

Quick Start Guide



1. Check Package Content

■ATC-3002 unit	1Pcs
■ATC-3002 Quick Start Guide	1Pcs
DC9V Ext power adapter	1Pcs

2.Hardware Installation

Connect an Ethernet cable to ATC-3002 unit if connecting to a switch or cross-over direct to the PC as Figure 1.



Figure 1

■ATC-3002 10/100 Port t connect to Ethernet card use coss-Through Cable as Figure 2.





RS-232 Pinout: (DB9 Male)

Terminel	1	2	3	4	5	6
No.						
RS-422	T+	T-	R+	R-	VCC	GND
RS-485	485+	485-	/	/	VCC	GND

RS-422/485 Pinout: (Six Terminal from left)

(DB9 Male)	Signal	I/0
PIN2	RXD	IN
PIN3	TXD	OUT
PIN5	GND	-

■ Connect the power adapter to ATC-3002 and other apply power. Power from other device.(+9--+48V).

3. LED indication

- LINK ——Ethernet interface right light, indicating Ethernet is established, the green light is on behalf of the establishment, not bright or bright yellow on the contrary;
- ACT ——Ethernet interface left light, blinking between the Ethernet port and RS232 / 422/485 data transmission;
- TXD —— Blinks when data is sent by the Ethernet

port to the RS232 / 422/485 serial ports;

- RXD Blinks when data is sent by the RS232 / 422/485 serial port to the Ethernet port;
- PWR—— Power indicator, red light when the power is turned on.

4.Software Installation

None

5. Configure the ATC-3002

■Use this section to set up your computer to assign it a static IP address in the **192.168.2.1 to 192.168.2.254** range with a subnet mask of 255.0.0.0. The default IP address of ATC-3002 is 192.168.2.3, the computer IP user can not set this value, otherwise it will cause IP address conflict.

This is necessary to ensure that your computer can communicate with your ATC-3002. Your computer must have an Ethernet card and TCP/IP installed. TCP/IP should already be installed on computer using Windows 98/2000/XP and later operating systems.

■Open your web browser and type <u>http://192.168.2.3</u> in the browser's *address box*. This address is the factory set IP Address of your ATC-3002. Press "Enter".

Warning: Your user name and password will be sent using b authentication on a connection that isn' t secure.	asic
用户名	
家時	
记住我的凭据	



The **"Username and Password required"** prompt box will appear. The default user name and password is null, do not need to fill in, just click OK to enter the page.(Figure 3)

■Set the serial communication parameters and Mosbus protocol It supports three serial protocols: RS232, RS485, RS422; Serial communication parameter defaults to 9600,8, N, 1; Default Modbus protocol Modbus RTU, Modbus Ascii user can change the protocol according to their needs;

Other parameters is recommended to use the default values;

Then Click OK, and then click Apply Settings, modify the previous settings to take effect; when you need to modify the parameters have to click OK and then click Apply Settings, wait a few seconds to complete the modification ATC-3002 after modifying.(Figure 4)

	Firmware Version: V3.3.0.1GC MAC Address: 00-20-4A-EB-D5-AE
<u>ش</u>	Serial Settings
Network Server Modbus Bridge	Port Settings
Modbus/TCP	
Configurable Pins	Baud Rate: 9600 V Data Bits: 8 V Parity: None V Stop Bits: 1 V
Apply Settings	Flow Control Out: Active Always V Delay before Hold after ms Transmit(4): ms
Apply Defaults	Flow Control In: Wait til Active (2): No V Delay after ms Modem Control Out: Active Always V
	Protocol: Tx Delay after Rx: ms Message Timeout 5000 ms OK

