



YUBWVO W50 Android Scanner Easy Setup User Guide

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YUBWVO

YUBWVO W50 Android Scanner Easy Setup



Product Information

Specifications

- **Model:** W50 Android Scanner
- **Version:** 1.00
- **Scan Head:** Included
- **Micro USB:** Included
- **Pogo pin:** Included
- **Headphone jack:** Included
- **Microphone:** Included
- **Function button area:** Included
- **TP (touch screen):** Included

Product Usage Instructions

Packing Open and Installation

What's in the box?

Open the box and check for the following items:

- W50 Android Scanner device
- SIM card or Micro SD slot (for storage)
- Battery
- Charging cable

Install the SIM or Micro SD

Insert your SIM card or Micro SD into the designated slot on the device.

Using Battery

Insert the battery into the device following the provided instructions.

Charging the Device

Connect the charging cable to the device and a power source to charge it.

Scanning

To scan items, point the scan head at the barcode or QR code and press the function button to capture the data.

Screenshot

To take a screenshot, press the designated button combination as per the user manual.

Operation

Follow the instructions in the user manual for barcode scanning, network connections, resetting options, and other operations.

FAQ

- **Q:** How do I reset the device?
- **A:** Navigate to the Reset Options section in the user manual and follow the steps provided to reset the device.
- **Q:** How do I connect to a Wi-Fi network?
- **A:** Go to the Wi-Fi settings in the device, select your network, and enter the password to connect.
- **Q:** Can I change the output format of scanned data?
- **A:** Yes, refer to the Scan App Settings in the user manual to customize the output format.

Product Overview



Figure 1- 1 Product overview

Key		Function
1	Scan Head	Support 1D code / 2D code scanning.
2	Micro USB	Transmits data through the data cable, and can also charge the rugged handheld
3	Pogo pin	Used to connect the charging base, expand USB and the network port/charging interface
4	Headphone jack	3.5mm standard Earphone Audio output Interface
5	Microphone	Receive the voice of the speaker
6	Function button area	Home button, F1,F2 custom function button, menu button
7	TP (touch screen)	G+FF, Corning Gorilla Glass 3
8	Front Camera	5.0MP, support photo and video
9	Receiver	Listen to the other person's voice when making a phone call
10	Volume keys	Decrease/increase volume
11	Scan key	Open the scan shortcut key
12	Power button	Press to start or close the screen display
13	Speaker	Built-in speaker for playing video and music
14	Rear lid lock	Lock the back cover to protect the battery
15,16	Rear Camera Flash Lamp	13.0MP, support photo and video Adjust the brightness of the light when taking pictures
17,18	NFC sensing area Battery cover	Built-in battery cover, read sensor card data Protect the battery







Packing Open and Installation

What's in the box?

When you receive the package, open and check the packing list in the package.



Table 2-1 Packing List

Name	Picture	Description
Pistol grip		The PDA is connected via Bluetooth and can be scanned directly by pressing the pistol trigger button
USB Cable		Connect the Plug to charge the PDA USB port to connect to a PC and the other end to a PDA to transfer data
Lanyard		Tied to the lower right corner of the body to protect the machine from drops and stability during use
Handheld Terminal Device(PDA)		Octa-core Cortex-A53 CPU Android 11 System Zebra SE4710 Scan head
Plug		5V 2A charge plug
Screw (Locking Pistol grip)		For fixing the pistol grip to the PDA

Install the SIM or Micro SD

- Unlock the back cover tabs and remove the battery.
- Place the SIM card or Micro SD Card into the tray as shown.

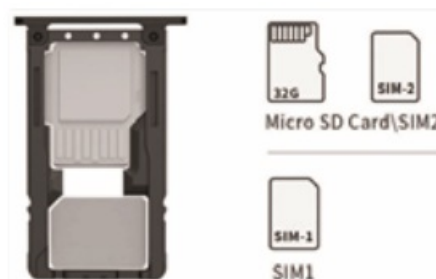


Figure 2 - 1 SIM card slot

Using Battery

The W50 uses a non-removable battery, after receiving it you can turn it on directly and use it, if you can't turn it on please use the original power cable in the package to charge it for 30 minutes and then it will work normally.

