The BACnet Mestek Communications Bridge ships with the following default settings:

Setting	Default Value
MAC Address	11
Device Address	11
Baud Rate (MSTP)	38400
UDP Port (IP)	47808

If necessary, the values can be changed to meet specific application requirements by following the steps below. Do not change any settings not specifically listed in this document or the bridge may no longer function properly.

 Connect a computer to the ProtoCessor using the FieldServer Toolbox application. For instructions on connecting a computer to the ProtoCessor, see the document: "Connecting a computer to a Mestek Communications Bidge". You should see the FieldServer Toolbox screen as shown in Figure 1.

6	s FieldServer Toolbox						
	FieldServer	Toolbo	DX			1	\bigcirc
	Setup Help	,				C	FieldServer
	DEVICES	÷	IP ADDRESS	MAC ADDRESS	FAVORITE	CONNECTIVITY	
Г	Mestek v1.0		192.168.1.24	00:50:4E:10:0A:30	*	•	Connect 💭
L							
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Figure 1 - FieldServer Toolbox

V2.00

2) Click the "*Connect*" button to open the browser screen.

C http://192.168.1.24/htm/fsgui.htm#2_01	D ይ - ሮ ƙsgu	× □ ► ▼ ☆ ☆ ☆		
FieldServer Technologies				
	Mestek v1.0			
A- Mestek v1.0	Status Settings Info Stats			
5- 🛄 View	Status			
···· 🔚 User Messages	Name	Value		
	Driver_Configuration	PCC1045		
	DCC_Version	V1.00a (A)		
	Kernel_Version	V6.13a (A)		
	Release_Status	Normal		
	Build_Revision	46		
	Build_Date	Tue Dec 3 09:09:31 2013 +0200		
	BIOS_Version	2.1.9		
	FieldServer_Model	ProtoCessor FFP485		
	Carrier Type	Legacy Carrier		
	Data_Points_Used	67		
	Data_Points_Max	1500		
Home HELP (F1) Contact Us	System Restart System Time Syn	ch Reset Cycle Times		

Figure 2 - FieldServer Browser Interface

3) Click on the "Setup", and then the "File Transfer" folder in the left pane of the screen.

C http://192.168.1.24/htm/fsgui.htm	m#20_OID
FieldServer Technologies	File Transfer
Mestek v1.0 Mest	Configuration Firmware General Update Configuration Update the configuration file on the device. Browse Submit
Home HELP (F1) Contact U	Retrieve Retrieve the configuration file from the device. config.csv Is System Restart

Figure 3 - FieldServer Browser Interface

- 4) Under the "Retrieve" heading, click "config.csv" and save the file in a known location on your local PC. The file can then be edited using NotePad. Other basic text editors can be used, but the file is already formatted for use in NotePad. <u>DO NOT EDIT THE FILE WITH EXCEL, IT WILL ADD EXTRA</u> FORMATING AND CORRUPT THE FILE.
- 5) To change the MAC Address, find the section titled "Common Infomation" (see Figure 4) and change the System_Node_ID field as needed. It can be changed any value from 1 to 254. The Title may be different than shown depending on which Mestek product is being used.

Mestek BACnet IP v100.csv - Notepad	<u> </u>		
File Edit Format View Help			
// Common Information	^		
// Title: 15 characters // The Bridge Name on the Network. It should be changed only if // necessary.			
<pre>// System_Node_Id: 1 - 254 (Factory Default = 11) // The BACnet MAC Address. It can be changed to meet // specific application needs. // 1 - 127 = Master/Slave Devices // 127 - 254 = Passive Slave Devices</pre>			
// Network_Number: 1 - 65534 (Factory Default = 5) // The BACnet Network Number. It can be changed // to meet specific application needs.			
Bridge, Title ,System_Node_Id ,Network_Number Mestek v1.0 ,11 ,5	▼		

Figure 4 - NotePad – Changing the MAC Address.

6) To change the UDP Port, find the section titled "Server Side Connections" (see Figure 5) and change the IP_Port field as needed. It can be changed to any value between 1 and 65535. Do no change any other field in this section.



Figure 5 - NotePad - Changing the UDP Port

7) To change the Device Address, find the section titled "Server Side Nodes" (see Figure 6) and change the Node_ID field as needed. It can be changed to any value between 1 and 4294967295. Please note that the protocol field might be Bacnet_IP on your specific bridge, do not change it. The Node_name may also be different than shown depending on which Mestek product is being used.



Figure 6 - NotePad - Changing the Device Address

8) To change the Baud Rate (BACnet MSTP only), find the section titled "Server Side Connections" (see Figure 7) and change the Baud field as needed. It can be changed to 9600, 19200, or 38400. Please note that the protocol field might be Bacnet_IP on your specific bridge, do not change it.



Figure 7 - NotePad - Changing the Baud Rate

- 9) Save all changes and exit by choosing 'Save', then 'Exit' from the File Menu.
- 10) The file can now be downloaded back to the ProtoCessor by using the browser interface. Click on the "Setup", and then "File Transfer" folders in the left pane of the FieldServer Toolbox browser screen to return to the "File Transfer" window.
- 11) Under the "*Update Configuration*" heading click the "*Browse*" button, and select the modified configuration file to be used.

12) Clicking the "Submit" button will transfer the configuration file, and prompt to reset the Protocessor as shown in Figure 8.

C http://192.168.1.24/htm/fsgui.htm#2	20_OID
	The configuration file was updated successfully
Configuration upd	late complete. Please restart the system to load the new Configuration.
FieldServer Technologies	
Navigation	File Transfer
الله المعتقد ال المعتقد المعتقد	Configuration Firmware General
 Jetup File Transfer 	
Passwords	Update Configuration
S- 🛄 View 💭 User Messages	Update the configuration file on the device.
	Mestek BACnet MSTP v100.csv (application/vnd.ms-excel) - 44739 bytes, last modified: 11/3/2014
	Submit
	Retrieve
	Retrieve the configuration file from the device.
Home HELP (F1) Contact Us	System Restart
<	>

Figure 8 - FieldServer Browser Interface - Restart

13) Clicking the "System Restart" located at the bottom of the window will display a restart confirmation window. Once "OK" is pressed the ProtoCessor will restart. When the restart is complete, communications with the Protocessor will be re-established, and the FieldServer Toolbox main screen will be displayed. The update is complete.

Control to the second s		් 🤆 FSGUI		×	••••	× * #
Navigation	Mestek v1.0					
A- Mestek v1.0	Status Settings	Info	fo Stats			
- 🚺 View	Status	Status				
🦾 🌆 User Messages	Name	Name		Value		
	Driver_Configuration	Driver_Configuration		PCC1045		
	DCC_Version		V1.00a (A)	l)		
	Kernel_Version		V6.13a (A)	<i>l</i>)		
	Release_Status	Release_Status				
	Build_Revision		46			
	Build_Date		Tue Dec 3	3 09:09:31 2013 +0200		
	BIOS_Version		2.1.9			
	FieldServer_Model	FieldServer_Model		or FFP485		
	Carrier Type	Carrier Type L		arrier		
	Data_Points_Used		67			
	Data_Points_Max		1500			
Home HELP (F1) Contact Us	System Restart Syste	m Time Syn	h Reset	Cycle Times		

Figure 9 - FieldServer Browser Interface