

APPLICATION NOTE

APP125

Revision History

Date	Author	Description
2-8-17	DEW	Changing Ethernet IP address on MAGNUM

Changing the Ethernet IP address on the MCS-MAGNUM

Any questions regarding this release, contact: support@mcscontrols.com

Micro Control Systems, Inc. 5580 Enterprise Parkway Fort Myers, Florida 33905 (239)694-0089 FAX: (239)694-0031 www.mcscontrols.com Information contained in this document has been prepared by Micro Control Systems, Inc. and is copyright © protected 2016. Copying or distributing this document is prohibited unless expressly approved by MCS. If you need to change the Ethernet IP address or subnet on the Magnum because of a conflict follow the instructions below.

A conflict usually involves the last 3 digits of the address.

You can use the MCS-KEYPAD or MCS-CONNECT to make this change.

1.1. Using MCS-CONNECT

Start by gathering the correct network information for your plant, including the Ethernet IP address and the Subnet address.

- 1. Open MCS-CONNECT
- 2. Connect to the MAGNUM or MicroMag controller that needs to be changed.
- 3. YOU MUST BE AUTHORIZED TO MAKE THIS CHANGE.
- 4. Once on the MCS-CONNECT status screen, click on the 'VIEW' tab at the stop of your screen.
- 5. Click on 'SERVICE WINDOW'

] Service		
RS485 BACN	ET Ethernet Graphics Site Info SI Diag.	
	RS485 Network	
Protocol	MCS 💌	
Address	1 -	
Baud Rate	19200 💌	
Send Comm. Changes to Controller		

6. Click on 'ETHERNET'

RS485 BACI	NET Ethernet	Graphics	Site Info	SI Diag.
Ethernet Network				
Dynamic IP?	🔾 Yes 🛛 🖲 No			
IP Address	192 168 10	144		
Subnet Mask	255 255 255	5 0		
Default Gateway	192 168 10	1		
MCS Port 5001				
HOS FOIL				
				1

- 7. Make the necessary changes and click the button "SEND COMM. CHANGES TO THE CONTROLLER.
- 8. YOU MUST 'RESET THE MAGNUM BY PUSHING THE RESET BUTTON ON THE MAGNUM.

1.2. Using MCS-KEYPAD

Determining and Changing the Network Address of a Magnum YOU MUST BE AUTHORIZED TO MAKE THIS CHANGE

1. First, at the Main Menu use the arrow keys to navigate to **Serv Tools:**

09:56	9:56 Main Menu		
-Status	-Setpoints		
-Outputs	-Serv Tools		
-Inputs	-Lckout RST		
-Alarms	-Lckout ALM		
-Graphs	-Passwords		
Help			

2. Next, press the Enter key. You will see the following:

09:56	Serv Tools		
-RS-485 N	1.		
-Ethernet N	Vetwork		
-System Info			
-Time / Date			
-Display			
	PG↑	PG↓	

3. Use the up and down arrow keys to highlight **Address:**

09:56 Ethernet Setup				
Dynam	YES			
IP Addr	IP Address			
172.16.6.209				
Back,	PG↑	PG↓		

4. Now press the Enter key. You should see something simar to the following:



 Use the up and down arrow keys to highlight NO: DHCP WILL BE DISALBED 6. Next screen will show as below:



7. Use the up and down arrow keys to highlight the IP Address:

09:56	Ethernet Setup		
Dynamic IP			
	YES		
IP Address			
172.16.6.209			
Back,	PG↑	PG↓	

8. The cursor will highlighti the first 3 characters to change: If you have a conflict change the last 3 numbers. Use the up and down arrow keys to change. Press the enter key when you have the change made.



9. Next screen will show as below:

09:56 Ethernet Setup			
Change Made			Made
172.10.0.209			
Ва	ck,	PG↑	PG↓