

How to setup the BIT COMMANDER US2000A Serial to Ethernet converter (based on Windows 7, 32/64-bit)

This Step-by-step guide explains how to get started using the Bit Commander US2000A Serial to Ethernet converter.

Powering the converter	2
Configuring the parameters	3
Accessing the parameters by using a web browser	4
Accessing the parameters using the configuration utility	6
How to create a virtual COM port	8
Making a loop-back test	10



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Powering the converter.

The US2000A converter can be powered by a 5 to 18VDC 1.5A (max) voltage by using a standard connector jack size of 5.5 x 2.1 x 11.5mm or through screw terminals.

When power is applied to the module the red “Power” LED should be solid ON and after the module has booted and is ready the green “Ready” LED should flash.

A standard 110VAC / 9VDC power adapter as shown below can be used to power the module.



Configuring the parameters.

There are two ways of configuring the parameters of the US2000A module:

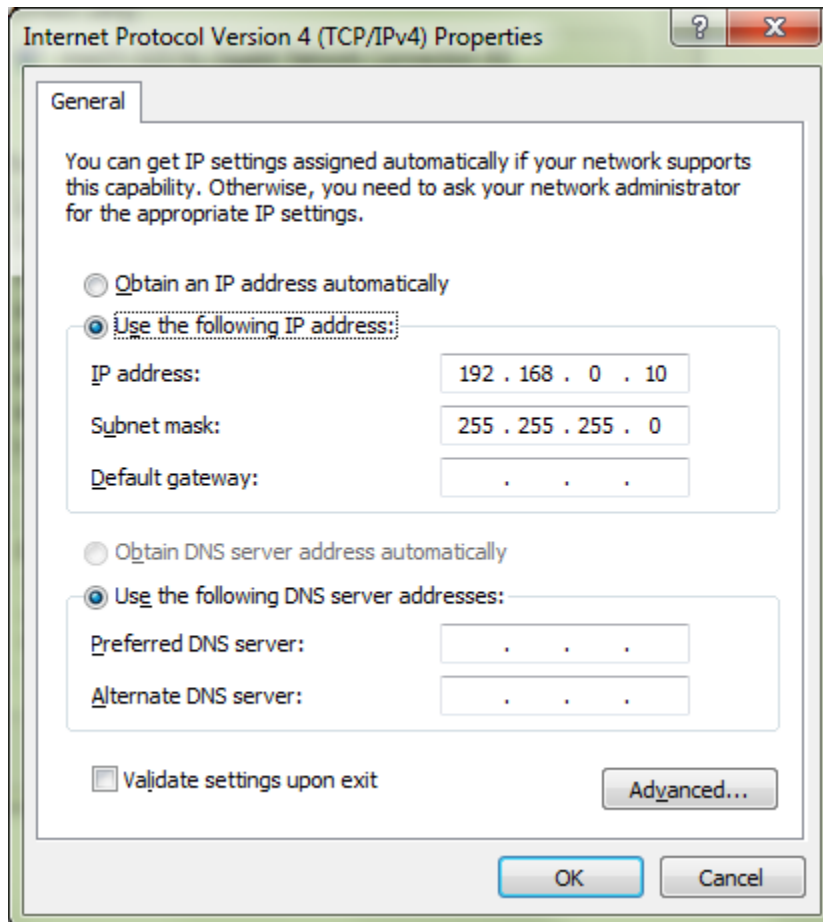
- By connecting the converter to your computer using a standard Ethernet cable and then use a web browser to login to the converter. This will work locally or remotely over a network.
- By connecting the converter to your computer using a standard Ethernet cable and then use the configuration utility to configure the parameters. This will work locally only (Ethernet cable connected directly to your computer).

We will here describe these methods.

Accessing the parameters using a web browser.

Connect the converter to your computer using a standard Ethernet cable.

Make sure the network connection you connect the US2000A to is set to a static IP address in the same subnet as the US2000A such as 192.168.0.xxx as shown below.

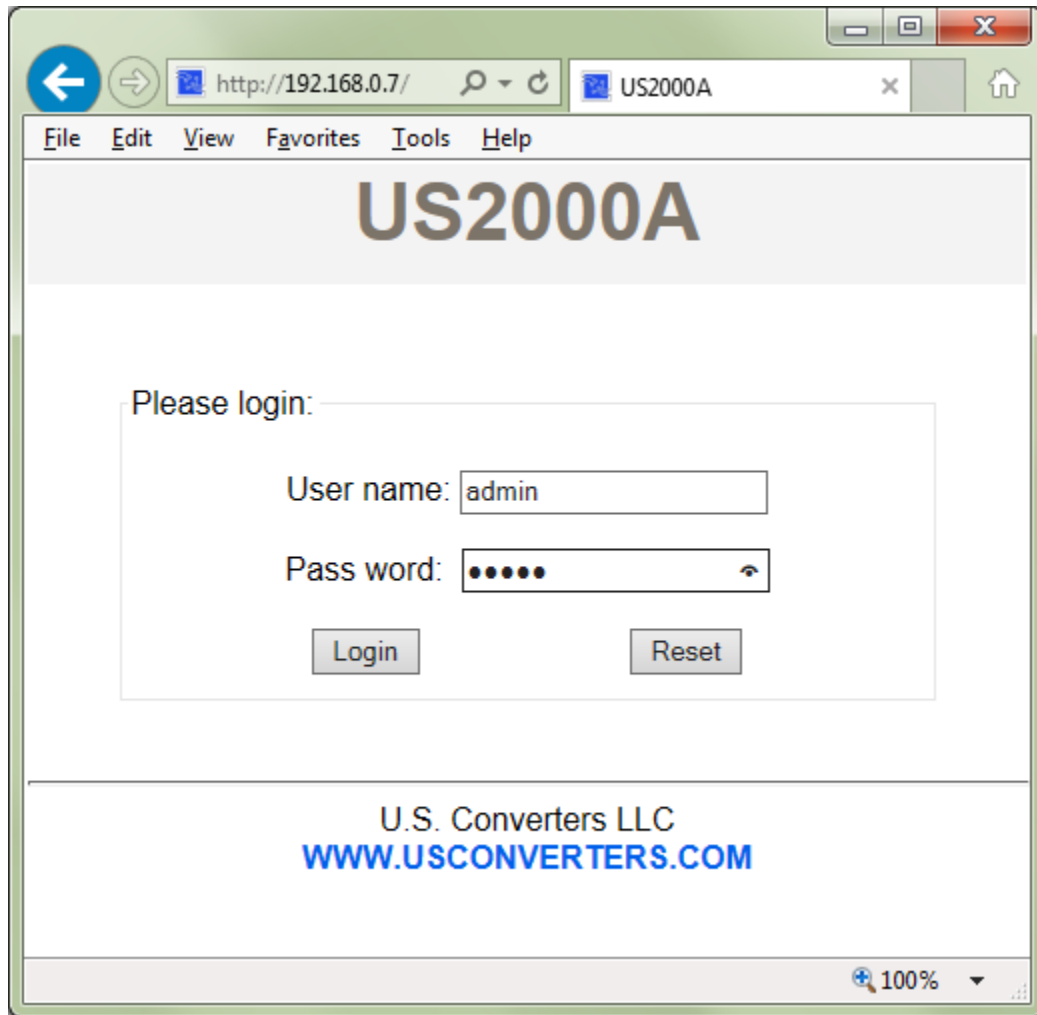


Open a web browser and enter the US2000A's IP address which is 192.168.0.7

You will now see the login screen.

User: **admin**

Password: **admin**



The screenshot shows a web browser window with the address bar displaying `http://192.168.0.7/` and the tab title `US2000A`. The browser's menu bar includes `File`, `Edit`, `View`, `Favorites`, `Tools`, and `Help`. The main content area features the title `US2000A` in large, bold, black letters. Below this, a login form is presented with the prompt `Please login:`. The form contains two input fields: `User name:` with the text `admin` entered, and `Pass word:` with five black dots representing a masked password. To the right of the password field is an eye icon for toggling visibility. Below the input fields are two buttons: `Login` and `Reset`. At the bottom of the page, the text `U.S. Converters LLC` and `WWW.USCONVERTERS.COM` are displayed. The browser's status bar at the bottom right shows a magnifying glass icon and `100%` zoom.

