



Portable Code Scanner

User Manual

Legal Information

About this Document

- This Document includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only.
- The information contained in the Document is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of the Document at the Hikvision website (<https://www.hikvision.com>). Unless otherwise agreed, Hangzhou Hikvision Digital Technology Co., Ltd. or its affiliates (hereinafter referred to as "Hikvision") makes no warranties, express or implied.
- Please use the Document with the guidance and assistance of professionals trained in supporting the Product.

About this Product

- This product can only enjoy the after-sales service support in the country or region where the purchase is made.
- If the product you choose is a video product, please scan the following QR code to obtain the "Initiatives on the Use of Video Products", and read it carefully.



Acknowledgment of Intellectual Property Rights

- Hikvision owns the copyrights and/or patents related to the technology embodied in the Products described in this Document, which may include licenses obtained from third parties.
- Any part of the Document, including text, pictures, graphics, etc., belongs to Hikvision. No part of this Document may be excerpted, copied, translated, or modified in whole or in part by any means without written permission.
- **HIKVISION** and other Hikvision's trademarks and logos are the properties of Hikvision in various jurisdictions.
- Other trademarks and logos mentioned are the properties of their respective owners.

LEGAL DISCLAIMER

- TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS DOCUMENT AND THE PRODUCT DESCRIBED, WITH ITS HARDWARE, SOFTWARE AND FIRMWARE, ARE PROVIDED "AS IS" AND "WITH ALL FAULTS AND ERRORS". HIKVISION MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY, SATISFACTORY QUALITY, OR FITNESS FOR A PARTICULAR PURPOSE. THE USE OF THE PRODUCT BY YOU IS AT YOUR OWN RISK. IN NO EVENT WILL HIKVISION BE LIABLE TO YOU FOR ANY SPECIAL, CONSEQUENTIAL,

INCIDENTAL, OR INDIRECT DAMAGES, INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA, CORRUPTION OF SYSTEMS, OR LOSS OF DOCUMENTATION, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY, OR OTHERWISE, IN CONNECTION WITH THE USE OF THE PRODUCT, EVEN IF HIKVISION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSS.

- YOU ACKNOWLEDGE THAT THE NATURE OF THE INTERNET PROVIDES FOR INHERENT SECURITY RISKS, AND HIKVISION SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER-ATTACK, HACKER ATTACK, VIRUS INFECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, HIKVISION WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.
- YOU AGREE TO USE THIS PRODUCT IN COMPLIANCE WITH ALL APPLICABLE LAWS, AND YOU ARE SOLELY RESPONSIBLE FOR ENSURING THAT YOUR USE CONFORMS TO THE APPLICABLE LAW. ESPECIALLY, YOU ARE RESPONSIBLE, FOR USING THIS PRODUCT IN A MANNER THAT DOES NOT INFRINGE ON THE RIGHTS OF THIRD PARTIES, INCLUDING WITHOUT LIMITATION, RIGHTS OF PUBLICITY, INTELLECTUAL PROPERTY RIGHTS, OR DATA PROTECTION AND OTHER PRIVACY RIGHTS. YOU SHALL NOT USE THIS PRODUCT FOR ANY PROHIBITED END-USES, INCLUDING THE DEVELOPMENT OR PRODUCTION OF WEAPONS OF MASS DESTRUCTION, THE DEVELOPMENT OR PRODUCTION OF CHEMICAL OR BIOLOGICAL WEAPONS, ANY ACTIVITIES IN THE CONTEXT RELATED TO ANY NUCLEAR EXPLOSIVE OR UNSAFE NUCLEAR FUEL-CYCLE, OR IN SUPPORT OF HUMAN RIGHTS ABUSES.
- IN THE EVENT OF ANY CONFLICTS BETWEEN THIS DOCUMENT AND THE APPLICABLE LAW, THE LATTER PREVAILS.

© Hangzhou Hikvision Digital Technology Co., Ltd. All rights reserved.

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 Danger	Indicates a hazardous situation which, if not avoided, will or could result in death or serious injury.
 Caution	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 Note	Provides additional information to emphasize or supplement important points of the main text.

Contents

Chapter 1 Introduction	1
1.1 Product Introduction	1
1.2 Key Feature	1
Chapter 2 Activation.....	2
Chapter 3 Scan Settings	3
3.1 Set Scan Parameters.....	3
3.1.1 Set Scan Mode	3
3.1.2 Set Scan Prompt	4
3.2 Set Output Parameters	5
3.2.1 Set Output Mode.....	5
3.2.2 Set Output Rule	7
3.2.3 Set Encoding Format	9
3.2.4 Set Multi-Code Scan	10
3.2.5 Export Data	11
3.3 Set Code System	11
3.4 Set Code Scanner	12
3.4.1 Set Code Scanner Parameters.....	12
3.4.2 Set Scanner Tool	14
3.4.3 View Version Information.....	16
3.5 Set Other Parameters.....	16
3.6 Quick Settings	18
3.6.1 Export Configuration File	18
3.6.2 Import Configuration File.....	18
3.6.3 Export Scan Configuration QR Code	19
3.6.4 Import Scan Configuration QR Code.....	19
3.6.5 View Application Version.....	19
3.6.6 Restore Default Settings	20
3.7 Scan Test	20

Chapter 4 Platform Connection	22
4.1 Access System Management Platform	22
4.2 Set NTP Server	23
Chapter 5 Key Mapping	25
5.1 Set Mapping Key	25
5.2 Set Mapped Key	31
5.3 Set Screen Wakeup	32
Chapter 6 Maintenance	33
6.1 Export Running Information	33
6.2 Upgrade Device	34
6.3 Export Battery Information	35
6.4 Reset Password	36
Chapter 7 System Settings	37
7.1 Set Network	37
7.1.1 Dial-up	37
7.1.2 Connect to Wi-Fi	37
7.2 Set Hotspot and Tethering	38
7.3 Set Bluetooth	39
7.4 Set NFC	39
7.5 Manage Battery	39
7.6 Set Display Parameters	40
7.7 Set Sound Parameters	40
7.8 Manage Storage	40
7.9 Set Location	40
7.10 Reset Device Settings	41
7.11 View Device Information	42

Chapter 1 Introduction

1.1 Product Introduction

Portable Code Scanner (hereinafter referred to as "device") is a code scanning device integrating with intelligent algorithm. It supports quick recognition of codes to improve the working efficiency. The scanner features voice calling, video calling, mobile network transmission, Wi-Fi wireless transmission, and satellite positioning, making it suitable for various industries such as retail, warehouse management, manufacturing, e-commerce, law enforcement, food and drug traceability, electricity, transportation, and energy.

1.2 Key Feature

- Android 14 operating system, supporting Google GMS server.
- Laser aiming projecting a crosshair pattern for easy targeting of objects.
- Self-developed high-performance barcode recognition technology, supporting efficient reading of barcodes of various formats.
- Compact appearance design for convenient integration.
- Supporting quick identification of blurry, distorted, and dirty barcodes.
- Output modes including focus coverage, broadcast, and clipboard.
- Supporting continuous and single scanning modes.

Chapter 2 Activation

You need to activate the device for first use.

Steps

1. Power on the device to go to the activation page.
2. Activate the device by either of the following two ways.
 - Set a new password and confirm it, and tap **ACTIVATION**.

Note

The password must be 8 to 16 characters with at least two types of the following characters: uppercase letters, lowercase letters, numbers, or special characters (!@#\$%&*.).

- Tap **SKIP** to use the default password 123456 without setting a new password. Tap **OK** in the pop-up window.

Chapter 3 Scan Settings

Tap **Code Scanner** to **Enable Scan**. Set scan parameters according to the actual scene. Then you can scan bar codes or QR codes to get the code information.

3.1 Set Scan Parameters

3.1.1 Set Scan Mode

You can set the scan button and the scan mode according to the actual needs.

