

G80 Utility

For Thermal Receipt Printer

Quick Start Guide

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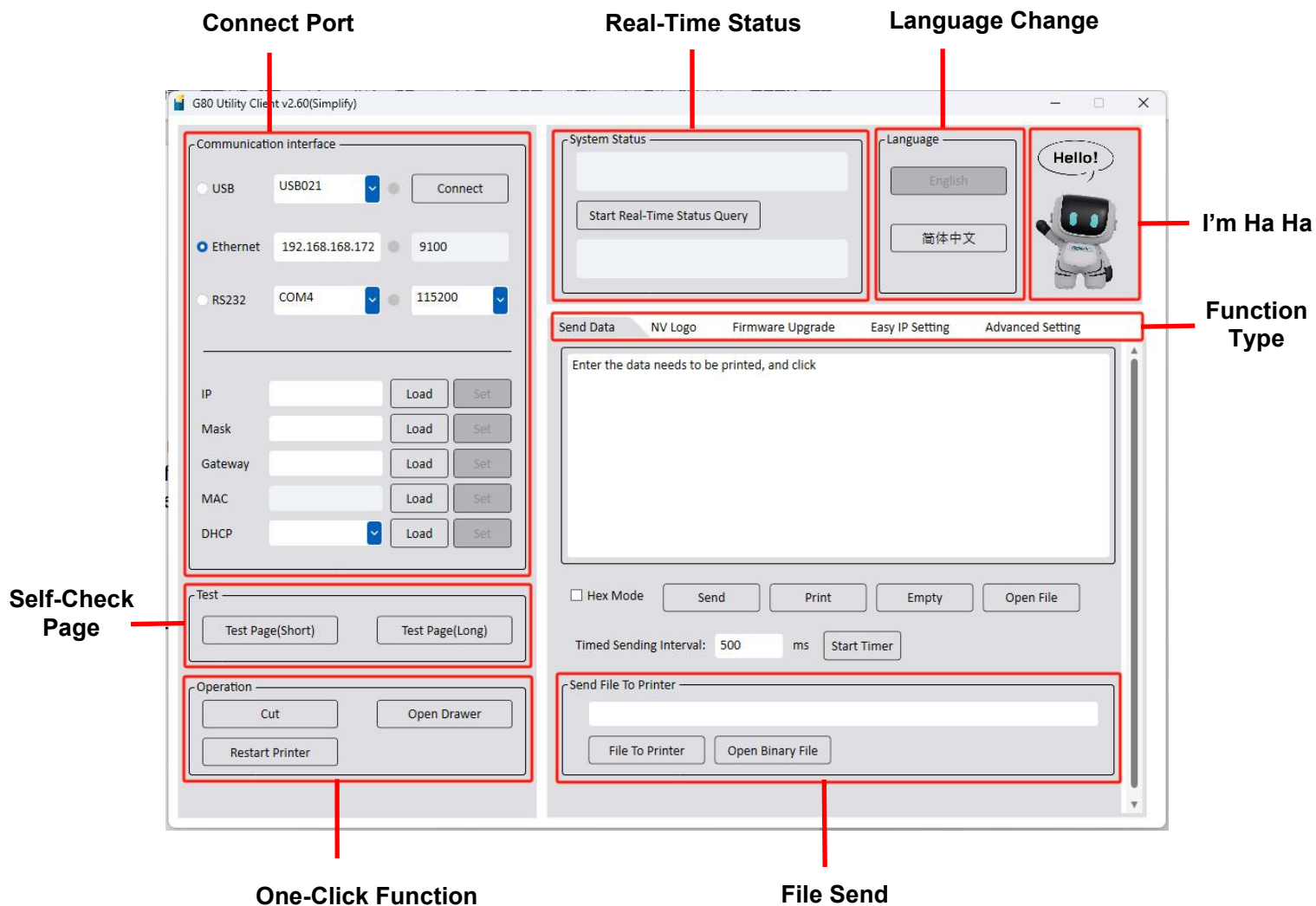
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1. Basic Introduction

The G80 tool is a comprehensive and powerful tool that allows customers to obtain the current status information of the printer at any time, and it can support one-click print self-test pages and one-click restart.

