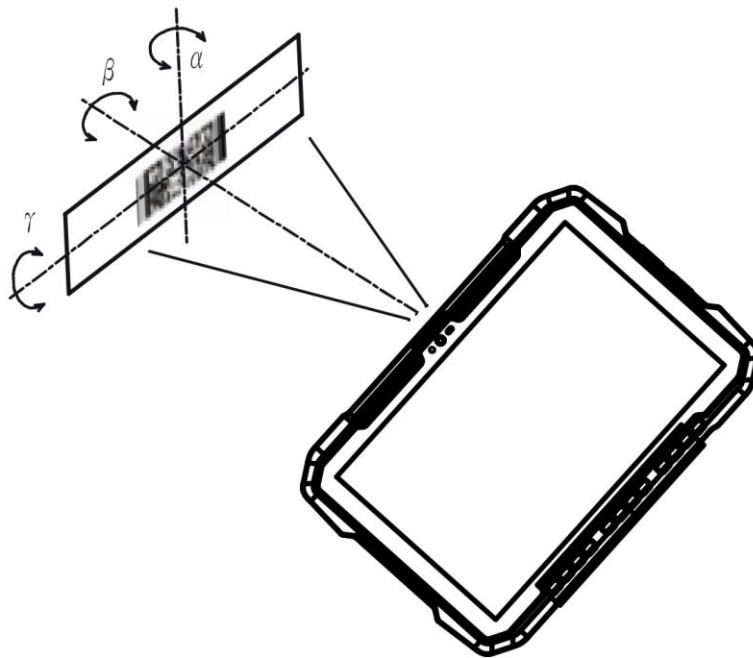
Adjust the scan angle and the distance between the NQ10T and the target barcode to make them fall into the following ranges:

1. Point the NQ10T's focus lamp at the center of the barcode.
2. Move the NQ10T until you find the appropriate scan distance.
3. Optimum scan angles:

Skew ( $\alpha$ ) < 45° (0° preferably)

Pitch ( $\gamma$ ) < 45° (5° - 20° preferably)

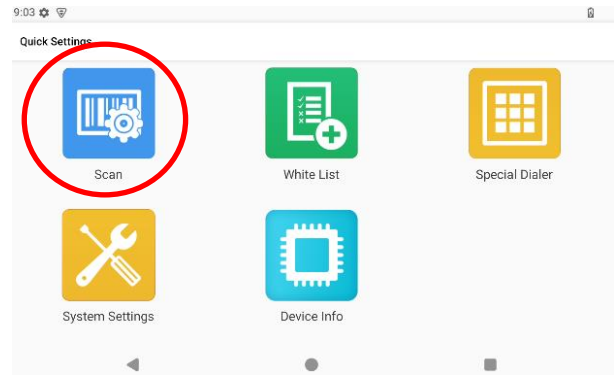
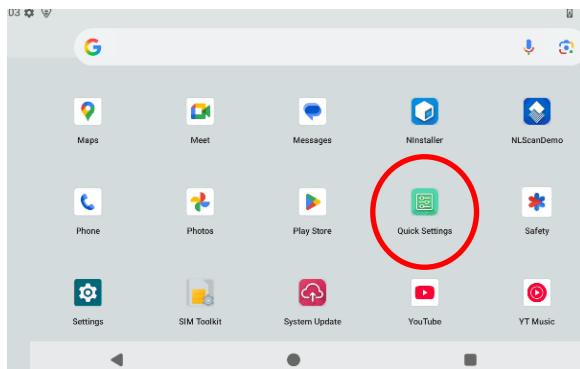
Roll ( $\beta$ ) = 0° - 360°



v

## Programming Scanner

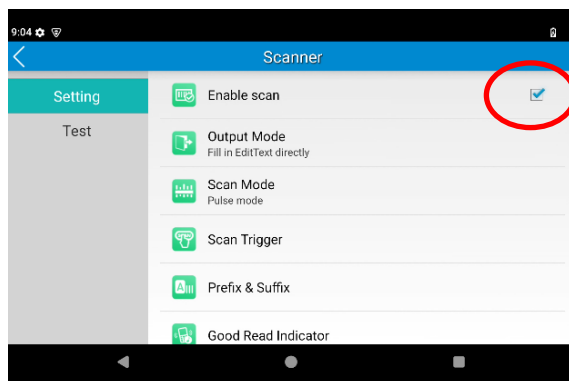
Tap the app icon  on the Home screen ->  Scan Setting. Then configure the scanner parameters as per your actual needs.



---

## Enable Scan

Check or uncheck the “Enable scan” item to enable or disable the scanning feature of the NQ10T.



---

## Output Mode

The NQ10T provides three output modes: Simulate keystroke, Output via API, and Fill in EditText directly.

1. **Simulate keystroke:** Output scanned data to keyboard buffer to simulate keyboard input.

Character interval (ms): A character interval of 0-100 milliseconds may be placed between the transmissions of each character of scanned data.

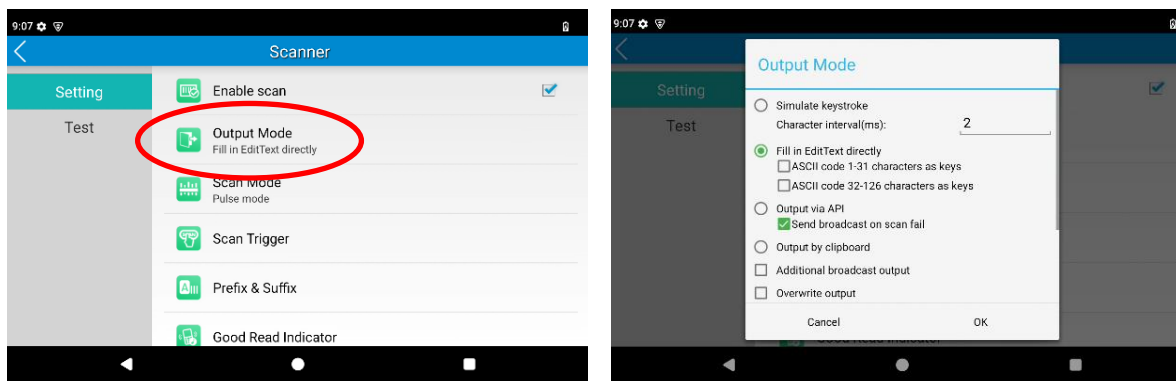
2. **Output via API:** Application acquires scanned data by receiving system broadcasts.

3. **Fill in EditText directly:** Output scanned data at the current cursor position in EditText.

**Overwrite output:** Clear the text input box before sending the barcode currently scanned to make sure only the most recently scanned data is present in the text input box. This feature is available only when **Simulate keystroke** or **Fill in EditText directly** is selected.

**Output enter-event:** Send an Enter Key after each barcode is scanned.

**Send virtual keyboard function:** Make send virtual keyboard function as “action done”, “action search”, “action previous”, action search, etc.



## Scan Mode

The NQ10T provides the following four scan modes:

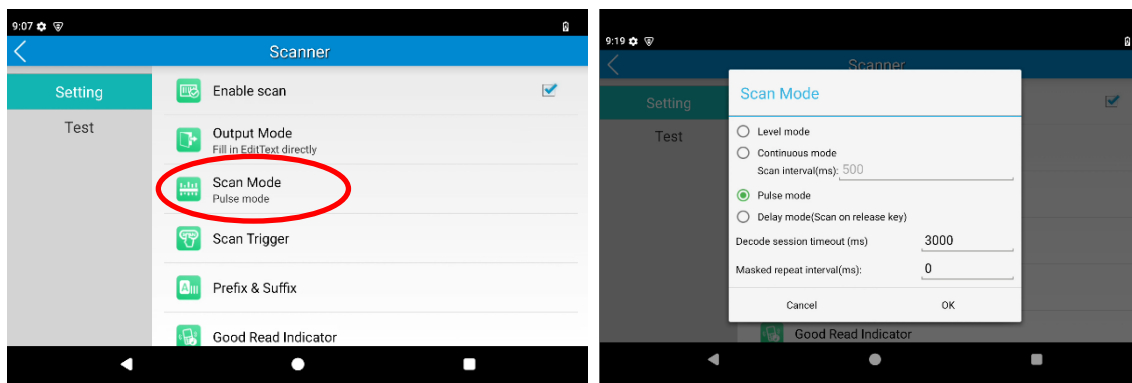
1. **Level mode:** Press and hold the scan trigger to start a decode session which continues until the trigger is released.
2. **Continuous mode:** Press the scan trigger to continuously read barcodes. To suspend or resume scan operation, simply press the scan trigger.

**Scan interval (ms):** This parameter sets the timeout between decode sessions.

3. **Pulse mode:** Press the scan trigger to start a decode session which continues until the decode session timeout expires.
4. **Delay mode (Scan on release key):** Press and hold the scan trigger to aim at barcode then release it to start a decode session which continues until the decode session timeout expires or a barcode is decoded. It is advised to use this scan mode and the **Acuscan Decoding** feature to ensure that only the desired barcodes are read if multiple barcodes are placed closely together.

**Decode session timeout (ms):** This parameter sets the maximum time decode session continues during a scan attempt.

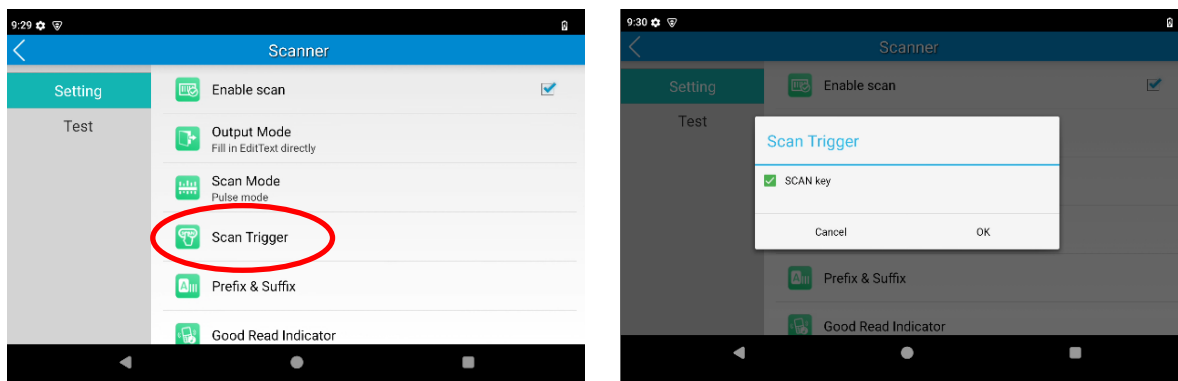
**Masked repeat interval (ms):** This parameter sets the time interval between two successive reads on the same barcode.



