

### **AVCOMM Technologies Inc.**

## **User Manual**

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### **About This Manual**

This user manual is intended to guide a professional installer to install and to configure the SEVR Series . It includes procedures to assist you in Avoiding unforeseen problems.

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Only qualified and trained personnel should be involved with installation, inspection, and repairs of this switch.

### Disclaimer

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a) b) c) d) e) f) Chapter a) b)	<ul> <li>Running serial_ethernet_connector_CH.exe cannot find the IP address of the serial port server Cannot open the serial port</li> <li>Cannot send and receive data</li> <li>Forgot the password set before</li> <li>Sending and receiving data is garbled.</li> <li>Cannot be connected as a TCP server</li> <li>r 6: Accessories</li> <li>remote devices Management</li> <li>COM Mapping</li> <li>1) Create a virtual serial port.</li> <li>2) Delete virtual serial port.</li> <li>3) Modify the virtual serial port.</li> <li>4) Enable virtual serial port.</li> <li>5) Disable virtual serial port.</li> <li>6) Import virtual serial port list.</li> <li>7) Export virtual serial port list.</li> </ul>	26 26 27 28 28 28 28 31 31 34 35 36 36 37 38
a) b) c) d) e) f) Chapter a) b)	<ul> <li>Running serial_ethernet_connector_CH.exe cannot find the IP address of the serial port server Cannot open the serial port.</li> <li>Cannot send and receive data.</li> <li>Forgot the password set before.</li> <li>Sending and receiving data is garbled.</li> <li>Cannot be connected as a TCP server.</li> <li>r 6: Accessories.</li> <li>remote devices Management.</li> <li>COM Mapping.</li> <li>1) Create a virtual serial port.</li> <li>2) Delete virtual serial port.</li> <li>3) Modify the virtual serial port.</li> <li>4) Enable virtual serial port.</li> <li>5) Disable virtual serial port.</li> <li>6) Import virtual serial port list.</li> <li>7) Export virtual serial port list.</li> <li>Options.</li> </ul>	26 26 27 28 28 28 28 31 31 34 35 36 36 36 37 38 39
a) b) c) d) e) f) Chapter a) b)	<ul> <li>Running serial_ethernet_connector_CH.exe cannot find the IP address of the serial port server Cannot open the serial port</li> <li>Cannot send and receive data</li> <li>Forgot the password set before</li> <li>Sending and receiving data is garbled.</li> <li>Cannot be connected as a TCP server</li> <li>r 6: Accessories</li> <li>remote devices Management</li> <li>COM Mapping</li> <li>1) Create a virtual serial port.</li> <li>2) Delete virtual serial port.</li> <li>3) Modify the virtual serial port.</li> <li>4) Enable virtual serial port.</li> <li>5) Disable virtual serial port.</li> <li>6) Import virtual serial port list.</li> <li>7) Export virtual serial port list.</li> </ul>	26 26 27 28 28 28 28 28 31 31 31 31 34 35 36 36 37 38 39 40



### **Chart 1: SEVR-Mx Series Serial Device Server Overview**

### a) Product introduction

SEVR-Mx series serial device server, also called terminal server or serial server, is a converter between asynchronous serial port RS232/422/485 and Ethernet. It is an independent intelligent device with CPU, embedded OS, and complete TCP/IP protocol stack. Complete the bi-directional transparent transmission of data between RS232/422/485 and Ethernet, allowing RS232/422/485 serial devices to connect to the network immediately.

Product features: supports dynamic IP (DHCP) and static IP, supports gateways and proxy servers, and can transmit data through the Internet. Provide bi-directional transparent transmission of data, realize the function of serial port to TCP/IP, users do not need to make any modification to the original system. ARP, IP, TCP, HTTP, ICMP, SOCKET, UDP, SNMP, MQTT, MODBUS and other protocols are integrated. And the equipment supports secondary development and provides an interface for customized protocol. All programs have a setup wizard, so you can use it as long as you can use a computer.



### b) Main Features

#### **Hardware Features**

 $\stackrel{\scriptstyle <}{\curvearrowright}$  Provide virtualized COM driver under Windows.

With a serial port, it can be connected to various serial devices such as terminals, modems, bar code machines, cash registers, ISDN, terminal adapters, serial printers, and PCs, and can realize remote control functions.

 $\therefore$  With Reset button, it can be forced to reset when the device halt.

 ${\rm \AA}{\rm With}$  10/100M adaptive Ethernet port.

 $\gtrsim$  Each serial port provides 5 signals, including RXD, TXD, RTS, CTS, GND.

ightarrow 32-bit embedded 400MHz CPU,128M RAM.

☆ Both the network port and the power supply have independent indicator, which can easily indicate the working status.AVCOMM technologies Inc.www.avcomm.us333 West Loop N, St 460, Houston, TX 77024



 $\not \propto$  The device provides a secondary development interface to meet the needs of user-defined protocol transplantation.

#### **Software Features**

★Support ARP, IP, ICMP, UDP, TCP, HTTP, DHCP, SNMP, MQTT, MODBUS and other protocols.

★Support Windows extended serial port mode

A complete extended serial port (com) drivers based on the Windows, and a simple and easy-to-use management program on the Windows platform, which can drive up to 1024 serial ports on Windows. In this mode, each serial port of the serial server can be mapped to the local COM port of the Windows host. This means that using these serial ports is just like using the local COM port on the host, and it also means that all existing software or communication modules used on the existing serial device can be used directly without modification.

★ Terminal server parameter configuration

You can configure the terminal server through the web, so that you can apply the serial device server very conveniently.

#### ★Support software upgrade

Support software upgrades to facilitate product function extension, performance improvement and maintenance.

★Support status monitoring

On the device, not only indicators are provided to analyze the working status of the server, but also the input/output data of the network port and each port are counted for analysis by the system administrator.

#### **Security Features**

SEVR-Mx series serial server adopts the following security mechanisms to ensure that users can use this product safely.  $\gtrsim$  The server management password can be set, and only the system administrator can manage the terminal server, so as to

prevent unauthorized modification of the serial server to ensure the security of the serial server configuration;

The host name to be logged in to the port can be restricted, and host users who have not been backed up through the restricted port will not be able to access the server to ensure the secure access of the server;

Since the serial device server is connected to the network during it works, in order to ensure its security during network access;

You can restrict the hosts or network segments that are allowed to access the server. Unauthorized users who are not backed up in the host list and network segment list will not be able to access the server through the network; Serial device server factory IP address 192.168.1.125 sub-page code 255.255.255.0

#### c) Scenarios

1. Virtual serial port mode



2. P2P Mode





3. P2MP Mode



4. Multi-host mode (up to six hosts)



### Chart 2: SEVR-Mx Series Serial Device Server Installation Introduction

### a) Software installation introduction

- IP address lookup and changing software Refer to the attachment.
- 2.Virtualized serial port software

Refer to the attachment

### b) LED indicator introduction

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Model	PWR (Red)	RUN (Green)	Tx (Green)	Rx (Green)	LAN (Green, Yellow )
SEVR-M1	V	v	v	v	v
SEVR-M2	V	v	v	v	V
SEVR-M4	V	v	×	×	V
SEVR-M8	v	V	×	×	V