1.1 Start the G80 Utility

Double click G80 Utility and you will enter the tool.

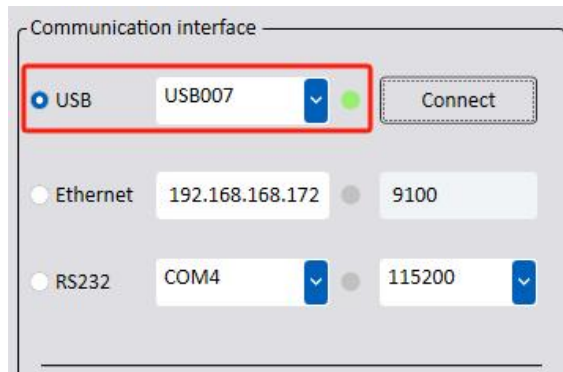


2. Connect Port

2.1 USB

▲ When you select the USB interface, you need to find the corresponding USB port number and click "Connect" button.

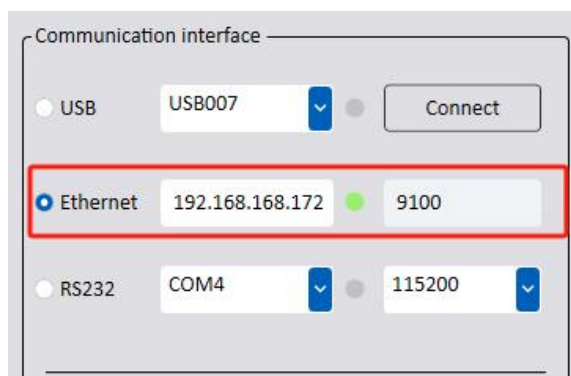
When the connection is successful, it will be displayed in green.



2.2 Ethernet

▲ When you select Ethernet, you need to enter the current IP address of the printer and click the "Connect" button. 9100 is the default and can't change IP port number.

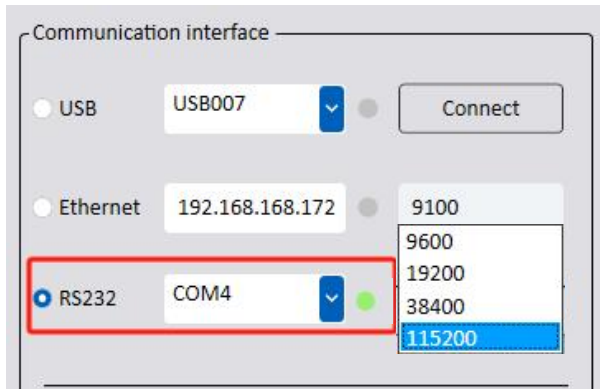
When the connection is successful, it will be displayed in green.



2.3 RS-232

▲ When you select the RS-232 interface, you need to select the current baud rate of the printer and click the "Connect" button.

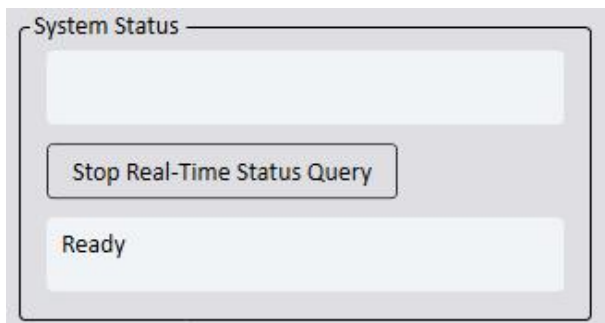
When the connection is successful, it will be displayed in green.



3. Real-Time Status

3.1 System Status

▲ You can get the current status of the printer at any time through this function.



4. Language Change

4.1 Language

▲ You can switch between Chinese and English at will.



