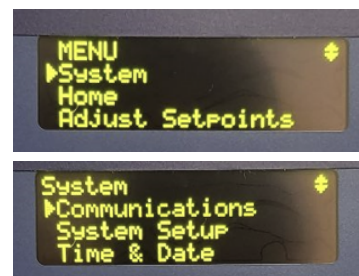


Modem Setup Instructions

This Cradlepoint modem comes pre-assembled and pre-commissioned right out of the box. Here are the instructions on how to program the controller to work with this modem.

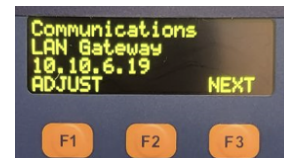
1. Install modem on wall close enough to a usable power supply.
2. Install and/or power on the microcontroller.
3. Press **MENU** on the front of the controller.
4. Use the up arrow key till you are on **System** menu and press **OK**.
5. Use the down arrow key till you are on **Communications** Menu and press **OK**.
6. Check controller network setup and adjust the values to the following: *some of these values might already be correct and not need to be changed.



	Controller 1	Controller 2	Controller 3	Controller 4	Controller 5	Controller 6	Controller 7	Controller 8
Local IP address	10.10.6.106	10.10.6.107	10.10.6.108	10.10.6.109	10.10.6.110	10.10.6.111	10.10.6.112	10.10.6.113
Web Port	80	80	80	80	80	80	80	80
Subnet mask	255.255.255.0	255.255.255.0	255.255.255.0	255.255.255.0	255.255.255.0	255.255.255.0	255.255.255.0	255.255.255.0
Lan Gateway	10.10.6.19	10.10.6.19	10.10.6.19	10.10.6.19	10.10.6.19	10.10.6.19	10.10.6.19	10.10.6.19

To change the network settings to the above values














- Use the up and down arrow keys to scroll through the **Communication** menu.
 - Find desired network setup that needs to be changed and press **F1** to **ADJUST**.
 - Use the up and down arrow keys to adjust to the above values and press **F1** to **SAVE**.
 - Continue that process until all network setup values match the above numbers.
7. Plug in modem ethernet cable to controller ethernet point, if not already done.
 8. Power up modem. Look for green lights!
 9. Wait 1-2 minutes for the modem to boot up and establish cell connection..
 10. Call Vivo Support 888-702-8486 to program vivopoint and to get the controller online.




Multiple Controllers on the same modem set up

- Each controller must have a different Local IP address. *It does not matter which controller is 1, 2, 3, 4, etc.. as long as the controllers match the Local IP address from the above chart.
Example:
 - Controller 1- Local IP address 10.10.6.106 & Lan Gateway 10.10.6.19
 - Controller 2- Local IP address 10.10.6.107 & Lan Gateway 10.10.6.19 and so on...
- Each controller must be plugged into a different ethernet port on the modem.
- When calling into VivoSupport please have available which body of water matches which controller.

Modem Troubleshooting

<p> Power: Allow 1 minute for the router to boot up.</p>	<p> Signal Strength: LED bars indicate the active modem's signal strength.</p>	<p> Embedded Modem: indicates connection status for the modem.</p>	<p> Wifi: Indicates Wi-fi Status</p>
<p> No Light= No Power. Check the power switch and the power source.</p>	<p> No Light= No signal</p> <p> 4 Solid Bars= Strongest signal</p>	<p> No Light= No connection.</p> <p> Solid Green Light= Modem has an active connection.</p>	<p> No Light= Wi-Fi is not operating.</p>
<p> Green= Power on.</p> <p> Yellow= Attention needed. Call VivoSupport.</p>	<p> 1 Blinking Bar= Weakest signal</p> <p> 4 Blinking Bars= Sim door not installed, modem off. Call VivoSupport.</p>	<p> Blinking Green= Modem is connecting.</p> <p> Solid Yellow= Modem is not active.</p> <p> Blinking Yellow= Data connection error.</p> <p> Blinking Red= Modem is in the process of resetting.</p>	<p> Solid Green= Wi-Fi is on and operating normally.</p>

<p>OTHER</p> 	<p>Troubleshooting</p> <ul style="list-style-type: none"> If the device takes longer than five minutes to connect to the Internet, log into the local UI of the device to make configuration changes(Support Needed) or to start the troubleshooting process. You must be physically co-located with the device to do this. <p>Power Cycling</p> <ul style="list-style-type: none"> Unplug the power cord from the cradlepoint and allow 30 seconds to a minute for it to reboot. Plug back in and wait 1 minute for it to reconfigure and connect to Wi-Fi
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Tips for Antenna Placement

- Make sure to place the antenna where you are able to get the best signal. *Sometimes this means outside or higher on wall. Antenna extenders are available through VivoSupport.
- Never place Antenna on metal.
- Never place Antenna on any conductive material.
- Make sure Antenna cord is complete stretched and not coiled.

IP Address: