Manuals+

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NETUM

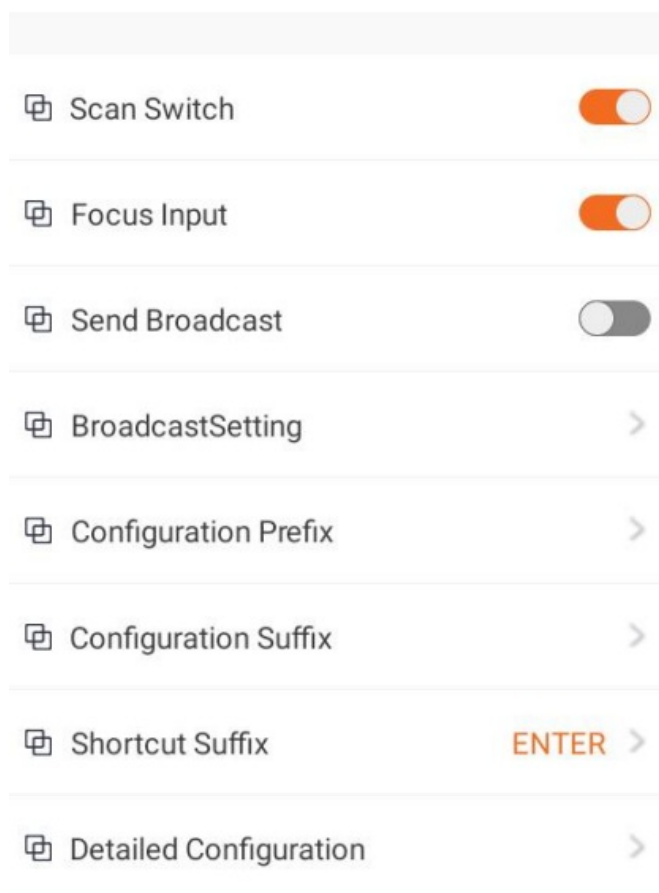## NETUM Q500 PDA Mobile Computer And Data Collector

Specifications

- **Model**: Q500
- **System**: M85
- **Function**: QR code scanning

Q500 Scan code function

In this M85 system, the QR code scanning function setting APP operated by the user has two parts: scanning QR code setting and QR code scanning tool. The following is a detailed description of the use of these two parts.

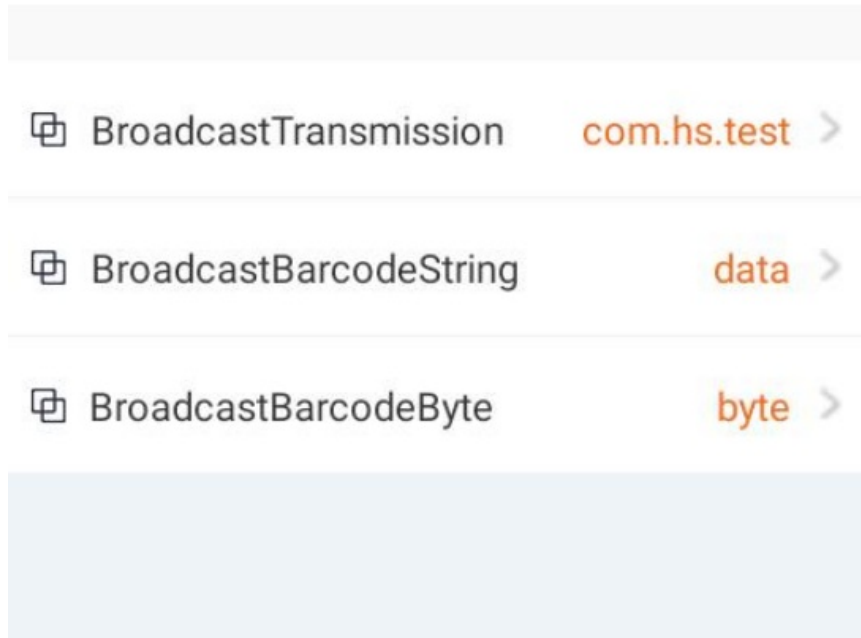## Scan code settings

Scan code switch

Switch the QR code scanning function on and off, the default is on; when set to off, the QR code scanning function is turned off.

