# WEB CONSOLE CONFIGURATION



## IN THIS CHAPTER...

Initial Connection
Device Info Page
Network Settings
Operating Settings
For Modbus RTU/ASCII Master to Modbus TCP Servers (Slaves)
For Modbus TCP Master (Client) Device to Modbus RTU/ASCII Slave Devices
Serial Settings
Agent Settings
Gateway Settings
Message List
Data in Gateway Memory
Import/Export
Export
Import
Upgrade Firmware
Change Password
Load Factory Default
Reboot

## **INITIAL CONNECTION**

The gateway is configured through a web console, which is accessed using any web browser.

The default management interface access is:

- IP address: 192.168.0.249 (if connecting at port E1) or 192.168.1.249 (if connecting at port E2)
- Port: 80
- Username: admin
- Password: admin



NOTE: SGW-MB1511-T and SGW-MB1512-T have one Ethernet port (E1); SGW-MB1524-T has two Ethernet ports (E1 & E2).

For initial setup, the PC used to connect to the *STRIDE*<sup>®</sup> Modbus Gateway must have an IP address that allows it to connect to the device's default IP address. The Modbus gateway's IP address can be changed later within the web console.

NOTE: The Modbus gateway's web console supports the latest version of all modern browsers.

In your browser, type the gateway's IP address (192.168.0.249 or 192.168.1.249) in the address field and press Enter. When prompted by a dialog box, enter the default Username and Password.

Ē	-5 💌	Gateway	web manager	· × +	$\sim$			-		×
$\leftarrow$	$\rightarrow$	Ö	192.168.0.24	<b>19</b> /login_v3.	5.html	□ ☆	₽	l_	È	
										^
				C	<b>1</b>					
				Sti	<b>X</b> CI	e				
		7	User Name : ad	min						
			Password : ad	min		0				
						Sign in				
					_					

After logging in, you will be presented with the device's overview page.



SECURITY NOTE: We recommend that you change the login password and enable HTTPS ecryption for additional security. These settings are found on the Change Password page as described later in this chapter.

## **DEVICE INFO PAGE**

The Device Information page displays a summary of information to identify the gateway.

The device name is configured on the Network Settings page. The device name helps users distinguish between multiple gateways.

The serial number ("SN"), model type and MAC address(es) are not configurable. These are characteristics of the individual gateway and may help distinguish between multiple gateways. The values that display on this page may be compared to the values printed on the device label.

The IP address(es) are configured on the Network Settings page. IP addresses must be unique on the network.

You can switch the device between Agent mode and Transparent mode by clicking the "Agent Mode" (or "Transparent Mode") button. The button toggles the gateway immediately between the two operating modes without requiring further confirmation. The menu in the left column will update to reflect options relevant to the current mode of operation.

			Stride			Exit
Device Information			Device In	formation		Help
Network Settings     Operating Settings     Serial Settings     Import/Export     Longrade Erroware	Device Name Model Type IP(E1)	SGW-MB1524-T MB-Gateway 192.168.0.249		SN Firmware Version MAC(E1)	K10A0004A180100036 V3.5.019 00:1E:CD:1B:FA:15	
Change Password     Load Factory Default     System Reboot     Data Diagnostics	IP(E2)	192.168.1.249 Transparent Mode		MAC(E2)	00:1E:CD:1B:FA:16	
	4					

Device Info screen with gateway in Transparent mode:

#### Device Info screen with gateway in Agent mode:

		S	tride		Exit
					Help
Device Information			Device Information		
Network Settings     Operating Settings	Device Name	SGW-MB1524-T	SN	K10A0004A180100036	
Serial Settings	Model Type	MB-Gateway	Firmware Version	V3.5.019	
Agent Settings	IP(E1)	192.168.0.249	MAC(E1)	00:1E:CD:1B:FA:15	
Gateway Settings     Message List	IP(E2)	192.168.1.249	MAC(E2)	00:1E:CD:1B:FA:16	
Data in Gateway Memory					
<ul> <li>Import/Export</li> </ul>	(	Transparent Mode			
Upgrade Firmware	(	Agent Mode			
Change Password					
Load Factory Default					
System Reboot					
Data Diagnostics					

## **NETWORK SETTINGS**

The Network Settings page allows selection between DHCP and static network settings for the Ethernet port(s), with the following requirements:

- IP addresses must be unique on the network.
- On models with two Ethernet ports, the two ports may be configured on the same subnet or different subnets.
- A Default Gateway must be configured if any devices will be configured as Modbus TCP servers on a subnet different than that of the *STRIDE* gateway Ethernet port.

