IC-W1 Quick Start Guide

NOTE: The IC is an indoor device. Make sure the device is placed indoors in a dry protected area. Exposure to rain and extreme weather conditions will damage the device.
Mounting on the Wall

Steps:
1. Find an appropriate location for the IC, and hold the enclosure in place.
2. Using a pen make marks through the screw mounting holes (C) on the plastic ears protruding from the enclosure.
3. NOTE: If installing on Drywall make sure you use screw anchors
4. Put the device aside, and drill a hole on each one of the marks you made.
5. Put the IC back in place and insert the screws through the mounting holes.

A. WiFi Antenna
B. Expansion Port
C. Mounting Ear
D. Ethernet Port
E. USB Port
F. Flow Sensor Port
G. Rain Sensor Port
Connecting Valve Wires

Steps:
1. If this is a replacement installation, first remove the old Sprinkler Control System, and attach the IC to the wall. Make sure the valve cables can reach the IC.
2. Identify the common cable and connect it to the “com” output.
3. Connect valves 1 through 10, to the corresponding outputs on the IC.
4. If your installation includes a master valve, connect the master valve to output #11 (“11 | MV”).
5. Connect the power cable to the IC using the “AC1” “AC2” (I) outputs using the connector provided.
6. Plug the wall transformer to a power outlet.
7. The IC should now be installed, and ready to be configured.

Connecting to the Network

When you first apply power to the IC, the IC will boot up and broadcast a WiFi SSID called “IrrigationCaddyAP”. This SSID will allow you to gain access to the unit, and configure it so that you can connect it to your own WiFi network (Router). Follow the connection steps appropriate for your platform.

Windows 7 Connection Steps

Steps:
1. Make sure the unit is plugged in.
2. Click on the network icon on the taskbar.
3. Find the “IrrigationCaddyAP” network, open it, and click on “Connect”. If “IrrigationCaddyAP” does not show right away, wait a few seconds until it shows up. You might have to repeat step 2 to refresh the networks.
2. Find the “IrrigationCaddyAP” network, and select it.

Connect Caddy to your Router

1. Once you have connected to the SSID, open a web browser and navigate to http://169.254.1.1 (You might have to wait up to 30 seconds before you are able to access the page after connecting to “IrrigationCaddyAP” SSID. Refresh the page until it connects)
2. Now you are connected to the IrrigationCaddy SSID, however the objective should be to connect the IC to your own WiFi network SSID, so that you can access the IC like any other networked device you might own.

3. On the menu bar click on “Setup” and then “Settings”

4. Open “Network Settings”, and click on the “Scan Networks” button.
5. When the scan finishes, it will display a list of available network SSIDs. Click on your preferred network SSID to connect to it.

6. If the network SSID is protected, you will be prompted to enter a passphrase. Enter the passphrase and click on “Connect to Network”.

7. The IC will then display a reconnection message, and it will reboot. When the IC reboots it will try to reconnect to the new network SSID you just selected. Now you
can reconnect your laptop/PC/portable device to the new network SSID so that you can access the IC in the new network (usually your home WiFi router).

8. To go back to the original network once again click on the network icon on the taskbar, and select your preferred network SSID, which in most cases it would be the same as the network SSID you selected for the IC.

On Windows 7:
Connect Caddy to your Router

**On MAC OS X:**
9. The IC would have rebooted, and the LCD display on it would now show a different IP address, which would have been obtained from the router you just connected it to by selecting its SSID.

10. Now you can open a Web Browser and put the IP address displayed on the ICs ICD display, in the address bar to start using the IC. (The IP shown above is an example, your IC will likely show a different IP)

Connecting Expansion Modules

The IC-W1 zone capacity can be expanded to up to 43 zones by adding expansion modules (EXP-800). The expansion modules connect into the “Expansion Port” for the IC-W1.
Reset to Factory Defaults

To reset the unit to its factory default values press the right button and the left button at the same time, and keep them pressed for 4 seconds. The unit will then reset to factory defaults and restart.
Troubleshooting

The display will say “**Resetting and Rebooting...**”, at this point you can let the buttons go.

### Troubleshooting

<table>
<thead>
<tr>
<th>Issue</th>
<th>Possible Cause</th>
</tr>
</thead>
<tbody>
<tr>
<td>“Configuration Error” is shown on the browser after trying to connect to a WiFi network (SSID)</td>
<td>The WiFi security on the router the unit is trying to connect to is not compatible.</td>
</tr>
<tr>
<td></td>
<td>The IC supports WEP40, WEP104, WPA, WPA2-Personal, but it does not support WEP64, WPA2-Enterprise or mix mode.</td>
</tr>
<tr>
<td></td>
<td>Fixes:</td>
</tr>
<tr>
<td></td>
<td>Change the WiFi security type on the router the IC is trying to connect to.</td>
</tr>
<tr>
<td>LCD Displays:</td>
<td>The password entered is incorrect.</td>
</tr>
<tr>
<td><strong>WiFi Status Deauth</strong> or <strong>WiFi Status Assoc Failure</strong></td>
<td>Another reason for this message is that the WiFi security mode on the router is set to Mix-Mode WPA+WPA2 for example.</td>
</tr>
<tr>
<td></td>
<td>Fixes:</td>
</tr>
<tr>
<td></td>
<td>Reset the unit (left + right arrow buttons for several seconds), and try reconnecting using the correct password.</td>
</tr>
<tr>
<td></td>
<td>Change the WiFi Security type to single mode, and use WPA2-Personal for example.</td>
</tr>
<tr>
<td>LCD Displays:</td>
<td>The SSID the unit is trying to connect to is not available.</td>
</tr>
<tr>
<td><strong>WiFi Status Connecting...</strong></td>
<td>Fixes:</td>
</tr>
<tr>
<td></td>
<td>Make sure the SSID the unit is trying to connect is available, and the signal strength is good.</td>
</tr>
</tbody>
</table>

**More**

The full documentation set can be downloaded at:
