This manual is made for software setup of SCE-ETHCK for installation instructions follow this link saginawcontrol.com/instman/sce-ethck-manual.pdf or scan the QR code to the right.
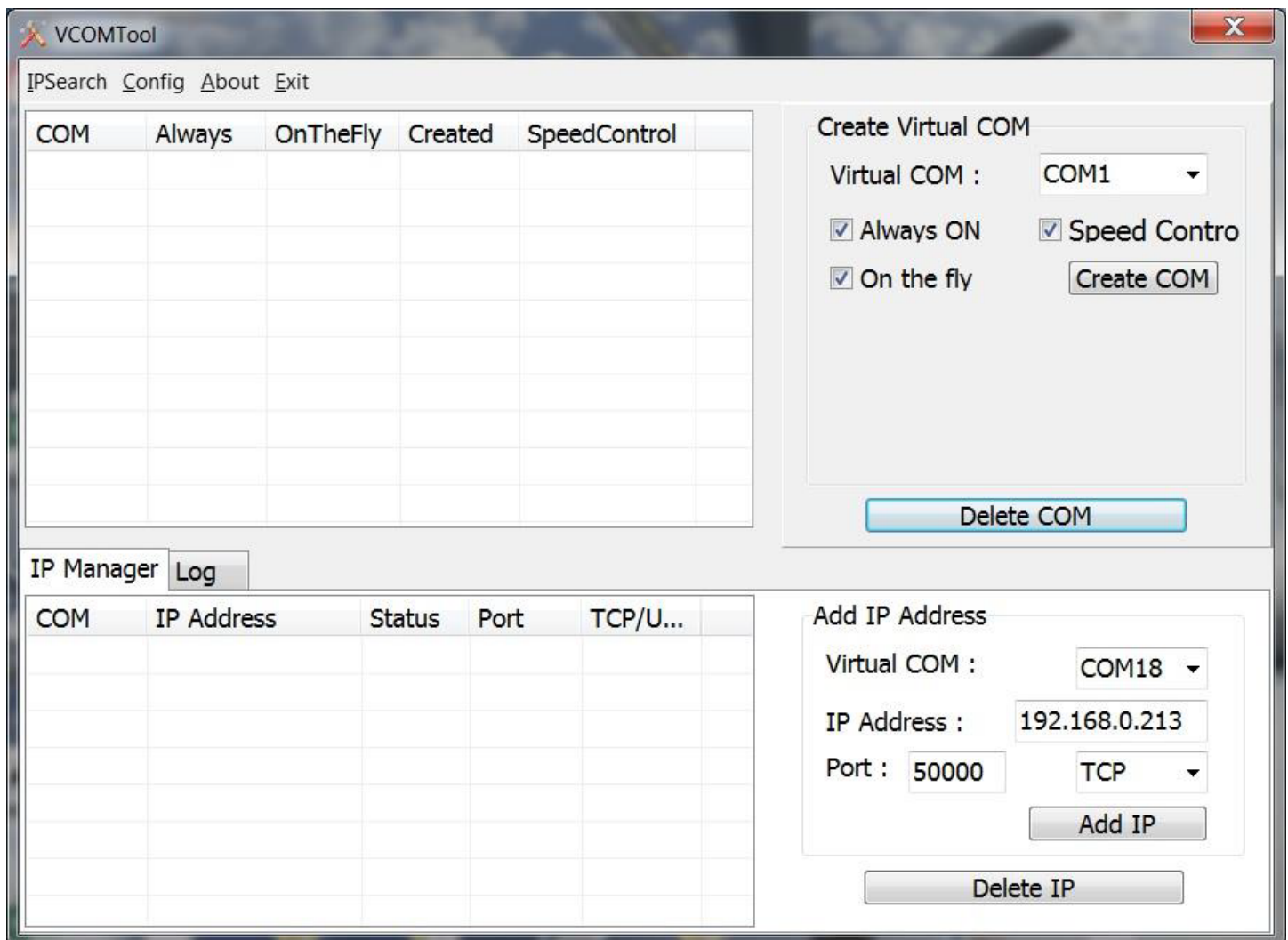
System Setup

Install the software 'VCOMToolSetup.exe' from the link provided. Install all the drivers being asked for during the installation of this software. This software will act as the Virtual COM Port to connect to the BF430 using a normal COM Port instead of an IP Address. This software is configured only once and restarts automatically with Windows.

https://www.gridconnect.com/products/industrial-serial-rs232-ethernet-rs485-converter-bf-430
Select 'DOCUMENTS & DRIVERS' and download 'BF-430 Product CD'

When installation is complete, open the software. The following is the main interface:

At this stage, connect the BF430 to the network, to perform a network search.

Select **IPSearch** in the VCOM tool to launch the **IP Locator** utility.

Select **Refresh** to find the unit on the network. The unit will be displayed in the available rows.

To change the unit parameters, click on the respective row, and modify the settings on the table below, then click **Alter**.