Click Save to save the current changes to the unit before leaving this screen.

$\leftrightarrow$ $\rightarrow$ Ö 192.16	8.0.249/index_v3.5.html				□ ☆	ృ	h e	<b>}</b>	
			Stride				Exi	t	
							Hel	p	
Device Information			Network Settings					- 1	
Network Settings     Operating Settings		E1		E2					
Serial Settings	IP Mode	Static ~		Static ~					
Agent Settings     Gateway Settings	IP Address	192.168.0.249		192.168.1.249					
Message List	Subnet Mask	255.255.255.0		255.255.255.0					
Data in Gateway Memory	Default Gateway	Default Gateway		Default Gateway					
Upgrade Firmware									
Change Password									
Load Factory Default     System Report			Device Name						
Data Diagnostics	Device Name	SGW-MB1524-T							
			Save						
	5						_	`	

Default Network Settings:

- IP configuration: Static
- IP address: E1 192.168.0.249; E2 192.168.1.249
- Subnet Mask: 255.255.255.0
- Default Gateway: no value

NOTE: SGW-MB1511-T and SGW-MB1512-T have one Ethernet port; SGW-MB1524-T has two Ethernet ports.



NOTE: You may lose communications with the STRIDE Gateway module if you configure an IP address and/or Subnet Mask that is not compatible with the subnet of your PC's Network Interface Card. You may be required to change the subnet settings of your PC.

**Device Name:** 

• The default gateway name is the model number. You can set the name, limited to 16 alphanumeric characters or special characters dash ( - ) or underline ( \_ ). The gateway name is used for reference and identification when managing several different gateway modules on a network.



## **OPERATING SETTINGS**

The Operating Settings page is where each serial interface's operation mode is configured.

The Serial Port Mode field describes the function of each serial port on the Gateway.

Each serial port can independently function as a master (communicating with up to 128 serial slave devices) or as a slave (communicating with a serial master device), using either RTU or ASCII protocols.

The Operating Settings page exposes different settings depending on whether each port is operating as a master (with Modbus TCP master device (client) and Modbus RTU/ASCII slave devices) or as a slave (with a Modbus RTU/ASCII master device and Modbus TCP slave devices (servers)).

## FOR MODBUS RTU/ASCII MASTER TO MODBUS TCP SERVERS (SLAVES)

To connect a Modbus RTU or ASCII master device to one or more Modbus TCP server (slave) devices, the gateway serial port will function as an ASCII or RTU slave.

Up to 16 Modbus TCP server devices can be configured. Devices can be added or removed from the list using the green + or red - buttons, respectively. The Slave ID, IP address and remote port of each Modbus TCP server device on the Ethernet ports must be configured. Additionally, the Ethernet protocol, TCP or UDP, of each Modbus TCP server device must be configured. A Default Gateway must be configured on the Network Settings page if any devices will be configured as Modbus TCP servers on a subnet different than that of the STRIDE Gateway Ethernet port.

For SGW-MB1524-T, which has two Ethernet ports, when the gateway's serial port is operating as an RTU or ASCII slave the Ethernet port through which each TCP server can be reached must be selected in the Ethernet Port Bind field.