- Do not leave the battery unused for a long time, no matter it is in the device or inventory.
- The lifespan of a Li-ion battery is around 2 to 3 years, the battery capacity will be lower after circularly charged about 300 times.
- (One full battery charge period means completely charged and completely discharged.)

- If a battery is stored or otherwise unused for an extended period, be sure to follow the storage instructions in this document.
- If the W50 fails to power on or charge, this indicates that there is usually a problem with the battery. the W50 has a removable battery, and we can provide you with a replacement battery , please contact our team of professional technical engineers (refer to section 5.0)
- Store the battery at temperatures between 5 °C and 20 °C (41°F and 68°F).

Tip

While charging, the device and the charger may become hot and stop charging. This usually does not affect the device's lifespan or performance and is in the device's normal range of operation. For more solutions to battery woes, refer to Troubleshooting.

Charging the Device

- The charger type is GME10D-050200FGu, output voltage/current is 5V DC / 2A. The plug is considered as a disconnect device of the adapter. Connect the device to the cable. The device turns on and starts charging. The charge/notification LED is blue when charging and changes to a steady green when fully charged.

Tip:

The standard battery charges from fully depleted to 90% in approximately seven hours and from fully depleted to 100% in approximately three hours. In many cases, 90% provides a significant charge for everyday use. Depending on usage, a 100% charge lasts approximately 14 hours.

Battery Usage Tips

- Do not use the battery in direct sunlight or smoky and dusty environments
- Do not strike, squeeze or step on the battery, nor throw it into liquid or fire.
- If the battery is deformed or damaged, replace immediately
- Any product warranty is only valid if batteries are supplied by YUBWVO
- Charging time should not exceed 24 hours. Over-charging or
- over-discharging may damage the battery
- If the product is not being used for an extended period, whether in storage or otherwise, make sure to recharge the battery at least every 6 months.
- Battery Charging

Scanning

To read barcodes, a scanning-enabled application is required. The device contains the HardDecodeScan application. The function of the app is to allow the user to enable the scan processor, decode the barcode data and display the barcode content, outputting the barcode to the corresponding open app.

- Ensure that an application is open on the W50 and that a text field is in the cursor
- Place the top scanning head squarely on the barcode and press the scan button

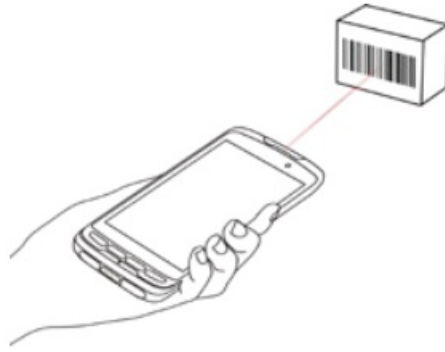


Figure 2- 2 The red LED red aiming dot turns on to assist in aiming

Screenshot

Capture an image of your screen. Your device will automatically create a screenshot album in the Photos app.

- Operation path: Scroll down the status bar > select the Screenshot function (if not on the first page swipe right to go to the second page)
- tap Screenshot Long press the volume down and power button

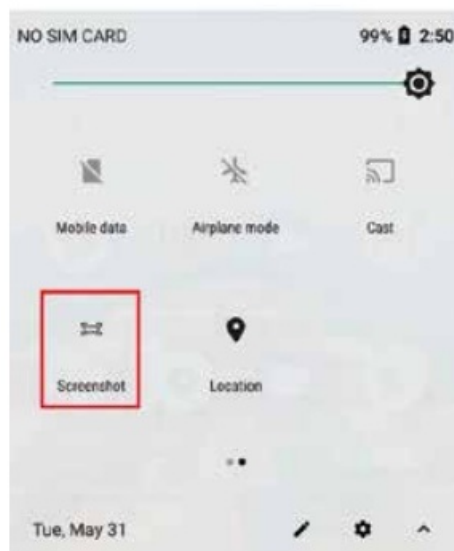


Figure 2- 3 Status bar

Download (User Manual & SDK)

You can download this manual and the SDK for our models with the links below:


User Manual & SDK:

<https://u.pcloud.link/publink/show?code=XZFf8DVZ2204yFOflw41aqUiPLvfojVm5S70>

Operation

Barcode Scan Data capture

This section provides information on using the various scanning options and scanning barcode data.