Steps

1. Tap **Scan** → **Settings**.

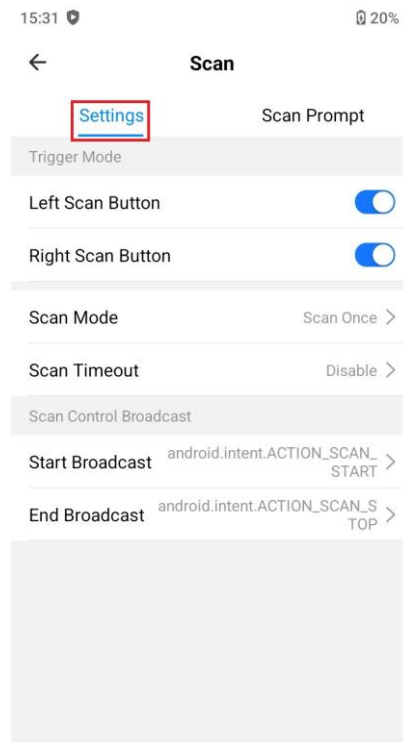


Figure 3-1 Set Scan Mode

2. Enable **Left Scan Button** or **Right Scan Button** according to the actual needs.
You can press the scan button on the left or right side of the device to scan codes after settings.
3. Set **Scan Mode**.

Scan Once

1. Select **Scan Once**.
2. Enable **Scan Timeout** if you want the device to disable scanning automatically. Disable **Scan Timeout** if you want the device to

disable scanning when releasing the scan button.



Set **Timeout** if you enable **Scan Timeout**. The device will disable scanning automatically if it has not recognized the code information beyond the set timeout period.

Continuous Scan

1. Select **Continuous Scan**.
2. Set **Scan Interval**. The device will scan continuously based on the set interval.
3. Set **Repeated Filter Timeout**. The device will only output the scan result once in the set timeout period if the result keeps the same.
4. Set **Timeout**. The device will lock the screen automatically beyond the set timeout period.

4. Optional: Set **Scan Control Broadcast** if you want to control the device to start/end scan via sending broadcast.

3.1.2 Set Scan Prompt

You can set the prompt sound, vibration, or indicator if you want to get a prompt when you scan.

Steps

1. Tap **Scan** → **Scan Prompt**.

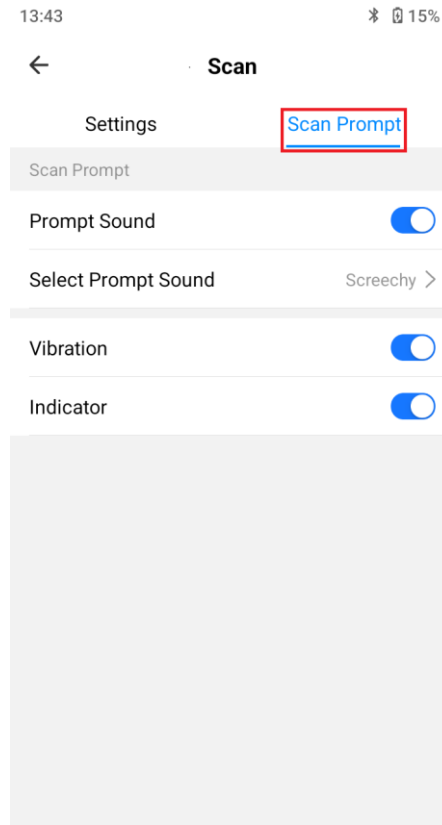


Figure 3-2 Set Scan Prompt

2. Enable **Prompt Sound**, **Vibration** or **Indicator** as required.
3. Optional: Select the prompt sound if you enable **Prompt Sound**.

3.2 Set Output Parameters

3.2.1 Set Output Mode

You can set the output mode of the scan result. The output mode is primarily used for integration with third-party apps. Before integration, you need to confirm the currently supported modes of apps with the app vendors.

Steps

1. Tap **Output Settings** → **Output Mode**.

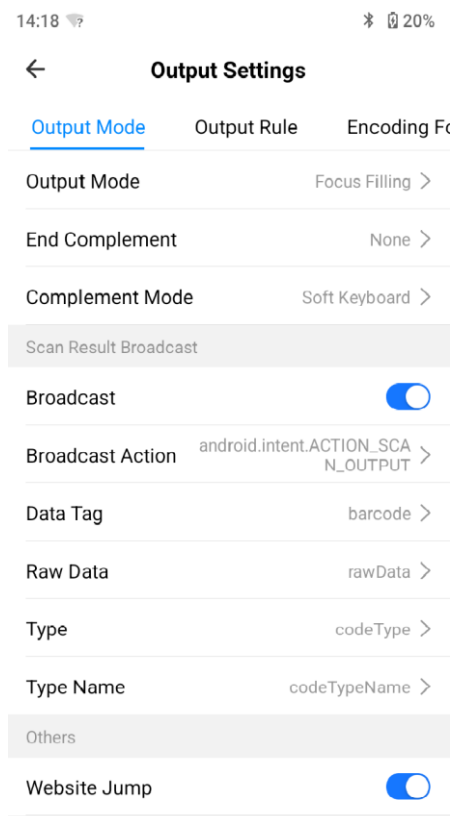


Figure 3-3 Set Output Mode

2. Set **Output Mode**.

Focus Filling

When scanning outside the scan page, if there are text fields on the current page, the scan result will be automatically output in the text field where the cursor is located.

Focus Coverage

When scanning outside the scan page, if there are filled text fields on the current page, the scan result will automatically cover the content of the text field where the cursor is located.

No Output

When scanning outside the scan page, if there are text fields on the current page, the scan result will not be output in the text field where the cursor is located.

3. Set **End Complement**.

None

End complement will not be added at the end of the scan result.

Return

Add a carriage return at the end of the scan result.

Tab

Add a tab at the end of the scan result.

Space

Add a space at the end of the scan result.

4. Set Complement Mode.

Soft Keyboard

The scan result will be output to the text field by the soft keyboard.

Symbol

The scan result will be output to the text field by the input method. The complement symbol will be replaced with \t or \n.

Paste

The scan result will be pasted to the text field by the input method.

Simulated Keyboard

The scan result will be output to the text field by the simulated keyboard.

5. Optional: Set Scan Result Broadcast according to the actual needs.

1) Enable **Broadcast**.

2) Set **Broadcast Action**, **Data Tag**, and other parameters.

6. Optional: Enable Website Jump according to the actual needs.

If the scan result is a website, you will be automatically redirected to that website after scan.

3.2.2 Set Output Rule

You can set the output rule of the scan result.

Steps

1. Tap Output Settings → Output Rule.

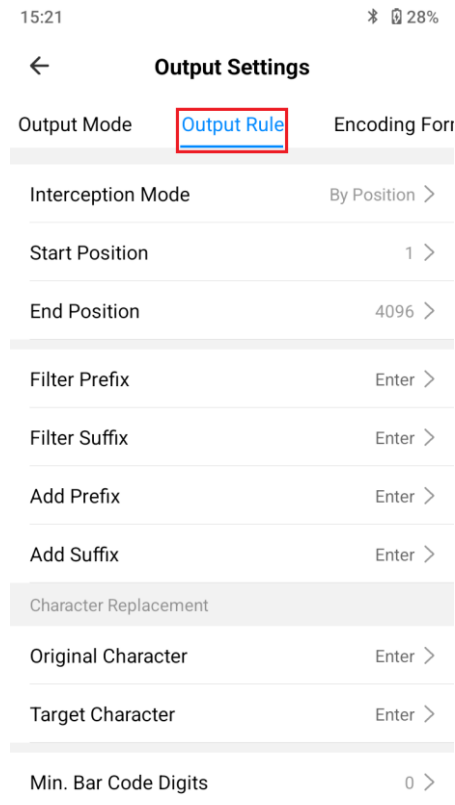


Figure 3-4 Set Output Rule

2. Set the parameters below.

Interception Mode

By Position

The scan result will be intercepted according to the set **Start Position** and **End Position**.