Use the VCOMTool, to create a Virtual COM and link it to an IP Address.

In the **'Create Virtual Com'** section, choose any COM number from the drop-down list and select **Create COM**. The newly created COM port will be displayed in the table on the left. Make sure that check box 'Always ON' is ticked so that connection is re-established automatically in case there is any network problems.

In the **'Add IP Address'** section, enter the respective IP Address of the BF430 in the **IP Address** text box, the specific port which will be using in the **Port** text box (in this case 50000) and select **TCP.** Select **Add IP** and the IP/COM port link will be included in the **IP Manager** table. Important that the BF430 must be switched ON with the respective IP Address.

Open a web browser and connect to the unit using the IP Address. Check for the following parameters:

TYPE	STATIC IP (Drop down on top in the One Page Setup).
IP Address	Set according to the network
Subnet Mask	Set according to the network
Gateway	Set according to the network
Serial Type	RS232/RS485 (Also need to be set from a small switch on the BF430)
Baud Rate	Based on Application
Connection Mode	TCP SERVER
Connection Port Number	Based on Application

One Page Setup

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The following pages does not need to be modified. They are just for reference only.

Operation Mode Setup (TCP Server)

MODE: TCP SERVER ▾

Local Listen Port Number	50000
Close Connection When Remote Idle	100 (seconds)
Access Password	(maxlen 31)
Keep Alive Check	⦿ Disable ◯ Enable
Max TCP Connection	1 ▾
Real COM	☐ ENABLE
Keep the Serial connection open	◯ All The Time ⦿ After TCP Connected

APPLY | CANCEL | BACK

Serial Port Setup

Serial Type	RS232 ▾
Baud Rate	19200 ▾ 0 (User Defined)
Data Bits	8 ▾
Parity Check	None ▾
Stop Bits	1 ▾
Flow Control	None ▾
Force Packet Transmit Time	0 (0 - 65535)ms
Force Packet Transmit Length	0 (0 - 65535)bytes
Delimiter 1	0x 00 (HEX) ◯ Enable ⦿ Disable
Delimiter 2	0x 00 (HEX) ◯ Enable ⦿ Disable
RS485 Transmission Delay Time	0 (0 - 65535)us Note: for RS485 only

APPLY | CANCEL | BACK

DDNS Setup

DDNS Services: Disabled ▾

Status :	DDNS function is disabled

APPLY   CANCEL   BACK

BF-430

Main Menu
- One Page Setup

Advanced Setup
- Operation Mode
- Serial Type
- Dynamic DNS

Management
- Device Admin
- System Status
- Backup & Restore
- Upgrade Firmware
- Ping

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Device Administration Setting

Block Standard Http Port(80) Management   ⦿ UNBLOCK ◯ BLOCK
Device Management IP Address   192 .168 .200 .200
Device Hostname   CHIYU
Device Location

APPLY

Administrator Password
User Name
Password Change ●●●●●●●●●●●
Password Confirm ●●●●●●●●●●●

APPLY

| Block Ping Request | ⦿ UNBLOCK ◯ BLOCK | APPLY |
| MAC Address Change | 00 :00 :00 :00 :00 :00 | APPLY |

Reset System to Factory Default   FACTORY DEFAULT

Reboot System   REBOOT

BACK

192.168.2.249/manage.htm

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sce-ethck-setup.pdf

BF-430 Status Monitor

System Status	
Product Name:	BF430 232/485 TCP/IP Converter
Firmware Version:	1.16.00,Nov 16 2012
System Up Time:	0H:21M:40S
Ethernet Status	
IP Configuration Mode:	STATIC IP
Operation Mode:	TCP SERVER
Connection Port:	50000
MAC Address:	00:0e:e3:04:bd:f9
IP Address:	192.168.2.249
Subnet mask:	255.255.0.0
Default Gateway:	192.168.0.2
Primary DNS:	168.95.1.1
STATUS:	Up
Serial Status	
Serial Type:	RS232
Baud Rate:	19200
Data Bits:	8
Parity Check:	none
Stop Bits:	1
Flow Control:	None

Statistic			
Ethernet :	TX Bytes:	272974 bytes	
	TX Packets:	2351 packets	
	RX Bytes:	2714826 bytes	
	RX Packets:	35064 packets	
Serial:	TX Bytes:	8827 bytes	
	RX Bytes:	20176 bytes	

Backup & Restore Configuration

Backup

Backup

Restore

Please select a configuration file to restore :   Choose File   No file chosen

Restore

BACK

Firmware Upgrade

Warning: Upgrade must NOT be interrupted

Please select a file to upgrade	Choose File No file chosen	UPGRADE

BACK

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Networking Diagnostic (PING)

Source IP Address :	192.168.2.249			
Destination IP Address :	0	.0	.0	.0
Packet Number :	4 (1 - 4)			
Packet Size :	60 (maximum 1460 Bytes)			
Ping Result :				

	Sent Request:	0
	Receive Reply:	0

PING   CANCEL   BACK

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