$\leftrightarrow$ $\rightarrow$ O	192.168.0	249/index_v3.5.html						<u>⊨</u> <i>L</i>	Ŕ	
				<b>Stride</b>					Exit	
								[	Help	
Device Information				Operating	Settings					
Network Settings     Operating Settings		S1		S2	\$3		S4			
Serial Settings     Import/Export		Serial Port Mode	RTU Slave $\lor$							
Upgrade Firmware		Slave ID	Remote IP	Remote Port	Protocol	Local Port	Ethernet Port Bind			
Change Password		148	192.168.0.226	502	TCP 🗸	NA	E1 ~	+ -		
<ul> <li>Load Factory Default</li> <li>System Reboot</li> </ul>		149	192.168.0.226	502	TCP 🗸	NA	E1 ~	+ -		
Data Diagnostics		150	192.168.0.226	502	TCP 🗸	NA	E1 ~	+ -		
		151	192.168.0.226	502	TCP 🗸	NA	E1 ~	+ -		
				Sav	re				_	

#### Gateway Operating Settings:

- Serial Port Mode: RTU Slave or ASCII Slave
- Slave ID: set the ID to match each Modbus TCP server (slave)
- Remote IP: enter the IP address of each Modbus TCP server (slave). A Default Gateway must be configured on the Network Settings page if any devices will be configured as Modbus TCP servers on a subnet different than that of the STRIDE gateway Ethernet port.
- Remote Port: enter the port number for each Modbus TCP server (slave). Each server must have a unique port number. This is a TCP or UDP port that will identify the server in the Modbus TCP packet.
- Protocol: select TCP or UDP
- Local Port: For UDP, this is the source port that will identify communication traffic for each slave ID. For TCP traffic the source port is automatically determined.

• Ethernet Port Bind: select Ethernet port E1 or E2 (model SGW-MB1524-T only). The Ethernet Port Bind is used by the Gateway when the Modbus TCP device IP address is not on the same subnet as the Gateway IP address.

NOTE: Remember to click the SAVE button before you leave this page or switch to another serial port tab. Leaving the page or selecting another serial port before saving changes will cancel changes.

## FOR MODBUS TCP MASTER (CLIENT) DEVICE TO MODBUS RTU/ASCII SLAVE DEVICES

To connect a Modbus TCP client (master) device to one or more Modbus RTU or ASCII slave devices, the gateway serial port will function as an ASCII or RTU master.

In that case, the Ethernet Protocol (TCP or UDP) and Gateway Modbus TCP Port to associate with the serial port must be configured. When multiple serial ports are set as RTU Masters, a unique Gateway Modbus TCP port must be assigned to each serial port in order to differentiate the serial networks. For SGW-MB1524-T, a Modbus TCP client attached to either Ethernet port can communicate to RTU/ASCII slaves on the serial port using the configured Modbus TCP Port.

The Filter option will eliminate Slave ID numbers from the processed traffic when enabled. To enable the filter feature, check the Filter Enable box and enter the starting number and ending number of the nodes that should never appear in messages that will be processed.

$\leftrightarrow$ $\rightarrow$ $\circlearrowright$ 192.16	8.0.249/index_v3.5.html				•	1= l~	<i>Ŀ</i> ?	•••			
		St	de				Exit				
	Help										
Device Information			Operating Settin	igs							
Network Settings     Operating Settings	S1	\$2		\$3		S4					
Serial Settings	Serial Port Mode	RTU Master 🗸									
Gateway Settings	Filter Enable	Filter Enable									
Message List	Filter ID Start 1										
Data in Gateway Memory     Import/Export	Filter ID End	247		Ope							
Upgrade Firmware	Protocol	TCP $\sim$ (Note: In Agent mo	de, you can modify the	S1		<b>S2</b>					
Change Password	Gateway Modbus TCP Port	502	( Note: In Agent mode	Serial Port Mode	RTU Master 🔻						
Load Factory Default     System Report		1		Filter Enable							
Data Diagnostics				Filter ID Start	1						
			Filter ID End	247			1				
			Protocol TCP V				1				
Each serial port STCP port must be unique Gateway Modbus TCP Port 7002											

Gateway Operating Settings:

- Serial Port Mode: RTU Master or ASCII Master
- Filter Enable: eliminate a range of Slave IDs from communication
- Filter ID Start: set lowest Modbus Slave ID to ignore (0-247, must be  $\leq$  Filter ID End)
- Filter ID End: set highest Modbus Slave ID to ignore (0-247, must be  $\geq$  Filter ID Start)
- Protocol: select TCP or UDP (When the Modbus Gateway is in Agent Mode, the protocol is set on the Gateway Settings page.)
- Gateway Modbus TCP Port: set the TCP port number to communicate with RTU/ASCII slaves on this serial port. (When the Modbus Gateway is in Agent Mode, the Gateway Modbus TCP Port is set on the Gateway Settings page.)