By Character

The scan result will be intercepted according to the set **Start Character** and **End Character**.

Filter Prefix/Filter Suffix

The set prefix/suffix will be automatically filtered in the scan result.

Add Prefix/Add Suffix

The set prefix/suffix will be automatically added to the scan result.

Original/Target Character

The scanning result will automatically replace the set **Original Character** as the **Target Character**.

Max./Min. Bar Code Digits

If the scan result is shorter than the set min. bar code digits or longer than the set max. bar code digits, it will not be output.

3. Enable the following functions according to the actual needs.

GS1 Application Identifier Separation

If you need to split the data according to the GS1 format when you scan the barcode in GS1 format, you can enable the function.

Barcode Parity Bit Handling

If you need the device to perform force parity bit handling for barcodes with parity bits, not to recognize barcodes with incorrect parity bits and no parity bits, you can enable the function.

3.2.3 Set Encoding Format

You can set the encoding format according to the actual needs. If the scanned output content appears garbled, you can modify the encoding format.

Steps

1. Tap **Output Settings** → **Encoding Format**.

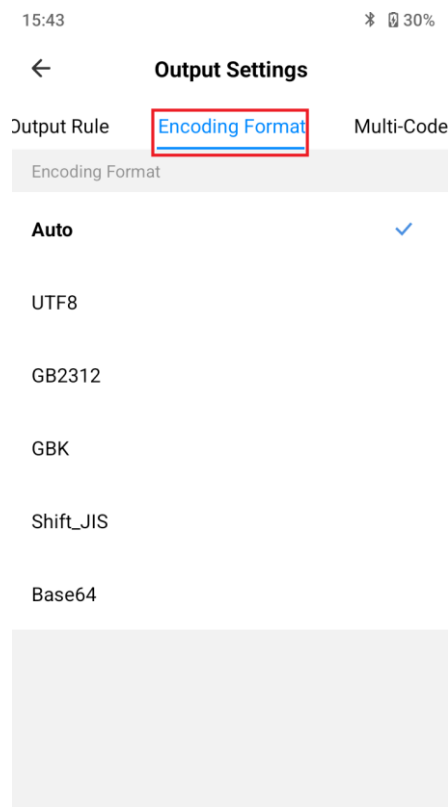


Figure 3-5 Set Encoding Format

2. Select the encoding format.

3.2.4 Set Multi-Code Scan

You can set multi-code scan if you need to scan multiple codes at the same time.

Steps

1. Tap **Output Settings** → **Multi-Code Scan**.

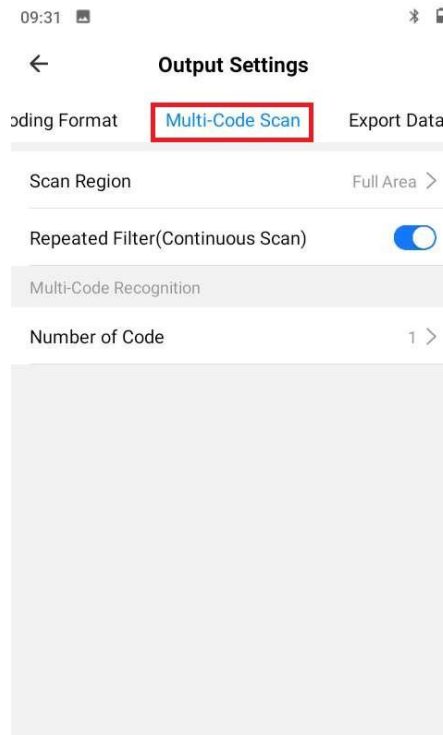


Figure 3-6 Set Multi-Code Scan

2. Set the parameters below.

Scan Region

Full Area

The codes within the capture range of the scanner can be recognized.

Central Area

The codes aimed by the laser can be recognized.

Repeated Filter (Continuous Scan)

The function is only available when the scan mode is the continuous scan. When the function is enabled, the similar scan results will be filtered out during a single continuous scanning session. The function takes priority over the repeated filter timeout.

Number of Code

The number of codes that the device can scan at a time.

3.2.5 Export Data

You can export the device data of specific date.

Steps

1. Tap **Output Settings** → **Export Data**.

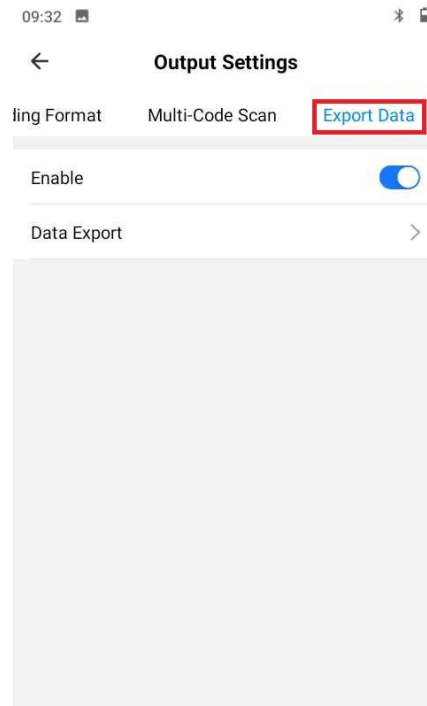


Figure 3-7 Export Data

2. Enable the function.
3. Tap **Data Export** to set the export date, and tap **OK**.

Result

The data are exported as an .xlsx file named as “outdate_the selected date” in the directory of /sdcard/scandata.

3.3 Set Code System

You can set the supported types of bar codes and QR codes.

Steps

1. Tap **Code System**.

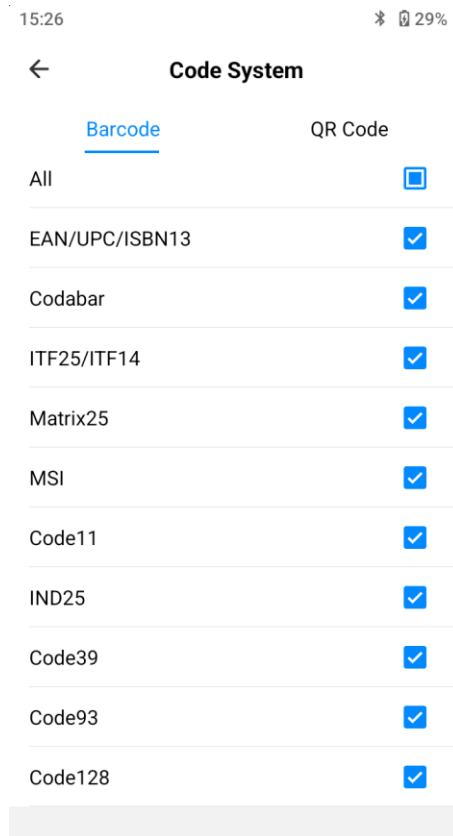


Figure 3-8 Set Code System

2. Select barcode types or QR code types according to the actual needs.

3.4 Set Code Scanner

You can set the code scanner according to the actual needs.

3.4.1 Set Code Scanner Parameters

You can set the supplement light, laser light, and other parameters of the code scanner as required.

Steps

1. Tap **Code Scanner** → **Settings**.

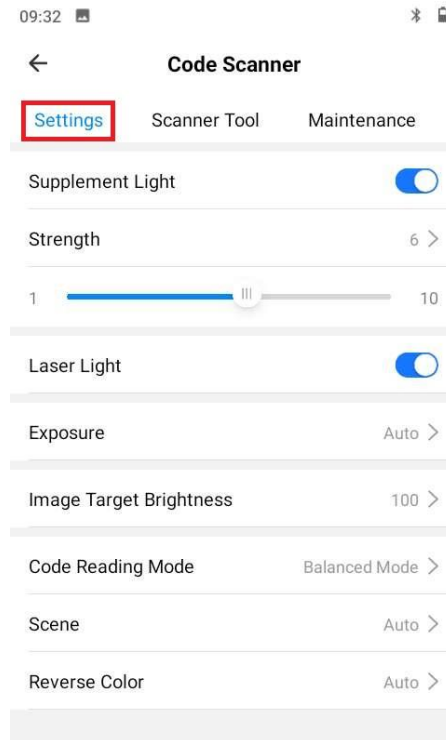


Figure 3-9 Set Code Scanner Parameters

- Optional: Enable **Supplement Light** and **Laser Light** as required, and set the corresponding parameters.

Strength

Tap **Strength** to select a value or you can adjust the value by dragging the slider after **Strength**. The higher the value, the higher the upper limit of automatic brightness adjustment of the supplement light.

- Set other parameters.

Exposure

Manual

Tap **Exposure Time** and **Gain** to set the parameters manually.

Auto

The device will adjust **Exposure Time** and **Gain** automatically according to the actual scene.

Image Target Brightness

The larger the value, the higher the brightness of the image.

Code Reading Mode

Balanced Mode

The device CPU and other resources will be used in balanced mode.

High Performance Mode

The device CPU and other resources will be used mainly on scanning to improve

recognition efficiency.

Quick Mode

Enable fast data reading and output.

Scene

Select the appropriate scanning scene. The device will adjust the scanner settings according to the selected scene for optimal scanning performance. If **Auto** is selected, the device will automatically adapt to the scene.

Reverse Color

Select the code type used in the actual scene.

Black Code with White Background

The background is white, and the barcode is black.

White Code with Black Background

The background is black, and the barcode is white.

Auto

The device will automatically recognize the code type.

3.4.2 Set Scanner Tool

You can calculate code reading module size and calibrate laser via scanner tool.

Steps

1. Tap **Code Scanner** → **Scanner Tool**.
2. Tap **Calculate Code Reading Module Size** or **Laser Calibration**. Follow the instructions to operate.

09:33



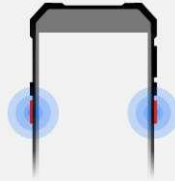
← Calculate Code Reading Module Size

Instructions

Instruction:

Enter barcode width first. Press the scan button to scan the barcode. Match the module size with the comparison table. Confirm the best distance range between the scanner and the bar code.

Barcode Width (mm)



Press the scan button to scan.



None

Figure 3-10 Calculate Code Reading Module Size

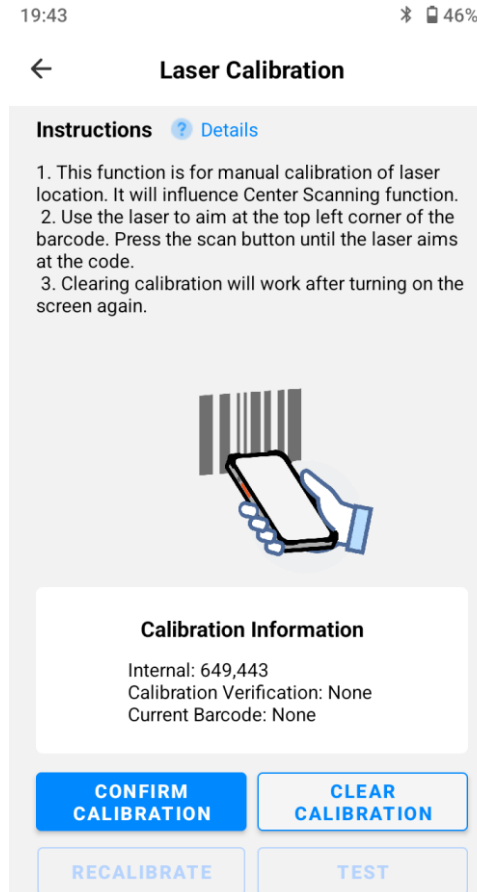


Figure 3-11 Laser Calibration

3.4.3 View Version Information

Tap **Code Scanner** → **Maintenance** to view the version information.

3.5 Set Other Parameters

You can enable password, scan preview, and other features for the device.

Steps

1. Tap **Others**.
2. Enter password. Tap **OK**.

Note

- If no password was set during activation, the default password is 123456.
 - If the password has been reset, the password will be the new reset password.
 - If the password has not been reset, the password will be the one set during activation.
-

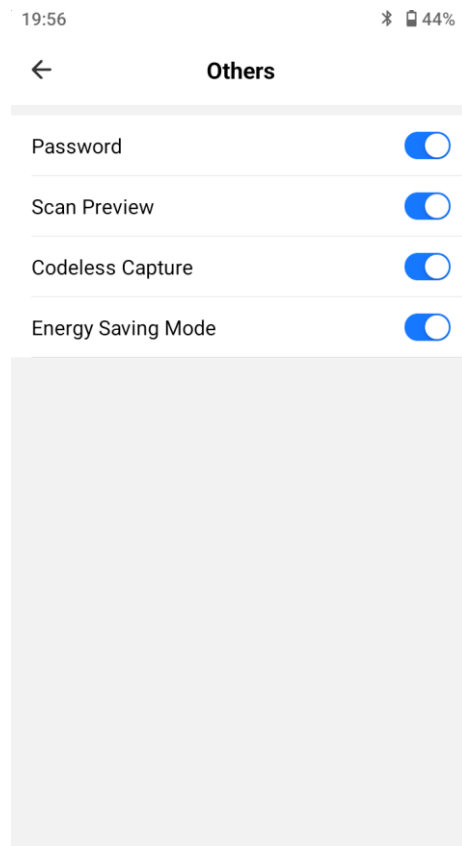


Figure 3-12 Set Other Parameters

3. Optional: Set the parameters as required.

Password	You need to enter the password after enabling Password .
Scan Preview	You can preview the scanning result picture in real time on the scan test page.
Codeless Capture	When the device fails to recognize the bar code or the QR code in the picture, it will save the picture and use the algorithm to analyze the reason.
Energy Saving Mode	The device defaults to energy saving mode, and the battery is consumed normally. If energy saving mode is turned off, the device will concentrate resources on scanning to improve scanning efficiency.

3.6 Quick Settings

You can import or export device settings via multiple methods.

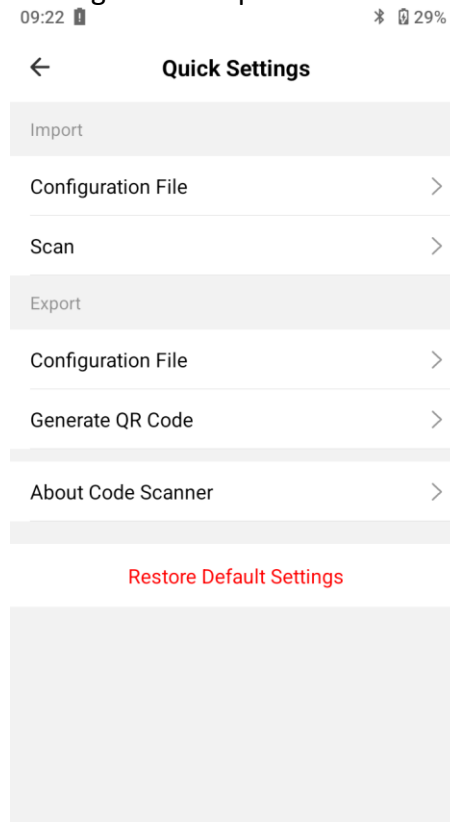


Figure 3-13 Quick Settings

3.6.1 Export Configuration File

You can export the configuration files of one device, and import them to another device to set the two devices with the same parameters.

Steps

1. Tap .
2. Tap **Configuration File** after **Export**.
3. Tap **OK**.

Result

The configuration file will be exported to the device.

3.6.2 Import Configuration File

You can import the configuration file of another device to the current device to set the same

parameters.

Before You Start

Save the configuration file to the device.

Steps

1. Tap .
2. Tap **Configuration File** after **Import**.
3. Tap **OK**.



Caution

Once the configuration file is imported, the existing parameters cannot be restored.

3.6.3 Export Scan Configuration QR Code

You can save the scan configuration QR code of the current device, and use another device to scan it to set the same parameters.

Steps

1. Tap .
2. Tap **Generate QR Code**.
3. Tap **SAVE QR CODE** to save the scan configuration QR code of the current device.
4. Use another device to scan the QR code to set the same scan parameters.

3.6.4 Import Scan Configuration QR Code

You can use the current device to scan the scan configuration QR code of another device to set the same scan parameters.

Before You Start

The scan configuration QR code of another device has been exported.

Steps

1. Tap .
2. Tap **Scan**.
3. Press the scan button of the current device to scan the scan configuration QR code of another device to set the same scan settings.

3.6.5 View Application Version

Steps

1. Tap .
2. Tap **About Code Scanner** to view the current application version.

3.6.6 Restore Default Settings

Steps

1. Tap .
2. Tap **Restore Default Settings** and tap **OK** in the pop-up window to restore the device to default settings.

3.7 Scan Test

You can check the settings via scan test after completing scan settings.

Steps

1. Tap **Scan Test**.

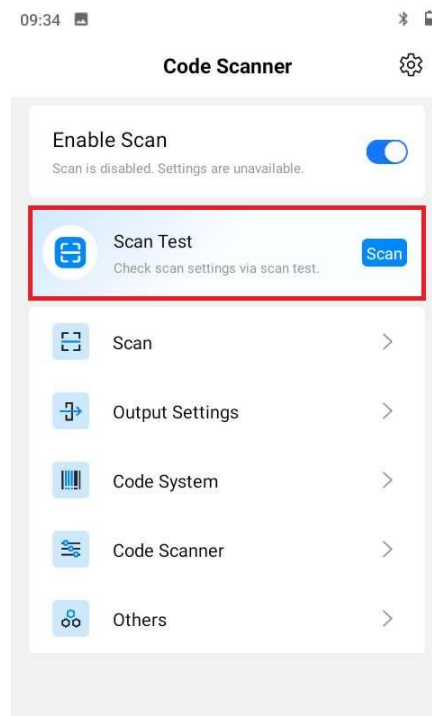


Figure 3-14 Scan Test

2. Press the scan button on the side of the device, and point the scan sensor to the code to scan.

Result

The scan result and time will be displayed on the scan page.



Figure 3-15 Scan Result

3. Optional: Tap **CLEAR** if you need to clear the scan result.

Chapter 4 Platform Connection

4.1 Access System Management Platform

You can access the device to the system management platform.

Before You Start

- Set the connected platform.
- Ensure the device can communicate with the platform normally.

Steps

1. Tap **Platform** → **System Management Platform**.
2. Enter the password and tap **CONFIRM**.

Note

- If no password was set during activation, the default password is 123456.
- If the password has been reset, the password will be the new reset password.
- If the password has not been reset, the password will be the one set during activation.

-
3. Enter the platform address, platform port, device No., and key, or you can tap  and press the scan button to scan the QR code of the system management platform for settings.

Note

The device No. should be the same as the ID set on the platform.

4. Enable **ISUP5**.

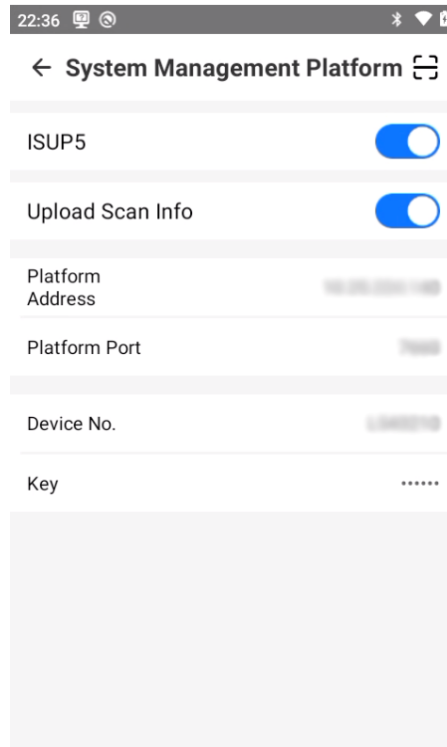


Figure 4-1 Access System Management Platform

5. Optional: Enable **Upload Scan Info** to upload the scan information to the platform.

Result

After accessing the device to the system management platform, the  icon will appear on the notification bar.

4.2 Set NTP Server

You can synchronize the device time with that of the NTP server.

Before You Start

1. Tap  → **System** → **Date & time**.
2. Tap **Set time automatically** and select **Use network-provided time**.

Steps

1. Tap **Platform** → **NTP Server Setting**.

17:35 59%

← NTP Server Setting

NTP Server	IP Address Or Domain Name
NTP Port	Port range: 1 to -65535
Time Sync Interval	Min 1 (min)

Notice:

- 1.NTP server addresses support the forms of ipv4, ipv6, and domain names
2. If the configuration is not effective, please check whether the automatic time setting function is enabled and whether the connection to the NTP server is smooth in the settings section

Save

Figure 4-2 Set NTP Server

2. Set **NTP Server**, **NTP Port**, and **Time Sync Interval**.
3. Tap **Save**.

Chapter 5 Key Mapping

You can tap **KeyMapper** and enable key mapping to set mapping keys, modify mapped keys, and set screen wakeup.

5.1 Set Mapping Key

If you want to customize functions for keys, set key mapping parameters.

Before You Start

Ensure that the key mapping function has been enabled.