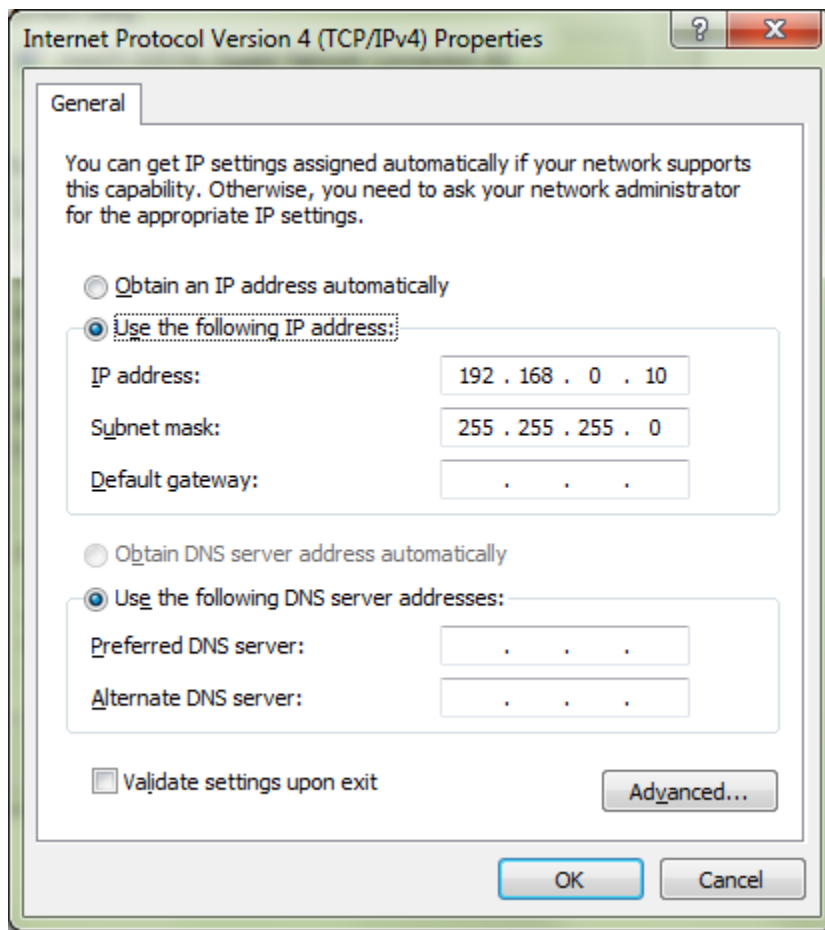
Accessing the parameters by using the configuration utility

The US2000A's parameters can be configured by using the configuration utility. This will only work locally (not over a network). We recommend using a web browser for configuring the parameters and only using this configuration utility for firmware updates.

To use the configuration utility simply run the program called "US2000A Config.exe" and click the "Search" button.

If the configuration utility cannot find the US2000A when you click the "Search" button then try the following:

1. **Make sure the network connection you connect the US2000A to is set to a static IP address in the same subnet as the US2000A such as 192.168.0.xxx as shown below.**
2. **Disable ALL other wired and wireless network connections (including Internet connection) for the configuration software to be able to find the US2000A on the network.**
3. **Disable antivirus and firewall software.**



Configuration main screen:

US2000A V1.4.3.3

Device(D) About(A)

Search List

Device IP	Device Name	MAC	Version
192.168.0.7	US2000A	D8 B0 4C 00 22 13	2016

Search Device

Open Device Read Config Read Temporary

Device Reset Save Config Default Config

Base Save

UPNP Port: 6432 Device Name: US2000A

HTTP Port: 80 User MAC: D8 B0 4C 00 22 13

Device ID: 1 IP Type: Static IP

Device ID Type: 0 Static IP: 192.168.0.7

User Name: admin Gateway: 192.168.0.1

Password: admin SubnetMask: 255.255.255.0

Base Save

Port0 Port1 Port2

Baudrate: 115200

Parity/Data/Stop: NONE 8 1

FlowControl: None

Local Port: 23

Remote Port: 23

Work Mode: TCP Server

Server connect count: 1 (1~8)

TCP Server style: Transparent transmissio

ModbusTCP: None

RemoteIP: 192.168.0.201

PackTime: 10 ms (<256, 0 for no uses)

PackLen: 200 byte (<1024, 0 for no uses)

Save COM0

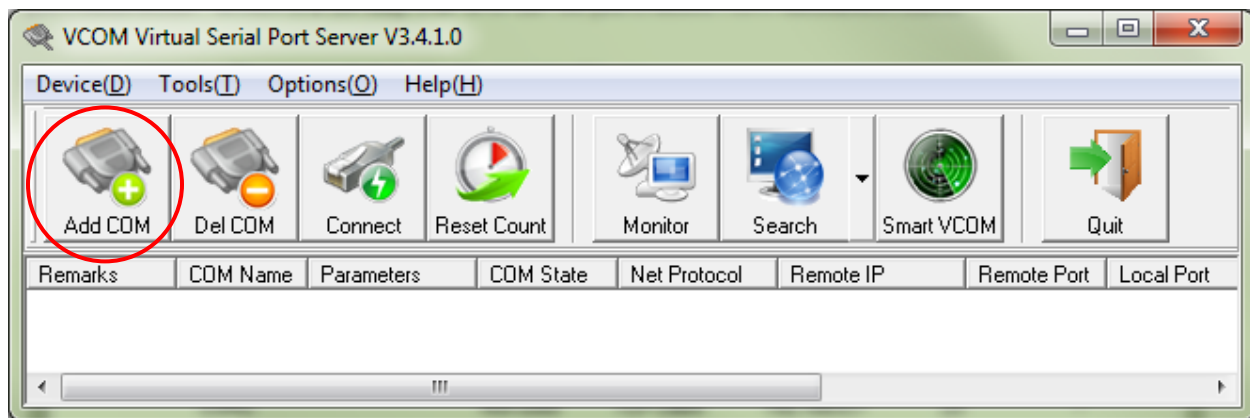
Please select the module in the search list. On-line Device NUM:1 Search Port:1901

How to create a virtual COM port

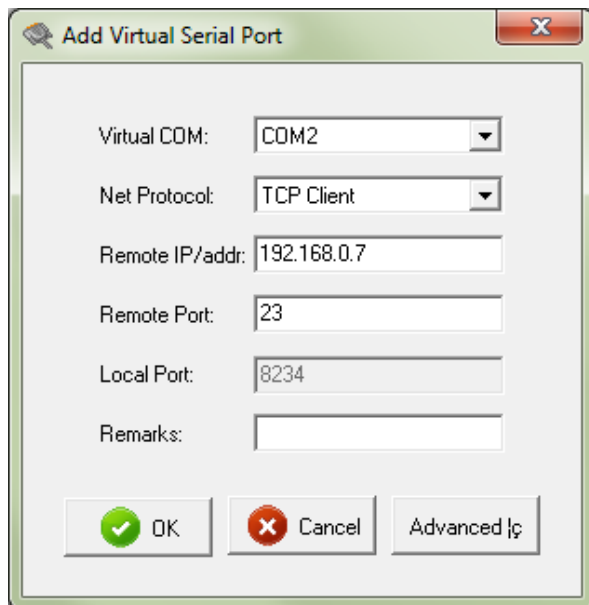
This converter has two serial ports, one RS232 port and one RS485 port, both ports can be used as individual COM ports and transfer two separate data streams at the same time.

To create a virtual COM port for the US2000A converter which can be used by a serial application or serial device you need to use a COM port redirector. You can either use the VCOM software included with the US2000A or a 3rd party VCOM software such as "PortShare" which is free or "Fabulatech COM port Redirector" which is a 15-day trial and can be purchased from fabulatech.com.