Focus input

Input the scanned code result into the focus box of the current interface. This function is turned off by default; when turned off, the focus box of the current interface will no longer display the scan code results (except for the code scanning tool interface).

Send broadcast

The QR code scanning results are sent out through broadcasting and are not displayed in the focus input box (except for the QR code scanning tool interface). They are closed by default (that is, the QR code scanning results are output to the focus of the current interface by default).

⊡ BroadcastTransmission	com.hs.test >
⊡ BroadcastBarcodeString	data >
⊡ BroadcastBarcodeByte	byte >

Examples of third-party APP call broadcast methods and interface API description:

Monitor broadcast "com.android.hs.action.BARCODE_SEND"

Get results

IntentFilter filter = new

IntentFilter("com.android.hs.action.BARCODE_SEND");

register Receiver(mScan Result Receiver,

filter,"com.honeywell.decode.permission.DECODE", null);

String action = intent.getAction();

if (BROADCAST_BARCODE_SEND_ACTION.equals(action)) {

String scannerResult =

intent.getStringExtra("scanner_result");mTvResult.setText(scannerResult);

Declare in AndroidManifest

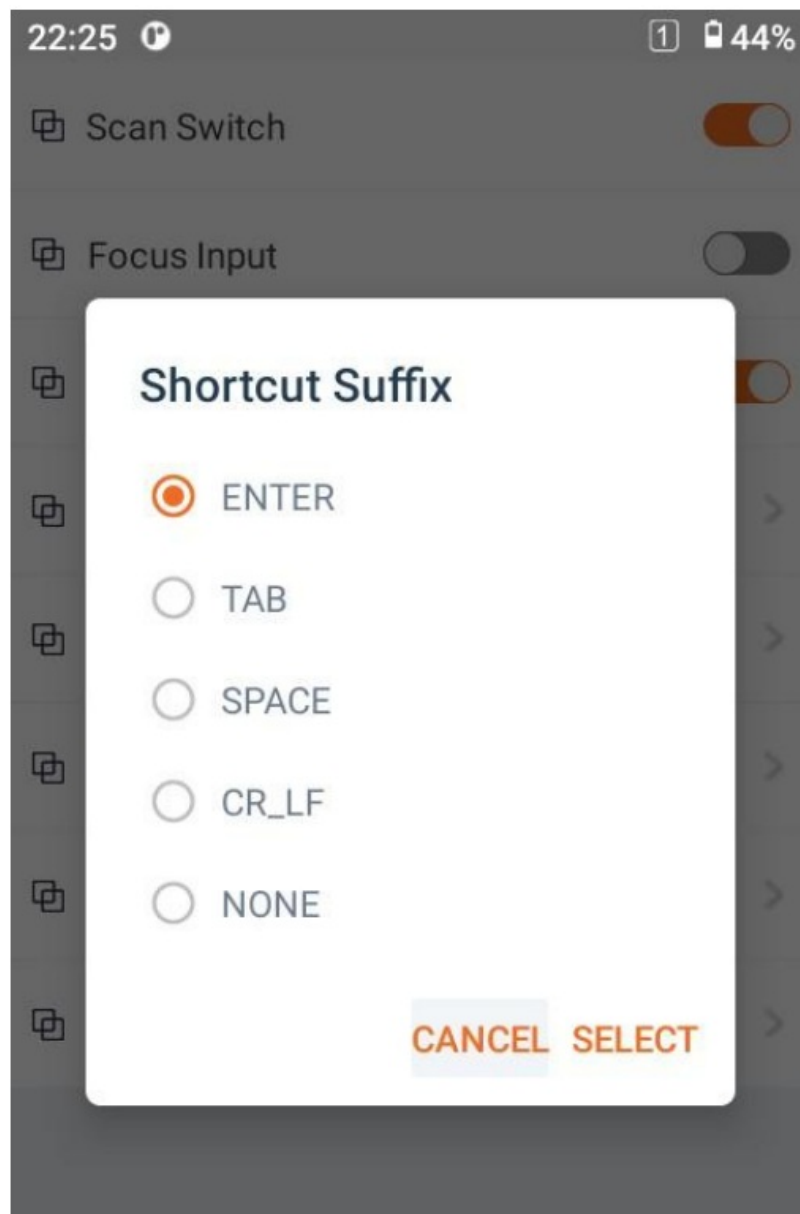<uses-permission android:name="com.honeywell.decode.permission.DECODE" />

Configuration prefix

Configure an additional string in front of the QR code scanning result. After setting the added string, the system QR code scanning service will automatically add the configured prefix string to the front of the QR code scanning result. Setting method: Click "Configure Prefix", enter numbers or other strings in the pop-up input box, and click "OK".