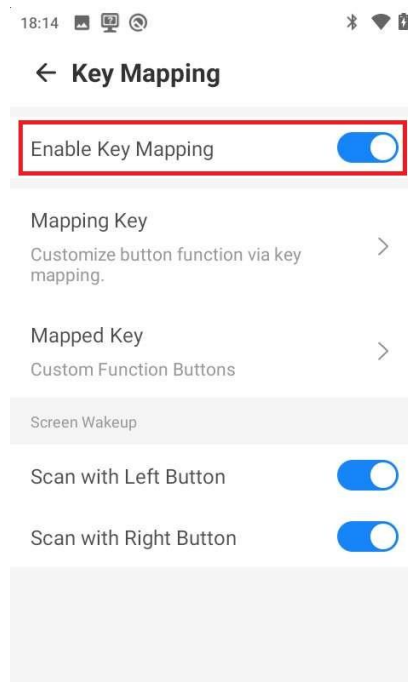


Figure 5-1 Enable Key Mapping

Steps

1. Tap **Mapping Key**.
2. Press any physical key on the device and tap **NEXT**.

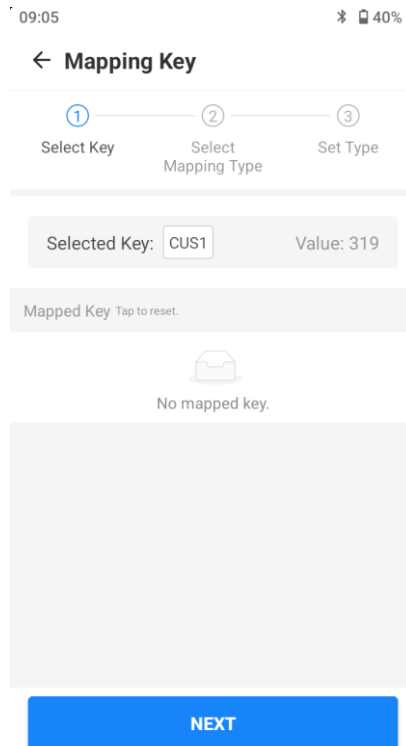


Figure 5-2 Select Key

3. Select the mapping type and tap **NEXT**.

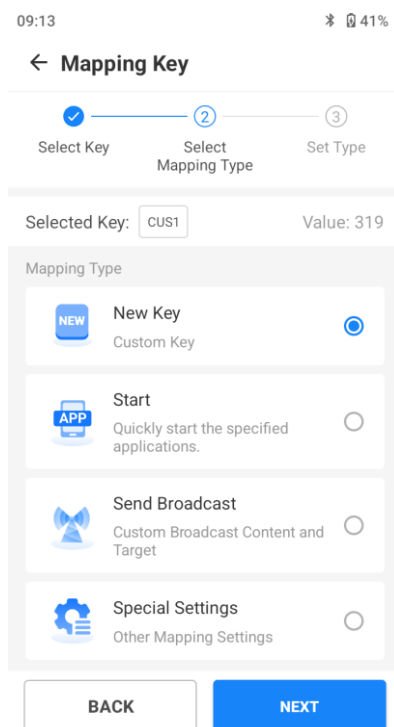


Figure 5-3 Select Mapping Type

New Key

Customize a new function for the current key.

09:19 42%

← Mapping Key

① Select Key ② Select Mapping Type ③ Set Type

Selected Key: CUS1 Value: 319

New Key: KEYCODE_1 Value: 8

Select New Key

0	1	2	3	4
5	6	7	8	9
a	b	c	d	e
f	g	h	i	j
k	l	m	n	o
p	q	r	s	t

BACK ADD MAPPING

Figure 5-4 New Key

1) Select a new key.

2) Tap ▼ to expand the **Edit Broadcast** menu. Enable **Press/Release Key to Broadcast** and set **Broadcast Action** and **Broadcast Sending Parameters** (multiple lines allowed) if you need to send commands to corresponding applications when pressing or releasing the key.

Example: You have set the selected key to CUS1 and its corresponding new key to 1. When you enter information in a text field, the number 1 will be automatically entered into the field if you press the CUS1 key.

Start

Press the current key to quickly open a specified application.

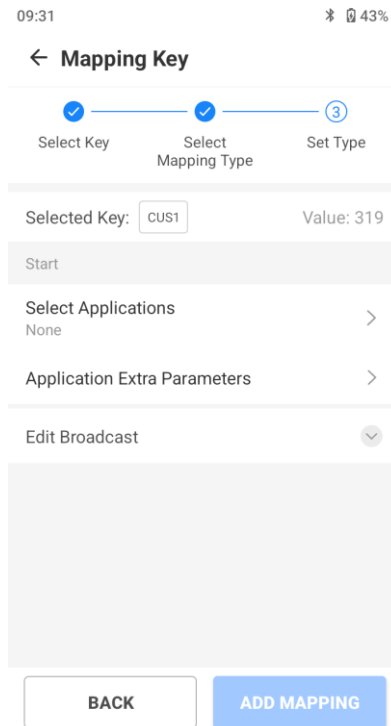


Figure 5-5 Start

- 1) Tap **Select Applications**, select the application as required, and tap **OK**.
- 2) Tap **Application Extra Parameters**, tap **Add a Line** (multiple lines allowed), customize the parameter name and its corresponding value, and tap **OK** if you need to set parameters for corresponding applications.
- 3) Tap  to expand the **Edit Broadcast** menu. Enable **Press/Release Key to Broadcast** and set **Broadcast Action** and **Broadcast Sending Parameters** (multiple lines allowed) if you need to send commands to corresponding applications when pressing or releasing the key.

Example: You have set the selected key to CUS1 and its corresponding application to **Clock**. On any page, you will be redirected to **Clock** if you press the CUS1 key.

Send Broadcast

Press or release the key to send commands to corresponding applications.

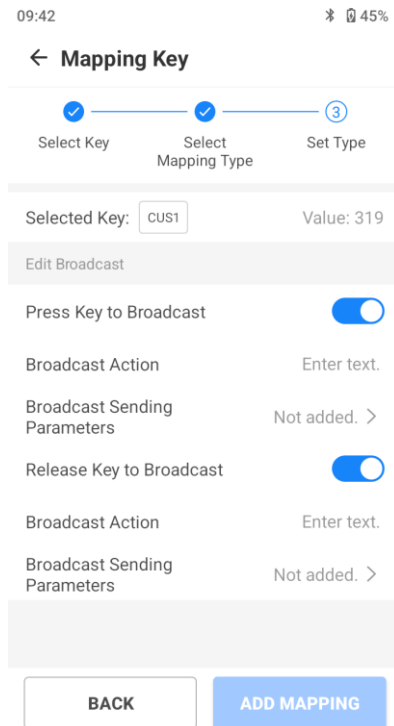


Figure 5-6 Send Broadcast

- 1) Enable **Press/Release Key to Broadcast**.
- 2) Set **Broadcast Action**.
- 3) Tap **Broadcast Sending Parameters**, tap **Add a Line** (multiple lines allowed), customize the parameter name and its corresponding value, and tap **OK**.

Special Settings

Press the current key to quickly enable the selected function. Select **Input Method Control** to pop up the input method, or select **Flashlight Control** to enable the flashlight.

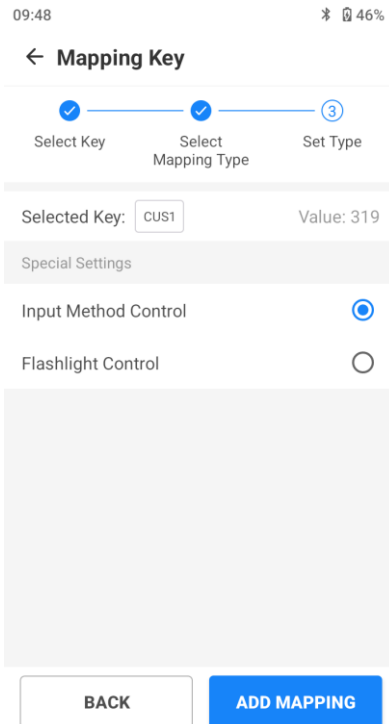


Figure 5-6 Special Settings

Example: You have set the selected key to CUS1 and its function to **Flashlight Control**. You can enable the flashlight quickly when you press the CUS1 key.

4. Select the mapping type and tap **NEXT**.

What to do next

After adding the mapping key, you will enter the page below, and you can do the following operations.

- Tap **VIEW MAPPED KEY** to view the mapped keys.
- Tap **ADD MORE** to map more keys.
- Tap **BACK TO HOME PAGE** to back to the **Key Mapping** page.

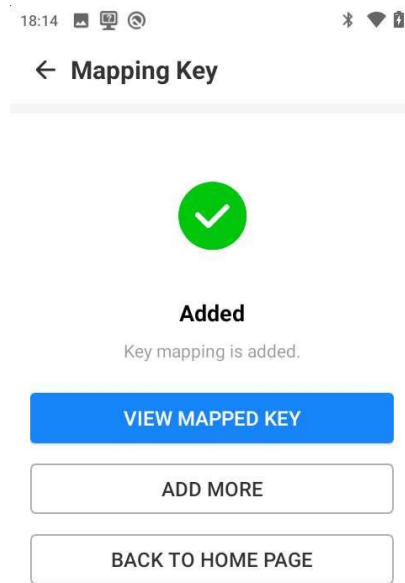


Figure 5-7 More Operations

5.2 Set Mapped Key

You can view, edit, and delete the mapped keys as required.