The **HardDecodeScan**  app is an internal software application to test barcode scanning. Meanwhile, it can be used in some basic business scenarios depending on the customer's choice. Please review this chapter for more

information and details.



Figure 3-1 Module Selection

Please select “Motorola Two dimensional” in the Module selection to match and enable our inner scanner when you first time to use.

- Tap to  select more options.
- Tap “Module selection” to choose Scan Module.
- Select “Motorola Two dimensional”.

Scan App Settings

Scan settings allows you to set up common scan settings in this section, including the addition of prefixes and suffixes, virtual scan buttons, scan output modes, and the need to perform a restore if you encounter a scan problem.

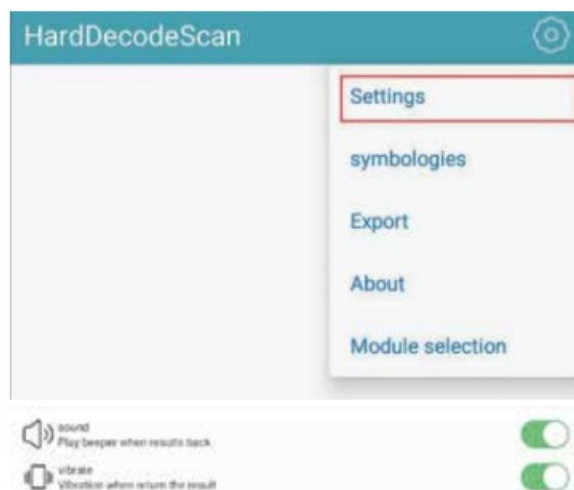


Figure 3- 1 Scan Settings

Turn on this option to apply the sound or vibrate reminder when scanning successfully.

Tip:

If there is still no sound after switching on, press and hold the volume button on to cancel the mute mode. If you are experiencing problems with your scan head and are unable to produce light and recognise content, click on Scanner restored factory settings to fix the problem.

Change the output to be compatible with different software

You can change the output method in the input type for better compatibility with software output.

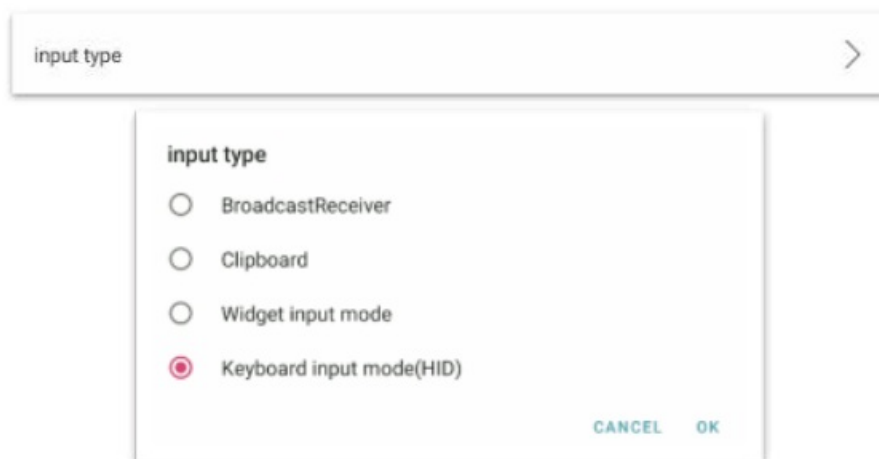


Figure 3- 2 Scan output mode changes

- Broadcast Receiver: It is the method that uses the broadcast mechanism of Android to transfer data to the program.
- Clipboard: Scan results will be saved in the clipboard, and can be pasted directly to anywhere with the cursor.
- Widget input mode: All scan results will be input to the widget at once. Keyboard input mode (HID): Scan results will be input by virtual keyboard.

Tip:

If scanning output is not possible in the scanning software, please change to keyboard input mode.

Set prefix and suffix



Figure 3- 3 Scan prefix and suffix

- Prefix: The prefixing numbers or letters will be added to the front of the output.
- If you input 'ABC', and the original barcode is '12345', then the final output will be as 'ABC12345'.
- Suffix: The suffixing numbers or letters will be added to the front of the output.
- If you input 'ABC', and the original barcode is '12345', then the final output will be as '12345ABC'.