5. Self-Check Page

5.1 Test Page

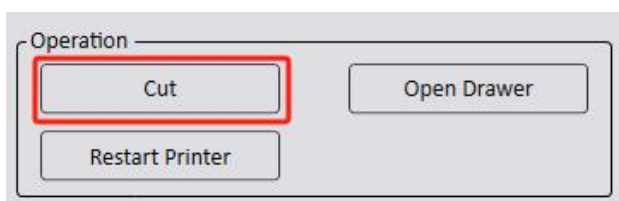
▲ You can click the button to print the current setting information of the printer (firmware version/interface information /Code Page, etc...).



6. One-Click Function

6.1 Cut

▲ You can click this button to test whether the cutter is working properly, or cut the paper directly.



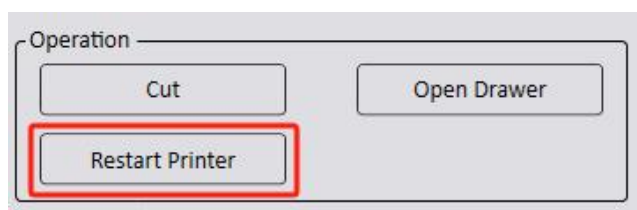
6.2 Open Drawer

▲ You can click this button to test whether the wiring of the drawer is normal, or directly open the drawer.



6.3 Restart Printer

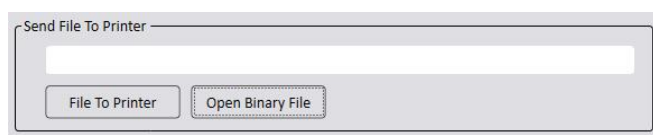
▲ When you set (IP/WiFi/BT, etc., etc.) After that, you can click this button to restart the Settings to take effect, or restart directly.



7. File Send

7.1 Send File To Printer

▲ This window can update the firmware version with the file suffix "Online".



8. Function Type

8.1 Send Data

▲ You can send hexadecimal data (instructions) to the printer for printing content, and you can also send it continuously at regular intervals.

The screenshot shows the 'Send Data' tab selected in a menu bar. Below the menu bar is a large text input area with the placeholder text 'Enter the data needs to be printed, and click'. At the bottom of the window, there is a control panel with a red border. This panel includes a checkbox for 'Hex Mode', four buttons labeled 'Send', 'Print', 'Empty', and 'Open File', a 'Timed Sending Interval' field set to '500' with a unit dropdown set to 'ms', and a 'Start Timer' button.

8.2 NV Logo

▲ You can upload the Logo image to the printer through this window and change the parameter Settings of the logo.

The screenshot shows the 'NV Logo' tab selected in a menu bar. Below the menu bar is a control panel with a red border containing five buttons: 'Open Image Files', 'Image(s)', 'Clear All Images', 'Download Logo', and 'Clear Logo'. Below this panel is a 'Logo Preview' area on the left and an 'NV Logo Parameter Setting' panel on the right, both with red borders. The parameter setting panel includes four radio button options: 'Single Width Height' (selected), 'Double Width', 'Double Height', and 'Double Width Height'. Below these is a field for the number of pieces, currently set to '1'. At the bottom of the parameter setting panel is a 'Print Logo' button.

8.3 Firmware Update

▲ This window requires special steps to be used normally. Only files with the suffix "IAP" can be sent for firmware updates. For detailed instructions, please refer to the operation instructions in the firmware compressed package.

The screenshot shows the 'Firmware Upgrade' tab in the G80 Utility Client. At the top, there are tabs for 'Send Data', 'NV Logo', 'Firmware Upgrade' (selected), 'Easy IP Setting', and 'Advanced Setting'. Below the tabs, there is a section for 'HID Device Connection Status' with a text box and a 'Connect to Another Printer(Reconnect)' button. Below that is a text box and an 'Open File' button. The 'Parse Data' section contains a progress bar, a 'Status:' label, and a 'Time: [] Seconds' label. The 'Download Data' section contains another progress bar, a 'Status:' label, and a 'Time: [] Seconds' label, along with a 'Download Firmware' button.