### c) Pin definition

1. SEVR-Mx series serial port pin definition:



RJ45	RS-232	RS-485 HALF	RS-485 FULL	RS-422
1	TxD	DATA+	TxD+	TxD+
2	RxD	DATA-	TxD-	TxD-
3	RTS		RxD+	RxD+
4	CTS		RxD-	RxD-
5				
6	GND	GND	GND	GND
7				
8				

2. SEVR-MxMT series serial port terminal block pin definition:



3.81Termin	DC 405	RS-422	Remark
al Block	RS-485	KS-422	
1	T/R+	TX+	
2	T/R-	TX-	
3		RX+	
4		RX-	

3, SEVR-Mx Series RJ45 network port pin definition:





RJ45	EIA/TIA 568B	Definition	EIA/TIA 568B
1	Orange& White	TX+	TX+
2	Orange	TX-	TX-
3	Green& White	RX+	RX+
4	Blue	Data+	Data+
5	Blue & White	Data-	Data-
6	Green	RX-	RX-
7	Brown& White	Data+	Data+
8	Brown	Data-	Data-

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# Chart 3: SEVR-Mx Series serial device server technical parameter a) Product technical parameters

Product model		SEVR-M1	SEVR-M2	SEVR-M4	SEVR-M8
Serial port number		1	2	4	8
Proc	essor	32bit 400MHZ	32bit 400MHZ	32bit 400MHZ	32bit 400MHZ
Memory		128M	128M	128M	128M
	Baud Rate	300-921600bps	300-921600bps	300-921600bps	300-921600bps
	Check Bit	None, Odd, even	None, Odd, even	None, Odd, even	None, Odd, even
	Data Bit	5,6,7,8	5,6,7,8	5,6,7,8	5,6,7,8
	Stop Bit	1,2	1,2	1,2	1,2
	Flow Control	RTS/CTS,XON/XOFF	RTS/CTS, XON/XOFF	RTS/CTS, XON/XOFF	RTS/CTS, XON/XOFF
Serial	Serial Port Type	DB9 Male,4pin Terminal block	RJ45	RJ45	RJ45
Port	Serial Port Protection	±4KV ESD Protection	±4KV ESD Protection	±4KV ESD Protection	±4KV ESD Protection
	Signal	RS232: RxD/TxD/GND/RTS/CTS, R S422:	RS232: RxD/TxD/GND/RTS/CTS, RS4 22:	RS232: RxD/TxD/GND/RTS/CTS, R S422:	RS232: RxD/TxD/GND/RTS/CTS, R S422:
		TXD+/RXD+/TXD-/RXD-/G ND, RS485: Data+/Data-	TXD+/RXD+/TXD-/RXD-/GND ,RS485: Data+/Data-	TXD+/RXD+/TXD-/RXD-/G ND, RS485: Data+/Data-	TXD+/RXD+/TXD-/RXD-/G ND, RS485: Data+/Data-
	Speed	10/100M Adaptive	10/100M Adaptive	10/100M Adaptive	10/100M Adaptive
Network	Туре	RJ45	RJ45	RJ45	RJ45
Port	Protection	Built-in1.5KV Electromagnetic isolation	Built-in1.5KV Electromagnetic isolation	Built-in1.5KV Electromagnetic isolation	Built-in1.5KV Electromagnetic isolation
Software	Protocol	ARP, IP,ICMP,UDP,TCP,HTTP, DHCP, SNMP	ARP,IP,ICMP,UDP,TCP,HTTP,D HCP, SNMP	ARP, IP,ICMP,UDP,TCP,HTTP , DHCP, SNMP	ARP, IP, ICMP, UDP, TCP, HTTP , DHCP, SNMP
	Virtual COM	Windows	Windows	Windows	Windows
	Operating Temp	-40℃———85℃	-40°℃ <b>————85</b> °℃	-40℃ <b>————85</b> ℃	-40°C−−−−85°C
Environm	Operating Humidity	5%————95%	5%————95%	5%————95%	5%————95%
ent	Storage Temp	-40℃————85℃	-40℃————85℃	-40℃———85℃	-40°C−−−−85°C
	Storage Humidity	5%————95%	5%————95%	5%———95%	5%————95%
Power Supply		DC12~48V,350mA@12Vm ax	DC12~48V,350mA@12Vmax	DC12~48V,350mA@12Vm ax	DC12~48V,350mA@12Vm ax
Appearan	Housing	Metal	Metal	Metal	Metal
ce	Size	100mm×80.8mm×30mm	100mm×80.8mm×30mm	161mm×91mm×37mm	161mm×91mm×37mm

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### b) Product Accessory (1 Set)

Product model	Serial Device Server	Power Adapter	Software	Product Manual and warranty bill	RJ45to Male DB9 Cable
SEVR-M1	1Set	1*DC12V/1A	1Set	1Set	х
_		,			~
SEVR-M2	1 Set	1*DC12V/1A	1Set	1Set	Х
SEVR-M4	1 Set	1*DC12V/1A	1Set	1Set	Х
SEVR-M8	1 Set	1*DC12V/1A	1Set	1Set	х

### Chart 4 : SEVR-Mx series serial device server WEB operating Instruction

System Content

System Home
System setting
Serial port setting
Operation mode
Status Search
X Device Management

Content	Function
System Home	Setting device related information
System Setting	Set device network configuration, user management, SNMP setting, mqtt setting
Serial port setting	Set serial port related parameters
Operating mode	Set the operating mode of the device
Status Search	Query various configurations and status of the device
Device Management	Manage device operations

### a) System Content

System Content---System Home (Show serial device server information)

Device number	Serial device server number
Device name Serial device server name	
Company Name	User company name
Maintenance staff, contact	Fill in the name of the device maintenance personnel and their contact information to facilitate the internal
	management of the user company



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System Home	Device infomation			
	Device number	SEVR-M8		
System Infomation	Device name	Serial Server	Maintenance staff	AVCOMM
I Connect Contractor	Company name	AVCOMM	Contact	400-1144-149
System setting	Hardware Infomatio	n		
	Product serial number	SEVR-M8	Hardware version	v1.0.1
Serial port setting	Software infomation	1		
	App version	v.41.60701_1008	Release date	2019-09-01
Operation mode	Copyright infomation	n		
	Manufacture	AVCOMM Technologies Inc.		
Status Search	Company Address	333 West Loop North Ste. 460, Houston, TX 77024		
	Contact number	086-0755-27886063	Enterprise URL	www.avcomm.us
Device Management	Time infomation			
	Operation hours	00:03:02	System time	2021-08-25 10:01:48

### b) System Setting

1, System Setting --- IP address setting (Set serial device service networking IP parameters)

Server Name	Set the serial device server name
Enable DHCP	Check the box to get the IP address of the serial device server automatically
Ethernet IP address	Set the Ethernet IP address of the serial device server
Ethernet Subnet Mask	Set the Ethernet subnet mask of the serial device server
Default Gateway	Set the default gateway of the serial device server
Primary DNS	Set up primary DNS
Backup DNS	Set up Backup DNS
Submit, Cancel	Submit (after setting the above options must be submitted to complete the settings, and the new IP address will take effect immediately
	after submission, you can use the newly set IP address to access the device), Cancel (no changes)

#### **AVCOMM** 👗 admin Logo Server configuration System Home SEVR-M8 Server name : System setting Network port configuration Enable DHCP : 1 Ethernet iP address : 192.168.1.125 Address Filter Ethernet subnet mask : 255.255.255.0 Default gateway : 192.168.1.1 SNMP Setting Primary DNS : 192.168.1.2 Backup DNS : 192.168.1.3 Submit Cancel Serial port setting Status Se

2, System Setting---Address Filter (Set the serial device service to filter the networking address)

.