NOTE: Remember to click the SAVE button before you leave this page or switch to another serial port tab. Leaving the page or selecting another serial port before saving changes will cancel changes.

## **SERIAL SETTINGS**

The Serial Setting page is where each serial port's communication parameters are configured.

		<b>Str</b> ide	Exit
Device Information     Network Settings     Operating Settings     Serial Settings     Import/Export     Upgrade Firmware     Change Password     Load Factory Default     System Reboot     Data Diagnostics	Allas Allas Baudrate Databits Stopbits Parity RTS Control RTS On Delay(ms)	Serial Settings S1 UART_1 115200 ~ 8 ~ 1 ~ None ~ Assert during transmit ~ 0	Help
	RTS Off Delay(ms)	0	
	Hardware Interface	RS-232 🗸	
	Protocol(selected on Operating Settings page)	Disabled V	
		Save	

## Serial Parameters:

• Alias: serial port alias name. This is a convenience for your reference.

The following settings must match the settings in all connected devices:

- Baudrate: 300–460800bps, the default value is 115200bps
- Databits: 7 or 8 bits. The value is locked to 8 bits for RTU or 7 bits for ASCII serial modes.
- Stopbits: 1 or 2, the default value is 1
- Parity: Odd, Even or None, the default value is None
- RTS Control: On, Assert during Transmit, or Off; the default value is On. In version 3.5.019 and newer, RTS control behaves as follows:
  - RTS Off (default) After the Gateway is powered up, the RTS signal goes false and stays false.
  - RTS On After the Gateway is powered up, the RTS signal goes true and stays true all the time.
  - Assert during transmit Although flow control is rarely required by Modbus RTU or Modbus ASCII networks, RTS control is occasionally needed for devices such as media converters and radio modems. In version 3.5.019 and newer, RTS control behaves as follows:



In this mode, the RTS signal goes to false when the Gateway is powered up. When the Gateway is ready to transmit, the RTS signal will go true. The Gateway will then wait the specified amount of time from the "RTS On Delay(ms)" field before transmitting. After transmitting all the data in that packet, the Gateway will wait the specified amount of time from the "RTS Off Delay(ms)" field before setting the RTS signal to false. This cycle is repeated every time the Gateway transmits: no matter whether the Gateway is transmitting a request (in RTU/ASCII Master mode) or transmitting a response (in RTU/ASCII Slave mode).

- Hardware Interface: RS-232, RS-485 or RS-422; the default value is RS-232
- Protocol (selected on Operating Settings Page): RTU Slave, ASCII Slave, RTU Master, ASCII Master

NOTE: In some situations, such as a high amount of electrical noise, poor cabling, etc., it may be necessary to reduce the baud rate on the gateway module AND serial devices on the network.

## **AGENT SETTINGS**

The pages grouped in the navigation tree under Agent Settings configure the gateway to work in Agent mode, and are visible only when that mode is selected.

#### **GATEWAY SETTINGS**

Configure the gateway Modbus ID, timeout, and inter-packet transmit delay.

$\leftarrow$ $\rightarrow$ O	192.168.	0.249/index_v3.5.html						v≞	l~	È	
			(	Str,	<b>X</b> de	<u>)</u>				Exit	
										Help	
Device Information					Gatev	vay Settings					
Network Settings     Operating Settings		Gateway Modbus ID	1	]							
Serial Settings		Protocol	TCP 🗸								
Agent Settings     Gateway Settings		Gateway Modbus Port	502	]							
Message List		Default Timeout(ms)	1000	]							
Oata in Gateway Memo	ory	Inter-packet TX Delay(ms)	100	1							
Import/Export     Upgrade Firmware				-							
Change Password											
Load Factory Default					[	Save					
System Reboot     Data Diagnostics											

Gateway Settings:

- Gateway Modbus ID: Unique Modbus ID assigned to the gateway to allow clients to request data from the gateway's local cache, 1–247.
- Protocol: TCP or UDP.
- Gateway Modbus Port: set the TCP port number to communicate with RTU/ASCII slaves on this serial port.
- Default timeout (ms): default timeout before retrying a data request; default is 1000ms.
- Interpacket TX delay (ms): Poll Time setting for the delay between requests polling slave devices to populate local cache; default is 100ms.