Before You Start

Ensure that the key mapping function has been enabled.

Steps

1. Tap **Mapped Key**.
2. Select the mapped key. Tap **CHANGE KEY** to reset it or tap **DELETE MAPPING** to delete it.

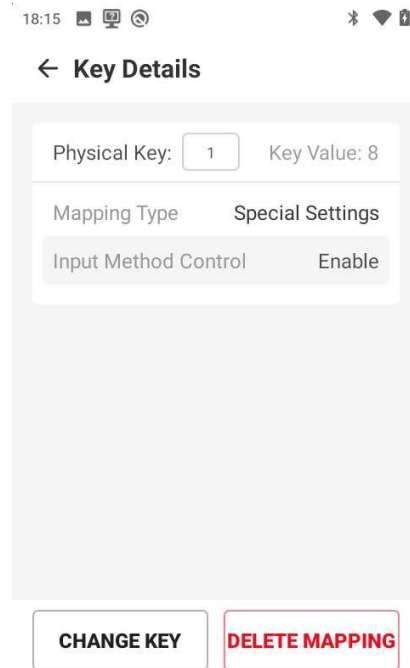


Figure 5-8 Set Mapped Key

5.3 Set Screen Wakeup

You can set to wake up the screen via pressing left/right scan button.

Steps

Enable **Scan with Left/Right Button** for screen wakeup as needed.

Chapter 6 Maintenance

6.1 Export Running Information

Technicians can export running information for troubleshooting and device maintenance.

Steps

1. Tap **Maintenance** → **Export Running Info**.

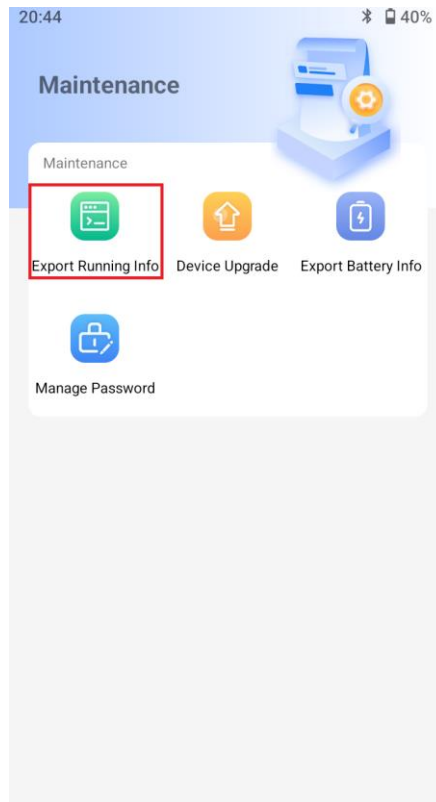


Figure 6-1 Export Running Info

2. Select the exporting path.
3. Tap **EXPORT RUNNING INFO**.

6.2 Upgrade Device

You can view device information and the current version, and upgrade the device system version.

Caution

The operating system only supports official upgrades. If you use a non-official system, you are responsible for any security risks or losses (possible risks include but are not limited to theft of user information, automatic sending of SMS, leakage of location, etc.).

Before You Start

Ensure the device remaining battery is more than 20% and do not charge the device.

Steps

1. Tap **Maintenance** → **Device Upgrade**.

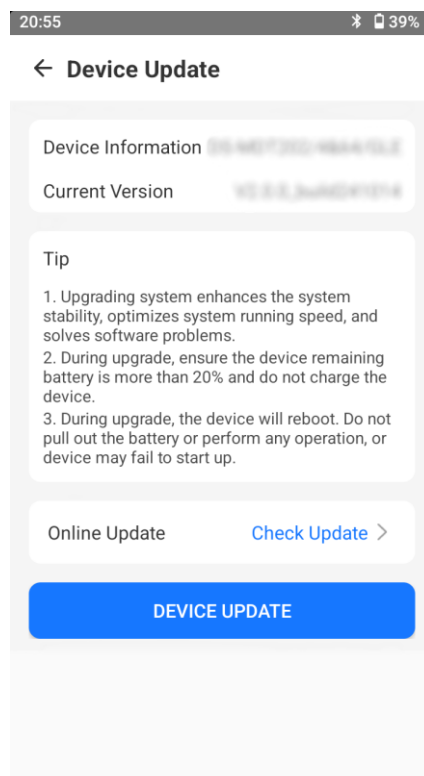


Figure 6-2 Upgrade Device

2. View the device information and the current version.
3. Update device. You can update your device by the following two ways.

- If the update file is saved locally on the device, tap **DEVICE UPDATE**, select the local update file, and tap **Install**.
- 2) If the device is connected to the internet, tap **Check Update** to see if a new version is available. If so, you can tap the latest version to update.

Note

Do not operate during upgrading, or it may cause device exceptions (such as not being able to turn on the device), etc.

6.3 Export Battery Information

You can export the battery information.

Steps

1. Tap **Maintenance** → **Export Battery Info**.

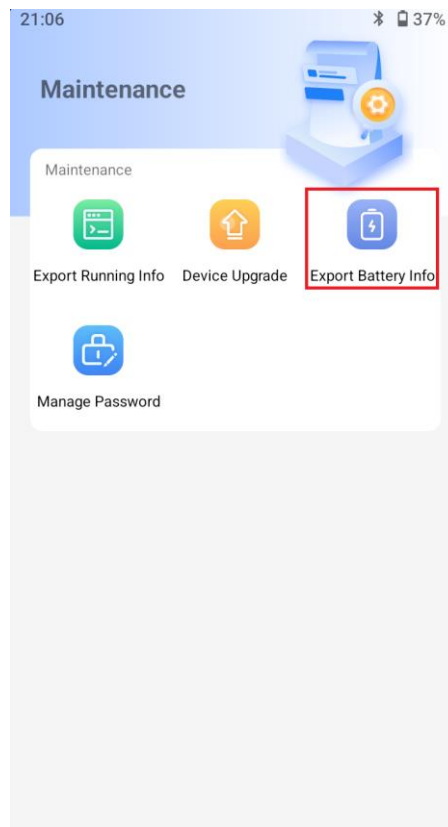


Figure 6-3 Export Battery Info

2. Tap **EXPORT**.

Result

The exported batteryTrack.xls file will be generated in the root directory of internal SD card.

6.4 Reset Password

Steps

1. Tap **Reset Password**.

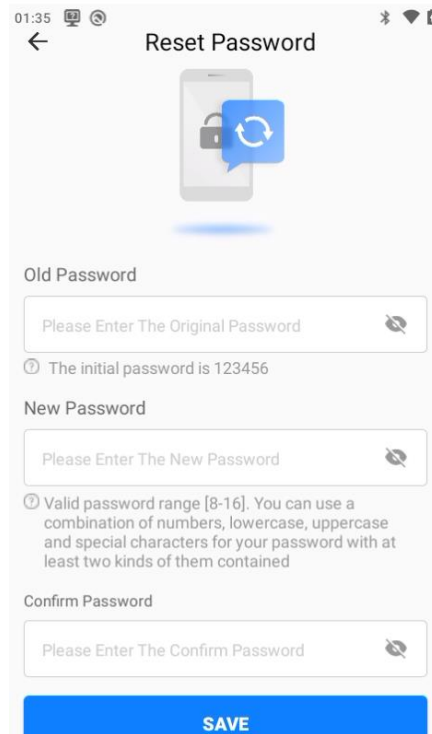


Figure 6-4 Reset Password

2. Enter the old password.

Note

The old password is the password set during activation. If no password was set during activation, the password will be the default password 123456.

3. Enter the new password and confirm it.

Note

The password must be 8 to 16 characters with at least two types of the following characters: uppercase letters, lowercase letters, numbers, or special characters (!@#%&*.).