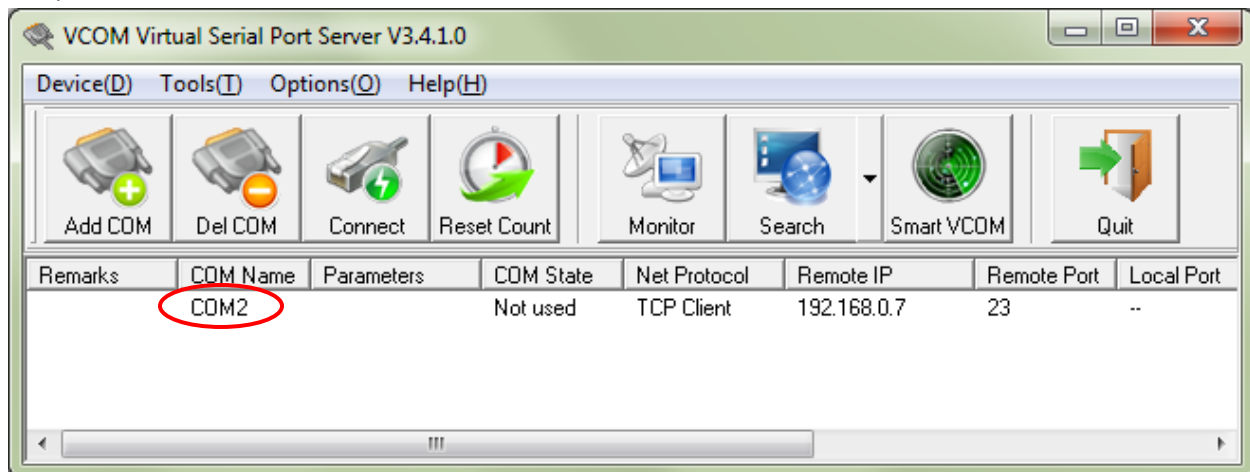
Start the VCOM software and click the "Add COM" button:



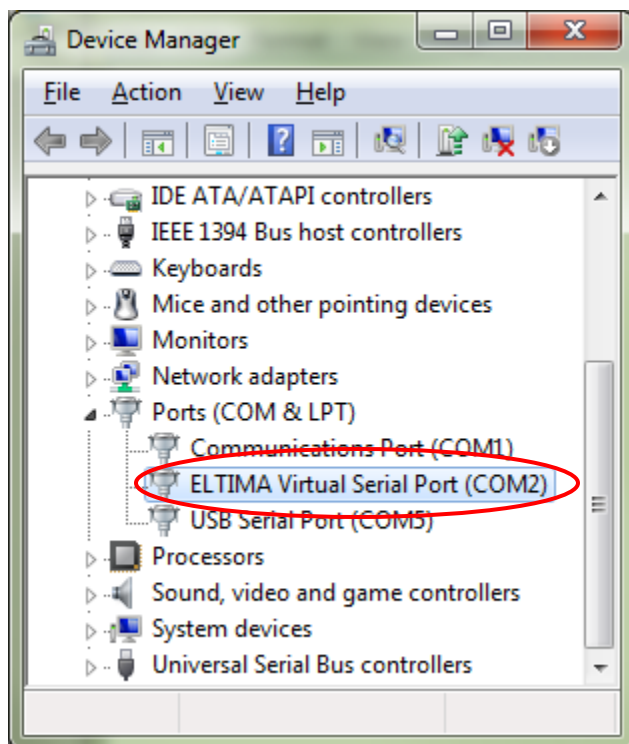
Select the COM port number you want to create and enter the IP address and LAN port number (COM port 0 = LAN port 23, COM port 1 = LAN port 26) as shown below:



The port will now be created:



Check in Windows Device Manager to see if the COM port has been successfully created:



To create another COM port simply follow the same procedure but instead of entering LAN port "23" you need to enter LAN port "26" which are the defaults for each COM port.

Making a loop-back test.

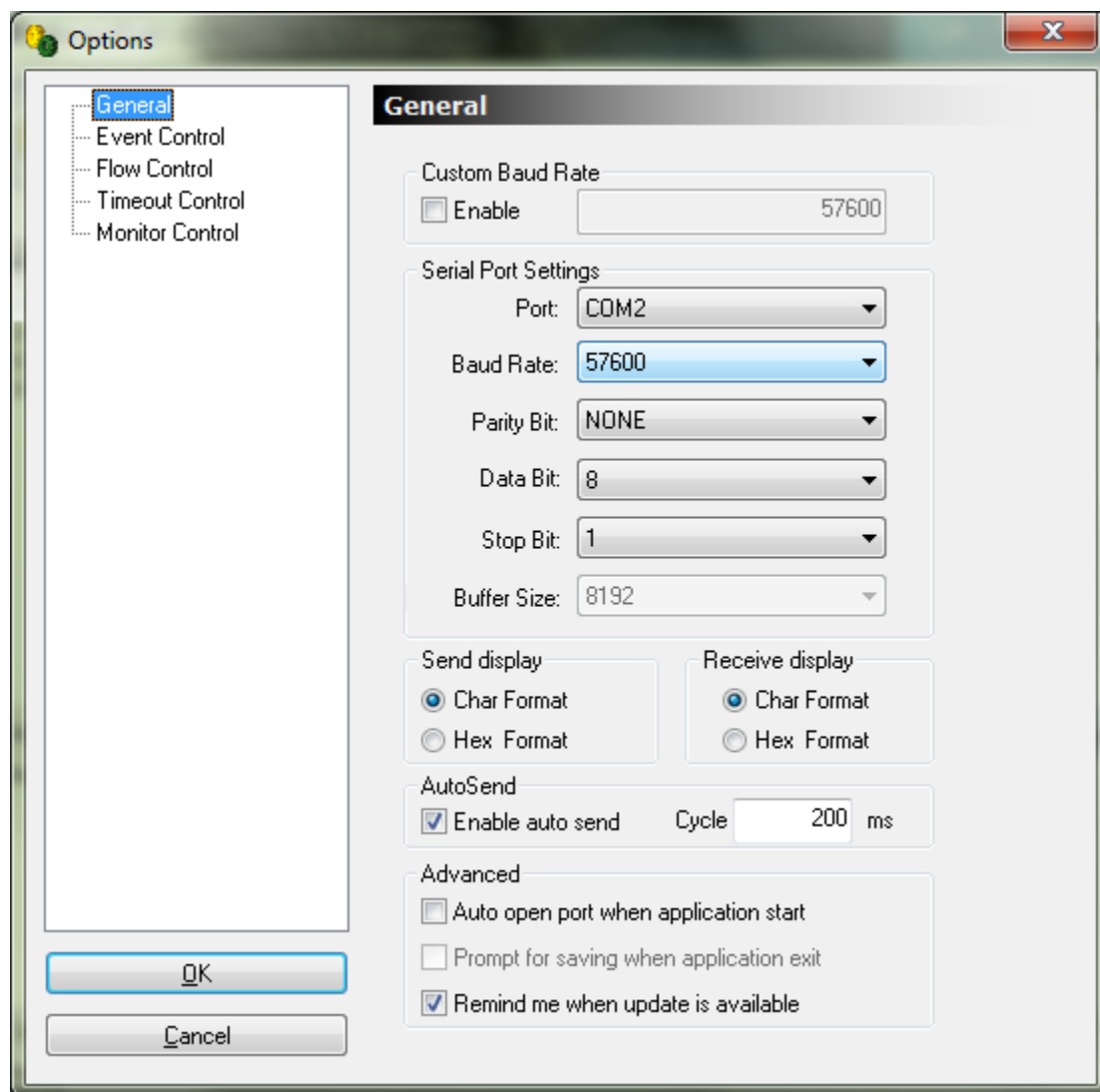
To verify if the US2000A converter is working properly and the port(s) has been successfully created you can make a loop-back test.

First carefully use a paper clip or similar to short the RX (pin 2) and TX (pin 3) pins at the end of the included Ethernet cable and connect the cable to the US2000A module's DB9 connector.