Enable address filtering	This item is checked to enable the address filtering function, a total of 4 groups of Ethernet IP segments can be filtered	
Activate NO.	This item is checked even if the current group IP network segment can be filtered	
Starting IP address	Set the starting IP address of the filter segment	
Terminate IP address	Set the terminating IP address of the filtered network segment	
Submit, Cancel	Submit (must be submitted after setting the above options to complete the settings),Cancel (no changes)	

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admin Legout

			*
System Home	Address Filter		
	Enable :		
System setting	Active NO.1 :		
Ip Address Setting	Starting IP address :	192.168.1.2	
Address Filter	Terminate IP address :	192.168.1.254	E
User Management	Active NO.2 :		
SNMP Setting	Starting IP address :	192.168.2.2	
	Terminate IP address :	192.168.2.254	
MQTT Setting			
Serial port setting	Active NO.3 :		
T <sup>- serial port setting</sup>	Starting IP address :	192.168.3.2	
	Terminate IP address :	192.168.3.254	
Operation mode	Active NO.4 :		
Status Search 🚽	Starting IP address :	192 168 4 2	

### 3, System Setting---User management (set the user management account information for the serial service)

Modification	Change current user password
Delete	Delete current user information
Add User	Add a new user account name
Username	Set the new username to be added
Password,	Set the password of the new user added
Confirm Password	
Permission	Select the newly added user permissions, Users is the user permissions account, by default only one administrator user is allowed for a device.
Submit, Cancel	Submit (must be submitted after setting the above options to complete the settings), Cancel (no changes)



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	A admin Logout
System Home     User Management       Usename     Permission       admin     adminstor	Operation Modify Add User
Ip Address Setting Address Filter User Management SNMP Setting MQTT Setting	
Serial port setting Operation mode	
III, I Status Search	
	ZH   EN
System Home Add User	
System setting     Username :     (4~6 digits : composed of Password :       Ip Address Setting     Permission :     Users ▼	f a-z,A-Z or 0-9)
Address Filter	Submit Cancel
User Management SNMP Setting	
MQTT Setting	
Serial port setting	
Operation mode	

### 4, System Setting --- SNMP Setting (Set SNMP Trap parameters and options for serial device services)

Enable SNMP	Check the box to enable Simple Network Management Protocol		
Trap receiving address	Set the Trap server address		
Community Name	Set the community name of the network management protocol		
System start-up	Check to enable sending system startup time signal		
Login failure	Check to enable sending login failure event signal		
IP address change	Check to enable sending IP address change event signal		
Administrators change	Check to enable sending administrator password change event signal		
password			
Submit, Cancel	Submit (must be submitted after setting the above options to complete the settings), Cancel (no changes)		



				ZH   EN
System Home	SNMP Trap Setting	V		
System setting	Trap receiving address Community name	192.168.1.10 AVCOMM		
Ip Address Setting	System Event Settings			
Address Filter	System start-up			
E User Management	Login failure IP address change	V		
SNMP Setting	Administrator change password			
MQTT Setting			Submit	Cancel
Serial port setting				
Operation mode				
Status Search				

### 5,System Setting---MQTT Settings (Set the MQTT parameters and options for the serial device server)

Enable MQTT	Check to enable MQTT and the device will create MQTT client tasks
Server Address	Setting the MQTT server address



Server port	Set the MQTT server port number	
MQTT Username	Set the username information for MQTT login	
MQTT Password	Set the user password information for MQTT login	
Uplink Device ID	Set the client ID of the published topic	
Upside Theme	Set the posting theme	
Downlink Device ID	Set the client ID of the subscription topic	
Downside Theme	Set subscription topic	
Submit, Cancel	Submit (must be submitted after setting the above options to complete the settings), Cancel (no changes)	

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				A comin togout
System Home	MQTT Settings Enable MQTT :	V		
System setting	Server address :	192.168.1.120		
Ip Address Setting	Server port :	1883		
Address Filter	MQTT username : MQTT password :	userA 123456		
User Management	Uplink device ID :	24000001		
SNMP Setting	Upside theme :	tips_upload		
MQTT Setting	Downlink device ID :	24000002		
Serial port setting	Downside theme :	tips_download		
			Submit	Cancel
Operation mode			Service Andrews Room Table	
Status Search 🗸				

### c) Serial port setting

Serial port setting (serial communication setting)

Alias	Set the serial port alias of the serial port server	
Interface Type	Interface type (including RS232/485/422)	
Baud rate	Serial port baud rate (the value should be the same as the baud rate of the device connected to the serial port)	
Data bit	Data bits (default is 8, specific should be consistent with the device connected to the serial port)	
Parity Check	Check bits (including None, Even, Odd default to None, the specific should be consistent with the serial port connected	
	to the device)	
Stop bit	Stop bit (default is 8, specific should be consistent with the device connected to the serial port)	
RTS control	Auto, XON/XOFF, CTS/RTS can be selected	
Interval time	Data packing interval	
Packing length	Length of data packing	
Delimiter Enabling	Check the Enable Delimiter	
Delimiter	Set the encoding of the delimiter for the transmitted data (0-0xff)	
Delimiter handling	Choose to keep or discard	
Submit, Cancel	Submit (after setting the above options, you need to click "Submit" to check whether the parameters are compliant and	
	save the page, if the parameters are set to the rules to save to the device), cancel (no changes)	
Apply to all serial ports	Apply all serial ports (if the settings are the same for each serial port, you can check the sub-item)	



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			admin Logout
System Home	Serial Port Selection           P1         P2         P3         P4         P	5 P6 P7 P8	
System setting	Serial Port Parameter		
Serial port setting	Alias : Interface type :	serial1 RS232 ▼	(Range:0-20 characters)
Operation mode	Baud rate : Data bit :	115200 ¥ 8 ¥	
Status Search	Parity check : Stop bit :	none •	
Device Management	RST Control : Data Packaging Setting	Auto 👻	
	Interval time :	0	(0-6000 milliseconds)
	Packing length :	0	(0-1000 byte)
	Delimiter enabling :		
	Delimiter :	0x00	(0-0xff)

### d) Operating mode (server operating mode)

1, TCP Server Mode	(TCP Server Mode)
I, ICF Server Moue	(ICF Server Woue)

Operating mode	Operating mode option
Command protocol compatibility	No other compatible protocol
Data protocol conversion	Only transparent transmission is supported for now
Listening port	Set the command side of the serial port (range 0-65534)
Maximum number of connections	Number of hosts connected to the device (up to eight)
TCP preservation time	Set the retention time for TCP connection
Submit, Cancel	Submit (after setting the above options, you need to click "Submit" to check whether the parameters are
	compliant and save the page, if the parameters are set to the device in accordance with the rules), cancel
	(no changes)
Apply to all serial ports	Apply all serial ports (you can check this if the settings for each serial port are the same)

System Home	Serial Port Selection           P1         P2         P3         P4         P5         P6	P7 P8	
System setting	Basic Settings Operating mode :	TCP Server Mode	
Serial port setting	Command protocol compatibility : Data protocol conversion :	none  Transparent transmission	
Operation mode	Listening port : Maximum number of connection :	10000 8	(0-65534) (0-8)
Status Search	TCP preservation time : Resting time :	10 0	(0-120 minutes) (0-120 minutes,0 is to turn off this feature)
X Device Management	Application Options Apply to all serial ports :		
			Submit Cancel



