

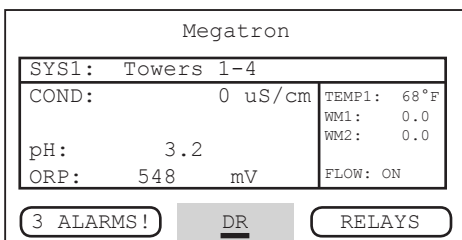
## Web Connectivity via Cell ROUTER-3 Internet

Our cell router packages are a plug and play setup. The controller CAT5 is connected to the ROUTER-3 CAT5 via a coupler. Then plug in the power cord.

### Troubleshooting (additional on back)

#### Step 1:

This is the **RUN** Screen. When the controller is communicating with our network correctly, there will be a steady DR code displayed. If the code alternates DR/DL this usually means that the cellular signal is not strong enough. The ROUTER-3 box and antenna may need to be relocated to an area of regular cell reception. CAT5 cable run over 328 ft. requires a repeater or switching appliance.



#### Other codes that may be present:

**NC** = Talking to ICM but not connected <sup>1</sup>

**DR** = DHCP Remote Connection

**DL** = DHCP Local Connection

**SR** = Static Remote Connection <sup>2</sup>

**SL** = Static Local Connection <sup>2</sup>

**FL** = DHCP Failed Local Connection <sup>3</sup>

**CS** = No communication card detected <sup>4</sup>

<sup>1</sup> Diagnostics; only shows on startup/boot

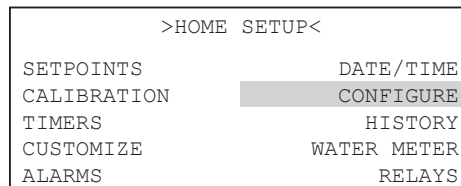
<sup>2</sup> Controller assigned a static IP (DHCP:Off) and is not needed. Enable DHCP as directed in Steps 2 through 4.

<sup>3</sup> No network detected or CAT5 cable not plugged in.

<sup>4</sup> If a card is present and you are getting CS, check that the comm card is properly seated into the carrier board. This may loosen in shipment. On MG and XS units make sure the board is seated in all the way (with power off). On SS units make sure ribbon cable for motherboard to carrier board is plugged in correctly.

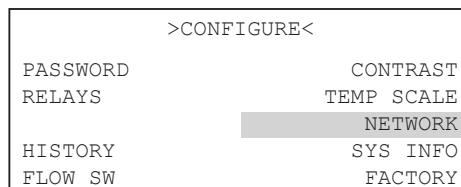
#### Step 2:

Push the **SET UP RUN** button to get this screen. From here push **CONFIGURE** (Button 7) to go to the next screen.



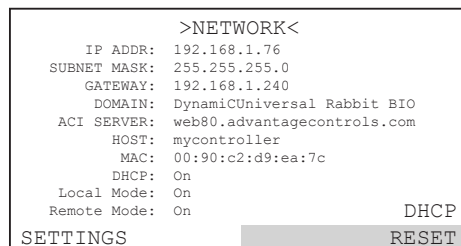
#### Step 3:

This is the Configure Screen. From here push **NETWORK** (Button 8) to go to the next screen.



#### Step 4

This is the Network Summary Screen. This screen is a summary of the currently assigned controller network settings. When connected to the cellular modem, these numbers will auto populate. Note: Any changes beyond this point require **RESET** (Button 0) to be pressed and a 60 second restart countdown will begin.



If you are getting a DR and cannot see the controller on the WebAdvantage summary screen, please check with us to see if you have submitted the connection sheet correctly. If you have not filled out the connection sheet, you can do so online at... [http://www.advantagecontrols.com/request\\_webadv\\_connect.php](http://www.advantagecontrols.com/request_webadv_connect.php)

## Additional Troubleshooting:

Open front panel of ROUTER-3 to reveal connections and LED lights.