Configuration suffix

Configure an additional string after the QR code scan result. After setting the added string, the system QR code scan service will automatically add the configured suffix string to the QR code scan result. Setting method: Click "Configure Suffix", enter numbers or other strings in the pop-up input box, and click "OK".

Quick suffix

Set the shortcut suffix, and after the QR code scanning result is output, the function corresponding to the set shortcut character will be executed. The corresponding functions are as follows:

- **NONE**: No terminator is executed after the scan results
- **ENTER**: Automatically execute the carriage return function after scanning the QR code
- **TAB**: Automatically execute the tab function after scanning the QR code
- **SPACE**: Automatically add spaces after scan results
- **CR_LF**: Automatically execute the carriage return and line feed function after scanning the QR code

Scan key value

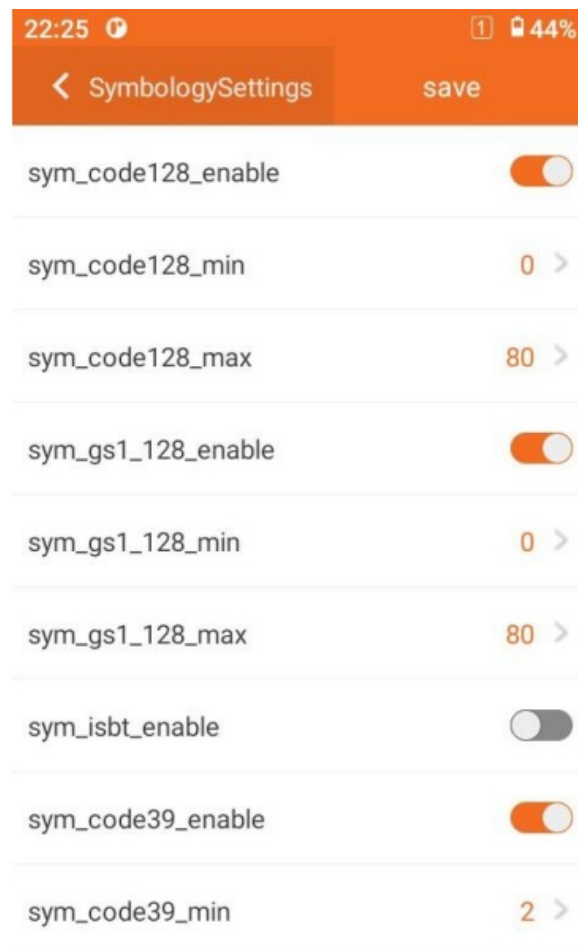For M85, the corresponding key values are as follows:

- Home key=Value "3"
- BACK key=Value "4"
- CALL = 5;
- ENDCALL = 6;
- 0 = 7;
- 1 = 8;
- 2 = 9;
- 3 = 10;
- 4 = 11;
- 5 = 12;
- 6 = 13;
- 7 = 14;
- 8 = 15;
- 9 = 16;

Detailed configuration

The detailed functions of the detailed settings of the QR code scanning assistant are divided into: code setting, decoding setting, import scanning configuration, export scanning configuration and reset all.