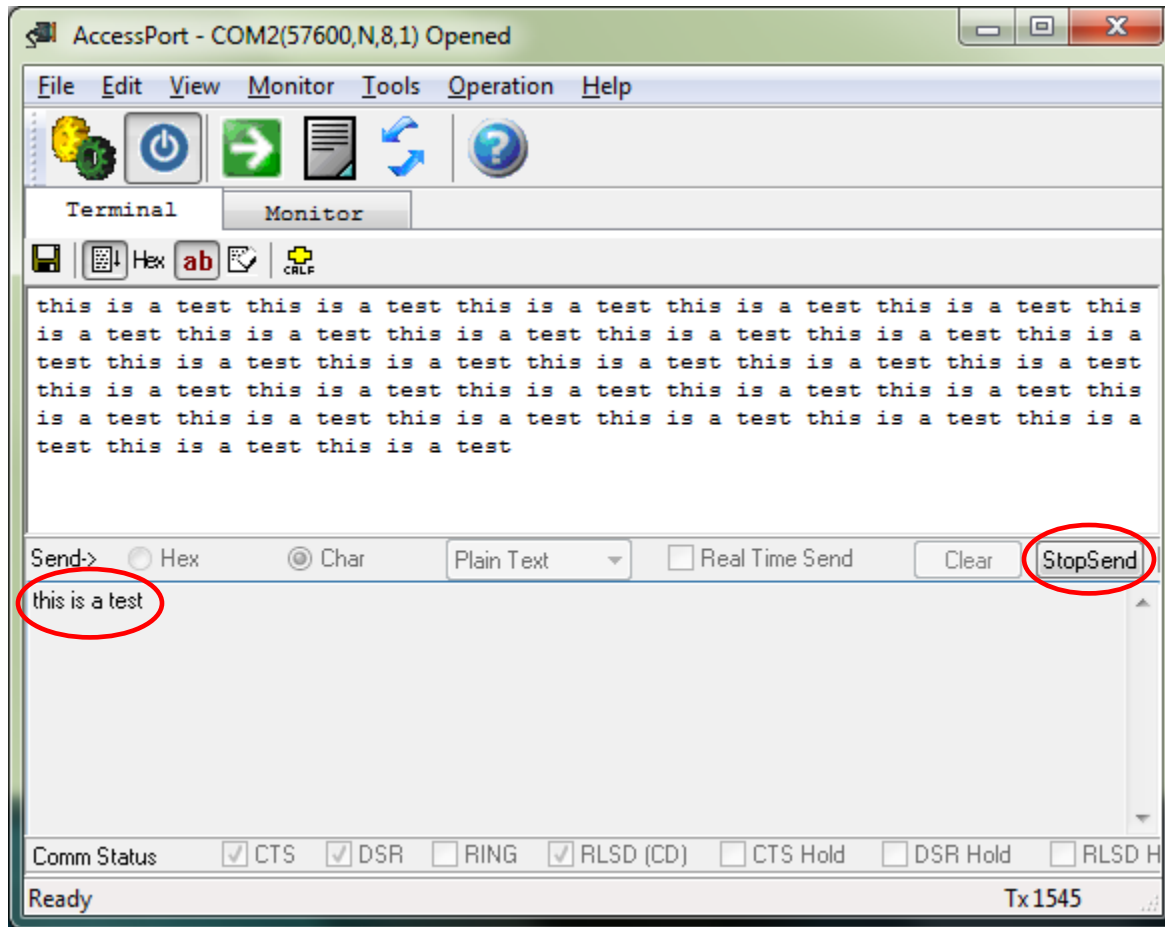
Connect the converter to your computer and create a virtual COM port as described above.

Open AccessPort (can be downloaded for free from <http://www.usconverters.com>).

Configure AccessPort's parameters to match the virtually created COM port (the COM port created by the VCOM software), in this example COM 2, and click the OK button:



The port will now open.

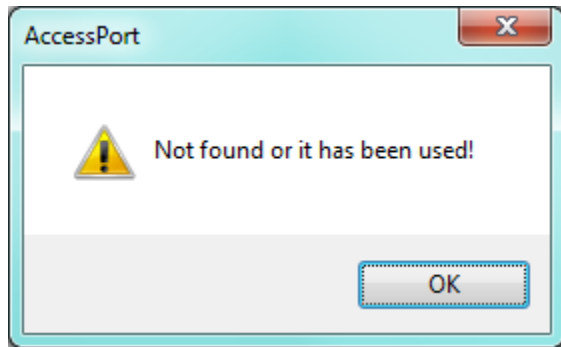


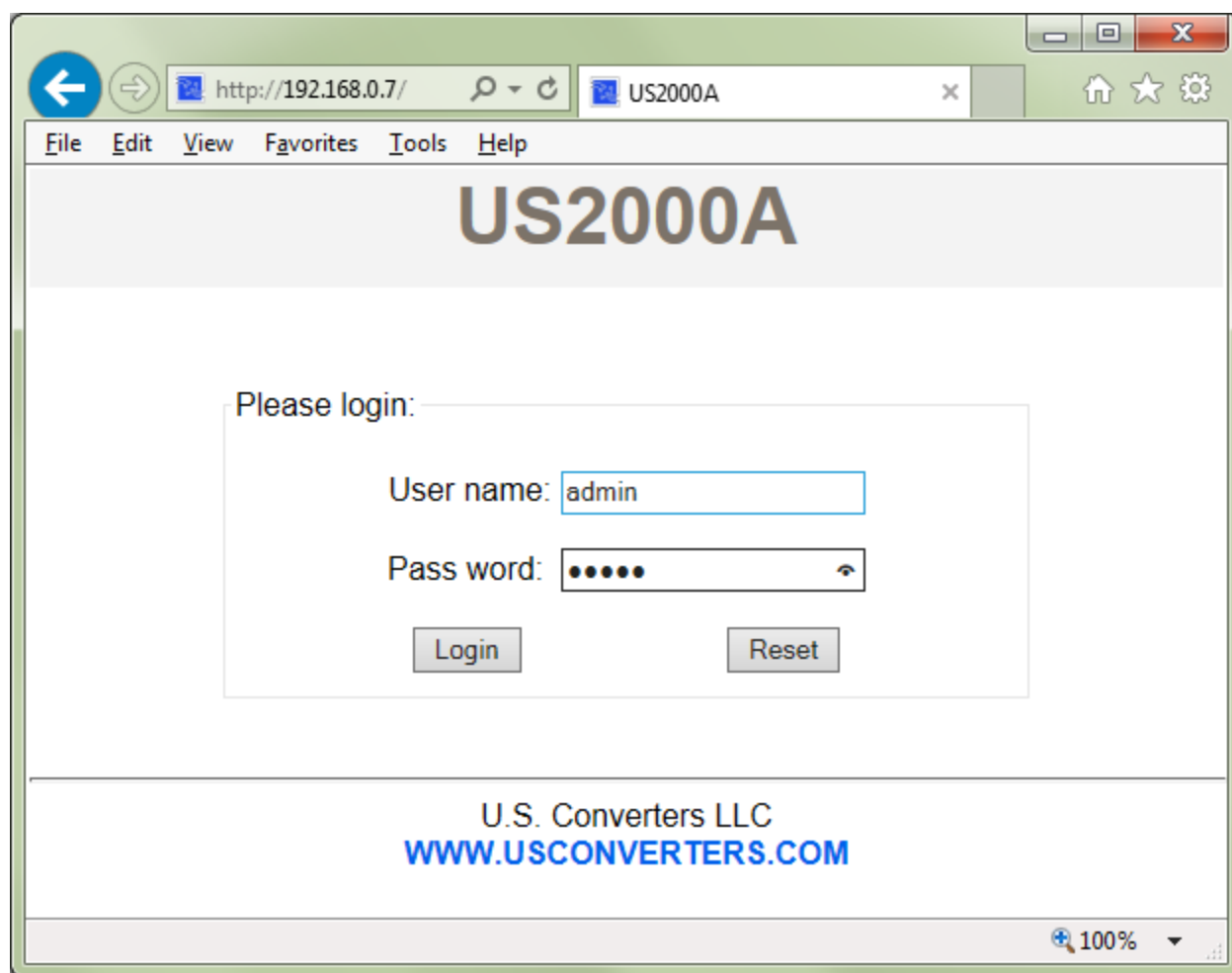
Enter a text string in the lower (send) window in AccessPort and click the AutoSend button. The characters should now be sent via virtual COM 2, out through the network cable to the US2000A module, out on the TX pin, back into the RX pin, back through the Ethernet cable, back into virtual COM port 2 and should appear in AccessPorts upper (receive) window.

If you remove the jumper at the end of the serial cable connected to the US2000A the data flow should stop.

Making this loopback test will confirm that the COM port has been successfully created and that the US2000A can send and receive data, ensuring that the module has been setup correctly.

If you try to open the port but it is already in use or otherwise occupied by the operating system you will get the following error message from AccessPort. Using a different port is the easiest solution.





The image shows a web browser window with the address bar displaying `http://192.168.0.7/` and the page title `US2000A`. The browser's menu bar includes `File`, `Edit`, `View`, `Favorites`, `Tools`, and `Help`. The main content area features a large heading `US2000A` and a login form. The login form contains the text `Please login:`, a `User name:` field with the value `admin`, a `Pass word:` field with masked characters, and `Login` and `Reset` buttons. At the bottom of the page, it displays `U.S. Converters LLC` and the website `WWW.USCONVERTERS.COM`. The status bar at the bottom right shows a zoom level of `100%`.

US2000A

Please login:

User name:

Pass word:

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100%

The screenshot shows the 'Status and Configuration' page of the US2000A web interface. The browser address bar shows 'http://192.168.0.7/login.cgi?user=admin&pass='. The page has a sidebar with a menu: 1. Current config and status, 2. Port0 settings, 3. Port1 settings, 4. Web to Serial, 5. Miscellaneous settings. The main content area displays the following configuration details:

Name:	US2000A
Firmware Revision:	2016
IP Address:	192.168.0.7
MAC Address:	d8-b0-4c-00-3c-14

At the top right of the main area is a 'Logout' link. The page footer shows 'U.S. CONVERTERS LLC' and 'WWW.USCONVERTERS.COM'.

The screenshot shows the 'Port 0 Settings' page of the US2000A web interface. The browser address bar shows 'http://192.168.0.7/login.cgi?user=admin&pass='. The page has a sidebar with a menu: 1. Current config and status, 2. Port0 settings, 3. Port1 settings, 4. Web to Serial, 5. Miscellaneous settings. The main content area displays the following configuration details:

The current settings for port 0 may be changed using the form below. To make the new settings apply each time the S2E module is reset, ensure that "Save these as next reset default settings." is checked before pressing the "Apply Changes" button. If this control is not checked, the changes are applied to the port but the existing defaults are used whenever the module is next reset.

	Updated
Baud Rate:	115200 bits/S
Data Size:	8 bits/character
Parity:	None
Stop Bits:	1 bit(s)
Flow Control and RS485:	RS485
Local Port Number:	23 <input checked="" type="checkbox"/> Bind local port (when TCP Client)
Remote Port Number:	23
Work Mode:	TCP Server <input type="checkbox"/> None <input type="checkbox"/> Modbus TCP
TCP Server detail:	8 max, typical type
Remote Server Addr:	192.168.0.201
Timeout:	0 seconds (< 256, 0 for no timeout)
UART packet Time:	10 ms (< 256)
UART packet length:	512 chars (< 1024, 0 for no use)
Sync Baudrate(RF2217 similar):	<input checked="" type="checkbox"/>

At the bottom of the form is a 'Submit' button and a checkbox labeled 'Save these as next startup default settings.' which is checked. The page footer shows 'U.S. Converters LLC' and 'WWW.USCONVERTERS.COM'.

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US2000A

[Logout](#)

Port 0 Settings

The current settings for port 0 may be changed using the form below. To make the new settings apply each time the S2E module is reset, ensure that **"Save these as next reset default settings."** is checked before pressing the "Apply Changes" button. If this control is not checked, the changes are applied to the port but the existing defaults are used whenever the module is next reset.

Baud Rate:	256000 230400 115200 57600 38400 19200 14400 9600 4800 2400	bits/S
Data Size:	8 7 6 5 4 3 2 1	character
Parity:	Even Odd None	
Stop Bits:	1 2	
Flow Control and RS485:	<input type="checkbox"/> None <input checked="" type="checkbox"/> RTS/CTS	
Local Port Number:	1200 600 300 110	<input checked="" type="checkbox"/> Bind local port (when TCP Client)
Remote Port Number:		
Work Mode:	TCP Server None	Modbus TCP
TCP Server detail:	8 max, typical	type
Remote Server Addr:	192.168.0.201	
Timeout:	0	seconds (< 256, 0 for no timeout)
UART packet Time:	10	ms (< 256)
UART packet length:	512	chars (< 1024, 0 for no use)
Sync Baudrate(RF2217 similar):	<input checked="" type="checkbox"/>	

☒ Save these as next startup default settings.

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The screenshot shows a web browser window with the address bar displaying `http://192.168.0.7/login.cgi?user=admin&pass=`. The page title is "US2000A". In the top right corner, there is a "Logout" link. On the left side, there is a navigation menu with the following items:

- 1. Current config and status
- 2. Port0 settings
- 3. Port1 settings
- 4. Web to Serial
- 5. Miscellaneous settings

The main content area is titled "Port 0 Settings". Below the title, there is a paragraph of text: "The current settings for port 0 may be changed using the form below. To make the new settings apply each time the S2E module is reset, ensure that **'Save these as next reset default settings.'** is checked before pressing the 'Apply Changes' button. If this control is not checked, the changes are applied to the port but the existing defaults are used whenever the module is next reset."

The form contains the following fields and options:

Baud Rate:	57600	bits/S
Data Size:	8	bits/character
Parity:	None	
Stop Bits:	1	bit(s)
Flow Control and RS485:	RS485	
Local Port Number:	23	<input checked="" type="checkbox"/> Bind local port (when TCP Client)
Remote Port Number:	23	
Work Mode:	TCP Server	None Modbus TCP
TCP Server detail:	8	max, typical type
Remote Server Addr:	192.168.0.201	
Timeout:	0	seconds (< 256, 0 for no timeout)
UART packet Time:	10	ms (< 256)
UART packet length:	512	chars (< 1024, 0 for no use)
Sync Baudrate(RF2217 similar):	<input checked="" type="checkbox"/>	

At the bottom of the form, there is a "Submit" button and a checkbox labeled "Save these as next startup default settings." which is checked.

At the bottom of the page, there is a footer with the text "U.S. Converters LLC" and "WWW.USCONVERTERS.COM".

The screenshot shows a web browser window with the address bar displaying `http://192.168.0.7/login.cgi?user=admin&pass=`. The page title is "US2000A". In the top right corner, there is a "Logout" link. On the left side, there is a navigation menu with the following items:

- 1. Current config and status
- 2. Port0 settings
- 3. Port1 settings
- 4. Web to Serial
- 5. Miscellaneous settings

The main content area is titled "Port 0 Settings". Below the title, there is a paragraph of text: "The current settings for port 0 may be changed using the form below. To make the new settings apply each time the S2E module is reset, ensure that **'Save these as next reset default settings.'** is checked before pressing the 'Apply Changes' button. If this control is not checked, the changes are applied to the port but the existing defaults are used whenever the module is next reset."

The settings form includes the following fields and options:

Updated	
Baud Rate:	115200 bits/S
Data Size:	8 bits/character
Parity:	None
Stop Bits:	1
Flow Control and RS485:	Mark Space
Local Port Number:	23 <input checked="" type="checkbox"/> Bind local port (when TCP Client)
Remote Port Number:	23
Work Mode:	TCP Server <input type="checkbox"/> None <input type="checkbox"/> Modbus TCP
TCP Server detail:	8 max, typical type
Remote Server Addr:	192.168.0.201
Timeout:	0 seconds (< 256, 0 for no timeout)
UART packet Time:	10 ms (< 256)
UART packet length:	512 chars (< 1024, 0 for no use)
Sync Baudrate(RF2217 similar):	<input checked="" type="checkbox"/>

At the bottom of the form, there is a "Submit" button and a checkbox labeled "Save these as next startup default settings." which is checked.