8.4 Easy IP Set

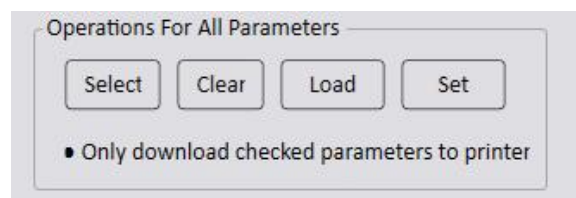
▲ You can set the printer's network port IP across network segments through the steps in this window. This function is mostly applied in complex network environments.

The screenshot shows the 'Easy IP Setting' tab in the G80 Utility Client. The window is titled 'G80 Utility Client v2.60(Simplify)'. It has two tabs: 'Advanced Setting' and 'Easy IP Setting' (selected). The 'Easy IP Setting' tab is divided into three main sections: '<1> Get the local IP', '<2> Search for printers on the LAN', and '<3> Enter IP parameters'. The first section shows 'Local IPv4: 192.168.168.61' and 'Gateway: 192.168.168.1' with dropdown arrows, a 'State: Ready' indicator, and a 'Scan the LAN' button. The second section is a table with columns 'MAC', 'IP', 'DHCP', and 'PORT'. The third section shows 'IP', 'Mask', 'Gateway', 'DHCP' (with a dropdown arrow), and 'DHCP Timeout' (with a text box and a 's' unit). There is a '<4> Set the parameters' button at the bottom right.

8.5 Advanced Set

1). All Operations

▲ If you have multiple parameters to set, after you make your selection, you can set all the options with one click.



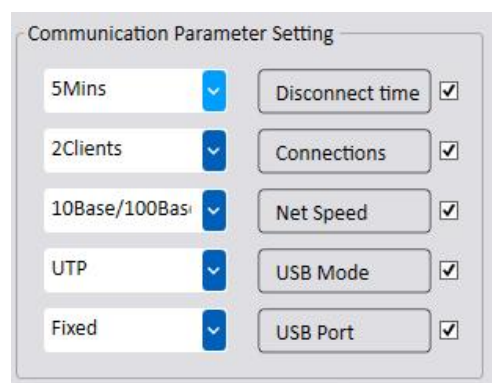
Operations For All Parameters

Select Clear Load Set

• Only download checked parameters to printer

2). Communication Parameter Set

▲ This window can be used to make relevant network Settings and set the virtual serial port function.

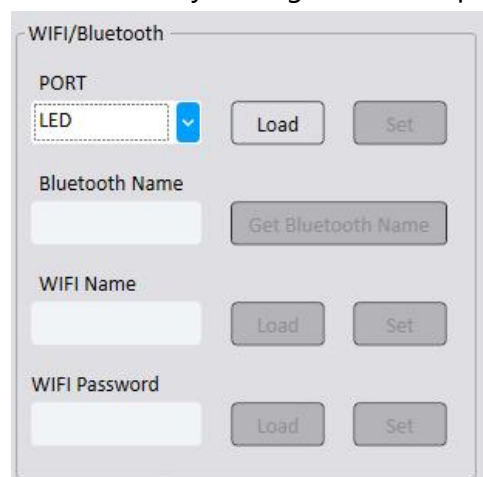


Communication Parameter Setting

5Mins	Disconnect time	☒
2Clients	Connections	☒
10Base/100Base	Net Speed	☒
UTP	USB Mode	☒
Fixed	USB Port	☒

3). WiFi/Bluetooth

▲ This window is set to LED by default. If you have purchased WiFi/BT, you need to set the selected port here. If you have updated the firmware version, you need to select WiFi or BT again, as the printer will automatically reset to factory Settings after the update is completed.



WiFi/Bluetooth

PORT
LED Load Set

Bluetooth Name
Get Bluetooth Name

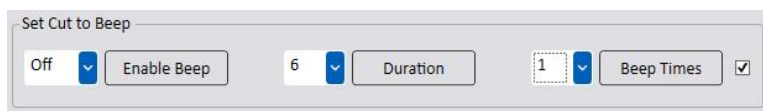
WiFi Name
Load Set

WiFi Password
Load Set

4). Set Cut To Beep

▲ This setting is the buzzer setting after paper cutting. You can turn it on or off. The interval time between the buzzer sounds (1 to 10 seconds); Frequency of chirping.