Code setting

Set the parsing switches of various code systems, the minimum and maximum length of parsing, and other parameters.
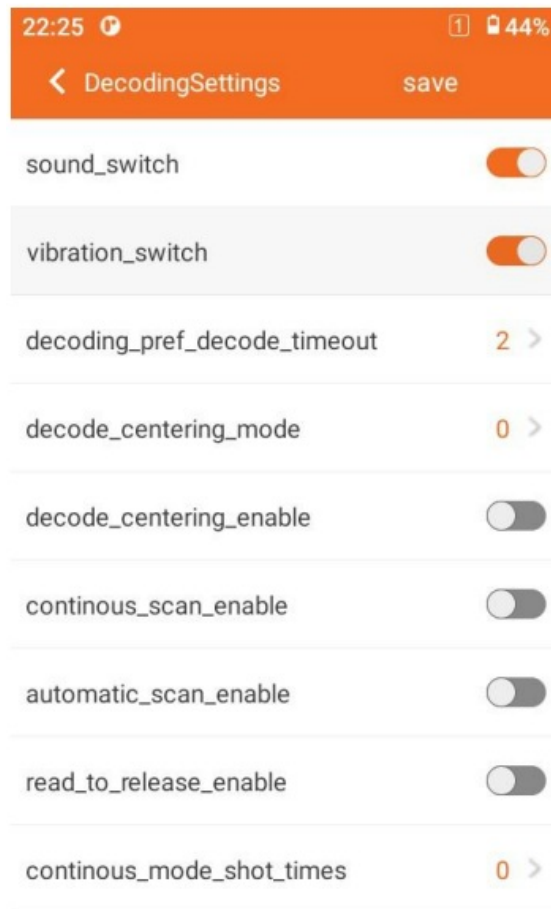
For example, the first code 128 shown in the picture above:

The switch of code128 is turned on by default. When scanning the code, the decoding library will parse the code of code128 type, and the system will output the parsed content; code128 min sets the minimum length of the code128 code that can be parsed. Code128 whose length is smaller than this set value will not be parsed. code128 max sets the maximum length of Code 128 codes that can be parsed. Code128 codes with a length greater than this set value will not be parsed.

Note on coding system settings A. The more code systems that are opened, the performance is not better, because the more code systems that are opened, the longer it takes for the decoding library to decode, and the parsing time for each code scan may increase, resulting in a worse user experience. According to the actual user experience, the Corresponding switch settings need to be made. B. The longer the decoding length range, the performance is not better. If the length range is too long, it will also increase the time spent on decoding. Please adjust it according to actual use needs. C. When in

actual use, if you encounter a code that cannot be scanned, you can query the code library and enable the corresponding code system verification in this settings menu.

Decoding settings

- The sound switch is turned on by default, and there will be a sound reminder for successful decoding; when it is turned off, there will be no sound reminder for decoding.
- **Vibration switch**: On by default, there will be a vibration reminder for successful decoding; when turned off, there will be no vibration reminder for decoding.
- **Scan code waiting time**: It is the time interval waiting for the decoding timeout after pressing the scan code button, such as
  - Change the scan waiting time to 3 and press the scan button.
  - The scanning laser light will remain on until 3 seconds expires, and the code scanningfunction ends; if the code is scanned in advance, the code scanning function will endearly.
- **Center scanning mod**e: You can set the accuracy of the center scanning mode. The setting range is 0-10. The larger the number, the higher the accuracy.
- **Center scanning switch**: can solve the problem of accidentally scanning nearby

barcodes. It is turned off by default. After turning on the "center scan switch", the laser light needs to be aimed at the center of the barcode, otherwise it cannot be recognized; When multiple barcodes are pasted together, the target barcode can be accurately identified and the accuracy of code reading can be improved.

- **Continuous code scanning switch**: off by default; when turned on, the continuous code scanning function is activated
- **Number of code outputs in continuous mode**:
  - Enter the number n in the input box,
  - Turn on the "Auto Scan" switch
  - When n is 1: Short press the scan button to start scanning, release the button to stop scanning; when n is greater than 1: After short pressing Scan, n barcodes can be scanned continuously.
- **Automatic code scanning switch**: turned off by default; when turned on, the automatic code scanning function is activated. Press and hold the code scanning button to continue scanning the code.
- **Scan the code after releasing the button**:
  - Off state: recognize the barcode immediately after pressing the Scan key
  - Open state: Press the Scan button and release the button before the barcode can be recognized.
- **Continuous scanning interval**:
  - Enter the continuous code scanning interval n (unit: / second)
  - Turn on the continuous code scanning switch
  - Press the Scan button to scan the code and recognize the first barcode. The second barcode will be automatically recognized after n seconds.
- **Same code scanning interval**:
  When the interval is set, the same code scanned within the interval will not be processed. For example, set the interval to 3, start scanning the code, and within 3 seconds, scan the same code again, and no decoding will be performed this time.
- **DPM quick setting**: Industrial code enable switch, the default is off. When turned on, you can scan the code printed on the industrial component.
- **GSI_128 automatic brackets**:
  - GSI_128 code contains (), and general decoding tools will automatically hide the brackets when decoding.
  - Turn on the "GSI_128 automatic brackets" switch and scan the GSI_128 code ()

display normally

(00) 354123451234567892 (420) 1000

GS1-128码

(01)04035999100314

- **The length of the result that needs to be filtered**: the scanned decoded data, the length of the discarded data that needs to be filtered.
- **Starting point of filtering**: the decoded data needs to discard the starting position of the string.
- **End point of filtering**: decoded data, the end position of the string needs to be discarded.