---

## Scan Trigger

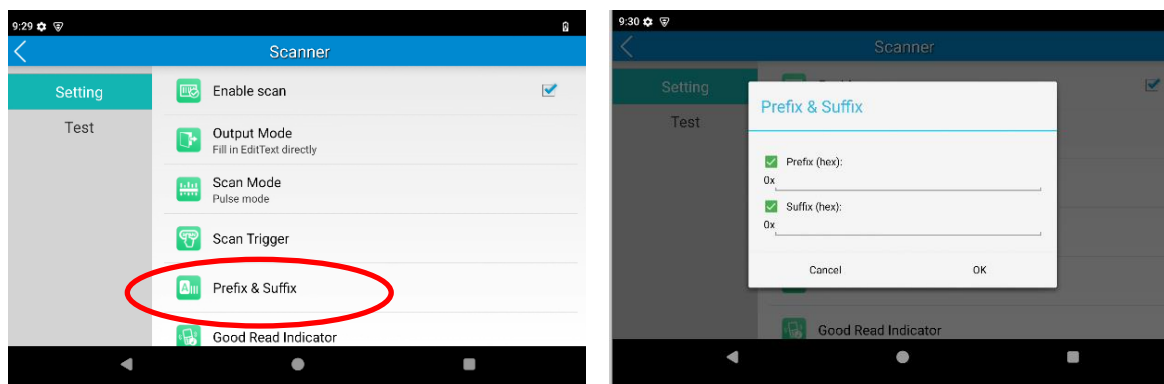
The F1 key on the terminal serves as the scan trigger by default. Enable or disable them as per your actual needs.



---

## Prefix & Suffix

To set the prefix/suffix, enter the hexadecimal value of a desired prefix/suffix, and then tap “OK”. For example, if you want to add a Line Feed character after each barcode, set the suffix to “0A”; if you want to add a Carriage Return character after each barcode, set the suffix to “0D”.

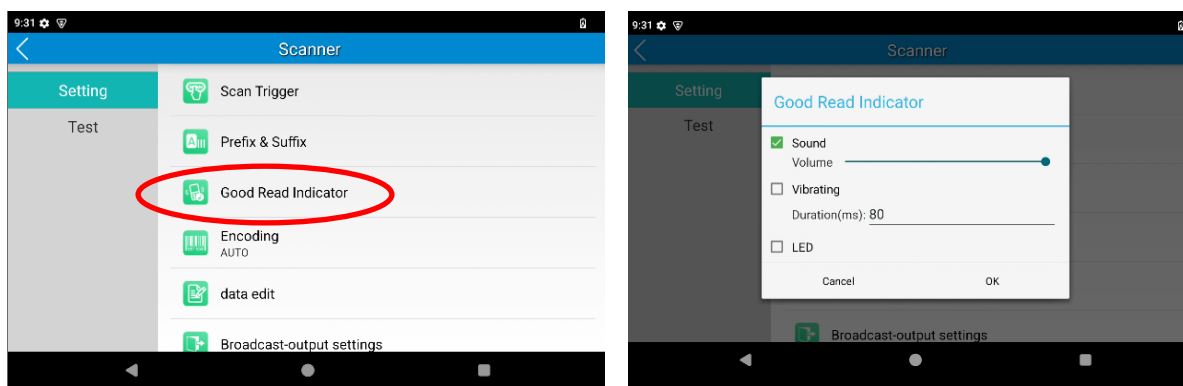


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## Good Read Indicator

The terminal can use sound/ vibration/ LED to indicate a good read. Choose one or more options as per your actual needs.

1. **Sound:** The NQ10T issues a short beep to indicate a good read.
2. **Vibrating:** The NQ10T vibrates to indicate a good read.
3. **LED:** The blue LED on the NQ10T flashes once to indicate a good read.

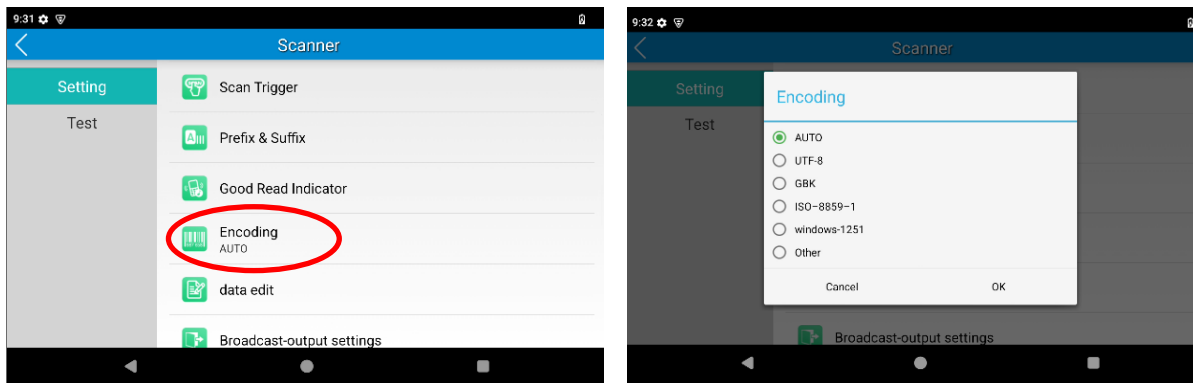


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## Encoding

Choose a character encoding to interpret barcode data.

1. **AUTO:** The terminal determines automatically if the target barcode uses UTF-8, GBK, ISO-8859-1, or windows-1251 encoding. If the terminal produces the wrong output, you may need to choose or enter a specific character encoding.
2. **UTF-8:** Dominant Unicode encoding.
3. **GBK:** A character encoding for Chinese characters.
4. **ISO-8859-1:** A common character encoding that covers Western European languages.
5. **windows-1251:** A character encoding designed to cover language that uses the Cyrillic alphabet such as Russian, Bulgarian, Serbian Cyrillic, and other languages.
6. **Other:** Enter a different character encoding when UTF-8, GBK, ISO-8859-1, and windows-1251 are not applicable. If the terminal does not support the encoding entered, this setting will fail.

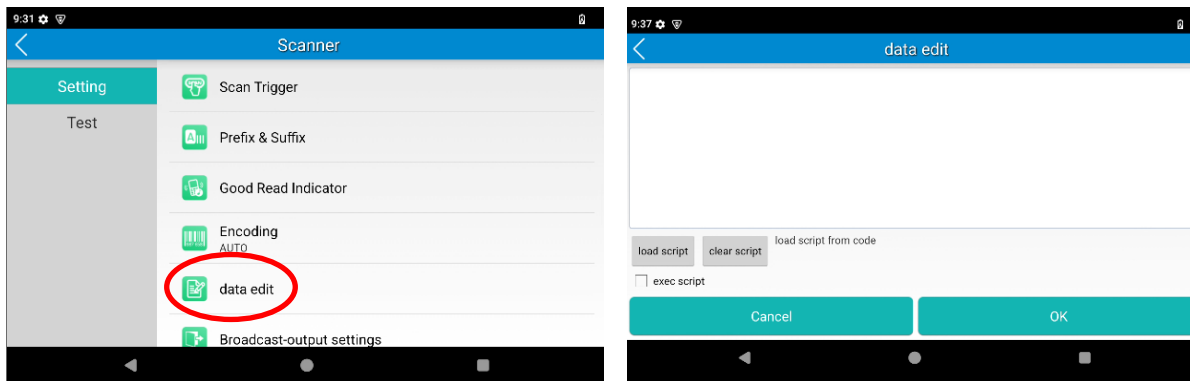


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## Data Edit

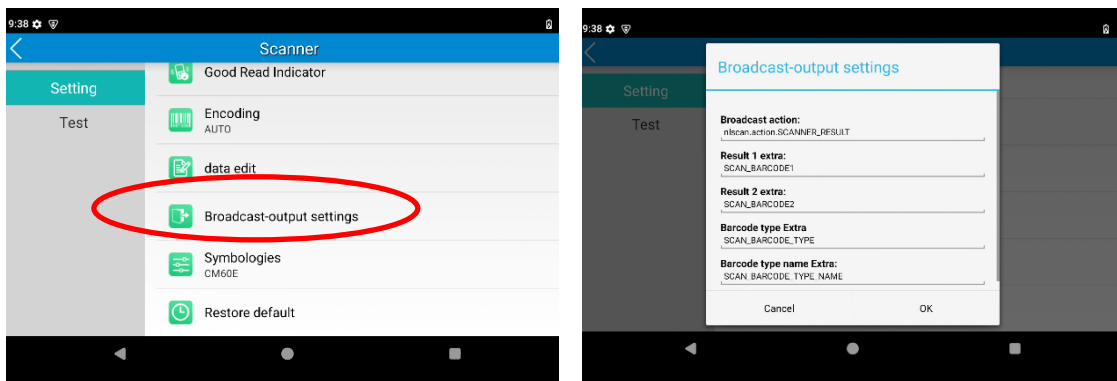
This feature allows you to edit barcode data with a script.

Tap “load script” and then select the desired script file on the terminal, or scan the 2D barcode that contains a script, to load the script. Then select “exec script” and tap “OK”.



## Broadcast-output Settings

When using broadcast as the scan output method, the NQ10T will output the scan information with the specified broadcast ACTION and EXTRA.



---

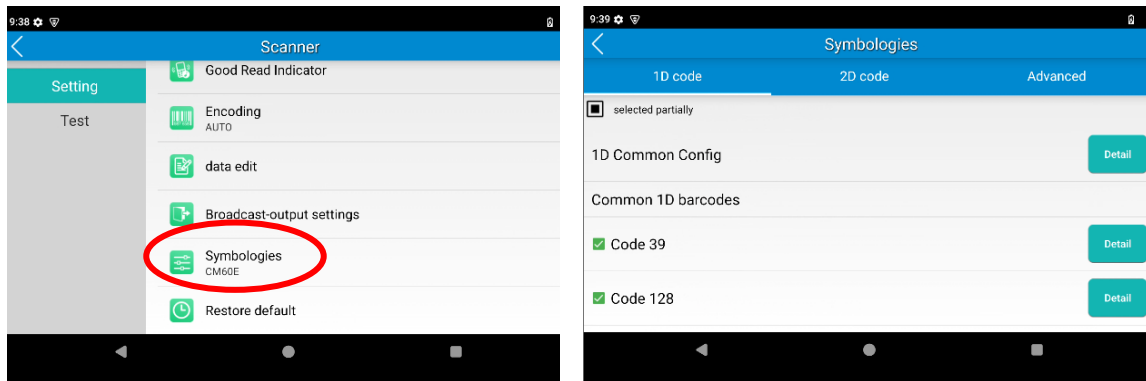
## Symbologies

Note that supported symbologies depend on the scan engine integrated in the terminal. Here we will take CM66 for example.