At the bottom of the page, the text "U.S. Converters LLC" and "WWW.USCONVERTERS.COM" is displayed.

The screenshot shows a web browser window with the address bar displaying `http://192.168.0.7/login.cgi?user=admin&pass=`. The page title is "US2000A". In the top right corner, there is a "Logout" link. On the left side, there is a navigation menu with the following items:

- 1. Current config and status
- 2. Port0 settings
- 3. Port1 settings
- 4. Web to Serial
- 5. Miscellaneous settings

The main content area is titled "Port 0 Settings". Below the title, there is a paragraph of text: "The current settings for port 0 may be changed using the form below. To make the new settings apply each time the S2E module is reset, ensure that **'Save these as next reset default settings.'** is checked before pressing the 'Apply Changes' button. If this control is not checked, the changes are applied to the port but the existing defaults are used whenever the module is next reset."

The settings form includes the following fields:

Updated	
Baud Rate:	115200 bits/S
Data Size:	8 bits/character
Parity:	None
Stop Bits:	2 bit(s)
Flow Control and RS485:	RS485
Local Port Number:	23 <input checked="" type="checkbox"/> Bind local port (when TCP Client)
Remote Port Number:	23
Work Mode:	TCP Server <input type="checkbox"/> None <input type="checkbox"/> Modbus TCP
TCP Server detail:	8 max, typical type
Remote Server Addr:	192.168.0.201
Timeout:	0 seconds (< 256, 0 for no timeout)
UART packet Time:	10 ms (< 256)
UART packet length:	512 chars (< 1024, 0 for no use)
Sync Baudrate(RF2217 similar):	<input checked="" type="checkbox"/>

At the bottom of the form, there is a "Submit" button and a checkbox labeled "Save these as next startup default settings." which is checked.

At the bottom of the page, there is a footer with the text: "U.S. Converters LLC" and "WWW.USCONVERTERS.COM".

The screenshot shows a web browser window with the address bar displaying `http://192.168.0.7/login.cgi?user=admin&pass=`. The page title is "US2000A" and there is a "Logout" link in the top right corner. On the left side, there is a navigation menu with the following items:

- 1. Current config and status
- 2. Port0 settings
- 3. Port1 settings
- 4. Web to Serial
- 5. Miscellaneous settings

The main content area is titled "Port 0 Settings". Below the title, there is a paragraph explaining that settings for port 0 can be changed using the form below. It states: "The current settings for port 0 may be changed using the form below. To make the new settings apply each time the S2E module is reset, ensure that **'Save these as next reset default settings.'** is checked before pressing the 'Apply Changes' button. If this control is not checked, the changes are applied to the port but the existing defaults are used whenever the module is next reset."

The form contains the following fields and options:

Updated	
Baud Rate:	115200 bits/S
Data Size:	8 bits/character
Parity:	None
Stop Bits:	None
Flow Control and RS485:	Hardware RS485
Local Port Number:	23 <input checked="" type="checkbox"/> Bind local port (when TCP Client)
Remote Port Number:	23
Work Mode:	TCP Server <input type="checkbox"/> None <input type="checkbox"/> Modbus TCP
TCP Server detail:	8 max, typical type
Remote Server Addr:	192.168.0.201
Timeout:	0 seconds (< 256, 0 for no timeout)
UART packet Time:	10 ms (< 256)
UART packet length:	512 chars (< 1024, 0 for no use)
Sync Baudrate(RF2217 similar):	<input checked="" type="checkbox"/>

At the bottom of the form, there is a "Submit" button and a checkbox labeled "Save these as next startup default settings." which is checked.

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The screenshot shows a web browser window with the address bar displaying `http://192.168.0.7/login.cgi?user=admin&pass=`. The page title is "US2000A" and there is a "Logout" link in the top right corner. On the left, a navigation menu lists: 1. Current config and status, 2. Port0 settings, 3. Port1 settings, 4. Web to Serial, and 5. Miscellaneous settings. The main content area is titled "Port 0 Settings" and includes a paragraph explaining that settings for port 0 can be changed and that they will be saved as defaults if the "Save these as next reset default settings" checkbox is checked. Below this is a form with various settings, including Baud Rate (115200), Data Size (8), Parity (None), Stop Bits (1), Flow Control and RS485 (RS485), Local Port Number (22), Remote Port Number (57), Work Mode (TCP Server), TCP Server detail (None), Remote Server Addr (local), Timeout (0), UART packet Time (10), UART packet length (512), and Sync Baudrate (checked). A "Submit" button is at the bottom of the form. The footer of the page displays "U.S. Converters LLC" and "WWW.USCONVERTERS.COM".

US2000A

Logout

1. Current config and status
2. Port0 settings
3. Port1 settings
4. Web to Serial
5. Miscellaneous settings

Port 0 Settings

The current settings for port 0 may be changed using the form below. To make the new settings apply each time the S2E module is reset, ensure that **"Save these as next reset default settings."** is checked before pressing the "Apply Changes" button. If this control is not checked, the changes are applied to the port but the existing defaults are used whenever the module is next reset.

	Updated
Baud Rate:	115200 bits/S
Data Size:	8 bits/character
Parity:	None
Stop Bits:	1 bit(s)
Flow Control and RS485:	RS485
Local Port Number:	22 Bind local port (when TCP Client)
Remote Port Number:	57
Work Mode:	TCP Server
TCP Server detail:	None Modbus TCP
Remote Server Addr:	local type
Timeout:	0 seconds (< 256, 0 for no timeout)
UART packet Time:	10 ms (< 256)
UART packet length:	512 chars (< 1024, 0 for no use)
Sync Baudrate(RF2217 similar):	<input checked="" type="checkbox"/>
<input type="Submit"/> <input checked="" type="checkbox"/> Save these as next startup default settings.	

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US2000A

[Logout](#)

- 1. [Current config and status](#)
- 2. [Port0 settings](#)
- 3. [Port1 settings](#)
- 4. [Web to Serial](#)
- 5. [Miscellaneous settings](#)

Port 0 Settings

The current settings for port 0 may be changed using the form below. To make the new settings apply each time the S2E module is reset, ensure that **"Save these as next reset default settings."** is checked before pressing the "Apply Changes" button. If this control is not checked, the changes are applied to the port but the existing defaults are used whenever the module is next reset.

	Updated
Baud Rate:	115200 bits/S
Data Size:	8 bits/character
Parity:	None
Stop Bits:	1 bit(s)
Flow Control and RS485:	RS485
Local Port Number:	23 <input checked="" type="checkbox"/> Bind local port (when TCP Client)
Remote Port Number:	23
Work Mode:	TCP Server <input type="checkbox"/> None <input checked="" type="checkbox"/> Modbus TCP
TCP Server detail:	8 max, typical type
Remote Server Addr:	192.168.0.201
Timeout:	0 seconds (< 256, 0 for no timeout)
UART packet Time:	10 ms (< 256)
UART packet length:	512 chars (< 1024, 0 for no use)
Sync Baudrate(RF2217 similar):	<input checked="" type="checkbox"/>

☒ Save these as next startup default settings.

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US2000A

[Logout](#)

- 1. [Current config and status](#)
- 2. [Port0 settings](#)
- 3. [Port1 settings](#)
- 4. [Web to Serial](#)
- 5. [Miscellaneous settings](#)

Port 0 Settings

The current settings for port 0 may be changed using the form below. To make the new settings apply each time the S2E module is reset, ensure that **"Save these as next reset default settings."** is checked before pressing the "Apply Changes" button. If this control is not checked, the changes are applied to the port but the existing defaults are used whenever the module is next reset.