### 2, TCP Client Mode (TCP Client Mode )

, ,		
Operating mode	Operating mode option	
Command protocol	No other compatible protocol	
compatibility		
Data protocol conversion	Only transparent transmission is supported for now	
TCP preservation time Set the retention time for TCP connection		
Target IP address         Set destination IP address of the host		
Target port	Set the IP address of the connected target host	
Local Port	Set the local port number of the serial port service	
Submit, Cancel	Submit (after setting the above options, you need to click "Submit" to check whether the parameters are complia	
	and save the page, if the parameters are set to the device in accordance with the rules), cancel (no modification)	
Apply to all serial ports Apply all serial ports (if the settings are the same for each serial port, you can check the sub-item)		

### 

admin Logout

System Home	P1 P2 P3 P4 P5 P6	P7 P8					
System setting	Basic Settings						
	Operating mode :	TCP Client Mode	•				
Serial port setting	Command protocol compatibility :	none 🔻					
Serial port setting	Data protocol conversion :	Transparent transmission	•				
	TCP preservation time :	10			(0-120 minutes)		
Operation mode		Target IP address	Target port		Local Port		Reset
	Target IP address1 :	0.0.0.0	0	(0-65534)	0	(0-65534)	
Status Search	Target IP address2 :	0.0.0.0	0	(0-65534)	0	(0-65534)	
	Target IP address3 :	0.0.0.0	0	(0-65534)	0	(0-65534)	
C Device Management	Target IP address4 :	0.0.0.0	0	(0-65534)	0	(0-65534)	
	Target IP address5 :	0.0.0.0	0	(0-65534)	0	(0-65534)	
	Target IP address6 :	0.0.0.0	0	(0-65534)	0	(0-65534)	E
	Target IP address7 :	0.0.0.0	0	(0-65534)	0	(0-65534)	
	Target IP address8 :	0.0.0.0	0	(0-65534)	0	(0-65534)	0

### 3, UDP Client Mode (UDP Client mode)

Operating mode	Operating mode option	
Command protocol	No other compatible protocols	
compatibility		
Data protocol	Only transparent transmission is supported for now	
conversion		
TCP preservation time	Set the retention time for TCP connections	
Target IP address	Set the IP address of the connected target host	
Target port	Set the target port for the connection	
Submit, Cancel	Submit (after setting the above options, you need to click "Submit" to check whether the parameters are complia	
	and save the page, if the parameters are set to the device in accordance with the rules), cancel (no modification)	
Apply to all serial ports	Apply all serial ports (if the settings are the same for each serial port, you can check the sub-item)	



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System Home	P1         P2         P3         P4         P5         P6	P7 P8				
System setting	Basic Settings					
	Operating mode :	UDP Client Mode 👻				
Serial port setting	Command protocol compatibility :	none 👻				
	Data protocol conversion :	Transparent transmission 👻				
	Listening port :	10000		(0-65534)		
Operation mode		Target IP address	Target port			Rese
	Target IP address1 :	0.0.0	0		(0-65534)	
Status Search	Target IP address2 :	0.0.00	0		(0-65534)	
	Target IP address3 :	0.0.0.0	0		(0-65534)	
Nevice Management	Target IP address4 :	0.0.0.0	0		(0-65534)	
	Target IP address5 :	0.0.0.0	0		(0-65534)	
	Target IP address6 :	0.0.0.0	0		(0-65534)	
	Target IP address7 :	0.0.0.0	0		(0-65534)	
	Target IP address8 :	0.0.0.0	0		(0-65534)	10

### 4, Remote Pair Master Mode

In this mode, the device creates a TCP client service and only supports connecting a TCP server service for communication

Operating mode	Operating mode option		
Command protocol	No other compatible protocols		
compatibility			
Data protocol conversion	Only transparent transmission is supported for now		
TCP preservation time	Set the retention time for TCP connections		
Target IP address	Set the IP address of the connected target host		
Target port	Set the target port for the connection		
Submit, Cancel	Submit (after setting the above options, you need to click "Submit" to check whether the parameters are compli		
	and save the page, if the parameters are set to the device in accordance with the rules), cancel (no modification)		
Apply to all serial ports Apply all serial ports (if the settings are the same for each serial port, you can check the sub-item)			

			A admin to
System Home	P1         P2         P3         P4         P5         P6	P7 P8	
System setting	Basic Settings		
	Operating mode :	Remote Pair Master Mode -	
Serial port setting	Command protocol compatibility :	none 👻	
	Data protocol conversion :	Transparent transmission 👻	
Operation mode	Target IP address :	0.0.0.0	
Operation mode Target port :	Target port :	0	(0-65534)
	TCP preservation time :	60	(0-120 minutes)
Status Search	Application Options		
	Apply to all serial ports :		
Device Management			
			Submit Cancel



#### 5, Remote Pair Slave Mode

### The device in this mode creates a TCP server service and supports only one TCP client service for connection communication.

Operating mode	Operating mode option
Command protocol	No other compatible protocols
compatibility	
Data protocol conversion	Only transparent transmission is supported for now
TCP preservation time Set the retention time for TCP connections	
Local Port	Set the port number for the device to create a TCP server
Submit, Cancel	Submit (after setting the above options, you need to click "Submit" to check whether the parameters are compliant
	and save the page, if the parameters are set to the device in accordance with the rules), cancel (no modification)
Apply to all serial ports Apply all serial ports (if the settings are the same for each serial port, you can check the sub-item)	

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System Home	Serial Port Selection           P1         P2         P3         P4         P5         P6	P7 P8		
System setting	Basic Settings Operating mode :	Remote Pair Slave Mode		
Serial port setting	Command protocol compatibility : Data protocol conversion :	none  Transparent transmission		
Operation mode	Local Port : TCP preservation time :	10000 60	(0-65534) (0-120 minutes)	
Status Search	Application Options Apply to all serial ports :			
X Device Management			Submit Cance	el

### 6、 MCP&VCOM Mode (TCP/IP virtual serial port mode)

TCP/IP virtual serial port mode works in the windows system environment, through the driver to map the port on the serial server into a virtual COM port of the local host, so that the original COM port-based operation of the upper software without any modification as if the application of the local real COM port, the driver can support up to extend to COM1024, making the monitoring of serial devices More flexible and convenient, multiple connection resources can also do connection backup.

Operating mode	Operating mode option
Command protocol	No other compatible protocols
compatibility	
Data protocol conversion	Only transparent transmission is supported for now
TCP retention time	Set the retention time for TCP connections
Pattern Confirmation	Since the MCP and VCOM modes correspond to different virtual serial software, you need to confirm one of them when selecting this mode
Data Port	This is the port corresponding to the virtual serial port software driver for data communication (not configurable)

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Command Port	This is the port that corresponds to the virtual serial port software driver for monitoring the connection status (not
	configurable)
Submit, Cancel	Submit (after setting the above options, you need to click "Submit" to check whether the parameters are compliant
	and save the page, if the parameters are set to the device in accordance with the rules), cancel (no modification)
Apply to all serial ports	Apply all serial ports (if the settings are the same for each serial port, you can check the sub-item)



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	Serial Port Selection		
tem Home	P1 P2 P3 P4 P5 P6	P7 P8	
tem setting	Basic Settings		
	Operating mode :	MCP&VCOM -	
al port setting	Command protocol compatibility :	none 🔻	
an port setting	Data protocol conversion :	Transparent transmission 🝷	
	Pattern confirmation :	MCP Mode 💌	
eration mode	Data port :	950	
	Command port :	966	
us Search	TCP preservation time :	10	(0-120 minutes)
	the second se		
vice Management		nflicts,multiple serial ports of the device cannot be config	uration in MCP mode and VCOM mode at the same time.
ree management	Application Options		
	Apply to all serial ports :		
			Submit Cancel

#### 7、 Modbus Server Mode

In this mode, the device creates a TCP server mode, the data protocol is the standard Modbus-RTU frame format for communication, the Ethernet network serves as the Modbus master station, and the serial port serves as the Modbus slave station.

Operating mode	Operating mode option
Command protocol	No other compatible agreement
compatible	
Data protocol conversion	Only transparent transmission is supported temporarily
TCP keep-alive time	Set the keep-alive time of the TCP connection
Local port	Set the local port number when creating a TCP server service
Maximum number of	Set the maximum number of connections
connections	
Resting time	Set the static time. When there is no data communication within the set time, the server will actively disconnect the
	client.
Submit, cancel	Submit (After setting the above options, you need to click "Submit" to check whether the parameters comply
	and save the page. If the parameters are set to the device in compliance with the rules), cancel (without
	modification)
Apply to all serial ports	Apply all serial ports (if the settings of each serial port are the same, you can check the next item)



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				🛔 admin Logout
System Home	Serial Port Selection           P1         P2         P3         P4         P5         P6	P7 P8		
System setting	Basic Settings			
Serial port setting	Operating mode : Command protocol compatibility : Data protocol conversion :	Modbus Server Mode		
Operation mode	Local Port : Maximum number of connection :	10000 8	(0-65534) (0-8)	
Status Search	TCP preservation time : Resting time :	10 0	(0-120 minutes) (0-120 minutes,0 is to turn off this feature)	
Device Management	Application Options Apply to all serial ports :			
			Submit Cancel	

### 8、Modbus Client Mode

In this mode, the device creates a TCP client mode, the data protocol is the standard Modbus-RTU frame format for communication, the Ethernet network is used as the Modbus slave, and the serial port is used as the Modbus master.

Operating mode	Operating mode option
Command protocol	No other compatible protocols
compatibility	
Data protocol conversion	Only transparent transmission is supported for now
TCP preservation time	Set the retention time for TCP connections
Target IP address	Set the IP address of the server
Target port	Set the server port number
Local Port	Set the port number to which the device is bound when creating a client locally
Reset	Cancel the current line of configuration information to re-enter
Submit, Cancel	Submit (after setting the above options, you need to click "Submit" to check whether the parameters are compliant
	and save the page, if the parameters are set to the device in accordance with the rules), cancel (no modification)
Apply to all serial ports	Apply all serial ports (if the settings are the same for each serial port, you can check the sub-item)



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ଜ	System Home
	System setting
÷	Serial port setting
<b>a</b>	Operation mode
<u>ilhi</u>	Status Search
∗	Device Management

	_						
P1	P2	P3	P4	P5	P6	P7	P8

### Basic Settings

Operating mode :	Modbus Client Mode	•					
Command protocol compatibility :	none 🔻						
Data protocol conversion :	Transparent transmission	n 🕶					
TCP preservation time :	10				(0-120 minutes)		
	Target IP address		Target port		Local Port		Rese
Target IP address1 :	0.0.0		0	(0-65534)	0	(0-65534)	
Target IP address2 :	0.0.0.0		0	(0-65534)	0	(0-65534)	6
Target IP address3 :	0.0.0		0	(0-65534)	0	(0-65534)	
Target IP address4 :	0.0.0		0	(0-65534)	0	(0-65534)	
Target IP address5 :	0.0.0		0	(0-65534)	0	(0-65534)	
Target IP address6 :	0.0.0		0	(0-65534)	0	(0-65534)	
Target IP address7 :	0.0.0		0	(0-65534)	0	(0-65534)	
Target IP address8 :	0.0.00		0	(0-65534)	0	(0-65534)	

Apply to all serial ports :



### 9、MQTT Mode

-		
Operating mode	2	Operating mode option
Command protocol		No other compatible protocols
compatibility		
Data	protocol	Only transparent transmission is supported for now
conversion		
MQTT Enable		Set the current serial port to work on MQTT service enable
Submit, Cancel		Submit (after setting the above options, you need to click "Submit" to check whether the parameters are compliant
		and save the page, if the parameters are set to the device in accordance with the rules), cancel (no modification)
Apply to all seria	al ports	Apply all serial ports (if the settings are the same for each serial port, you can check the sub-item)

				ZH   EN
				🛕 admin Logout
System Home	P1 P2 P3 P4 P5 P6 Basic Settings	P7 P8		
System setting	Operating mode : Command protocol compatibility :	MQTT Mode		
Serial port setting	Data protocol conversion : MQTT enable :	Transparent transmission 👻		
Operation mode	Application Options			
Status Search			Submit	ancel
X Device Management				

### e) Status Search

Serial communication parameters	View the serial interface form, baud rate, data bits, stop bits, parity, flow control related parameters, click "Refresh" to update to the latest state
Network connection	Check the network connection status of the serial port, click "Refresh" to update to the latest status
Serial communication status	Check the communication status of the serial port, click "Refresh" to update to the latest status



System Home	Serial Com	munication Parameters					
	Serial port	Interface form	Baud rate	Data bit	Stop bit	Parity check	Flow control
	1	RS232	115200	8	1	none	Auto
System setting	2	RS232	115200	8	1	none	Auto
	3	RS232	115200	8	1	none	Auto
Serial port setting	4	RS232	115200	8	1	none	Auto
senar port setting	5	RS232	115200	8	1	none	Auto
	6	RS232	115200	8	1	none	Auto
Operation mode	7	RS232	115200	8	1	none	Auto
	8	RS232	115200	8	1	none	Auto
Status Search							Refresh
mmunication Parameters							
ork Connection Status							
Communication Status							

Serial communication parameters

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System Home	Network Co	nnection Status								
	Serial port	Interface form	IP1	IP2	IP3	IP4	IP5	IP6	IP7	IP8
	1	TCP Server	N/A							
System setting	2	TCP Server	N/A							
	3	TCP Server	N/A							
Serial port setting	4	TCP Server	N/A							
Serial port setting	5	TCP Server	N/A							
	6	TCP Server	N/A							
Operation mode	7	TCP Server	N/A							
	8	TCP Server	N/A							
Status Search										Refresh
ommunication Parameters										
vork Connection Status										
Communication Status										

Network connection status



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☆ System Home	Serial Communicat	ion Status			
<b>М</b> , , , , , , , , , , , , , , , , , , ,	Serial port	Tx Count	Rx Count	Tx Total	Rx Total
	1	0	0	0	0
System setting	2	0	0	0	0
	3	0	0	0	0
a far in the change of the	4	0	0	0	0
Serial port setting	5	0	0	0	0
	6	0	0	0	0
Operation mode	7	0	0	0	0
	8	0	0	0	0
atus Search					Refresh Cleared
mmunication Parameters					
ork Connection Status					
Communication Status					
Device Management					

Serial communication status

### f) Equipment management

Firmware upgrade	Select the latest version of the local software package, click Start to upload file information and upgrade the device
Restore Factory	Click "Restore Factory Settings", and the serial server will be restored to the factory default settings
Port restart	Check the port that needs to be restarted, and restart the port after submission
System restart	Click "Restart" to restart the serial server.