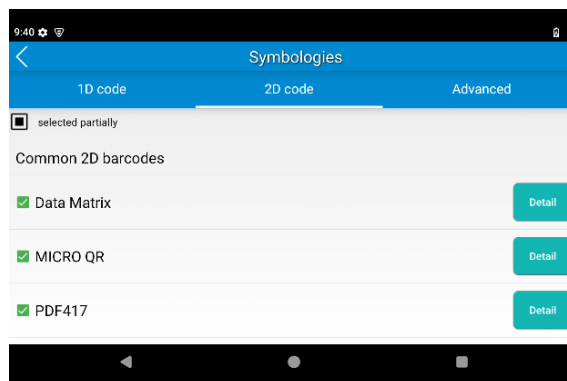
**1D code:** Enable or disable 1D symbologies and set other barcode parameters.

**Security Level:** Tap the 1D common config, then you can set the security level per actual need.

- 1) The higher the security level, the lower the error rate of code.
- 2) The barcode reading performance at the higher security level is not as smooth as that at low security. Therefore, the default security level is 1. Increase the security level only when the error rate is high.



**2D code:** Enable or disable 2D symbologies and set other barcode parameters.



**Advanced:** The features listed here are designed to improve the scanning performance and energy efficiency of the terminal.

1. **Acuscan Decoding:** When selected, the terminal only decodes the barcode aimed squarely by the aiming pattern. It is advised to select it to ensure that only the desired barcodes are read if multiple barcodes are placed closely together.

2. **Multiple Barcodes:** When selected, the terminal can decode multiple barcodes at the same time, and the maximum number of the barcodes can be set per actual needs.

3. **Other:** Tap **DETAIL** to access the following parameter settings.

**Noise Reduction:** This feature is designed to reduce noise in images produced by the terminal. However, the terminal shows a slight decrease in scanning speed when using this feature. It is recommended to enable it only when necessary.

**Exposure Level:** Select high, middle or low level per actual need.

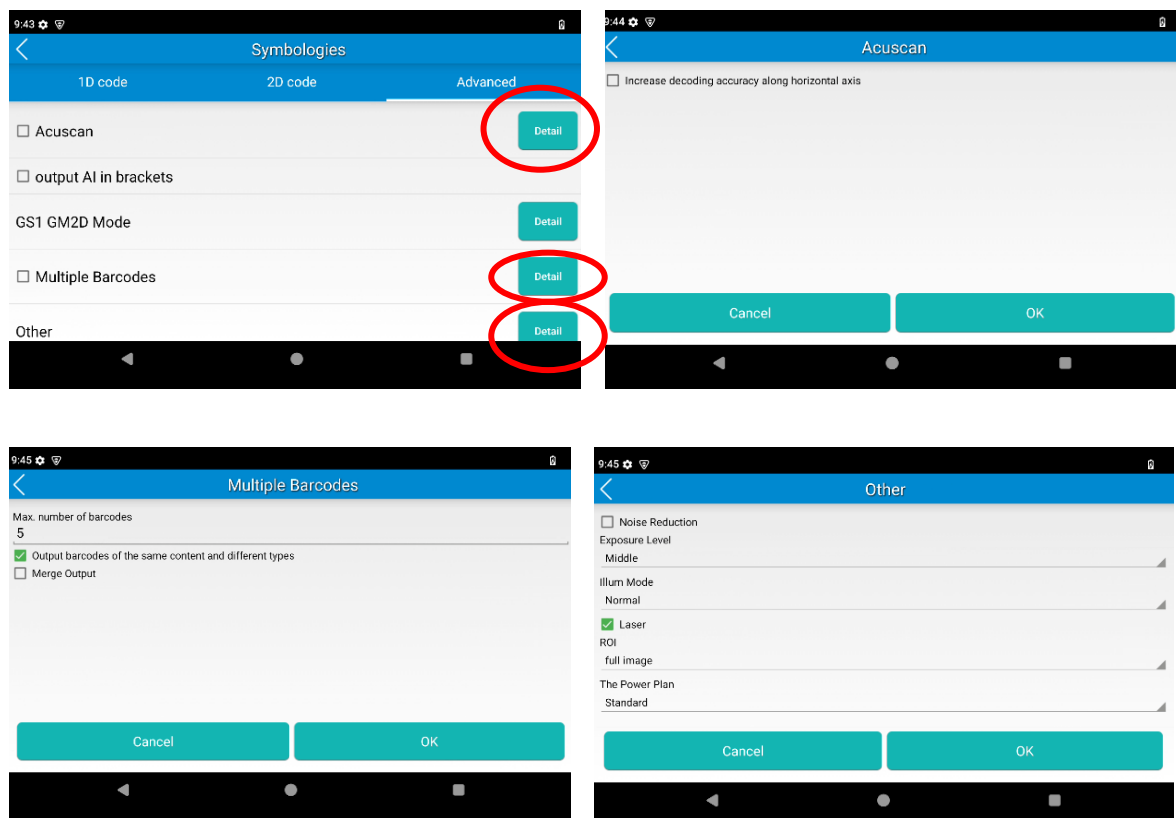
**Illum Mode:** Select normal or no light per actual need.

**Power Plan:** Two options are provided.

**Power Saving:** The terminal's built-in scanner turns off automatically after 3 seconds of inactivity.

**High-performance:** The terminal's built-in scanner turns off automatically after 15 seconds of inactivity.

**OCR Enable:** Select this check box when reading passports (compliant with ICAODoc9303 standards, TD1/TD2/TD3 supported).



## Chapter 5 Bluetooth

### Introduction

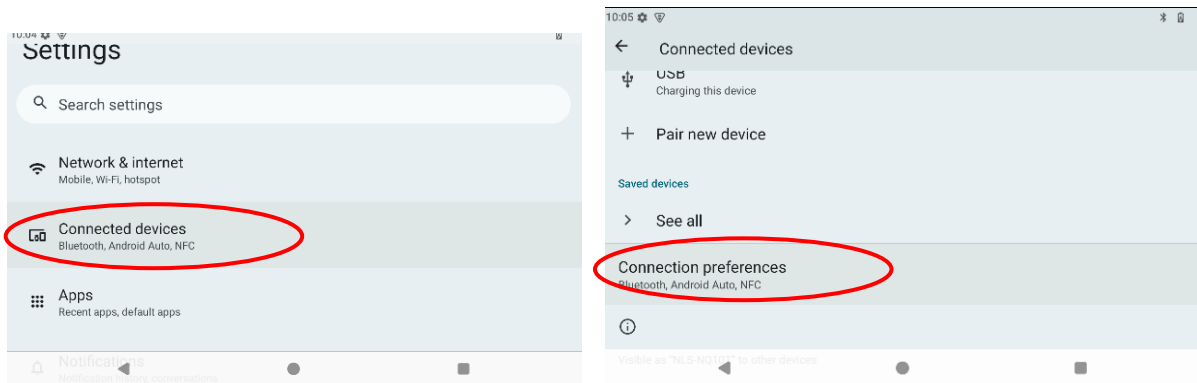
This chapter describes how to connect the NQ10T to other Bluetooth devices.

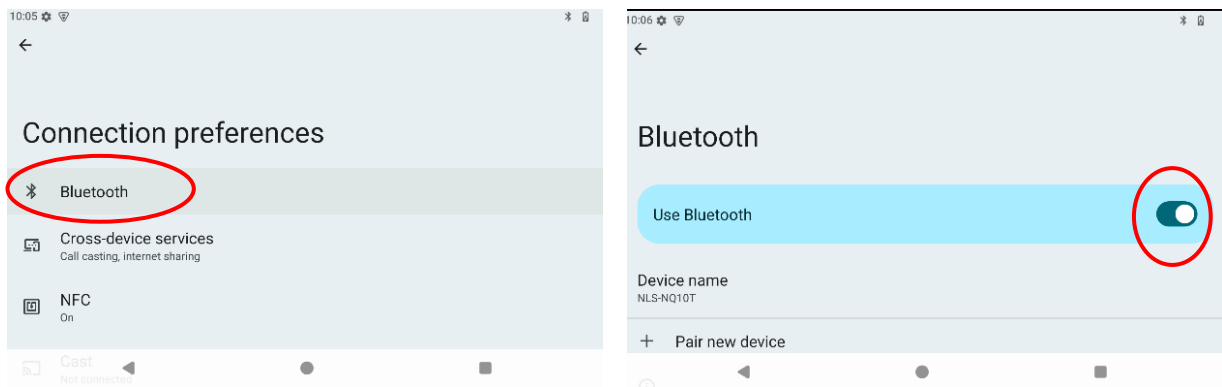
### Pair Bluetooth

You can set up a Bluetooth connection between the NQ10T and other Bluetooth devices, such as PC, mobile phone. Note that the Bluetooth connection works better if there are no obstacles between them.

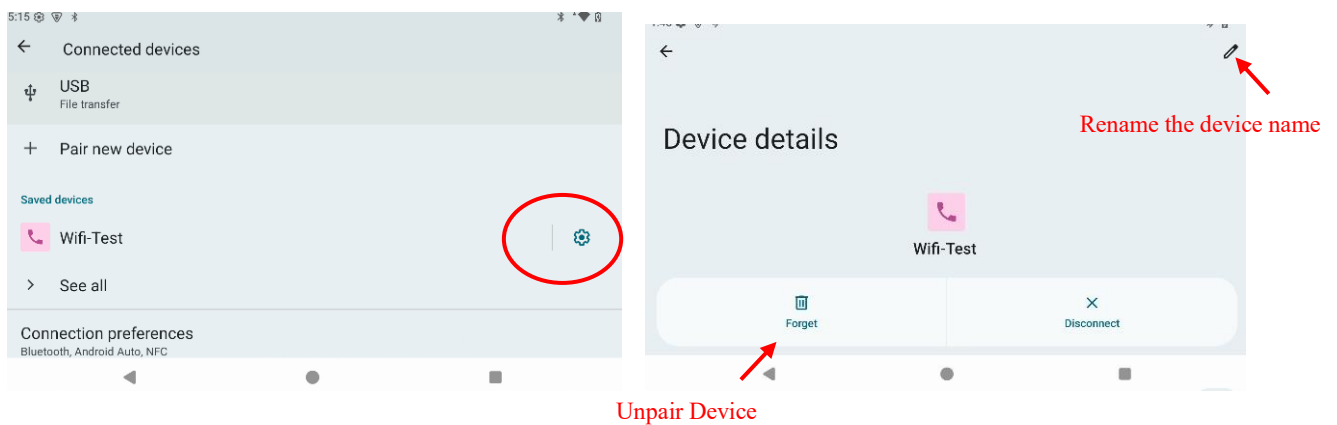
Before you can use a Bluetooth device with the NQ10T, you must first pair them.

1. Make the Bluetooth device visible to the NQ10T.
2. Tap the app icon  then “Connected devices” -> “Connection preferences” -> “Bluetooth”, and turn Bluetooth on to search for available Bluetooth devices.
3. Select the device from the search results to pair.
4. If prompted, input the pairing code and then tap “OK”; or if the pairing code is given automatically, then tap “PAIR”.





**Unpair/rename a paired Bluetooth device:** To rename the paired Bluetooth device, tap  next to the device name -> then tap  to edit its name manually-> tap "RENAME". To unpair it, tap "FORGET".