Filter characters

In the scan output content, special content is prohibited from being output.



Figure 3- 4 Filter characters

Barcode Settings

We've integrated some common Barcode settings in this section. Under this section, you will find 'Base setting' and some common barcodes of 1D and 2D. Some Settings need to be turned on manually.

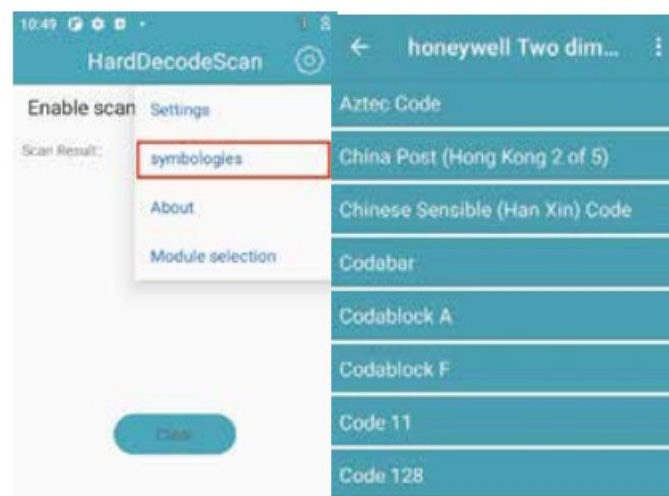


Figure 3- 5 Barcode setup

- Tap to  select more options.
- Tap “symbolologies” to choose Bar code settings Click on the barcode to be set to access the secondary menu for barcode output settings



Figure 3- 6 Code128 settings

Network & Connect


This section provides manage connections between your device and a variety of networks and other devices.

Wi-Fi


You can connect your device to a Wi-Fi network to access the Internet without using your mobile data.



Figure 3- 7 Turn on Wi-Fi

1. From Settings, tap  Network & Internet → Wi-Fi, and then tap to turn on Wi-Fi and scan for available networks
2. Tap a network, and enter a password if required.
3. Tap Connect


Connect to a Hidden Wi-Fi Network

1. From Settings, tap  Network & Internet → Wi-Fi, and then tap to turn on Wi-Fi and scan for available networks.
2. Tap a network, and enter a password if required.
3. Tap Connect
4. Enter information about the Wi-Fi network:

- Network name: Type the exact name of the network
- Security: Select a security option from the list, and enter the password if required.
- View more: Define other advanced options, such as IP and Proxy settings.

4. Tap Save.

Mobile Networks

Use Mobile networks to configure your device's ability to connect to mobile networks and use mobile data. Insert a SIM  card before using it, Options may vary by carrier

1. From Settings, tap Network & Internet -->  Mobile networks

- Data roaming: Enable data roaming usage.
- Preferred networks: Select the priority of sim cards or network type. Preferred network type: Choose your preferred Network type.
- Access Point Names: Choose or add APNs, that have the network settings your device needs to connect to your provider.
- Network operators: Choose available and preferred networks.

Data roaming: Enable data roaming usage.

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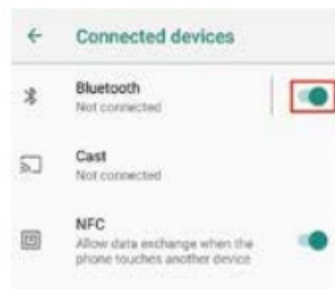


Figure 3- 8 Turn on Bluetooth

1. rom Settings, tap -->  System -->  Reset options. The following options are available

- Reset Wi-Fi, mobile & Bluetooth: You can reset Wi-Fi, mobile data, and Bluetooth settings with Reset network settings.
- Reset app preferences: You can reset all app preferences settings and will not lose any app data.
- Erase all data (factory reset): You can reset your device to factory defaults, erasing all data from your device.

This action permanently erases ALL data from the device, including Google or other account settings, system and application data and settings, downloaded applications, as well as your music, photos, videos, and other files.

Pistol grip connection

The handle unit is used to assist in scanning bar codes and can be quickly scanned by pressing the trigger button on the handle. (The handle is connected via Bluetooth, factory paired by default)



Figure 3- 10 W50 Pistol grip



Figure 3- 11 Installation screws

Note:

If the handle is disconnected please follow the tutorial below to reconnect



Figure 3- 12 Bluetooth grip switch

1. Press the switch to ON to turn on the Bluetooth joystick (when turned on, the Bluetooth joystick will light up with a flashing blue light).