4. Tap **SAVE**.

Chapter 7 System Settings

7.1 Set Network

7.1.1 Dial-up

You can connect the device to the network via SIM card dialing.

Before You Start

Install the SIM card first.



Note

The device supports 2 SIM cards, or 1 SIM card and 1 SD card.

Steps

1. Tap  → **Network & internet** → **SIMs**.
2. Optional: If the device has 2 SIM cards installed, tap **Mobile Data** and select the preferred SIM card that connects to the mobile data network.
3. Enable the corresponding SIM slot as required.
4. Set the APN parameters.
 - 1) Tap  → **Network & internet** → **Mobile network** → **Advanced**.
 - 2) Tap **Access Point Names**.
 - 3) Tap the available APN from the list. Or contact the service supplier to get the APN, tap  to add the new APN, and set the corresponding parameters. Then tap  → **Save** to save the settings.
5. Optional: Tap **Private DNS** to set the DNS mode if you want to access the Internet by domain name.

Result

The  icon will appear on the notification bar.

What to do next

After the first successful connection, swipe the screen down and tap the **Mobile data** icon from the notification center to enable or disable the dial-up.

7.1.2 Connect to Wi-Fi

You can set Wi-Fi if you want to transfer data via Wi-Fi.

Steps

1. Enter Wi-Fi settings in the following two ways.
 - Slide down the notification center. Hold **Wi-Fi** icon.

- Tap  → **Network & internet** → **Internet**.

2. Tap **Wi-Fi** to connect it.

Connect to the searched Wi-Fi

1. Select Wi-Fi.
2. Enter the Wi-Fi password.
3. Tap **Connect**.

Add new network

1. Tap **Add Network**.
2. Enter SSID.
3. Set **Security**.
4. Tap **Advanced options** to set **Proxy** and **IP settings**.
5. Tap **SAVE**.

Result

After Wi-Fi is connected successfully, the  icon will appear on the notification bar.

What to do next

After the first successful connection, swipe the screen down and tap the **Wi-Fi** icon from the notification center to enable or disable Wi-Fi.

7.2 Set Hotspot and Tethering

You can set the device as a hotspot to share network to other devices.

Before You Start

Please ensure the device network is normal.

Steps

1. Tap  → **Network & internet** → **Hotspot & tethering**.
2. Select the tethering methods below.
 - If you want to share the network via Wi-Fi hotspot, tap **Wi-Fi hotspot** to enable the function or swipe the screen down and tap the **Hotspot** icon from the notification center to enable the function. Set **Hotspot name**, **Security**, and **Hotspot password**. Then the  icon will appear on the notification bar.
 - If you want to share the network via the USB cable, enable **USB tethering**. Then the  icon will appear on the notification bar.
 - If you want to share the network via bluetooth, enable **Bluetooth tethering**. Then the  icon will appear on the notification bar.
 - If you want to share the network via ethernet, enable **Ethernet tethering**.

7.3 Set Bluetooth

You can use the device to communicate and transfer data with paired Bluetooth devices.

Before You Start

Prepare the device with Bluetooth.

Steps

1. Enter Bluetooth settings in the following two ways.
 - Slide down the notification center. Hold **Bluetooth**.
 - Tap  → **Connected devices**.
2. Tap **Pair new device**.
3. Tap the bluetooth that you want in **Available devices** to pair.
The paired devices will be displayed in the **PREVIOUSLY CONNECTED DEVICES** list.

Result

After the Bluetooth device is connected successfully, the  icon will appear on the notification bar.

7.4 Set NFC

You can enable NFC if you want to exchange data with other devices via NFC.

Steps

1. Tap  → **Connected devices** → **Connection preferences** → **NFC**.
2. Enable **Use NFC**.

What to do next

Transfer data via NFC to other devices that support and have enabled NFC.

7.5 Manage Battery

You can enable battery saver and view battery percentage.

Steps

1. Tap  → **Battery**.
2. View the current battery status and information.
3. Optional: Enable **Battery Saver**.
 - 1) Tap **Battery Saver**.
 - 2) Tap **Set a schedule** to enable the battery saver according to the battery percentage. Select **Based on percentage** and drag the slider to set the specified battery percentage for triggering the battery saver. Tap **Use Battery Saver** to enable the battery saver immediately.
 - 3) Enable **Turn off at 90%**. The battery saver will automatically turned off when the battery reaches 90%.

3. Optional: Tap **Battery Manager**. Enable **Use Battery Manager** to detect the battery consumption of the applications.
4. Optional: Enable **Battery percentage** if you want the device to show battery percentage on the notification bar.

7.6 Set Display Parameters

You can set display parameters.

Steps

1. Tap  → **Display**.
2. Set brightness level, screen timeout, display size, and other parameters.

7.7 Set Sound Parameters

You can set sound parameters.

Steps

1. Tap  → **Sound**.
2. Set media volume, call volume, ring volume, and alarm volume according to the actual needs.

7.8 Manage Storage

You can view and manage storage space.

Steps

1. Tap  → **Storage**.
2. View the storage details.
3. Optional: Tap **Free up space** to clear the cache.
4. Optional: Enable **Storage Manager** and tap **OK** in the pop-up window. Tap **Storage manager** → **Remove photos & videos** to set the time beyond which the files will be deleted automatically.
5. You can view the storage space of different types of files.

7.9 Set Location

If you want to locate the device, enable location and set the parameters.

Steps

1. Enter location settings in the following two ways.
 - Slide down the notification center. Hold **Location** icon.
 - Tap  → **Location**.
2. Enable **Use location**.

3. Optional: Tap **App location permissions**. Manage the location permission for applications according to the actual needs.
4. Optional: Tap **Location services** → **Wi-Fi/Bluetooth scanning**. Enable scanning features if you need.

Wi-Fi scanning

System applications and services will detect Wi-Fi network to improve location information accuracy.

Bluetooth scanning

System applications and services will detect Bluetooth to improve location information accuracy.

7.10 Reset Device Settings

You can restore factory settings when parameters errors cause device exceptions.

Steps

1. Tap  → **System** → **Reset options**.
2. Select the reset option.

Reset Mobile Network Settings

Reset the mobile network parameters.

Reset Bluetooth & Wi-Fi

Reset the network and Bluetooth parameters.

Reset app preferences

Reset all the app preferences.

Erase all data (factory reset)

Erase all the data in the device storage space and reset the device to factory settings. Please operate with care.

Note

- A password is needed for verification before erasing all data.
 - The verification password is the password set during activation.
 - If no password was set during activation, the verification password will be the default password 123456.
-

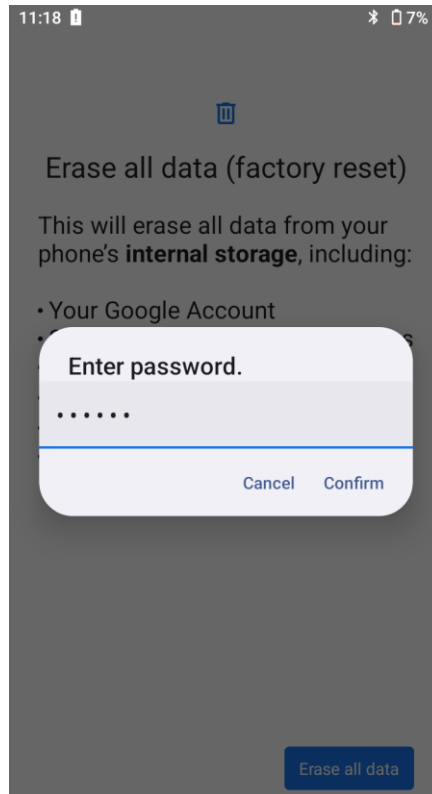


Figure 7-1 Erase All Data

7.11 View Device Information

You can view the device information.

Steps

1. Tap  → **About phone**.
2. You can view the model, build number, etc.



See Far, Go Further