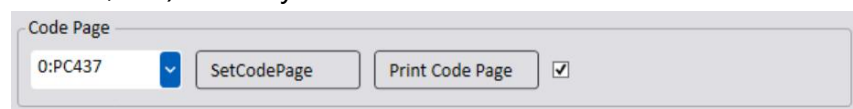
This function is generally applied in noisy environments to remind users that the printer has completed the print and to retrieve the printed content in time.



The 'Set Cut to Beep' window contains the following controls: a dropdown menu set to 'Off', an 'Enable Beep' button, a numeric input field set to '6' with a 'Duration' label, another dropdown menu set to '1', a 'Beep Times' label, and a checked checkbox.

5). Code Page

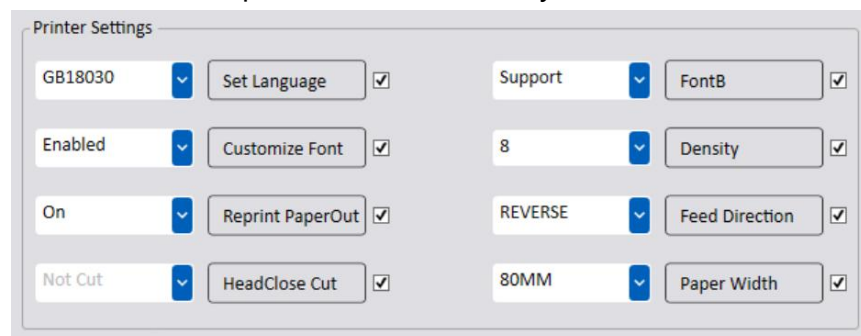
▲ It determines how the printer converts the received commands (such as ASCII, Unicode) into printable characters. Different languages and regions use different code pages. Correctly setting up the code page can ensure that the printer displays special characters, symbols or non-Latin letters (such as Chinese, Japanese, Russian, etc.) correctly.



The 'Code Page' window contains a dropdown menu set to '0:PC437', a 'SetCodePage' button, a 'Print Code Page' button, and a checked checkbox.

6). Printer Set

▲ You can set the parameter information you need here.

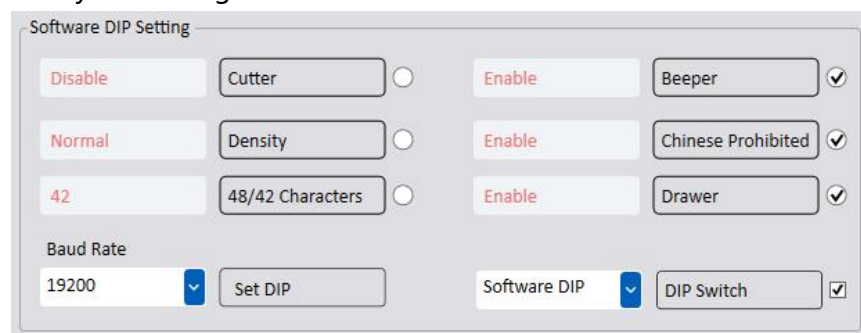


The 'Printer Settings' window is organized into two columns. The left column contains: 'GB18030' dropdown, 'Set Language' button with checkbox, 'Enabled' dropdown, 'Customize Font' button with checkbox, 'On' dropdown, 'Reprint PaperOut' button with checkbox, 'Not Cut' dropdown, and 'HeadClose Cut' button with checkbox. The right column contains: 'Support' dropdown, 'FontB' button with checkbox, '8' dropdown, 'Density' button with checkbox, 'REVERSE' dropdown, 'Feed Direction' button with checkbox, '80MM' dropdown, and 'Paper Width' button with checkbox.

7). Software DIP Set

▲ You can set the cutter /Beeper/ concentration/character count/drawer/Chinese, as well as the serial port baud rate in this window.