Tip:

If no blue light is emitted after pressing ON, please charge the handle first

Open the Settings App in the PDA to connect a Bluetooth device

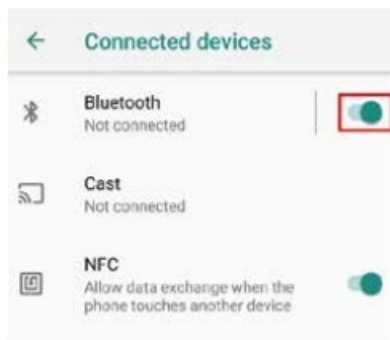


Figure 3- 13 Turn on Bluetooth

1. From Settings, tap Connected device -Bluetooth, and then tap to turn on Bluetooth.
2. Tap a device and follow the prompts to connect.

3. Select BLE-(Handle number) to connect to Bluetooth.

4. The settings page indicates that the BLE-(Handle number) is connected.

5. The light stays on for a successful connection

Button assignment App

This section is about customising the keypad software. The key customization software allows the customization of keystrokes including button mapping and broadcast call mode. Main function settings F1, F2 buttons. The

ButtonAssignment app is a user-defined software for modifying button functions.



Figure 3- 14 Software main interface

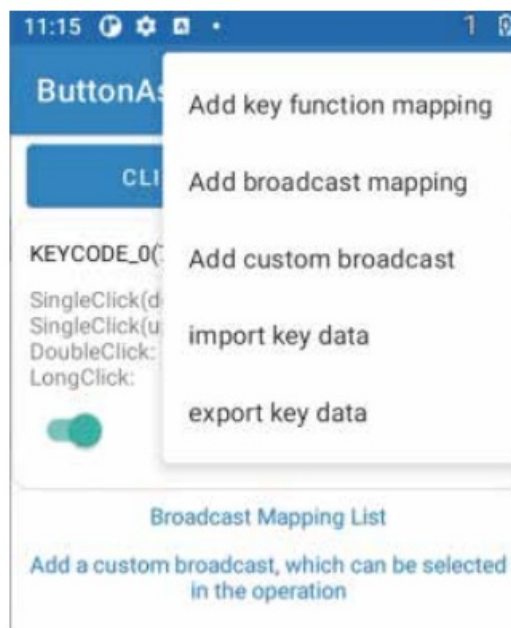


Figure 3- 15 Software setup

- For general settings, click on CLICK THE ADD BUTTON to set up.
- Keyboard broadcast mode, enable keyboard broadcast mode, capture
- the key value and keep broadcast mode enabled, click on the
- ButtonAssignment App to map to a specific key function

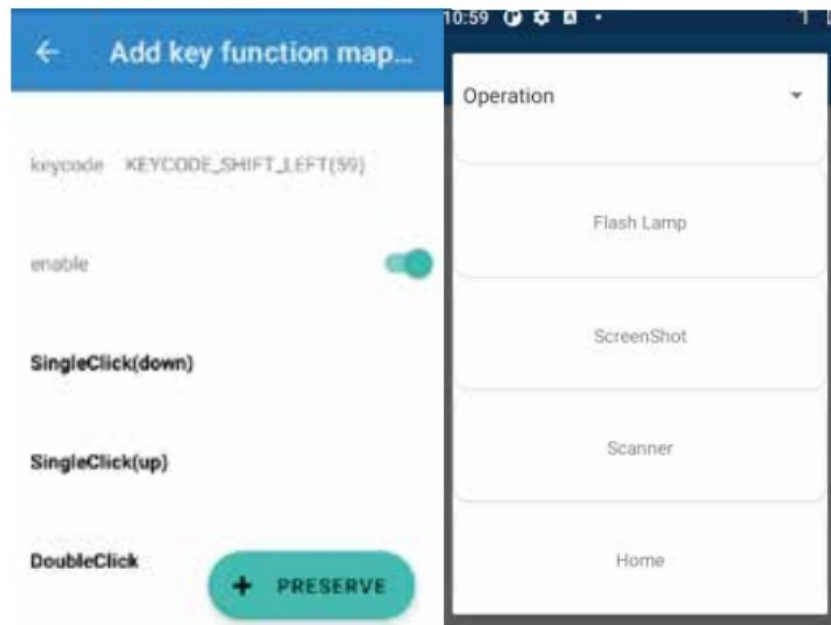


Figure 3- 16 Key function settings

- “CLICK THE ADD BUTTON” function for adding custom keys.
- Once in the interface, press the button you need to customise.
- Select SingleClick (Down), SingleClick(up),DoubleClick one of the ways to set up the operation.
- Set the corresponding function mapping.
- Click on PRESERVE to save.