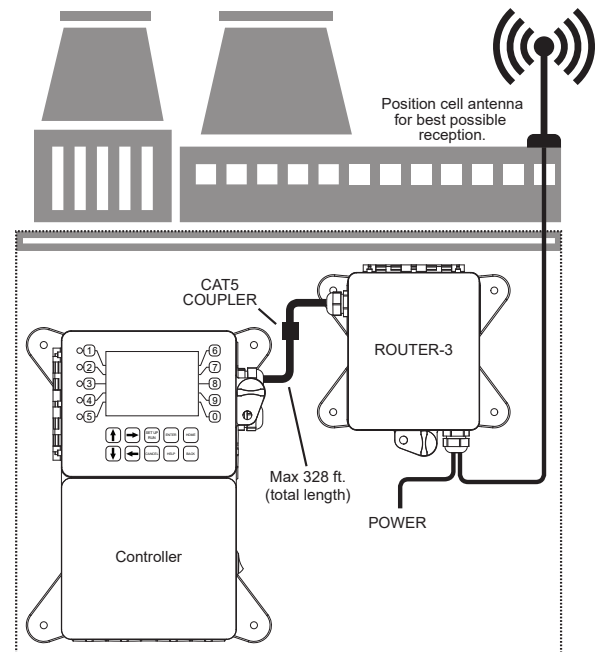
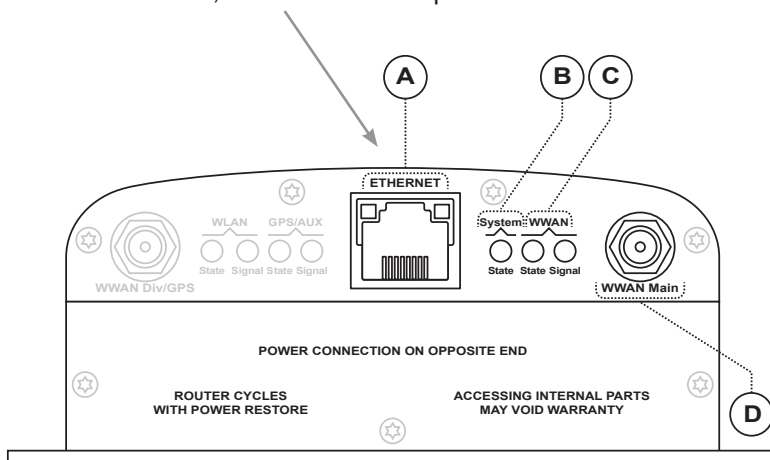
LED	Description	
A - Ethernet	Green LED *Indicates activity and connection to controller.	Solid = Valid Link Blink = Data Traffic Off = Not Connected
B - System	State LED *Indicates successful power on and device readiness.	Off = No Power Orange = Booting Red = Error Green = On
C - WWAN	State LED *Indicates WWAN or 3G interface availability and use. *Allow up to 5 minutes for the connections to WebAdvantage and the cellular network to be established.	Off = No Power Orange = On, Not Connected Red = WWAN error, possible lack of cellular service plan. Green = On, Connected Green Flashing = Data Traffic
	Signal LED *Indicates WWAN or 3G interface signal strength.	Off = No Power Orange = On, Not Connected Red = Bad Signal Strength Green = Good Signal Strength

General	Description	
D - WWAN Main	Antenna Connection *WWAN Div/GPS not used. *WLAN and GPS/AUX not used. *Antenna wire length approx. 9 ft.	<ul style="list-style-type: none"> <li>- Ensure cable is properly threaded.</li> <li>- Check for frayed or damaged wire.</li> <li>- Move to location optimal for cell reception.</li> <li>- Do not splice antenna wire to extend length. Instead, extend CAT5 up to 328 ft. max.</li> </ul>

### Note:

Please have ID number available when calling in for troubleshooting. This allows us to identify the specific line and carrier.

The ID number can be found inside of the ROUTER-3 enclosure, attached to the top of the cell router.



**Get the Advantage**



4700 Harold Abitz Dr  
Muskogee, OK 74403  
918-686-6211 phone  
918-686-6212 fax  
www.advantagecontrols.com