Updated	
Baud Rate:	115200 bits/S
Data Size:	8 bits/character
Parity:	None
Stop Bits:	1 bit(s)
Flow Control and RS485:	RS485
Local Port Number:	23 <input checked="" type="checkbox"/> Bind local port (when TCP Client)
Remote Port Number:	23
Work Mode:	TCP Server <input type="checkbox"/> None <input type="checkbox"/> Modbus TCP
TCP Server detail:	8 max, typical type
Remote Server Addr:	192.168.0.20 extended 1 extended 2
Timeout:	0 seconds (< 256, 0 for no timeout)
UART packet Time:	10 ms (< 256)
UART packet length:	512 chars (< 1024, 0 for no use)
Sync Baudrate(RF2217 similar):	<input checked="" type="checkbox"/>

☒ Save these as next startup default settings.

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US2000A

[Logout](#)

- 1. [Current config and status](#)
- 2. [Port0 settings](#)
- 3. [Port1 settings](#)
- 4. [Web to Serial](#)
- 5. [Miscellaneous settings](#)

Port 1 Settings

The current settings for port 1 may be changed using the form below. To make the new settings apply each time the S2E module is reset, ensure that **"Save these as next reset default settings."** is checked before pressing the "Apply Changes" button. If this control is not checked, the changes are applied to the port but the existing defaults are used whenever the module is next reset.

Baud Rate:	115200	bits/S
Data Size:	8	character
Parity:	None	
Stop Bits:	1	
Flow Control and RS485:	None	
Local Port Number:	1200	<input checked="" type="checkbox"/> Bind local port (when TCP Client)
Remote Port Number:	300	
Work Mode:	TCP Server	None Modbus TCP
TCP Server detail:	8	max, typical type
Remote Server Addr:	192.168.0.201	
Timeout:	0	seconds (< 256, 0 for no timeout)
UART packet Time:	10	ms (< 256)
UART packet length:	512	chars (< 1024, 0 for no use)
Sync Baudrate(RF2217 similar):	<input checked="" type="checkbox"/>	

☒ Save these as next startup default settings.

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[WWW.USCONVERTERS.COM](http://www.usconverters.com)

100%

The screenshot shows a web browser window with the address bar displaying `http://192.168.0.7/login.cgi?user=admin&pass=`. The page title is "US2000A". In the top right corner, there is a "Logout" link. On the left side, there is a navigation menu with the following items:

- 1. Current config and status
- 2. Port0 settings
- 3. Port1 settings
- 4. Web to Serial
- 5. Miscellaneous settings

The main content area is titled "Port 1 Settings". Below the title, there is a paragraph of text: "The current settings for port 1 may be changed using the form below. To make the new settings apply each time the S2E module is reset, ensure that **'Save these as next reset default settings.'** is checked before pressing the 'Apply Changes' button. If this control is not checked, the changes are applied to the port but the existing defaults are used whenever the module is next reset."

The settings form includes the following fields:

- Baud Rate: 57600 bits/S
- Data Size: 8 bits/character
- Parity: None
- Stop Bits: 1 bit(s)
- Flow Control and RS485: RS485
- Local Port Number: 26 ☒ Bind local port (when TCP Client)
- Remote Port Number: 26
- Work Mode: TCP Server ☒ None ☒ Modbus TCP
- TCP Server detail: 8 max, typical type
- Remote Server Addr: 192.168.0.201
- Timeout: 0 seconds (< 256, 0 for no timeout)
- UART packet Time: 10 ms (< 256)
- UART packet length: 512 chars (< 1024, 0 for no use)
- Sync Baudrate(RF2217 similar): ☒

At the bottom of the form, there is a "Submit" button and a checkbox labeled "Save these as next startup default settings." which is checked.

At the bottom of the page, there is a footer with the text "U.S. Converters LLC" and "WWW.USCONVERTERS.COM".

The screenshot shows a web browser window with the address bar displaying `http://192.168.0.7/login.cgi?user=admin&pass=`. The page title is "US2000A". In the top right corner, there is a "Logout" link. On the left side, there is a navigation menu with the following items:

- 1. Current config and status
- 2. Port0 settings
- 3. Port1 settings
- 4. Web to Serial
- 5. Miscellaneous settings

The main content area is titled "Port 1 Settings". Below the title, there is a paragraph of text: "The current settings for port 1 may be changed using the form below. To make the new settings apply each time the S2E module is reset, ensure that **'Save these as next reset default settings.'** is checked before pressing the 'Apply Changes' button. If this control is not checked, the changes are applied to the port but the existing defaults are used whenever the module is next reset."

The settings form includes the following fields and options:

Updated	
Baud Rate:	115200 bits/S
Data Size:	8 bits/character
Parity:	None
Stop Bits:	1
Flow Control and RS485:	Mark Space
Local Port Number:	26 <input checked="" type="checkbox"/> Bind local port (when TCP Client)
Remote Port Number:	26
Work Mode:	TCP Server <input type="checkbox"/> None <input type="checkbox"/> Modbus TCP
TCP Server detail:	8 max, typical type
Remote Server Addr:	192.168.0.201
Timeout:	0 seconds (< 256, 0 for no timeout)
UART packet Time:	10 ms (< 256)
UART packet length:	512 chars (< 1024, 0 for no use)
Sync Baudrate(RF2217 similar):	<input checked="" type="checkbox"/>

At the bottom of the form, there is a "Submit" button and a checkbox labeled "Save these as next startup default settings." which is checked.

At the bottom of the page, the text "U.S. Converters LLC" and "WWW.USCONVERTERS.COM" is displayed.

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WWW.USCONVERTERS.COM

US2000A

[Logout](#)

- 1. [Current config and status](#)
- 2. [Port0 settings](#)
- 3. [Port1 settings](#)
- 4. [Web to Serial](#)
- 5. [Miscellaneous settings](#)

Port 1 Settings

The current settings for port 1 may be changed using the form below. To make the new settings apply each time the S2E module is reset, ensure that **"Save these as next reset default settings."** is checked before pressing the "Apply Changes" button. If this control is not checked, the changes are applied to the port but the existing defaults are used whenever the module is next reset.

Updated	
Baud Rate:	115200 bits/S
Data Size:	8 bits/character
Parity:	None
Stop Bits:	2 bit(s)
Flow Control and RS485:	RS485
Local Port Number:	26 <input checked="" type="checkbox"/> Bind local port (when TCP Client)
Remote Port Number:	26
Work Mode:	TCP Server <input type="checkbox"/> None <input type="checkbox"/> Modbus TCP
TCP Server detail:	8 max, typical type
Remote Server Addr:	192.168.0.201
Timeout:	0 seconds (< 256, 0 for no timeout)
UART packet Time:	10 ms (< 256)
UART packet length:	512 chars (< 1024, 0 for no use)
Sync Baudrate(RF2217 similar):	<input checked="" type="checkbox"/>

☒ Save these as next startup default settings.

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The screenshot shows a web browser window with the address bar displaying `http://192.168.0.7/login.cgi?user=admin&pass=`. The page title is "US2000A". In the top right corner, there is a "Logout" link. On the left side, there is a navigation menu with the following items:

- 1. Current config and status
- 2. Port0 settings
- 3. Port1 settings
- 4. Web to Serial
- 5. Miscellaneous settings

The main content area is titled "Port 1 Settings". Below the title, there is a paragraph of text: "The current settings for port 1 may be changed using the form below. To make the new settings apply each time the S2E module is reset, ensure that **'Save these as next reset default settings.'** is checked before pressing the 'Apply Changes' button. If this control is not checked, the changes are applied to the port but the existing defaults are used whenever the module is next reset."