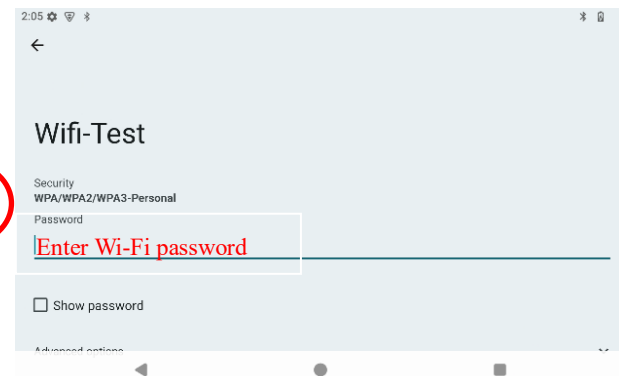
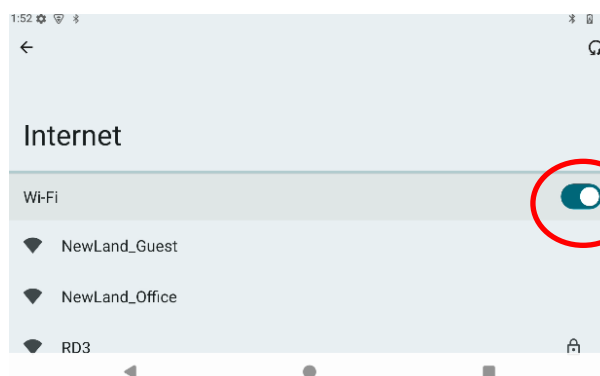
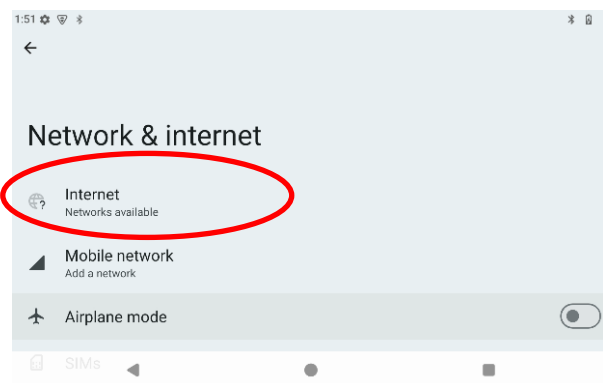
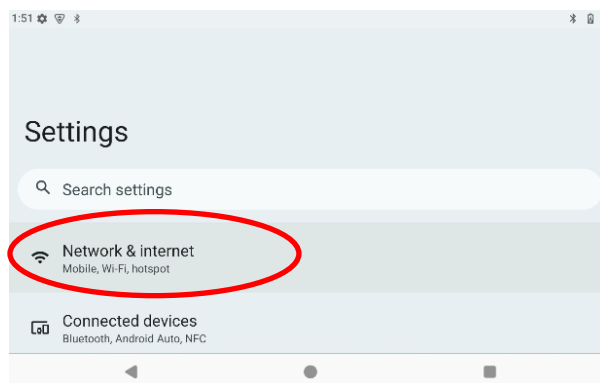
## Chapter 6 Wi-Fi

### Introduction

This chapter describes how to connect the NQ10T to a Wi-Fi network.

### Join a Wi-Fi Network

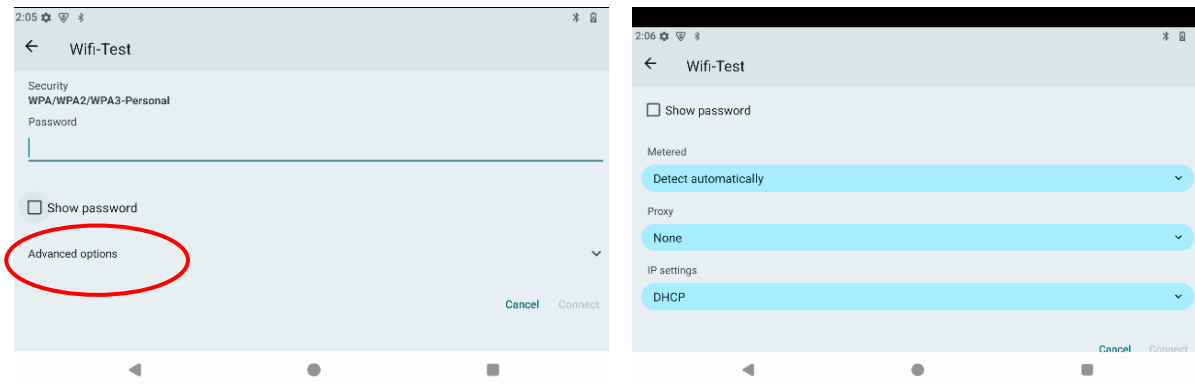
1. Tap the app icon  then “Network & Internet” -> “Internet” -> “Wi-Fi”, and turn Wi-Fi on to find available Wi-Fi networks.  
If Wi-Fi is already ON, then the terminal will automatically search for available networks.
2. Tap a network and then enter the password.
3. Tap “CONNECT”.



---

## Wi-Fi Settings

To set the “Metered”, “Proxy”, or “IP setting”, follow the first two steps of joining a Wi-Fi network, tap “Advanced options”, then select the desired option.

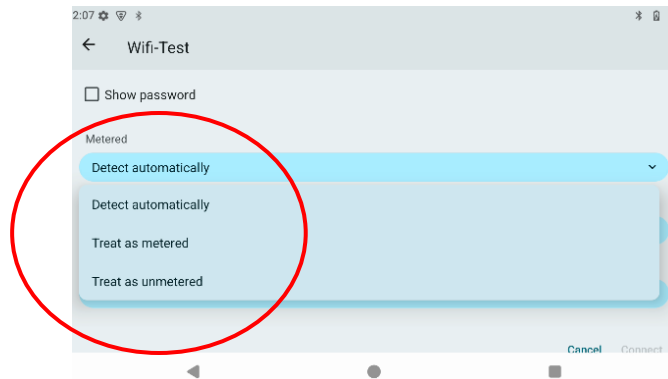


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## Metered

“**Metered**” can help us better understand the WI-FI network data usage of NQ10T.

1. **Detect automatically:** Set a Wi-Fi connection as metered or unmetered automatically.
2. **Treat as metered:** Set the Wi-Fi connection to a limited data plan. You can set your connection as metered to avoid additional charges.
3. **Treat as unmetered:** Set the Wi-Fi connection to unlimited data access.



---

## Proxy

The NQ10T Provides three types of Proxy: “None”, “Manual”, “Proxy Auto-Config”. To use the proxy function, you need a proxy server first. The address and port of the proxy server should be consulted with the proxy service provider.

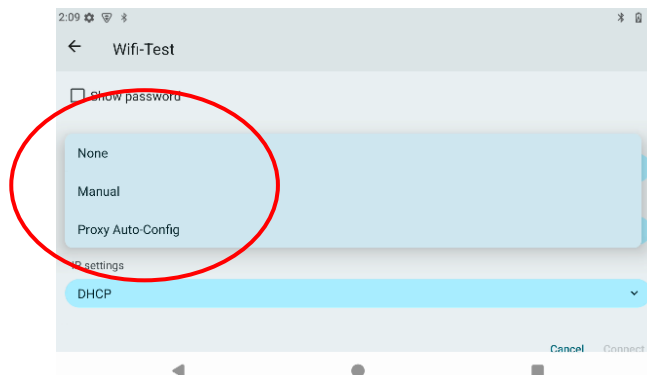
With the “proxy” setting, you can change from **direct access** to **transit through a proxy server to access the network**. Through the network strategy of the proxy server, the firewall can enhance the privacy and security of the network.

- 1) **None**: No proxy.
- 2) **Manual**: Manually enter proxy server settings.

Following parameters are needed to be filled:

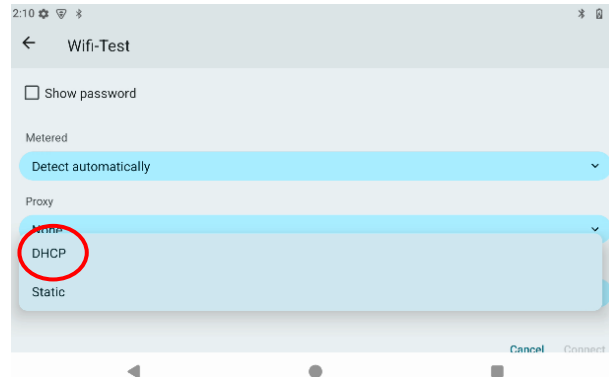
- a. Proxy hostname
- b. Proxy port
- c. The bypass proxy for: Such as local addresses, LAN addresses.

- 3) **Proxy Auto-Config**: Automatically detect the appropriate settings for your network



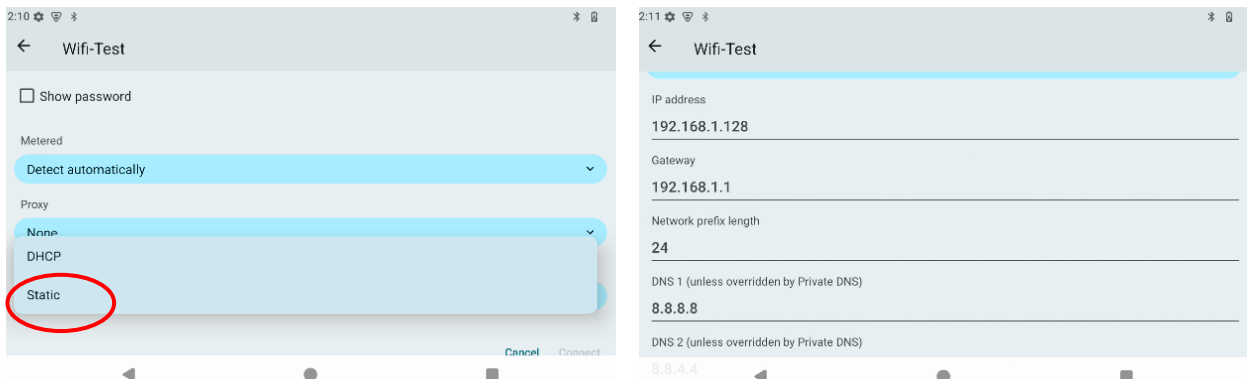
## IP Settings

1. Select “DHCP” to automatically obtain an IP address from the router through the DHCP service. The DHCP service should be turned on in the router, otherwise the IP address cannot be obtained.



2. Select “Static” to customize the IP address. This will help to avoid the network failure caused by the duplication of the IP address in the LAN or the disable of the DHCP service in the router etc.