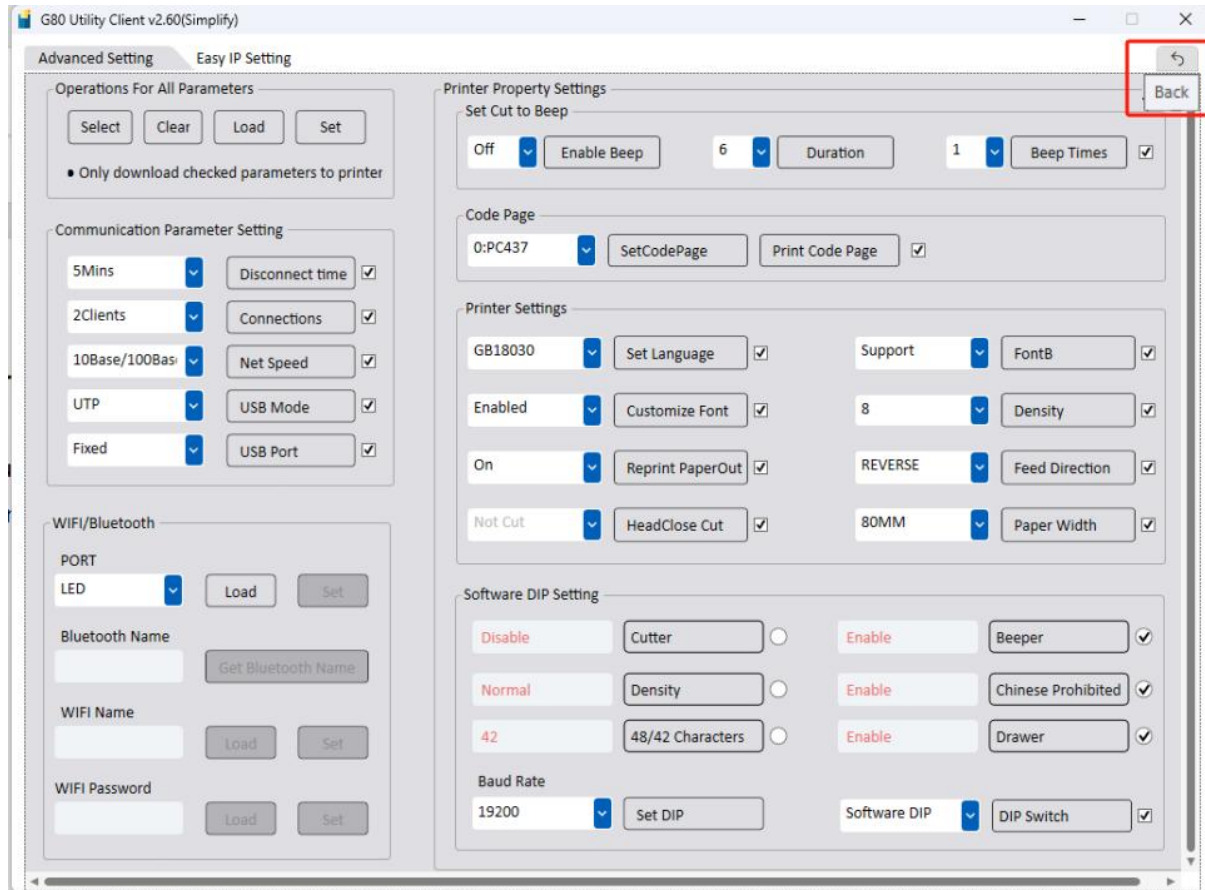
You can check or not check to get different results. When you are ready, click "Set DIP" and the printer will save your Settings.



The 'Software DIP Setting' window contains several controls: 'Disable' and 'Enable' buttons for 'Cutter' (radio button), 'Beeper' (checkbox), 'Density' (radio button), 'Chinese Prohibited' (checkbox), '42' and '48/42 Characters' buttons (radio button), and 'Drawer' (checkbox). At the bottom, there is a 'Baud Rate' dropdown set to '19200', a 'Set DIP' button, a 'Software DIP' dropdown, and a 'DIP Switch' button with a checked checkbox.

9. Return To The Previous Interface

▲After you complete the Settings in the second-level interface, if you need to return to the first-level interface, you can click the arrow in the upper right corner to go back directly.



Update History

Date	Content	Editor
2025/5/9	The first version of the content was formulated	Allen

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