

# **HMI User Manual**



### Contents

1. HMI Software Installation	1
1.1 Environment Requirements for Installation	1
1.2 Installation Steps	1
2. Download Projects	4
2.1 Download Projects via Ethernet	4
2.2 Check the Communication between the Target Board and the PC	6
Revision Records	8

### 1. HMI Software Installation

This section explains how to install the HMI software.

### **1.1 Environment Requirements for Installation**

All the following OS are compatible with the software. Windows 7 (32bit / 64bit) Windows 10 (32bit / 64bit)

### **1.2 Installation Steps**

1) Double click hmi.exe. Select a language and then click [Next].

🌄 hmi 安装程序	×
<b>选项</b> 选择您想要的选项,并单击 (	"下一步"继续。
请选择语言: <u>Chinese (Simplified)</u> <u>Chinese (Simplified)</u> <u>English</u>	
	< 返回(B) 下一步( <u>N</u> ) > 取消( <u>C</u> )
🌄 hmi Setup	×
1.1	Welcome Welcome to the installer for hmi 2.0.5. It is strongly recommended that you exit all



DWIN

#### 2) Select [I agree to the terms of this license agreement] and click [Next]

🌄 hmi Setup	×
License Agreement Please read the following license agreement carefully.	
Insert your license agreement text here	^
• I agree to the terms of this license agreement	~
○ I do not agree to the terms of this license agreement < <u>B</u> ack <u>N</u> ext >	Cancel

3) Specify the destination directory. Click [**Change...**] if you want to change the location. It's not recommended to install the HMI in C drive since sometimes the HMI cannot be opened if installed in C drive. Click [**Next**].



# 4) select [Install shortcuts for current user only] or [Make shortcuts available to all users] and then click [Next]

🌄 hmi Setup	×
Shortcut Folder Where would you like the shortcuts to be installed?	
The shortcut icons will be created in the folder indicated below. If you don't want to use the default folder, you can either type a new name, or select an existing folder from the list. Shortcut Folder:	
hmi	~
<ul> <li>○ Install shortcuts for current user only</li> <li>● Make shortcuts available to all users</li> </ul>	
< <u>B</u> ack <u>N</u> ext > Cancel	

5) click [Next] to start the installation.



## 2. Download Projects

### 2.1 Download Projects via Ethernet

Connect the device to your computer with an Ethernet cable.

Open the HMI software and select the project that you want to download. Click [**Project**] -> [**Download (PC to HMI)**]. Set the IP address and com in the pop-up reminder to specify the target device.

The default IP address is 192.168.10.202 or 192.168.10.201 and the default com is 1502. Click [**OK**] and the downloading starts.

Note: Please keep the Ethernet cable connected to your computer and power on the device during downloading.

File	凹 🖻 🕻	. ♠ ≯ ₹	Home	Project	Object	Sampli	ng/Data	a Tool
×						g	→ abc	
Compile	Simulation	Download	Reboot HMI	Vector Graphics	Device Detection	Label	String	Macro
	Bu	ild 🗖				Management	<u> </u>	
Address	Windows	Pictures	Network ad	dress of th	e device		×	200 
			IP:	[	192 • 168 •	10 • 201		
			Port:	1	502			
				(	Ж	Cancel		
	000 00	1 -		_				

When the HMI software reminds that the downloading is completed, wait for the device to restart automatically. The device will run the downloaded project after the restart.

You can also shut down the device manually after the downloading is completed and power on again. The device will automatically run the downloaded project after startup.

Note: To achieve communication, the IP addresses of the device and the computer should be in the same network segment during downloading.

You can configure the IP address of the computer as follows.

(1) Open **control panel** and click on "**Network and Internet**" and then click on "**Network and Sharing Center**". Click on "**Change adapter settings**".





(2) Right-click on the adapter and select "Properties".

	✓ 4y Search Network	k Connec
me this connection View status of this connection	Change settings of this connection	<b>1</b>
Mnet8 apter 宽带连接 Disconnected WAN Miniport (PPPOE)	本地连接 → 地注接 → Disable Status Diagnose ● Bridge Connections Create Shortcut ● Delete ● Rename ● Properties	

(3) Double-click on "Internet Protocol Version 4(TCP/IPv4)".

(4) Select "**Use the following IP address**" and specify the IP address. The first three numbers should be 192.168.100 to make sure that the computer is in the same network segment as the device. The last number can be filled in 0~255. Do not set it to the same as the IP address of the device. Click the OK button on "Internet Protocol Version 4 (TCP/IPv4) Properties" window, and also click the OK button on "Ethernet Properties" window.

etworking Sharing	General
Connect using: Realtek PCIe GbE Family Controller	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Configure	Obtain an IP address automatically     Obtain an IP address:     Obtain an IP address:
Client for Microsoft Networks	IP address: 192 . 168 . 10 . 160
QoS Packet Scheduler	Subnet mask: 255 . 255 . 255 . 0
Ele and Printer Sharing for Microsoft Networks     Anternet Protocol Version 6 (TCP/IPv6)	Default gateway: 192 . 168 . 10 . 1
Internet Protocol Version 4 (TCP/IPV4)      Link-Layer Topology Discovery Mapper I/O Driver      Link-Layer Topology Discovery Responder	Obtain DNS server address automatically     Oute the following DNS server addresses:
Install Uninstal Properties	Preferred DNS server: 192 . 168 . 10 . 1
Description	Alternate DNS server:
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	Validate settings upon exit

Note: Your computer cannot connect to internet through a cable after changing the IP

### address to STATIC.

You can set your computer back to DHCP to connect to internet. Repeat steps (1)-(3) again. When you get to the "Internet Protocol Version 4 (TCP/IPv4) Properties" window, click **"Obtain an IP address automatically**".



### 2.2 Check the Communication between the Target Board and the PC

(1) Click [**Project**] -> [**Device Detection**]. Specify the IP address and com in the pop-up window (192.168.10.220 here). Then click [**OK**].

Ŧ	Home	Project	Object	Samp	oling/Data	Tool		
				f	→ abc			
d	Reboot HMI	Vector Graphics	Device Detection	Label	String	Macro	Address	
			N	Manageme	ent			
	0	0	Network	c address o	of the device	e	×	1.1.
			IP:		192 · 1	68 · 10 ·	220	Γ
			Port	t:	1502			L
		100 111111111			ОК	Ca	ncel	J

(2) Click [**Detect**] button on the buzzer. If you hear the beeping sound from the target board, it means that the HMI software and the target board have established a good connection and can communicate normally, otherwise the connection has not been established.



Device Detection			×
Basic	USB:	Results here!	Detect
СОМ	SD card:	Results here!	Detect
	Calibration:		Start
	Buzzer:		Detect
	Device IP:	Click the button on the right to get it!	Detect
	Get time:	Click the button on the right to get it!	Get
	Set time:	2022/11/1 10:32:00	Set
		OK	Cancel



### **Revision Records**

Rev	Revise Date	Content	Editor
00	2022-12-05	First Edition	Lvzhi Chen