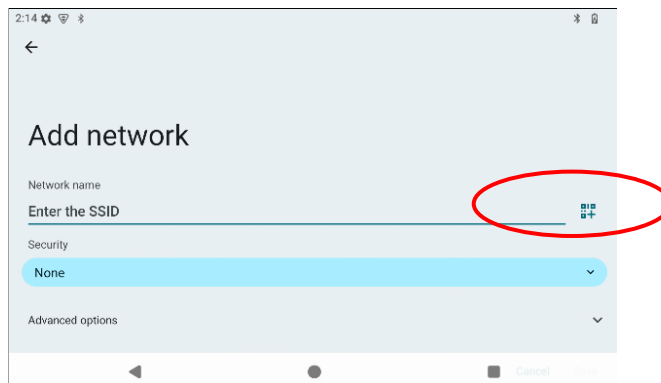
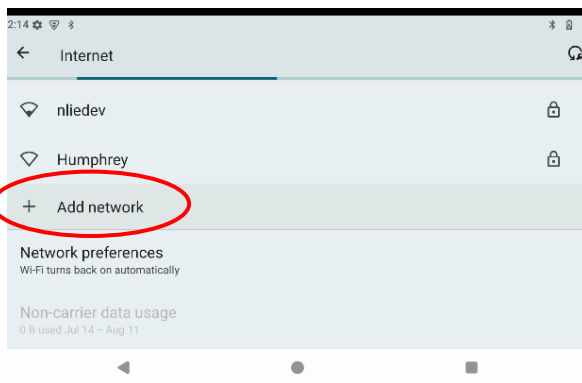
**Note:** To manually set a static IP address, you need to set it according to the range of IP addresses set in the router.



## Add Network

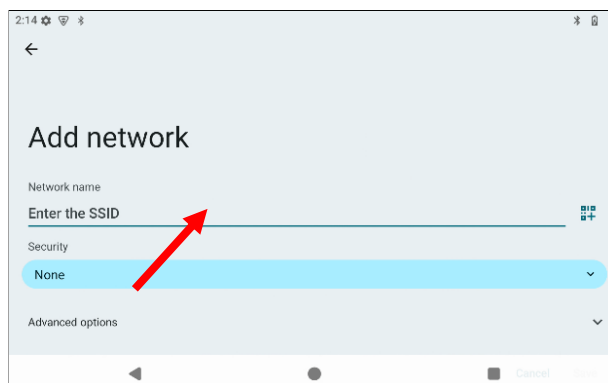
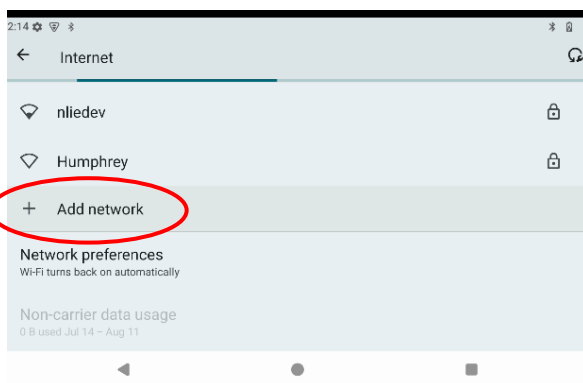
Tap the app icon  then “Network & Internet” -> “Internet” -> “Add Network”. There are two methods to add network:

1. Method One: Tap  to add a network by scanning a QR code.



2. Method Two: Manually add network

Step 1: Tap  and fill in the network name you want to add.



Step 2: Select the corresponding security option according to the encryption type of the router.

Supported security types: Enhanced Open, WEP, WPA/WPA2-Personal, WPA3-Personal, WPA/WPA2/WPA3-Enterprise, WPA3-Enterprise 192-bit.

Step 3: Enter the password and complete the other parameter per the actual network configuration.

Then click “Save” to complete the Wi-Fi addition.

---

2:18

← Add network

Network name

Enter the SSID

Security

None

Advanced options

Cancel Save

---

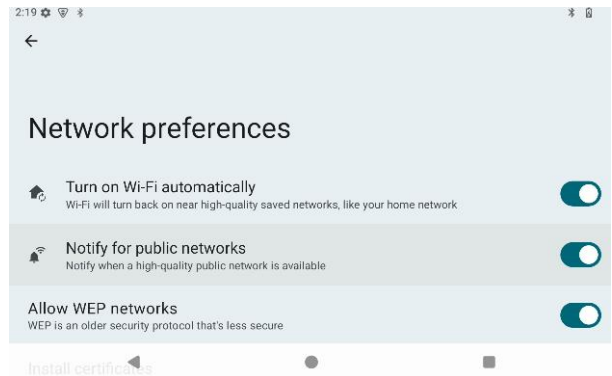
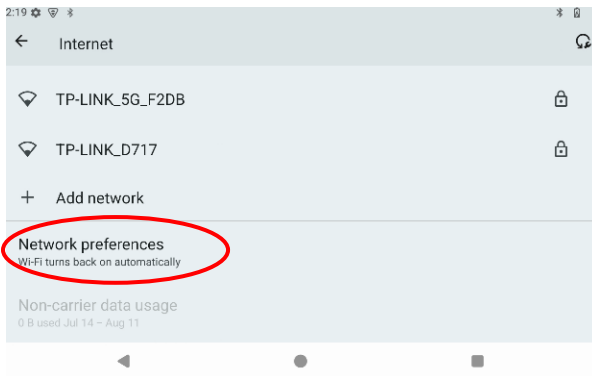
## Wi-Fi Preferences

Tap the app icon  then “Network & Internet” -> “Internet” -> “Network preferences”, and then you can enable functions like **turn on the WI-FI automatically** and **Notify for public networks** per actual need.

- a) **“Turn on WI-FI automatically”**: Wi-Fi will automatically connect to a saved high-quality network.

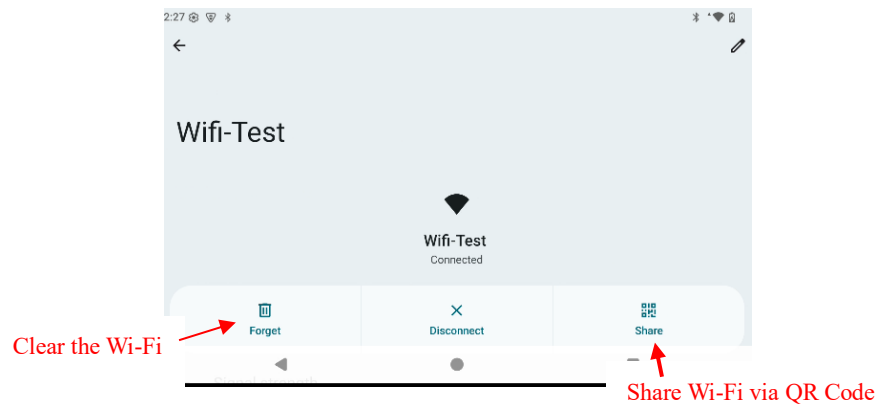
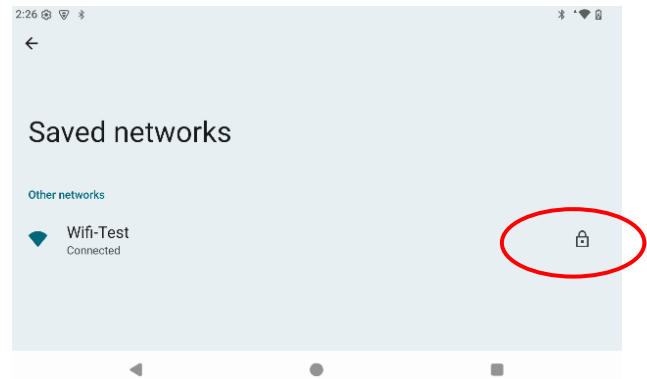
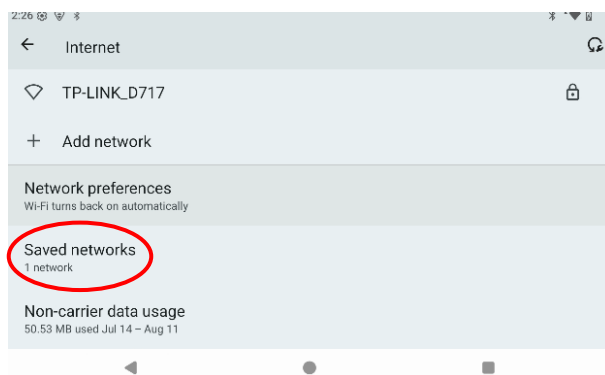
Note: To enable this function, you need to turn on the WLAN first.

- b) **“Notify for public networks”**: Notify when a high-quality public network is available.



## Saved Networks

Tap the app icon  then "Network & Internet" -> "Internet" -> "Saved networks", then you can view the networks saved, or set configurations like clear, disconnect, and share the network per your needs.



## Chapter 7 Mobile Network

### Introduction

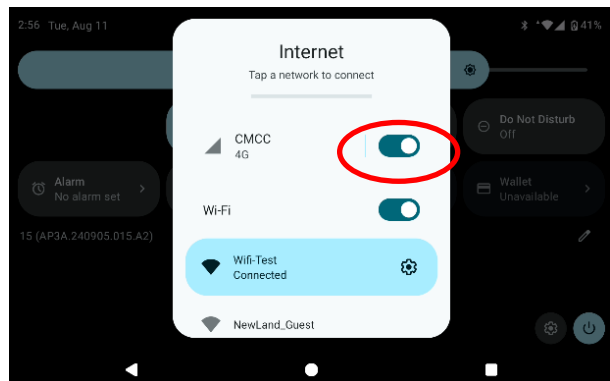
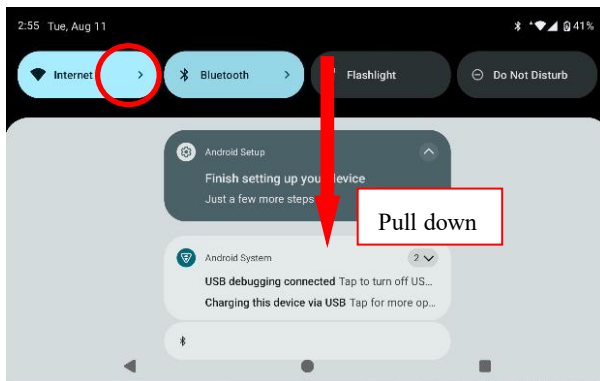
The NQ10T can also use a 4G network to connect to the internet. To establish a 4G connection, you must have a SIM card installed in your NQ10T.

### Mobile Network Settings

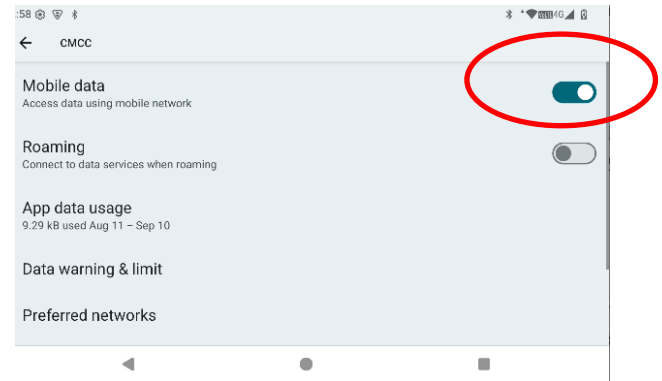
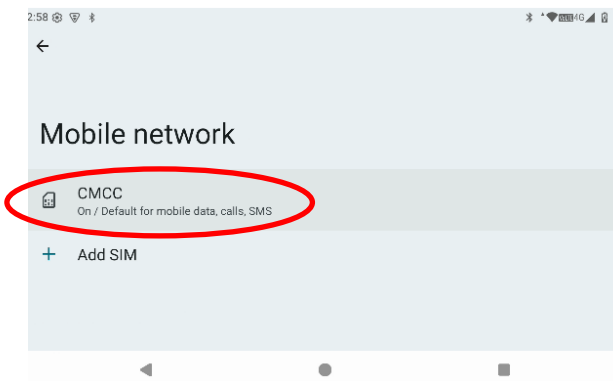
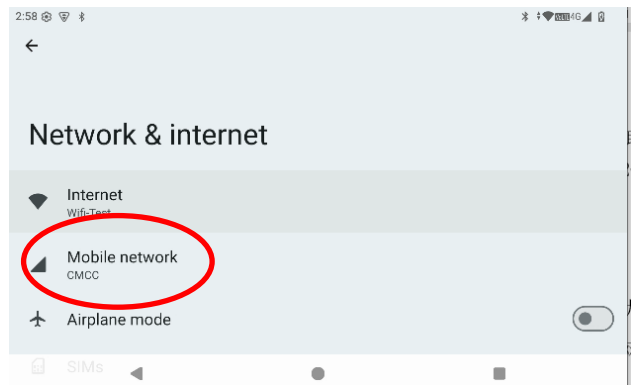
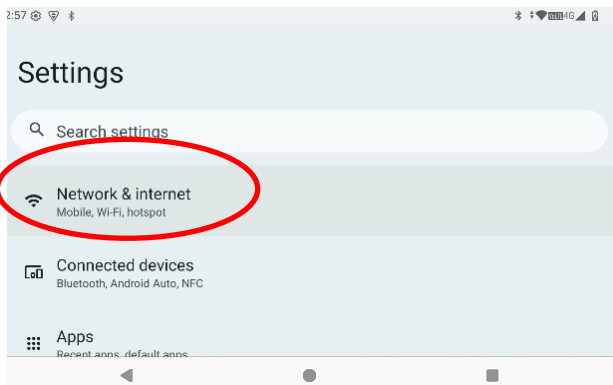
If no Wi-Fi networks are available, or if you have turned Wi-Fi off, then the NQ10T connects to the Internet via your cellular data network when available.

#### Turn on the cellular network:

1. Swipe down from top to bottom on the home screen and it will display the drop-down list. Find mobile network and tap it to turn Cellular data on.
2. Or Go to Settings-> “Network & Internet” -> “CMCC”-> turn on “Mobile network”



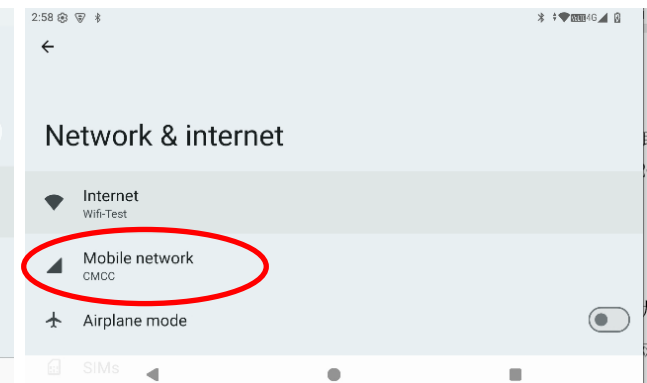
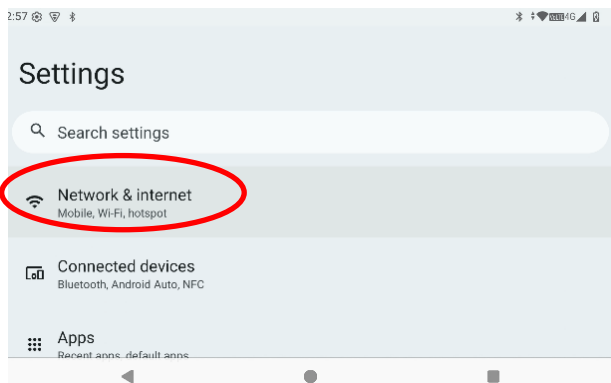
#### Option Two:

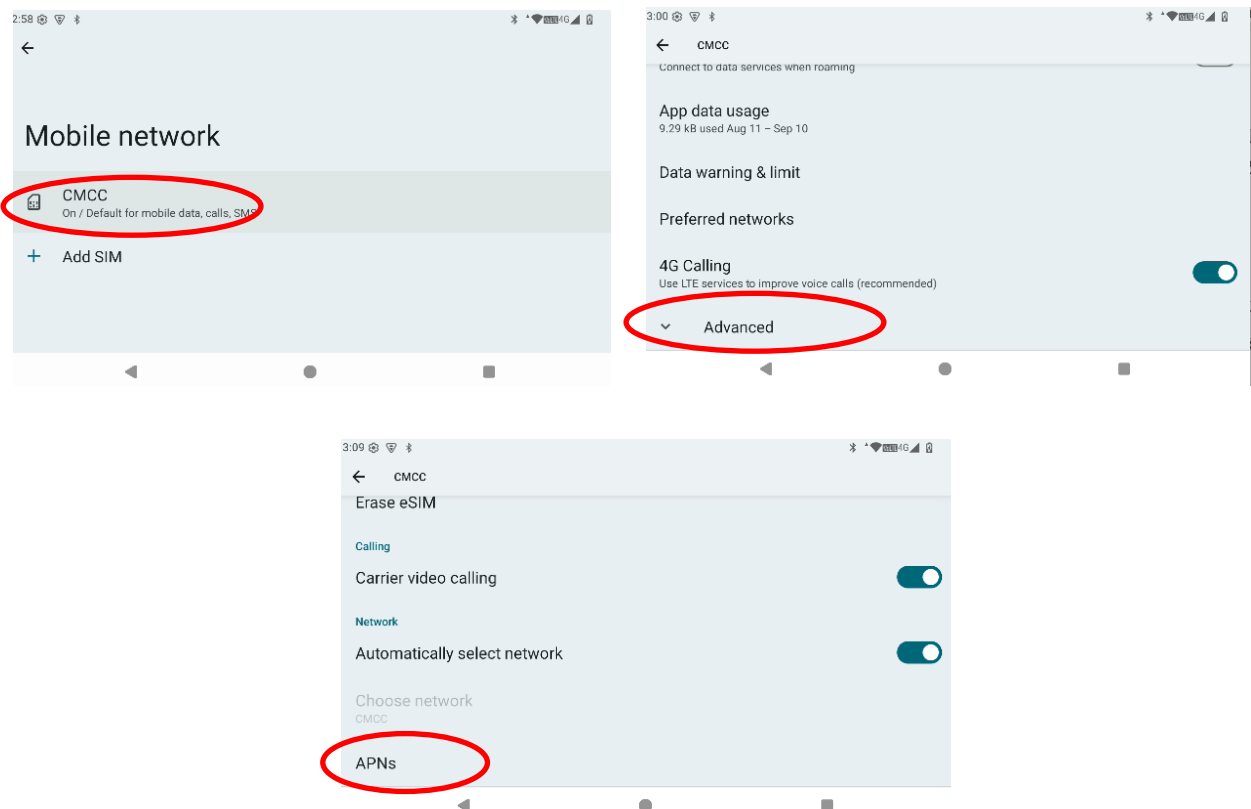


## APN Settings

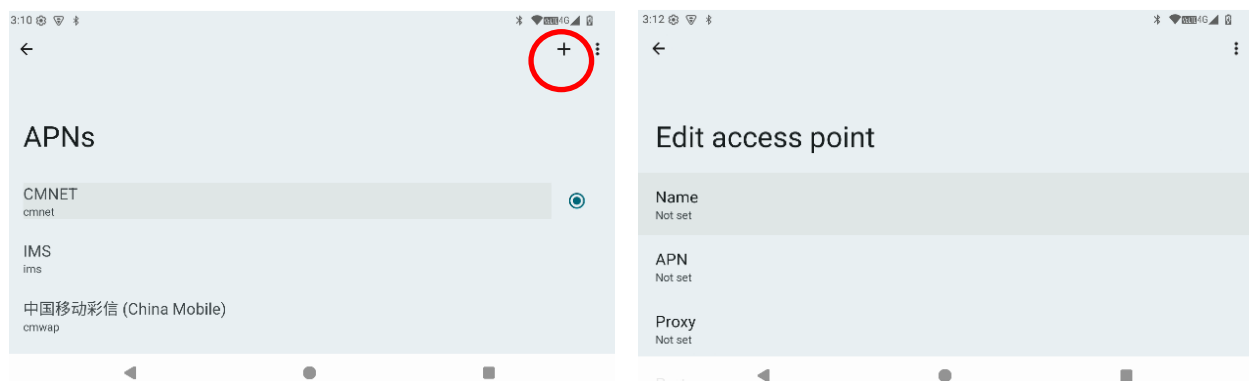
If you cannot connect to the internet when using your terminal's cellular data, you may need to change your APN settings on the NQ10T to fix it:

1. Go to Settings -> "Network & Internet" -> "Mobile Network" -> "CMCC" -> "Advanced" -> "APNs".





2. Tap  in the top right corner of the screen or tap the carrier of your SIM card on the screen. Then manually enter the APN settings. You can contact your carrier or visit their website to get the correct APN settings, or check the APN settings on a mobile device that can access the internet using the SIM card.