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System Home	Firmware Upgrade Warning: The upgrade operation will interrupt all communication, please do not cut off the power of the device during the upgrade process to avoid damage to the device 1	*
Serial port setting	Please select file : Select file Not files selected Start	
Operation mode		
X Device Management		
Firmware Upgrade		
Restore Factory		
Port Restart		

Firmware upgrade



		ZH   EN
System Home System setting	Restore Factory Please press the "Restore Factory" button to restore the factory default settings.	
Operation mode	n	Restore Factory
Status Search		
X Device Management		
Firmware Upgrade		
Restore Factory		
Port Restart	• · · · · · · · · · · · · · · · · · · ·	
	Restore Factory	

	ZH   EN
System Home     Port Restart       System setting     Serial port setting	To confirm that you want to restart, press the "Restart" button. Select the serial port : 1
Operation mode	Warning: The operation of restarting the port will reinitialize the configuration parameters of the selected port, interrupt the serial communication and Ethernet connection, and the untransmitted data may be lost! Restart
Device Management Firmware Upgrade Restore Factory Port Restart	

Port Restart





System Restart

### Chapter 5: Troubleshooting Instructions for SEVR-Mx Series Serial Server a) Running serial\_ethernet\_connector\_CH.exe cannot find the IP address of the serial port server

1. First check whether the physical connection is normal, whether the network cable (to distinguish between crossover cable and direct connection) and power supply are connected, observe the power indicator, LAN light, ACT (when connected to a 10M network, this light does not light up, only when it is 100M bright)

2, The host network card is available, can it communicate with other local hosts.

3. Turn off all tools and software that can shield broadcast packets (do not turn on the firewall that comes with the system)

4. When entering the configuration through the browser, the IP is suddenly disconnected when setting the IP, such as: power failure, and then the device cannot be searched, enter the configuration through the console port to reset the IP.

### b) Cannot open the serial port.

1. Ensure that the network is working properly and can ping the server.

2. Check whether the virtual serial port is successfully established.

3. Check the working status to see if the port is occupied.

4. Delete the corresponding COM port in the registry to remap.

### c) Cannot send and receive data.

1. Make sure to open the serial port normally.

2. Observe whether the IP and port numbers under [Serial to Ethernet Tool]0[ connected to 0 from 1] indicate "Connected", if

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there is no increase, check the connection between the serial port and the upper network

3. Observe whether the "Sent" and "Received" values under [Serial to Ethernet Tool]<sup>[]</sup> [connected to 0 from 1] have increased. If there is no increase, check the connection between the serial port and the upper network, if "Sent" There is an increase, "received" does not increase the test to detect the connection between serial ports

### d) Forgot the password set before

1. By pressing and holding the "reset" button for 5 seconds and then releasing it, the device enters to restore factory settings. When the RUN light resumes and flashes slowly at 1 second intervals, the device restores to factory settings. At this time, the factory initial account password admin: admin can be used to log in to the system, The factory IP address is static: 192.168.1.125.



### e) Sending and receiving data is garbled.

1. Check whether the wiring is correct, our 485 equipment should pay attention to the problem of parallel wiring.

2. Check whether the line distance exceeds the standard distance and line quality (also by extending the line transceiver or optical separation)

3. Check the set serial parameters (baud rate, data bit, stop bit, parity bit, etc.)

1. Confirm that no other PC is connected to the corresponding port of the serial communication server: enter the [Statistics] of the serial communication server to view [active TCP information]

2. Whether [Authentication] in [Detailed Parameters] is [none]

If none of the above methods solve your problem, please contact the manufacturer

Whether it matches the bottom device

4. Separate from the client's upper-end software, can you receive normal data with the network or serial port debugging assistant? If you can receive normal data, the problem may be related to the packaging mechanism. You can set the length of the package and the package in the "Serial Settings" waiting time.

### f) Cannot be connected as a TCP server.

1. Confirm that no other PC is connected to the corresponding port of the serial communication server: enter the [Statistics] of the serial communication server to query [active TCP information]

2. Whether [Authentication] in [Detailed Parameters] is [none]

If none of the above methods solve your problem, please contact the manufacturer

### **Chapter 6: Accessories**

### a) remote devices Management

#### 1, Equipment query

The serial port of the device works in MCP&VCOM->VCOM Mode and connects to the device. Start the attached software "VCOM" (as shown in Figure 1 below), select remote devices Management->Add Device, and a search interface for searching all SEVR-Mx series IPs in the network will pop up; As shown in Figure 2, select the "Search" button, you can search for all the SEVR-Mx series IP addresses and basic information in the network, as shown in Figure 3; then select "cancel" in Figure 3 to get the device information list in Figure 4, Click OK to display search device information on the VCOM interface, as shown in Figure 5, the device has been added;



🛞 VCOM		- 77	2/* 10 2/*			– 🗆 X
<u>R</u> emote Device	Management	COM Mapping O	otions <u>A</u> bout <u>E</u> xit			
Add Device	Search IP	Remove Device		Logout Import Set	ings Export Settings	Firmware Update Open in Browser
# T	ype	MAC	IP	Device Description	Info	COM Number



Figure2



		- 1		1 1					- 🗆 X
Add Device	ce Management Search IP		Mapping	1	About Exit	(ocout ) T			Firmware Update Open in Browser
	Туре	MAC		IP			ription	Info	COM Number
			Searchi	ing					×
			#	Туре	MAC	IPv4	IPv6		
			1	8 ports	90:7E:BA:11:22:3A	172.16.14.97			
			<u></u>						
			22						
								Cancel	



Figure4



emote Device	Management	COM Mapping	oping Options About Exit								
Add Device	Search IP	Remove Device	Login	Settings	Assign IP	Logout	Import Set	ttings	Export Settings	Firmware Update	Open in Browser
# T	ype	MAC	IP			Device D	escription	Info	0	COM Number	
1 8	ports	90:7E:BA:11:22:3A	172.16	14.97		Server		Latd	ned		

2, Jump to web page login

In the "VCOM", first select the added device, then select the remote devices Management interface, and click "Open in Browser" to enter the web login interface through the IE browser.

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Username :	Please input username	
Password :	Please input password	
	login Cancel	

b) COM Mapping

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www.avcomm.us 31 1) Create a virtual serial port.

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1, In the "VCOM", select COM Mapping—Add COM, the "Add Device" window will pop up, as shown in the figure below, and then click OK.