Import code scanning configuration

Import the QR code scanning configuration file under the Documents folder in the file system into the QR code scanning settings, and take effect.
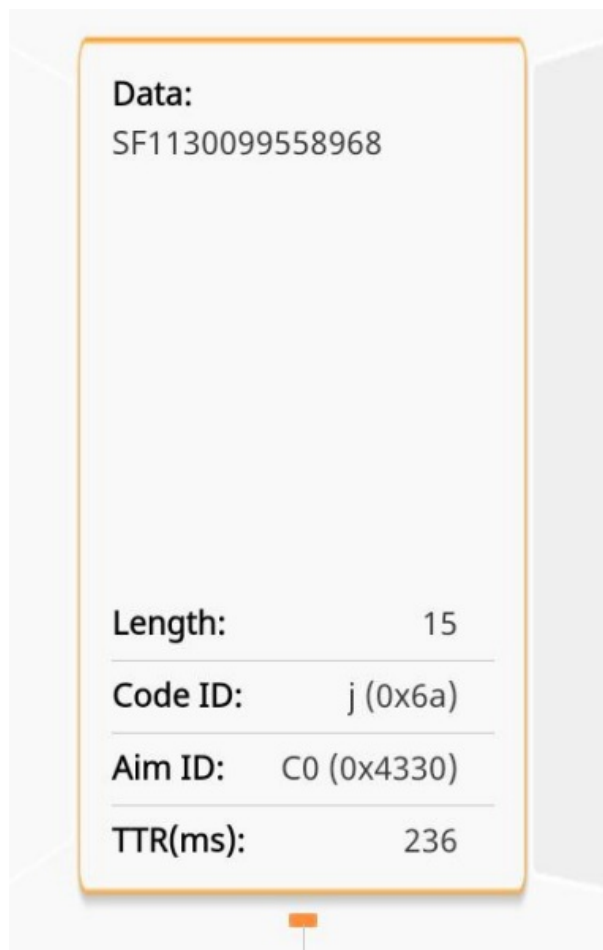
Export scan code configuration

Export the manually set parameters from the QR code setting interface to the Documents folder of the file system..

Reset all

Reset all setting items manually set by this APP to factory default status and values

Scanning tool

Data:
SF1130099558968

Length:	15
Code ID:	j (0x6a)
Aim ID:	C0 (0x4330)
TTR(ms):	236

This interface is used to test and display the code scanning results. Click the scan button on the interface or the code scanning button on the fuselage to start the code scanning function. The interface displays decoded content, length of decoded data, encoding type, cursor type, and decoding time.

Automatic code scanning

Turn on the "automatic scan" switch, short-press the Scan button, the scanning laser will automatically emit light continuously, and the scanning laser will turn off after the barcode is recognized.

Scan the code continuously.

Turn on the "Auto Scan" switch, short press the Scan button, the scanning laser will light up, release the button, and the scanning laser will turn off. Swipe left to display historical scan result data.

FAQs

Q: How to configure the prefix and suffix for QR code scanning results?

A: To configure the prefix, click on 'Configure Prefix', enter the desired string in the input

box, and click 'OK'. Similarly, for configuring the suffix, click on 'Configure Suffix', enter the desired string, and click 'OK'.

Q: What are the available quick suffix options for QR code scanning results?

A: The available quick suffix options are: NONE, ENTER, TAB, SPACE, and CR_LF. Each option corresponds to a specific function after scanning the QR code.

Q: How can I switch the QR code scanning function on and off?

A: You can switch the QR code scanning function on and off by toggling the Scan Code Switch setting.

Documents / Resources

	[NETUM Q500 PDA Mobile Computer And Data Collector](#) [[pdf](#)] User Manual Q500, Q500 PDA Mobile Computer And Data Collector, Q500, PDA Mobile Computer And Data Collector, Mobile Computer And Data Collector, Computer And Data Collector, Data Collector, Collector

References

- [User Manual](#)

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