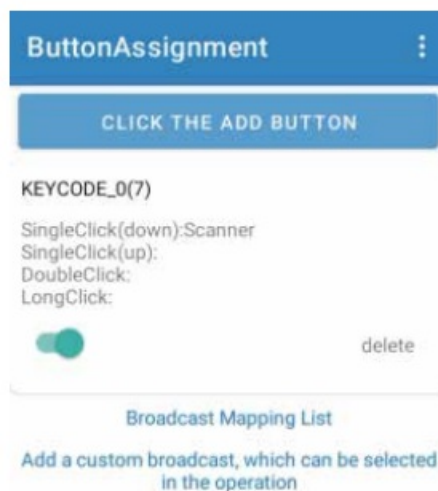


Figure 3- 17 Enable customization

Slide the switch to the right to enable the settings.

FAQ

Problem	Cause	Solution
Can't scan the code	Out of scanning distance or angle.	Place the device within proper scanning range or angle.
	The scanner can't read the barcode.	Enable the type of barcode being scanned in the HardDecodeScan. Refer to the HardDecodeScan application.
	Incorrect barcode process mode.	Switch the input mode to the Keyboard input mode in the HardDecodeScan application.
	The scan keycode is incorrect.	Please go to the HardDecodeScan App click on Restore Scan Settings and enable the scan. If you are still unable to scan please contact the technical engineer team
	Incorrect Scan setting.	Reset the HardDecodeScan application and enable the Scanner again.
The device does not boot up	The power button was not pressed.	Hold the Power Key until the screen lights up.
	The battery is not charged.	Charge the device.
	System crash.	Perform a reset.
The device cannot be charge	The battery or device is faulty.	Connect with the USB cable and check the device's LED light. If the LED lights up, the Battery is faulty, otherwise is the device's problem.

Cautions


- Strictly observe the following instructions while installing and connect the device. Connect to a stable power socket, and try to avoid charging it together with high-power machines like air-conditioners.
- Please try not to use the device during thunderstorms in case of a lightning stroke, and power off as well as cut off its connection to the host machine.
- This is an electrical product, be sure not to let anything like a pin, thumbtack, wire or water slip into the device, or short circuit will be caused to destroy the device.
- Be sure no heavy pressure on the device or place anything on it.
- Prevent fierce vibration, strike or beat.
- Ensure good working conditions, never use it in humid, high temperatures, sunburn, dustiness or frost environments, never get close to a strong electromagnetic field, and never use the device under flammable and explosive conditions.
- Avoid plugging or swapping any part or peripherals when power is on, or it may cause inner hardware damage. Shut off the device before cutting power.
- This device is integrated with a Lithium battery, change our original battery if needed. Other types battery may cause damage to the device. Contact us or our distributor when you need to change your battery.
- Cut off power and stop operation if the device breaks down. DO NOT disassemble the device yourself.
- Avoid sleet, solar exposure, mechanical shock or extrusion. Be careful when delivering.

- The device should be kept in its original package, the temperature of the warehouse should be -20 C ~ 60C, and relative humidity should be 5% – 95%. No noxious gas, flammable, explosive or mordant chemicals are allowed to be together, ensuring no mechanical shock, impact or high magnetic

Contact us

- Email: yubwvo_UScustomersevice@outlook.com
 - Whatsapp: +86 18124195085
 - If you encounter any problems while using the W50, please contact us
-

Documents / Resources

	YUBWVO W50 Android Scanner Easy Setup [pdf] User Guide W50 Android Scanner Easy Setup, W50, Android Scanner Easy Setup, Scanner Easy Setup, Easy Setup, Setup
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References

- [User Manual](#)

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