Add C	_	Input COM	move COM	ns <u>A</u> bout Modify GOM	Exit Enable COM		sable COM	Import	COM List	Export COM List		
^	Type	IP		Port	COM Port	Connec	tion Status					
			Add Device							×		
			Select/Cle									
			#	Туре	MAC		IP					
			<b>⊿</b> 1	8 ports	90:7E:BA:11:2	2:3A	172.16.14.97	0.				
			Search	IPv6			OK		Cancel			

2, Then the following interface will pop up, that is, the corresponding virtual serial port will be created



🛞 vca	M											3 <u>—</u>	×
Remote I	Device Ma	nagement	COM Ma	pping Opti	ons <u>A</u> bo	out <u>E</u> xit							
Add	СОМ	Input C	OM Re	move COM		IOM		Disable COM	Import	COM List	Export COM List		
# ^	Туре		IP		Port	t CC	M Port	Connection Status					 -
1	8 por	ts	172.16.14.9	97	1	CC	DM2	N/A					
2	8 por	ts	172.16.14.9	97	2		DM3	N/A					
	8 por		172.16.14.9		3		DM5	N/A					
4	8 por		172.16.14.9		4		DM6	N/A					
5	8 por	ts	172.16.14.9	97	5		DM7	N/A					
6	8 por	ts	172.16.14.9	97	6	CC	0M8	N/A					
7	8 por		172, 16, 14, 9		7		0M9	N/A					
8	8 por	ts	172.16.14.9	97	8	CO	DM10	N/A					

### 2) Delete virtual serial port.

In the "VCOM", first select the virtual serial port to be deleted, then select the COM Mapping interface, and click "Remove COM" to delete the virtual serial port, as shown in the figure below.

			COLUMN 2	Ontier	About	Ends					3 <u>-</u>	>
		Input COM	OM Mapping		odify COM	Exit Enable CC	M Disable COM	Import CON	M List	Export COM List		
# ^	Туре	IP			Port	COM Port	Connection Status			1		 _
1	8 ports	172	.16.14.97		1	COM2	N/A					
	8 ports		.16.14.97		2	COM3	N/A					
	8 ports		.16.14.97		3	COM5	N/A					
	8 ports		. 16. 14.97		4	COM6	N/A					
	8 ports		. 16. 14.97			COM7	N/A					
6	8 ports		. 16. 14.97		6	COM8	N/A					
	8 ports		. 16. 14.97			COM9	N/A					
	8 ports		.16.14.97		8	COM10	N/A					
						1						

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### 3) Modify the virtual serial port.

In the "VCOM", first select the virtual serial port to be deleted, and then select the COM Mapping interface, click. "Modify COM" to pop up the interface as shown in Figure 1, and then select "COM6" to change Port4 to "COM6" to " COM11", as shown in Figure 2:

VCOM Remote Device Manage	ment COM Mapping Op	tions <u>A</u> bout	Exit				3 <u>-</u>	×
Add COM Ir	put COM Remove COM	Modify COM	Enable CC	DM Disable COM	Import COM List	Export COM List	]	
# Type	IP	Port	COM Port	Connection Status				 
1     8 ports       2     8 ports       3     8 ports       4     8 ports       5     8 ports       6     8 ports       7     8 ports       8     8 ports       9     8 ports       9     9	172.16.14.97 172.16.14.97 172.16.14.97 172.16.14.97 172.16.14.97 172.16.14.97 172.16.14.97 172.16.14.97 172.16.14.97 172.16.14.97	1 2 3 4 5 6 7 8 8 COM Port Setti	COM2 COM3 COM5 COM6 COM7 COM8 COM9 COM9 COM10	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A				

### Figure 1

Bemote	OM Device Mar	nagement		M Mapping	Options	About	Exit				-	×
Add	СОМ	Input	СОМ	Remove CON	1 M	odify COM	Enable CO	DM Disable COM	Import COM Lis	t Export COM List		
# ^	Туре		IP			Port	COM Port	Connection Status				 
1	8 por			i. 14.97		1	COM2	N/A				
2	8 por			6.14.97		2	COM3	N/A				
3	8 por	ts	172.16	. 14.97		3	COM5	N/A				
4	8 por	ts	172.16	6.14.97		4	COM11	N/A				
5	8 por	ls	172.16	6.14.97		5	COM7	N/A				
6	8 por	tis	172.16	5.14.97		6	COM8	N/A				
7	8 por	ts	172, 16	i. 14.97		7	COM9	N/A				
8	8 por	ts	172.16	5.14.97		8	COM10	N/A				
			8									



### 4) Enable virtual serial port.

In the "VCOM", first select the virtual serial port that needs to be disabled, then select the COM Mapping interface, and click "Enable COM" to enable the corresponding virtual serial port, as shown in the figure below.

emote		ent <u>C</u> OM Mapping <u>O</u> r	otions <u>A</u> bout	Exit				-	×
Add	COM Inpu	ut COM Remove COM	Modify COM	Enable CO	M Disable COM	Import COM List	Export COM List		
# ^	Туре	IP	Port	COM Port	Connection Status		SY		
1	8 ports	172.16.14.97	1	COM2	N/A				
2	8 ports	172.16.14.97	2	COM3	N/A				
3 -	8 ports	172.16.14.97	3	COM5	N/A				
1	8 ports	172.16.14.97	4	COM11	N/A				
5	8 ports	172.16.14.97	5	COM7	N/A				
	8 ports	172.16.14.97	6	COM8	N/A				
	8 ports	172, 16, 14, 97	7	COM9	N/A				
	8 ports	172.16.14.97	8	COM10	N/A				

5) Disable virtual serial port.

In the "VCOM", first select the virtual serial port that needs to be disabled, then select the COM Mapping interface, and click "Disable COM" to disable the corresponding virtual serial port, as shown in the figure below



🛞 vca	M										<u></u>	>
Remote I	Device Ma	nagement		1 Mapping	Options	About	Exit		R.			
Add	СОМ	Input C	ом	Remove (	сом м	odify COM	Enable CC	DM Disable COM	Import COM Lis	t Export COM List	]	
# ^	Туре		IP	<u>.</u>		Port	COM Port	Connection Status				 _
1	8 por	ts	172.16	14.97		1	COM2	N/A				
2	8 por		172.16			2	COM3	N/A				
3	8 por	ts	172.16	14.97		3	COM5	N/A				
4	8 por	ts	172.16	14.97		4	COM11	N/A				
5	8 por	<del>'0</del>	172.16	11.97		<del>5</del>	COM7	H <del>/A</del>				
	8 por		172.16			6	COM8	N/A				
	8 por		172,16			7	COM9	N/A				
8	8 por	ts	172.16	14.97		8	COM10	N/A				
								1. · · · · · · · · · · · · · · · · · · ·				 

### 6) Import virtual serial port list.

In the "VCOM", select the COM Mapping interface and click "Import COM List" to pop up the interface as shown in Figure 1. After clicking "Browse", select the saved virtual serial port configuration information as shown in Figure 2, and click "OK" You can import successfully as shown in Figure 3

4.4	d COM	Input COM	Remove CO	M Modify COM	Enable CC	DM Disable COM Ir	nport COM List	Export COM List	
-			Remove CO				nport COM List	Export COM List	
ŧ	Туре	IP		Port	COM Port	Connection Status			
1	8 ports	s 172.1	6.14.97	1	COM2	N/A			
2	8 ports	s 172.1	6.14.97	2	COM3	N/A			
3	8 ports	s 172, 1	6.14.97	3	COM5	N/A			
4	8 ports		6. 14.97	4	COM11	N/A			
5	8 ports	s 172.1	6.14.97	5	COM7	N/A			
6	8 ports		6.14.97	б	COM8	N/A			
	8 ports		6.14.97	7	COM9	N/A			
	8 ports	s 172.1	6.14.97	8	COM10	N/A			
			Imp	ort COM List			×		
			File	Name:					
				Browse	1	OK	Cancel		
				DIONIC		- OK	Curreer		