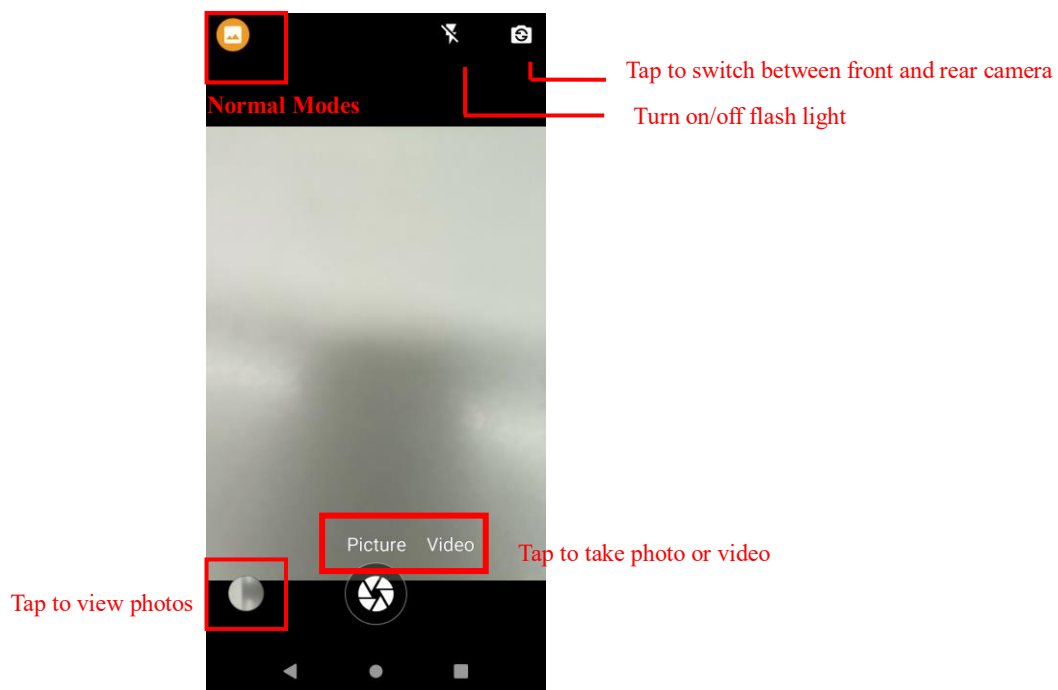


3. Press the Return key on the NQ10T to go back to the previous screen and then select the APN you just added.

## Chapter 8 Others

### Camera

Tap the app icon  to launch the Camera app.

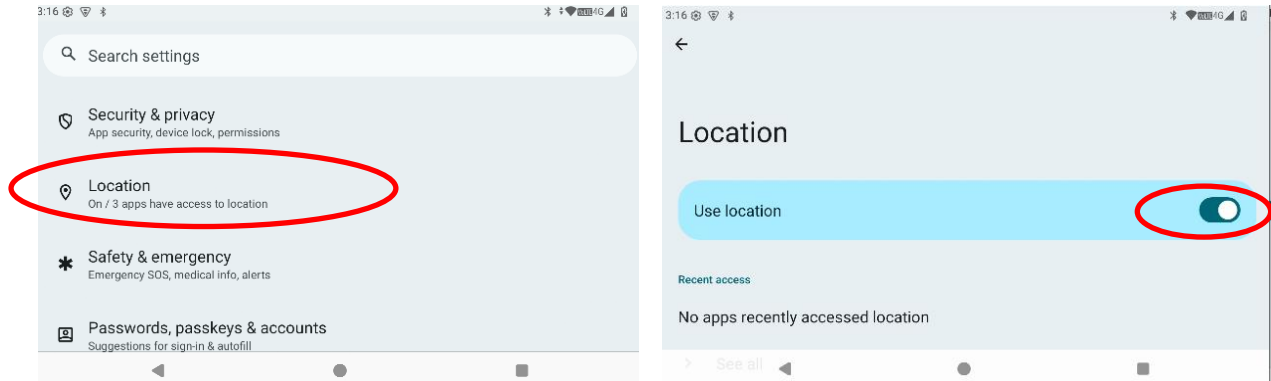


Tap the normal modes icon  -> Tap settings , then the user can set parameters such as scene mode, self timer, picture size, shutter sound, ZSD, white balance, ISO, Anti flicker, etc.

You can also download a camera app from the internet or develop an app for the camera feature.

## GPS

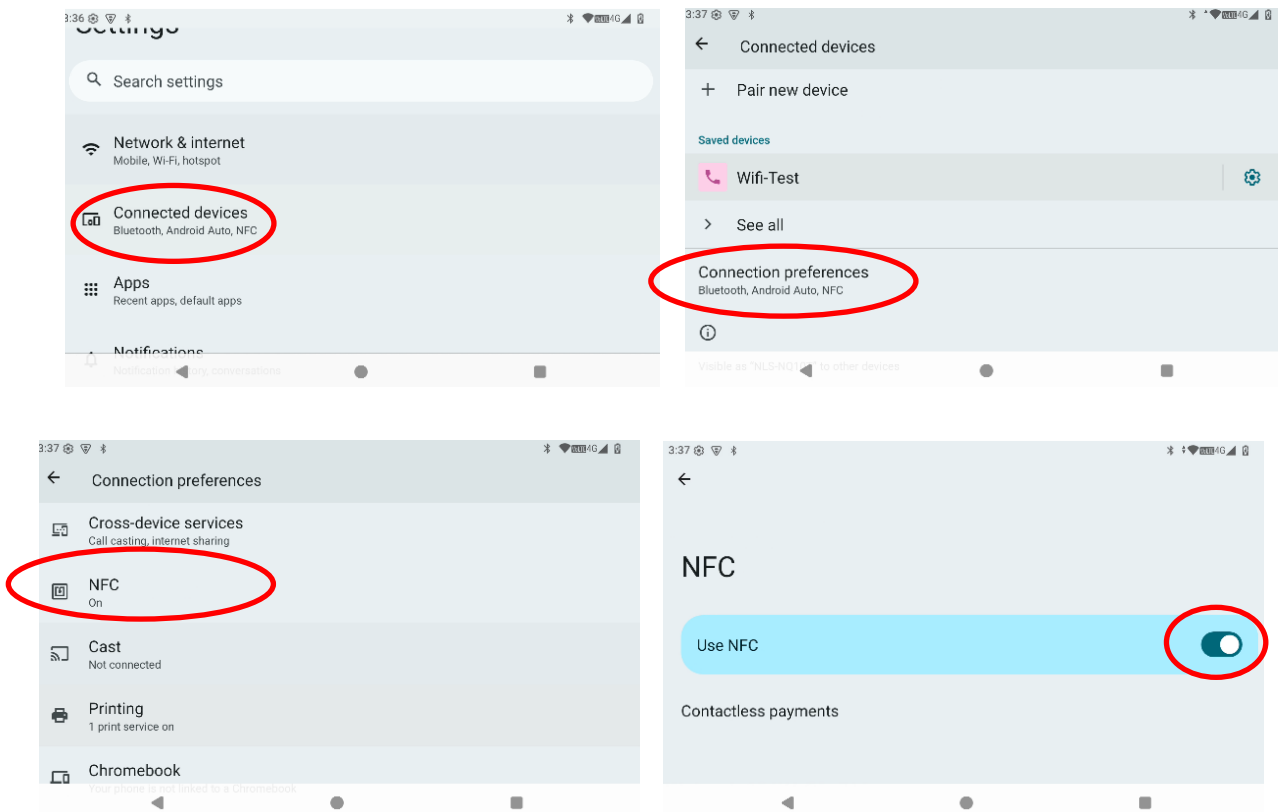
Tap the app icon  -> "Location", and then turn Location on.



## NFC

To enable the NFC feature, tap the app icon  -> “Connected Devices” -> “Connection Preferences” -> “NFC”, and then turn on NFC.

Then you can install an NFC writer on the NQ10T to read and write NFC tags.



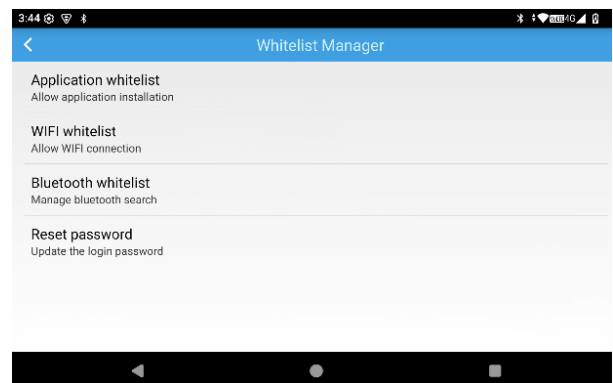
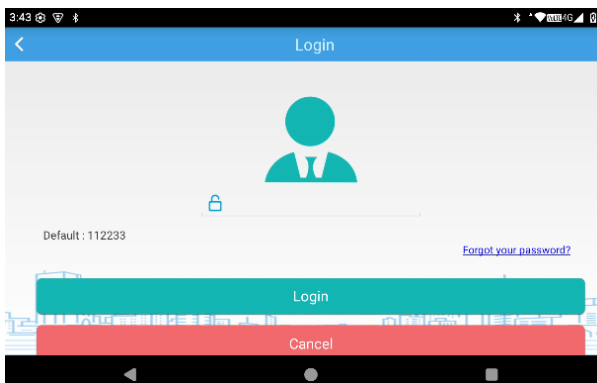
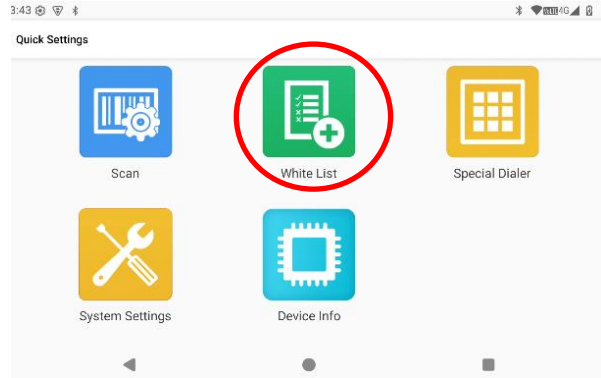
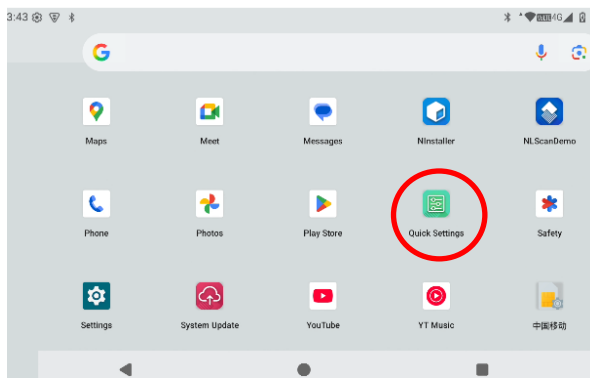
## Chapter 9 Whitelist Manager

### Introduction

The Whitelist Manager app is used to specify the apps that users can install on the NQ10T.

### Logging in to Whitelist Manager

Tap the app icon  on the Home screen then , enter the password (default: 112233), and tap “Login” to log in to the whitelist manager. Then set up your whitelist as per actual needs.