#### MESSAGE LIST

The Message List page displays a table that summarizes the data stored locally in the gateway's memory. Modbus client devices may request this data from the gateway's local cache.



NOTE: When the gateway is in Agent mode, addresses that devices will use to WRITE data into must be configured in the Message List even though conceptually this is a list of data that is READ from connected devices.

Configure and manage the message request list. A summary of configured messages is displayed, which can be filtered to display a subset of the list using the "Search" field.

From this page, messages can be added, deleted or modified.

$\leftrightarrow$ $\rightarrow$ $\circlearrowright$ 192.16	58.0.249/index_v3.	5.html						□ ☆	∑≣ <i>l</i> ~ ⊔	2
				St	ride				Ex	cit
									He	lp
Device Information     Network Settings							Add Message	Delete Message	Modify Message	
Operating Settings     Serial Settings	Display 50	$^{\lor}$ per page						Search:		
Agent Settings     Gateway Settings     Message List	Item 🔶	Serial Port	Slave ID 🔶	Alias 🔶	Function $\diamond$	Data Address	Data Length 🔶	Mapping Address He	ad 🔶 Status 🔶	
Data in Gateway Memory	1	1	1	Device_Alias	3	0	4	0	•	
Upgrade Firmware	2	2	1	Device_Alias	3	4	4	4	•	
Change Password     Load Factory Default     System Reboot	Refresh to g	et latest status.					firstpa	ge prev 1	next lastpage	
Data Diagnostics										

Each parameter of the Message List is explained in the Add Message section to follow.

A green dot in the Status column indicates that the message is successfully connected to its target device. A red dot indicates that it is not successfully connected. The web page must be manually refreshed to update the status indicator.

#### ADD MESSAGE

Clicking the "Add Message" button brings up a Message Configuration dialog box to configure a new message.

$\leftrightarrow$ $\rightarrow$ O	192.168.0.249/index_v3	5.html		□ ☆	r∕≣	l~	Ŀ	
			<b>Str</b> ide				Exit	
						I	Help	
Device Information			Message Configuration					
Network Settings		Slave Alias	Device_Alias					
Operating Settings		Serial Port	S1 ~					
Serial Settings     Agent Settings		Slave ID	1					
Gateway Settings		Function	03 Holding Register(4x) V					
Message List     Date in Cotourou Ma		Data Start Addr	Setup slave data start addr					
Import/Export	mory	Data Length	Setup slave data length					
Upgrade Firmware		Mapping Addr	Assign next available address					
Change Password								
System Reboot			Cancel					
Data Diagnostics								

Add New Message Settings:

- Slave alias: name for each device to help users recognize it more easily
- Serial port: the gateway serial port number to which the device is attached
- Slave ID: the device's Modbus node ID on the communication network
- Function: the Modbus protocol function code. Function codes are listed in the table below.
- Data Start Address: the address in the target device from which the gateway will read the data
- Data Length: the data block size the gateway will read
- Mapping Address: the location in the gateway's shared memory (cached data) from which the data will be retrieved when a Modbus TCP query is received. Ensure that this memory block does not overwrite a block configured for another message.
- Assign next available address: conveniently assigns the next available address to this request, to ensure data blocks do not overlap (overwrite).

Modbus Functions											
Modbus Function Code	Туре	Address Range	Equivalent Modicon Style Addressing	Number of Elements							
1	Read Coil	0-65535	0001-065536	1-2000							
2	Read Discrete Input	0-65535	100001-165536	1-2000							
3	Read Holding Registers	0-65535	400001-465536	1-125							
4	Read Input Registers	0-65535	300001-365536	1-125							

There are several different ways of addressing when communicating to Modbus devices. **The STRIDE®** gateways use the method of specifying a Function Code and start address as **addresses.** Another way that is very common and is seen often in AutomationDirect products is the use of the Modicon style addressing. This method employs a PLC style address that contains a Modbus memory type in the highest digit of the address followed by the offset from 1. The table above shows comparable addresses for both of these addressing styles.

