# gridconnect.

# GC-BF-430 (RS232/485)
# GC-BF-431 (RS232/422)

## ETHERNET CONVERTER

### Quick Start Guide



## 1. Setting up Your IP Address

Use this section to set up your computer to assign it a static IP address in the 192.168.168.1 to 192.168.168.254 (except for 192.168.168.125) range with a subnet mask of 255.255.255.0. This is necessary to ensure that your computer can communicate with your BF-430/BF-431.

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.

*Note: Connect a computer to BF-430/BF-431 Ethernet port directly should be with crossover Ethernet cable, if both connect to hub/switch should be with straight-through Ethernet cable.*

## 1.1 Using IP Search Utility to set BF430/BF431's IP Addresses

1. Install IP Search utility on your computer and execute **ipsearch.exe**.

2. Clicks **Refresh** to find the IP address of your BF430/BF-431.

3. If the current setting of IP address is not in same sub network with yours, then you can change BF430/BF-431's IP address and Subnet Mask by click **Alter**.
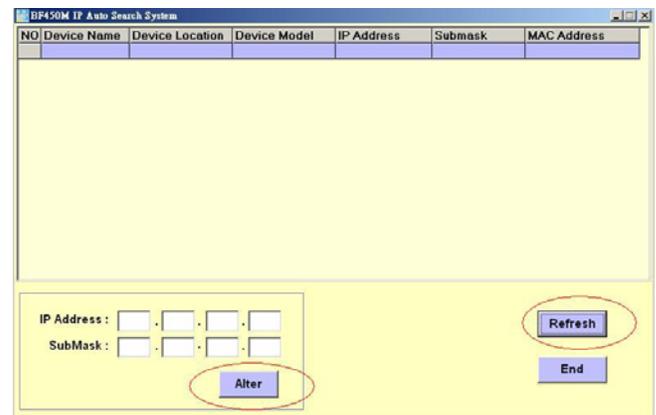


## 2. Configure BF-430/BF-431

1. Open your web browser and type **http://192.168.168.125** in the browser's *address box*. This address is the factory set IP Address of your BF-430/BF-431. Press "**Enter**".

2. The **"Username and Password required"** prompt box will appear. Typing "**admin**" (default username) in the Username field and typing **"admin"** (default password) in the Password field. Click "**OK**". The setup screen will then appear.

3. It is highly recommended you change the default username and password when you login successfully first time.

## TROUBLESHOOTING SUGGESTIONS

| None of the LEDs turn on when you turn on the BF-430 / BF-431 | Make sure that you have correct power connected to BF-430 / BF-431 and plugged in to an appropriate power source. Check all cables connections. If the LEDs still do not turn on, you may have a hardware problem. In this case, you should contact your local vendor. |
|---|---|
| Can not access BF-430 / BF-431 from Ethernet | Check cable connection between BF-430 / BF-431 and computer or hub. Ping BF-430 / BF-431 from computer. Make sure your computer Ethernet card is installed and functioning properly. |
| Can not ping any computer on the LAN | If the 10/100M LED are off, check the cable connection between BF-430 / BF-431 and your computer. Verify that the IP address and subnet mask of the BF-430 / BF-431 and computer are in the same IP address range. |
| Can not access BF-430 / BF-431 from Serial | Check the Serial cable connection between BF-430 / BF-431 and your device. Verify that the BF-430 / BF-431 setting of Serial type is same as your device and make sure the hardware jumper is in the correction position. |

## DEFAULT SETTINGS

| Serial Working Mode | Default Value |
|---|---|
| Acting Role | TCP Server |
| Listen Port Number | 50000 |
| Idle Timeout to Close Connection | 300 seconds |
| Access Password | NULL |
| **IP Configuration** | **Default Value** |
| IP Mode | Static IP |
| IP Address | 192.168.168.125 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway | 192.168.168.254 |
| Primary DNS | 168.95.1.1 |
| **Serial Configuration** | **Default Value** |
| Serial Type | RS232 |
| Baud Rate | 115200 |
| Parity Check | None |
| Data Bits | 8 |
| Stop Bits | 1 |
| Flow Control | None |
| Force Transmission Time | 40 ms |
| **Dynamic DNS** | **Default Value** |
| DDNS Service | Disable |
| **Device Administration** | **Default** |
| Block Http Standard Port 80 | UNBlock |
| Manage IP Address | 192.168.200.200 |
| Device Name | "CHIYU" |
| Device Location | null |
| Login Username | "admin" |
| Login Password | "admin" |
| Block Ping Request | Unblock |
| **Diagnostic PING** | **Default Value** |
| PING Packet Numbers | 4 |
| PING Packet Length | 60 Bytes |