	DM		600		Ostan		<b>T</b> . 44							<u></u>	×
Add	Device Manag	Input COM		Mapping Remove (	Options COM	Modify COM	Exit	le COM	Disable C	ом	Import	COM List	Export COM List	]	
# ^	Туре	IP	р			Port	COM Po	rt Co	onnection Sta	atus					
1	8 ports		72.16.1			1	COM2	N,							
	8 ports		72, 16, 1			2	COM3	N,							
	8 ports		72, 16, 1			3	COM5	N)							
ŧ	8 ports		72, 16, 1			4	COM11	N)							
5	8 ports		72.16.1			5	COM7	N							
5	8 ports	1	72.16.1	14.97		6	COM8	N							
7	8 ports	1	72, 16. 1	14.97		7	COM9	N	A						
	8 ports	1	72.16.1			8	COM10	N							
				- Ir	mport C	OM List						×			
					and the second	0.111 1.444									
				F F	File Name:	C:\Users\114	165 (Desktor	5/UT-6808	.ini						
				F	=ile Name:	C:\Users\114 Browse	165 (Deskto	o\UT-6808	ini	OK	С	ancel			
				f	File Name:	-	165 (Deskto	5 JUT-6808	ini	OK	С	ancel			
				F	File Name:	-	+65 \Desktoj	5\UT-6808	ini	OK	c	ancel			
				F	File Name:	-	+65 \Desktoj	5 UT-6808	ini	ОК	c	ancel			
				f	File Name:	-	+65 \Desktop	5 UT-6808	ini	OK	c	ancel			
					File Name:	-	165 (Desktor	o (UT-6808		OK	c	ancel			
				f	File Name:	-	165 (Desktoj	o (UT-6808		OK	C	ancel			
				f	File Name:	-	165 (Desktor	o (UT-6808		OK	С	ancel			
				F	File Name:	-	165 (Desktor	o (UT-6808		OK	c	ancel			
					≓ile Name:	-		o (UT-6808		OK	С	ancel			
					File Name:	-				OK	С	ancel			
					File Name:	-	Koʻs (Desktor			OK	c	ancel			
					File Name:	-				OK:	c	ancel			
					File Name:	-				OK .	c	ancel			
					File Name:	-		>\UT-6808		OK	c	ancel			
					File Name:	-		>\UT-6808		OK	c	ancel			
					File Name:	-				OK	c	ancel			
					File Name:	-				OK	c	ancel			



7) Export virtual serial port list

In the "VCOM", select the COM Mapping interface, and click "Export COM List" to pop up the interface as shown in Figure 1. After clicking "Browse", select the path of the virtual serial port configuration information to be saved, and click "OK" to export Success is shown in Figure 2



emote	Device Mar	nagement		lapping	Options	About	Exit						
Add	СОМ	Input C	ом	Remove (	MO2	lodify COM	Enable C	DM Disable CO	M	rt COM List	Export CO	4 List	
# ^	Туре		IP			Port	COM Port	Connection Stat	us				
	8 por	ts	172.16.1	4.97		1	COM2	N/A					
	8 por	a a	172.16.1	1.97		2	COM3	N/A					
	8 por	is i	172, 16, 1	1.97		3	COM5	N/A					
Í.	8 por	ts	172, 16, 1	4.97		4	COM11	N/A					
	8 por		172, 16, 1			5	COM7	N/A					
	8 por	ts	172, 16, 1	1.97		6	COM8	N/A					
	8 por		172, 16, 1			7	COM9	N/A					
	8 por	ts	172.16.1	1.97		8	COM10	N/A					
				E	xport CO	M List				×			
				_	- 60		165\Desktop\UT	-6808.ini		×			
				_	- 60		165\Desktop\UT		ОК	Cancel			
				_	- 60	C:\Users\11	165\Desktop\UT		ОК				
				_	- 60	C:\Users\11	165\Desktop\UT		ОК				
				_	- 60	C:\Users\11	165\Desktop\UT		ок				
				_	- 60	C:\Users\11	i65\Desktop\UT		ОК				
				_	- 60	C:\Users\11	ii 5 \Desktop \UT		OK				
				_	- 60	C:\Users\11	%5\Desktop\UT		ок				
				_	- 60	C:\Users\11	%5\Desktop\UT		OK				
				_	- 60	C:\Users\11	65\Desktop\UT		ок				
				_	- 60	C:\Users\11	65\Desktop\UT		ок				
				_	- 60	C:\Users\11	165 \Desktop \UT		ок [				
				_	- 60	C:\Users\11	165 \Desktop \UT		OK .				
				_	- 60	C:\Users\11	65\Desktop\UT		ок [				
				_	- 60	C:\Users\11	H65\Desktop\UT		ОК				
				_	- 60	C:\Users\11	165 \Desktop \UT		OK				
				_	- 60	C:\Users\11	165 \Desktop \UT		OK				



Figure2

### c) Options



When you choose to open the VCOM, whether the software is opened directly or minimized in the taskbar; the software is opened in the taskbar minimized by default, the configuration is as shown in the figure below.

Remote D		ent <u>C</u> OM Mapping <u>Optic</u>	ns <u>A</u> bout	Exit		-	>
Add C	11	It COM Remove C	Start Minimi	zed	Disable COM Import COM List Export COM List	t	
# ^	Туре	IP	Port	COM Port	Connection Status		 _
1	8 ports	172.16.14.97	1	COM2	N/A		
2	8 ports	172.16.14.97	2	COM3	N/A		
3	8 ports	172.16.14.97	3	COM5	N/A		
4	8 ports	172.16.14.97	4	COM11	N/A		
5	8 ports	172.16.14.97	5	COM7	N/A		
5	8 ports	172, 16, 14, 97	6	COM8	N/A		
7	8 ports	172, 16, 14, 97	7	COM9	N/A		
3	8 ports	172.16.14.97	8	COM10	N/A		

### d) About

Click the "About" button to view the software version information as shown in the figure below.

Add	COM	Input C	OM				Enable CC	DM Disable COM	Import	COM List	Export COM Li	st	
^	Туре	Input t	IP	(selle/jes	-2011   -	Port	COM Port	Connection Status	Import	CONTEISE	Export contra		 
	8 ports		172.16.	14 07		1	COM2	N/A					
	8 ports		172.16			2	COM2 COM3	N/A N/A					
	8 ports		172,16			3	COM5	N/A					
	8 ports		172.16			4	COM11	N/A					
	8 ports		172.16			5	COM7	N/A					
	8 ports		172.16			6	COM8	N/A					
	8 ports		172,16			7	COM9	N/A					
	8 ports		172.16			8	COM10	N/A					
									_				
						About V	Serial de Ver:3.7	vice servere series	×				
						About V	Serial de Ver:3.7	vice servere series	×				
						About V	Serial de Ver:3.7		×				
						About V	Serial de Ver:3.7		×				
						About V	Serial de Ver:3.7		×				
						About V	Serial de Ver:3.7		×				
						About V	Serial de Ver:3.7		×				
						About V	Serial de Ver:3.7		X				
						About V	Serial de Ver:3.7		X				
						About V	Serial de Ver:3.7		×				
						About V	Serial de Ver:3.7		×				
						About V	Serial de Ver:3.7		×				
						About V	Serial de Ver:3.7						
						About V	Serial de Ver:3.7		×				
						About V	Serial de Ver:3.7		×				
						About V	Serial de Ver:3.7		×				
						About V	Serial de Ver:3.7		×				

e) Exit



Click the "Exit" button to exit the software.