

# **Micro Control Systems**

APPLICATION NOTE  
APP-057

## **Setting Up an Internet Connection for the MCS-MAGNUM**

### **Revision History**

Date	Author	Description
12/04/2009	BCL	Create initial version

## Introduction

You can readily access multiple MCS-Magnums over the Internet using MCS-Connect. This will require:

1. Internet Static IP
2. Router
3. Internet Connection (Internet modem)
4. Ethernet Cables

## Setting Up

1. Program the router with the Internet Static IP. You will get this number from your Information Technology engineer. This is the number you will use over the Internet, with MCS-Connect to access the MCS-Magnum/s.
2. Program the router for DHCP, (Dynamic Host Configuration Protocol) starting at 192.168.1.50. This will allow you to set the router IP at 192.168.1.49 and leave 192.168.1.0 through 192.168.1.48 for MCS-Magnum static IP addresses. If any devices join this server, they will be assigned IP addresses starting with 192.168.1.50 and up.
3. Program the router for Port Forwarding. The router is considered the gateway from the Internet to the MCS-Magnum controller. As long as the Default Gateway in the MCS-Magnum matches the router IP, we can now access the MCS-Magnum IP through the Port address.

Example:      5001=192.168.1.1  
                 5002=192.168.1.2  
                 5003=192.168.1.3

4. Program the MCS-Magnum IP address and Port address.

Example:      MCS-Magnum#1=Port 5001(192.168.1.1)  
                 MCS-Magnum#2=Port 5002(192.168.1.2)  
                 MCS-Magnum#3=Port 5003(192.168.1.3)

5. Open up the MCS-Connect program and go to the Remote Connections. Click on IP(Internet) and input a Site Name, IP Address, and Port Range and click on Save Site. Next, click on Remote/Connect and select the tab of the unit you want to see.