#### DELETE MESSAGE

To delete a message from the list, click anywhere within the row of the message in the list, then click the "Delete Message" button. The message will be deleted immediately.

#### **MODIFY MESSAGE**

To modify an existing message from the list, click anywhere within the row of the message in the list, then click the "Modify Message" button. The Message Configuration dialog box will open, with the same options as presented when adding a new message.

#### DATA IN GATEWAY MEMORY

The Data in Gateway Memory page is available under Agent Settings when the gateway is in Agent mode. On the Data in Gateway Memory page, you may query the real-time data stored in the gateway's local cache as configured on the Message List page.

$\leftrightarrow$ $\rightarrow$ $\circlearrowright$ 192.	68.0.249/index_v3.5.html		
		Stride	Exit
Device Information     Network Settings     Operating Settings     Serial Settings	03 Holding Register(4x)	v 0	4     Data Query
Agent Settings     Gateway Settings	Gateway Memory Address	Value (decimal)	♦ Value (hexadecimal)
Message List	0	16	0×10
Data in Gateway Memory     Import/Export	1	5	0×05
Upgrade Firmware     Change Password	2	8315	0x207B
Load Factory Default     System Reboot	3	132	0x84
<ul> <li>Data Diagnostics</li> </ul>			

To query the Modbus data stored in gateway memory:

- 1) Enter the Modbus function code (shown in the previous table).
- 2) Enter the starting address to query within the selected region. The Starting Address refers to the gateway internal address (0–65535) as shown in the previous table.
- 3) Enter the number of records to retrieve (data block size). Ensure that all addresses in that block are configured in the table on the Message List page. Querying data outside of those ranges will result in invalid values displaying on this page.
- 4) Click the "Data Query" button.

The results of the data query are displayed on the Data in Gateway Memory page, and are automatically updated in realtime. This page may be useful for troubleshooting the communications network.

## **IMPORT/EXPORT**

The gateway configuration settings may all be stored to or loaded from a text file as a convenience when replacing the gateway or configuring multiple gateways with identical or similar settings.

#### Import/Export Screen

$\leftarrow$ $\rightarrow$ O	192.168	3.0.249/index_v3.5.html			□ ☆	r∕≣	l~ Ľ	<i>≩</i>
			<b>Str</b> ide				Ex	tit
							He	lp
Device Information			Import/Export					
Operating Settings		Export Config File			Export			
Serial Settings		Import Config File Choose File No file chosen			Import			
Agent Settings     Gateway Settings		Upload Status	0%					
Message List								
• Data in Gateway Mer	mory							
Import/Export     Upgrade Firmware								
Change Password								
Load Factory Default								
System Reboot								

## EXPORT

Export the configuration file to a connected PC for backup or for configuring additional gateways. The exported file can be edited by any text editor, such as Notepad++.

#### IMPORT

An exported configuration file can be used to format a replacement gateway, to format additional gateways, or the exported file can be modified and re-imported to the same gateway to revise device settings. The filename must be [the part number].txt which is the same as an exported configuration filename: SGW-MB1511-T.txt or SGW-MB1512-T.txt or SGW-MB1524-T.txt

## **UPGRADE FIRMWARE**

Occasionally firmware revisions are released to make new features available or to fix bugs.

#### Upgrade Firmware Screen

$\leftarrow \   \rightarrow \   \heartsuit$	192.168.0.	249/index_v3.5.html				•	∧_ ⊭⊒	l_	Ŀ	
			<b>St</b> r <i>i</i> de						Exit	
									Help	
Device Information			Upgrade Firmware							
Network Settings     Operating Settings		Upgrade Firmware	Choose File No file chosen		Upgrade					
Serial Settings		Upload Status	0%	]						
Agent Settings					1					
Gateway Settings     Message List										
Data in Gateway Mem	nory									
<ul> <li>Import/Export</li> </ul>										
Upgrade Firmware										
Change Password										
<ul> <li>Load Factory Default</li> </ul>										
System Reboot										

To update the firmware, click Browse to locate and select the new firmware file on your PC, then click Upgrade.

The gateway must be rebooted after firmware is upgraded in order for the new firmware to take effect.