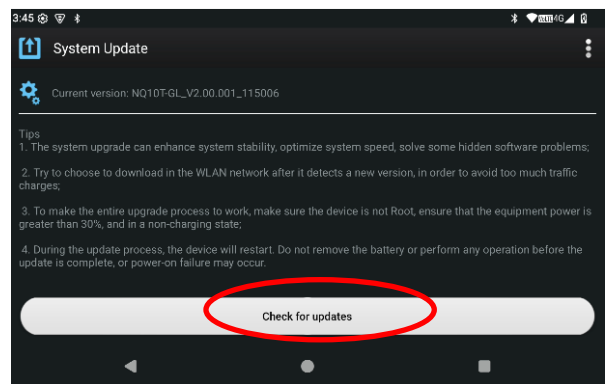
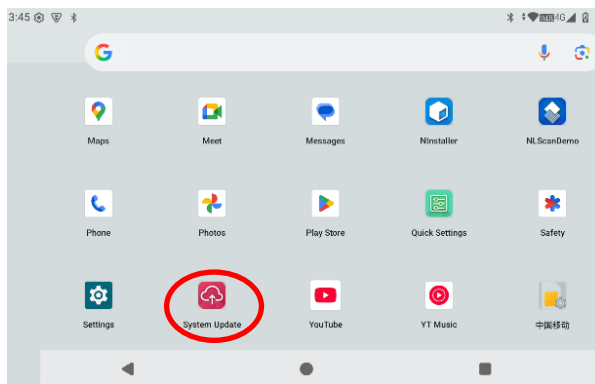
## Chapter 10 System Update

### Introduction

This chapter introduces two methods to update the system software of the terminal: Online update and local update.

### Online Update

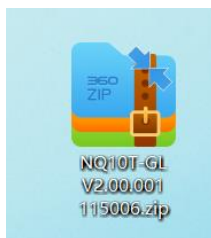
**Update the system online:** Tap system updates icon  -> "CHECK FOR UPDATES".



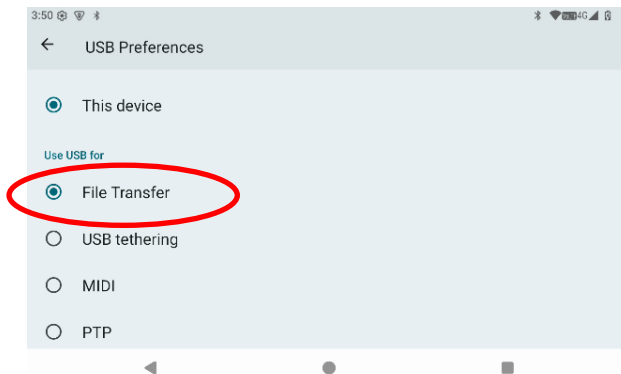
## Local Update

### Zip File to the NQ10T Drive

1. Connect the terminal to PC with the included USB cable. Swipe from top to bottom with one finger in one smooth motion to open the notification bar. Tap “Charging this device via USB”. Then select “File Transfer”.



The name might be different based on each version.

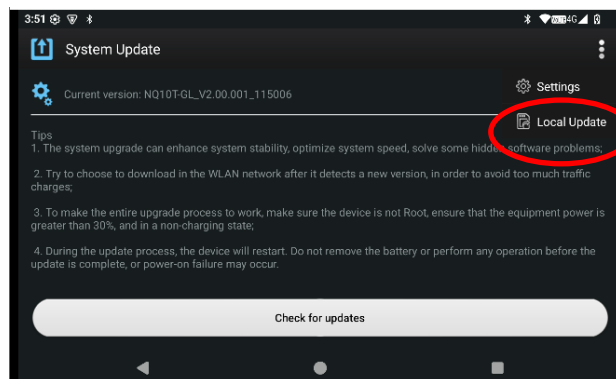


2. Copy the update zip file to the NQ10T drive or NQ10T's Micro SD card.

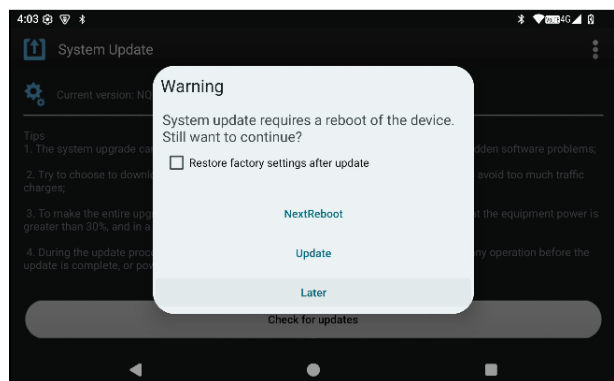
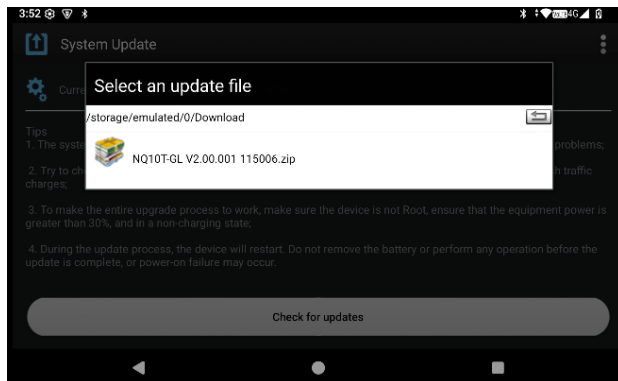


3. Tap  to access the System Update screen.

4. Tap  in the top right corner of the System Update screen then select “Local Update”.



5. Select the update zip file. Then select “NEXTREBOOT” or “UPDATE”.



## Chapter 11 App Development Guide

### Development Environment

The NQ10T runs on the Android 15 operating system, so you should use Android SDK 15 or lower when developing apps for the NQ10T.

### Use of Non-standard Interfaces

See *Newland Android PDA API Handbook*

## Chapter 12 Maintenance & Troubleshooting

### Introduction

This chapter includes important safety and handling information and provides troubleshooting solutions for issues that might occur when using the terminal.

### Important Safety & Handling Information

#### Disassembly and Retrofit

Do not attempt to disassemble or retrofit the terminal yourself. Unauthorized disassembly or retrofit will void the warranty.

#### External Power Supply

Use only the included AC adapter. Otherwise, there is a risk of damage to the terminal.

#### Abnormal Situation

Keep the terminal away from fire or heat sources. If there is unusual odor, overheating or smoke during charging, immediately cut off the power and disconnect the AC adapter, and contact your dealer or Newland customer service center. Continued use in this case may result in fire or electric shock.

#### Drop Damage

If the terminal is damaged due to a drop from high place, immediately cut off the power and contact your dealer or Newland customer service center.

#### LCD Screen

Do not press against or strike the LCD screen. Otherwise, it may damage the screen. When handling a cracked or shattered screen, do not touch the liquid that has leaked from it to avoid skin burn or infection.

#### Stacking Heavy Objects

Do not place heavy objects on the terminal as those objects may fall and cause injury.

#### Mounting Location

Do not place the terminal on unstable or uneven surfaces as it may fall and cause injury. Do not expose the terminal to humidity or dust as this may cause fire or electric shock. Do not expose the terminal to direct sunlight for extended periods.

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## Wireless Functionalities

Do not use the terminal's wireless functionalities where wireless device use is prohibited or where it may cause interference or danger, such as in aircrafts, petrol stations.

## Use & Maintenance

- ✧ If the terminal cannot be switched on after experiencing a sudden or unexpected power loss or other abnormalities, remove and then reinstall its battery to reset the terminal.
- ✧ Do not throw, drop or strike the terminal. Doing so may damage the LCD display, interrupt running programs, cause data loss in memory and result in malfunction.
- ✧ Clean the scan window regularly. Do not touch it with hands. Scratched or smudged window may degrade reading performance.
- ✧ Do not tap the touch screen with sharp objects. Doing so may damage the screen or cause internal short circuits.
- ✧ Use only a dry soft cloth to clean the terminal. Cleaning it with wet cloth or benzene/ thinner/ other volatile chemicals may deform and shorten the service life of the keypad and shell of the terminal.
- ✧ Do not place the terminal face down on any surface, or there might be misoperations.
- ✧ Sudden temperature drops may cause condensation on the shell which could cause malfunction. Care should be taken to avoid condensation. If condensation occurs, dry the terminal before use.

## Battery Safety Guidelines

- ✧ **Do not dispose of batteries in a fire as they may explode.**
- ✧ The battery can be charged and discharged over 500 times. If the battery life is unreasonably short, please replace the battery with a new one.
- ✧ Use only the battery and AC adapter provided by Newland.
- ✧ Do not continue to charge a battery that is fully charged. Overcharging will shorten battery lifespan.
- ✧ Charge the device before the battery is exhausted; Excessive battery discharge will have a bad impact on the device. In severe cases, it may cause the device to fail to boot normally.
- ✧ Avoid charging in a low or high-temperature environment. The most suitable temperature for charging is at 5 °C–45 °C (41 °F–113 °F), and it cannot be charged below 0 °C (32 °F).
- ✧ If the device is not used for a long time, it will discharge slowly. During the storage, it is recommended to shut down the device and regularly recharge it (at least every six months). Ideally, Battery should be stored between 30% to 50% state of charge.

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- ✧ Do not use damaged or faulty AC adapters or batteries. If the battery is swelling, bulging, or having other abnormalities, please stop using it immediately.
  - ✧ **Properly dispose of and recycle batteries. Do not dispose of them as household garbage.**

## Troubleshooting

| Problem    |                                                                      | Possible Cause & Solution                                                                                                                                                                                                                                                                                                                              |
|------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type       | Description                                                          |                                                                                                                                                                                                                                                                                                                                                        |
| Battery    | Charging LED is OFF when charging.                                   | Ensure the AC adapter is plugged in properly.                                                                                                                                                                                                                                                                                                          |
|            | Stop charging or charging slowly in a low-temperature environment.   | Charging protection is enabled when the temperature is lower than 0 degrees Celsius. To continue charging at normal speeds, please move to a warmer environment before charging your device.                                                                                                                                                           |
|            | Noticeably short battery life.                                       | 1. Check the battery level. If the battery is almost depleted, recharge it.<br>2. Restart the terminal, if the problem remains, please contact the after-sales service center.                                                                                                                                                                         |
|            | Fully charged battery is depleted after the terminal is switched on. | Restart the terminal, if the problem remains, please contact the after-sales service center.                                                                                                                                                                                                                                                           |
| USB        | USB communication failure                                            | 1. Ensure that the USB cable connections are secure.<br>2. Ensure that there is no contaminant inside the USB port.<br>3. If the problem remains, please contact the after-sales service center.                                                                                                                                                       |
| LCD Screen | No display                                                           | 1. Ensure the terminal is switched on.<br>2. If the terminal is in sleep mode, press the Power key to wake it up.<br>3. Check the battery level. If the battery is depleted, recharge it.<br>4. If the problem remains, please contact the after-sales service center.                                                                                 |
| System     | Cannot switch on                                                     | 1. Check the battery level. If the battery is depleted, recharge it.<br>2. Switch the terminal on after using the included AC adapter to connect it to a power outlet. If the problem disappears, then continue to charge the terminal. If the problem remains after charging the terminal for a while, please contact the after-sales service center. |
|            | System halted                                                        | 1. The problem may be caused by bugs on downloaded apps. Ensure that only reliable apps are used.<br>2. The problem may be caused by a sudden or unexpected power loss. Long press the power key for 10 seconds, and then restart the terminal.<br>3. If the problem remains, please contact the after-sales service center.                           |

# SCANNING MADE SIMPLE

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