# LightLEEDer BACnet Module Configurations GUI

The LightLEEDer BACnet module has been shipped with an IP address of 192.168.1.24, a device instance address of 11, and an instance name of ILC\_11. These parameters can be modified to fit your facilities needs by interfacing the FieldServer GUI in the device and following the steps in this bulletin.

- 1. Connect to the LightLEEDer BACnet module Ethernet Port and your PC to a TCP/IP connected network or directly with the use of a cross-over cable.
- 2. Set your PC's IP address to the same address set and subnet as the module. Example: 192.168.1.25, Subnet mask 255.255.255.0
- 3. Open your web browser and enter IP address 192.168.1.24 to login to the device GUI. Figure 1 shows the MSA - FieldServer GUI opening screen.

Note: The product is compatible with the following web browsers:

- Chrome 19.0 and higher
- Firefox 13.0 and higher
- Opera 11.0 and higher
- Safari 4.1 and higher



4. Click on the "Continue with HTTP" button located lower right shown in Figure 1.



Figure 1 - FieldServer Opening GUI Screen

5. Next you will get a log In screen shown in Figure 2, enter "admin" and the password found on the label of the BACnet-IP device, then click "Log In". You will next get a conformation screen that allows you to continue with HTTP or go back to setting up the HTTPS security options as shown in figure 3, select "HTTP" and then "Save".



Figure 2 - Log In

Figure 3 - MSA Security Conformation



## To Change the BACnet device IP Settings

On the MSA GUI screen left click "Setup", then "Network Settings", this will open a screen where the BACnet device IP setting can be changed for the BAS system requirements as shown in Figure 4.

Navigation	Network Settings								
CN0677 ILC v1.00a • About	Network Settings								
Setup File Transfer Network Settings	ETH 1 Routing								
User Management	Enable DHCP	Network Status	Network Status						
Time Settings	IP Address	Connection Status	Connected						
> View	192.168.1.24	MAC Address	00:50:4e:18:0e:25						
User Messages	Netmask	Ethernet Tx Msgs	7,545						
Diagnostics	255.255.255.0	Ethernet Rx Msgs	6,264						
		Ethernet Tx Msgs Dropped	0						
	Gateway	Ethernet Rx Msgs Dropped	0						
	192.168.1.1								
	Domain Name Server 1 (Optional)								
	8.8.8.8								
	Domain Name Server 2 (Optional)								
	8.8.4.4								
	Cancel Save								

Figure 4 – Network Settings Screen

After changing the IP and Netmask Click on "Save"

Note: that Saving an IP Setting change takes effect immediately and the browser will lose connection to the device. Reconnect to the New IP address in the same manner as shown above to continue.

## To Change the BACnet Device Object Instance Number

The device address for this interface is held in a configuration file in the device. The configuration file needs to be retrieved from the device, adjusted, and then updated in the device. Note: This file needs to be adjusted carefully, so as not to change the format. From the navigation area on the left side of the screen, expand the "Setup" folder and then select "File Transfer". From the "Retrieve" area, click on the config.csv link to start the download of the file, and then select "Open" when prompted as shown in Figure 5 and 6.





Figure 5 – File Transfer Screen



Figure 6 – Open config.csv



The configuration file will open in MS Excel so the fields can be adjusted. Refer to Figure 7 and adjust the 2 fields to the desired node ID. Legal values are from 1 to 16777215 and must be the same for both fields.

32	//													
33	// Common I	nformation	L .											
34	//													
35														
36	Bridge													
37	Title	Syste	em_Node_Id											
38	CN0677 ILC v1	.00a	11											_
39														_
40														
02	//													
95	//========													
94	//													
95	// Server Sid	e Nodes												-
96	//													
97														
98	Nodes													
99	Node_Name	Node_ID	Protocol											
100	ILC_11	11	BACnet_IP											
101			<b>z</b>											
102	//========	r												
														_

#### Note: File row numbers in Excel may differ from what's shown in Figure 7.

Figure 7 - Configuration File Instance Address Fields (Configuration file for BACnet IP shown)

Save the file as **config.csv** in a known location, be sure to save the file in the same format.

From the "File Transfer" screen, in the "Update Configuration" area, browse to the adjusted file, and then click the "Submit" button to update the configuration file on the device.

Select the "System Restart" button to activate the new configuration in the device.

## To Change the BACnet Device Object Instance Name

The device name for this interface is held in a configuration file in the device. The configuration file needs to be retrieved from the device, adjusted, and then updated in the device. Note: This file needs to be adjusted carefully, so as not to change the format.

From the navigation area on the left side of the screen, expand the "Setup" folder and then select "File Transfer". From the "Retrieve" area, click on the config.csv link to start the download of the file, and then select "Open" when prompted as shown in Figure 6.

The configuration file will open in MS Excel so the fields can be adjusted. Refer to Figure 8 and adjust the fields in the "Server Side Mapped Descriptors" for the "Node\_Name". Up to 31 alphanumeric characters can be used for the instance name. All the "Node\_Name" fields need to be changed also, and all must match to operate correctly.



## Note: File row numbers in Excel may differ from what's shown in Figure 8.

07													
97													
98	Nodes												
99	Node_Name	Node_ID	Protocol										-
100	ILC_11	11	BACnet_IP										
101													
102	//												
103	//												
104	// Server Side Map Desc	criptors											
105	//					$\square$							
106						//							
107	Map_Descriptors				۲	4							
108	Map_Descriptor_Name	Data_Array_Name	Data_Array_	Function	Node_Name	Data_Typ	Object_ID	Relinquish	_Default				
109	Relay_01	DA_DO_01	0	Server	ILC_11	DO	1	0					
110	Relay_02	DA_DO_01	1	Server	ILC_11	DO	2	0					
111	Relay_03	DA_DO_01	2	Server	ILC_11	DO	3	0					
112	Relay_04	DA_DO_01	3	Server	ILC_11	DO	4	0					
113	Relay_05	DA_DO_01	4	Server	ILC_11	DO	5	0					
114	Relay_06	DA_DO_01	5	Server	ILC_11	DO	6	0					
115	Relay_07	DA_DO_01	6	Server	ILC_11	DO	7	0					
110	n-I 00	DA DO 01	~	C	110 11	<b>DO</b>	0	0					

Figure 8 - Configuration File Instance Name Fields

Save the file as **config.csv** in a known location, be sure to save the file in the same format.

From the "File Transfer" screen, in the "Update Configuration" area, browse to the adjusted file, and then click the "Submit" button to update the configuration file on the device.

Select the "System Restart" button to activate the new configuration in the device.



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