## **CHANGE PASSWORD**

The *STRIDE*<sup>®</sup> gateways allow browser management access for the username "admin". The default password is admin. To provide an additional level of security, the password may be changed.

$\leftrightarrow$ $\rightarrow$ $\circlearrowright$ 192	.168.0.249/index_v3.5.html								ĭ∕≣	l~	Ŕ	
			S	Str	rde	, ,					Exit	
											Help	
Device Information					Chang	e Password						
Network Settings     Operating Settings	User Name	admin										
Serial Settings	Old Password	Old Password										
Agent Settings     Gateway Settings	New Password	New Password	7									
Message List	Retype Password	Retype Password										
Data in Gateway Memory	Management Security	HTTPS										
Import/Export     Upgrade Firmware	L											
Change Password												
Load Factory Default						Save						
System Reboot     Data Diagnostics												



SECURITY NOTE: HTTPS may be selected to encrypt the traffic between the browser and the gateway. When HTTPS is selected, the IP address in the browser address bar must be preceded by "https://".

For example, "https://192.168.0.249".

When a new password is entered here or HTTPS is selected, the browser will log you out of the current session and return you to the login page to login using the new password.



NOTE: Make sure to record the new password. If the password is lost, the gateway must be reset to factory defaults using the hardware reset button.



## LOAD FACTORY DEFAULT

In addition to the hardware Reset Defaults button on the top of the gateway, default settings may be loaded from the browser interface. Upon clicking the "Load Factory Default" button, the gateway will ask for confirmation of the changes then reboot in order for the change to defaults to take effect.

$\leftrightarrow$ $\rightarrow$ O	192.168	.0.249/index_v3.5.html	r∕≣	h Ŀ	• •••
		Stricle		Exit	
				Help	
Device Information		Load Factory Default			
<ul> <li>Network Settings</li> </ul>		This function will report all pattings to the factory default values. Be aware that previous pattings will be lest			
<ul> <li>Operating Settings</li> </ul>		This function will reset an settings to the factory default values, be aware that previous settings will be rost.			
<ul> <li>Serial Settings</li> </ul>					
<ul> <li>Agent Settings</li> </ul>					
Gateway Settings					
Message List		Load Factory Default			
Oata in Gateway Mer	mory				
<ul> <li>Import/Export</li> </ul>					
<ul> <li>Upgrade Firmware</li> </ul>					
<ul> <li>Change Password</li> </ul>					
<ul> <li>Load Factory Default</li> </ul>					
<ul> <li>System Reboot</li> </ul>					
Data Diagnostics					

$\leftrightarrow$ $\rightarrow$ $\circlearrowright$ 192.1	68.0.249/index_v3.5.html					${\rm V}_{\rm H}$	h e	
		Str	ide				Exit	
Device Information     Network Settings     Operating Settings     Serial Settings     Agent Settings     Gateway Settings     Messane List		This site says Do you want to restore the gat configuration? OK	eway to the Factory Default Cancel	× =vious setting	s will be lost.		Help	
				]	ŵ			

NOTE: This will reset the IP address(es), the password and the HTTPS access. If the device IP address had been previously changed, its default IP address after loading factory defaults may not be accessible by your current PC settings.

## REBOOT

The Reboot option will reboot the gateway. Rebooting here, or cycling power at the gateway itself, is required after a firmware upgrade to make the new firmware take effect. All other configuration changes are implemented without requiring a reboot.

$\leftarrow \ \rightarrow \ \heartsuit$	192.168.0.249/index_v3.5.html	•	ృ	l~ Ľ	≩
	Stride			Ex	it
				He	р
Device Information	System Reboot				
Network Settings					
<ul> <li>Operating Settings</li> </ul>					
<ul> <li>Serial Settings</li> </ul>					
Agent Settings					
Gateway Settings	Reboot				
Message List					
Oata in Gateway Me	mory				
<ul> <li>Import/Export</li> </ul>					
Upgrade Firmware					
<ul> <li>Change Password</li> </ul>					
<ul> <li>Load Factory Default</li> </ul>					
<ul> <li>System Reboot</li> </ul>					
Data Diagnostics					