The settings form includes the following fields and options:

Updated	
Baud Rate:	115200 bits/S
Data Size:	8 bits/character
Parity:	None
Stop Bits:	None
Flow Control and RS485:	Hardware RS485
Local Port Number:	26 <input checked="" type="checkbox"/> Bind local port (when TCP Client)
Remote Port Number:	26
Work Mode:	TCP Server <input type="checkbox"/> None <input type="checkbox"/> Modbus TCP
TCP Server detail:	8 max, typical type
Remote Server Addr:	192.168.0.201
Timeout:	0 seconds (< 256, 0 for no timeout)
UART packet Time:	10 ms (< 256)
UART packet length:	512 chars (< 1024, 0 for no use)
Sync Baudrate(RF2217 similar):	<input checked="" type="checkbox"/>

At the bottom of the form, there is a "Submit" button and a checkbox labeled "Save these as next startup default settings." which is checked.

At the bottom of the page, the text "U.S. Converters LLC" and "WWW.USCONVERTERS.COM" is displayed.

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US2000A

[Logout](#)

- 1. [Current config and status](#)
- 2. [Port0 settings](#)
- 3. [Port1 settings](#)
- 4. [Web to Serial](#)
- 5. [Miscellaneous settings](#)

Port 1 Settings

The current settings for port 1 may be changed using the form below. To make the new settings apply each time the S2E module is reset, ensure that **"Save these as next reset default settings."** is checked before pressing the "Apply Changes" button. If this control is not checked, the changes are applied to the port but the existing defaults are used whenever the module is next reset.

	Updated
Baud Rate:	115200 bits/S
Data Size:	8 bits/character
Parity:	None
Stop Bits:	1 bit(s)
Flow Control and RS485:	RS485
Local Port Number:	5777 Bind local port (when TCP Client)
Remote Port Number:	
Work Mode:	TCP Server
TCP Server detail:	None Modbus TCP
Remote Server Addr:	
Timeout:	0 seconds (< 256, 0 for no timeout)
UART packet Time:	10 ms (< 256)
UART packet length:	512 chars (< 1024, 0 for no use)
Sync Baudrate(RF2217 similar):	<input checked="" type="checkbox"/>

☒ Save these as next startup default settings.

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[Logout](#)

- 1. [Current config and status](#)
- 2. [Port0 settings](#)
- 3. [Port1 settings](#)
- 4. [Web to Serial](#)
- 5. [Miscellaneous settings](#)

Port 1 Settings

The current settings for port 1 may be changed using the form below. To make the new settings apply each time the S2E module is reset, ensure that **"Save these as next reset default settings."** is checked before pressing the "Apply Changes" button. If this control is not checked, the changes are applied to the port but the existing defaults are used whenever the module is next reset.

Updated	
Baud Rate:	115200 bits/S
Data Size:	8 bits/character
Parity:	None
Stop Bits:	1 bit(s)
Flow Control and RS485:	RS485
Local Port Number:	26 <input checked="" type="checkbox"/> Bind local port (when TCP Client)
Remote Port Number:	26
Work Mode:	TCP Server <input type="checkbox"/> None <input checked="" type="checkbox"/> Modbus TCP
TCP Server detail:	8 max, typical type
Remote Server Addr:	192.168.0.201
Timeout:	0 seconds (< 256, 0 for no timeout)
UART packet Time:	10 ms (< 256)
UART packet length:	512 chars (< 1024, 0 for no use)
Sync Baudrate(RF2217 similar):	<input checked="" type="checkbox"/>

☒ Save these as next startup default settings.

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[Logout](#)

- 1. [Current config and status](#)
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- 3. [Port1 settings](#)
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Port 1 Settings

The current settings for port 1 may be changed using the form below. To make the new settings apply each time the S2E module is reset, ensure that **"Save these as next reset default settings."** is checked before pressing the "Apply Changes" button. If this control is not checked, the changes are applied to the port but the existing defaults are used whenever the module is next reset.

Updated	
Baud Rate:	115200 bits/S
Data Size:	8 bits/character
Parity:	None
Stop Bits:	1 bit(s)
Flow Control and RS485:	RS485
Local Port Number:	26 <input checked="" type="checkbox"/> Bind local port (when TCP Client)
Remote Port Number:	26
Work Mode:	TCP Server <input type="checkbox"/> None <input type="checkbox"/> Modbus TCP
TCP Server detail:	8 max, typical type
Remote Server Addr:	192.168.0.20 extended 1 extended 2
Timeout:	0 seconds (< 256, 0 for no timeout)
UART packet Time:	10 ms (< 256)
UART packet length:	512 chars (< 1024, 0 for no use)
Sync Baudrate(RF2217 similar):	<input checked="" type="checkbox"/>

☒ Save these as next startup default settings.

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The screenshot shows a web browser window with the address bar displaying `http://192.168.0.7/login.cgi?user=admin&pass=` and the page title `US2000A`. The browser's menu bar includes `File`, `Edit`, `View`, `Favorites`, `Tools`, and `Help`. The page header features the `U.S. CONVERTERS LLC` logo and the URL `WWW.USCONVERTERS.COM` on the left, the title `US2000A` in the center, and a `Logout` link on the right.

A left sidebar contains a navigation menu with five items: `1. Current config and status`, `2. Port0 settings`, `3. Port1 settings`, `4. Web to Serial`, and `5. Miscellaneous settings`. The `Web to Serial` item is highlighted.

The main content area is titled `Send data to Serial from WEB`. It includes a `Choose UART Port:` section with two radio buttons: `UART0` (selected) and `UART1`. Below this is a text input field containing `www.usconverters.com` and a `send` button. Two checkboxes are present: `Operation in HEX mode` and `Auto Read every 1 Seconds`, both of which are unchecked.

A set of buttons for data entry is arranged in three rows: `up`, `down`, `left`, `right`, and `enter` in the first row; `n1`, `n2`, `n3`, `n4`, and `n5` in the second row; and `n6`, `n7`, `n8`, `n9`, and `n0` in the third row.

A note states: `Note: Max send 32 bytes one time.`

Below the note is a `Receive window:` section featuring a large text area for displaying received data. At the bottom of this section are `read` and `clear` buttons.

The browser's status bar at the bottom right shows a zoom level of `100%`.

The screenshot shows the US2000A web interface in a browser window. The address bar shows the URL: `http://192.168.0.7/login.cgi?user=admin&pass=`. The page title is "US2000A". The interface includes a sidebar with navigation links: "1. Current config and status", "2. Port0 settings", "3. Port1 settings", "4. Web to Serial", and "5. Miscellaneous settings". The main content area is divided into four sections:

- IP Address Selection:** Contains fields for "Address Type" (Static IP), "Static IP Address" (192.168.0.7), "Subnet Mask" (255.255.255.0), and "Default Gateway" (192.168.0.1). An "Update Settings" button is present.
- Password Settings:** Contains fields for "User name" (admin) and "Pass word" (admin). A "Change Password" button is present.
- General Configuration Settings:** Contains fields for "Module Name" (US2000A), "UPnP port number" (6432), "HTTP server port number" (80), "Module Id(use for identify module)" (1), "Module Id type(0:no use,1:send id when connect,2:send id when send data,3:both)" (0), and "MAC Address" (d8-b0-4c-00-3c-14). An "Update Settings" button is present.
- Restore Factory Defaults:** Contains two buttons: "Restore Defaults" and "Restart Module".

The footer of the page displays "U.S. Converters LLC" and "WWW.USCONVERTERS.COM". The browser window shows a zoom level of 100%.

The screenshot displays the US2000A web interface in a browser window. The address bar shows the URL `http://192.168.0.7/login.cgi?user=admin&pass=`. The page title is "US2000A". A "Logout" link is visible in the top right corner. On the left, a navigation menu lists: 1. Current config and status, 2. Port0 settings, 3. Port1 settings, 4. Web to Serial, and 5. Miscellaneous settings.

IP Address Selection

Address Type: ☐ DHCP/AutoIP ☒ Static IP

Static IP Address:

Subnet Mask:

Default Gateway:

Password Settings

User name:

Pass word:

General Configuration Settings

Module Name:

UPnP port number:

HTTP server port number:

Module Id(use for identify module): (1~65535)

Module Id type(0:no use,1:send id when connect,2:send id when send data,3:both): (0/1/2/3)

MAC Address:

Restore Factory Defaults

Restore all options to their factory default states:

Restart module:

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