Setting	Mosbus	connection
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			м	AC Address	00-20-4A-EE	B-D5-AE	
			Connec	tion Se	ttings		
ver	Connec	t Protocol					
erial Settings odbus/TCP	Protocol	I: Modbus	/TCP Server attached to slave	e(s) 🗸			
figurable Pins	Advanc	ed Server	Settings				
oly Settings	Marano	adhuaTCD	Port [502	Outouto Mu	Nolo Modhuo	TCD Demuester	
bly Defaults	Int	OUDUATOP	1 VII. 002	Groute Mu	mpre moubusi	rea requests.	C TES ONO
	Fixed	d Slave Add	ress: 0 (0=MB/TCP hea	ader)	Allow Mod	Ibus Broadcast	⊖Yes No
	Use E	Bridge Error	Codes (0AH/0BH): Yes	No			
		wan dulla a	increase to got 2v/fir: Oxi- @				
		wap 4000 a	iccess to get Solit. O Yes	NO			
		0		+ D (D.)	-Ber - Heat		
		Swap	Holding Reg (4x) access to Inpu	II Reg (3X)	alter onset.	(0 to	disable)
		Swap	Holding Reg (4x) access to input	Status (1x)	after offset	(0 to	disable)
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	Preset / No. 0 1	Swap Swap Unit Id (1-255)	Holding Keg (4x) access to input Coll Status (0x) access to input (Example: re Scan Table (optional) Register Type	Offset	Count (1-124)	(0 to (0 to 123 if you enter 10 Frequency (ms)	disable) disable) 100) Remove Remove
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	Preset <i>J</i> No. 0 1 2 3 4	Swap Swap Automated Unit Id (1-255)	Holding Heg (4x) access to input: (Example re Scan Table (optional) Register Type	Offset	Count (1-124)	(0 to (0 to 223 if you enter 10 Frequency (ms)	disable) disable) 000) Remove Remove Remove Remove Remove
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Figure 5 Use ATC-3002 as a slave, Connect protocol in the protocol option to select Default Modbus / TCP Server attached to slave (s).(Figure 5)

A			Cont	ection Settings	
Network			COM	lection octangs	
Server	-				
Modbus Bridge	Connect Protocol				
Serial Settings Modbus/TCP	Protocol: Modbus/TC	P Client at	lached to m	aster 🗸	
Configurable Pins	Advanced Client Sett	ngs			
Apply Settings	Modbus/TCP Po	t 502	-		
Apply Defaults	New Pridey Frances			0.0	
	Use Blidge Error Co	Des (UAPI/DE	m). • Yes	U No	
	Close Idle TC	P Sockets at	ter: 10	secs (3-60 secs, 0=disa	ible)
	Redundant Ent	ry Retries at	ter: 0	secs (15-60 secs, 0=dis	able)
	Unit ID to IP Address	Start Id	End Id	Host Address	
		Jan	Line ie	Host Address	0
	1	<u> </u>	10	192.166.2.5	Remove
	2	2	2	192.168.2.6	Remove
	3	3	3	192.168.2.7	Remove
	4	4	4	192.168.2.7	Remove
	5	5	5	192.168.2.7	Remove
	6				Remove
	7				Remove
	8				Remove
				01	
				OK	

ATC-3002 when used as a master, Connect protocol option to select the protocol Modbus / TCP Client attached to master, Modbus / TCP Port default 502, Uint ID to IP Address Mapping set as the slave can enter the user's device IP address and ID number. Then click OK, then Apply Settings wait a few seconds to complete the setting changes.

■Setting RS485、RS422

If the user is using a serial interface RS485 or RS422, will be needed in the Configurable Pins CP2 is set to RS485 Tx Enable, Active level is set to High, and then click OK, Apply Settings wait a few seconds to complete the setting changes.(Figure 7)

		Config	urable Din Cottinge	
nnr Network	_	Conlig	urable Fin Settings	
Server				
Modbus Bridge	CP	Function	Direction	Active Level
Serial Settings Modbus/TCP	1	General Purpose I/O	Input Output	● Low ○ High
Configurable Pins	2	RS485 Tx Enable	Input Output	C Low O High
Apply Settings	3	General Purpose I/O	Input Output	● Low ○ High
Apply Defaults				

Figure 7

Note: After the success of the user to modify the parameters, some browsers still display parameters did before the amendment, refresh the page is still valid, it is recommended to re-login ATC-3002 Web Configuration address 192.168.2.3 user closes the browser (recommended IE browser or 360 browser).

Figure 6