Establishing Communication with the Pella Insynctive Bridge

First, determine whether you are interfacing to a Generation 1 or Generation 2 Pella Insynctive Bridge. The Generation 1 Bridge plugs directly into the wall outlet. The Generation 2 Bridge plugs into a Micro USB Cable and USB Power Supply.

Generation 1 Pella Insynctive Bridge

The Generation 1 Bridge has a fixed IP address of 192.168.100.121 and communication can be established on IP port 23. It may be beneficial to assign a different fixed IP address to the Pella Bridge to place it onto the same network address as the controller. It is suggested to use Telnet or Putty to communicate between a PC and the bridge to change this address. To do so, change the IP address of your PC's Ethernet port to a fixed address of 192.168.100.020 with subnet of 255.255.255.0. Establish a telnet connection with bridge at IP address 192.168.100.121 and IP port 23. Send the command provided below to bridge to set a new IP address. Commands should be terminated with a Carriage Return (<CR>) and Line Feed (<LF>.) The HEX values of these characters are $0D, $0A respectively.

The command to set a new IP address is as follows:

!BRIDGESETIP,$ddd.ddd.ddd.ddd<CR><LF>

Where, ddd are decimal digits between 000 and 255 that correspond to the desired IP address.

If successful, bridge will beep and light will flash green.

Next, connect an Ethernet cable between bridge and the controller or controller's network.
Sync Pella Insynctive products to bridge following the instructions provided in each product's Product Guide.

Generation 2 Pella Insynctive Bridge

The Generation 2 Bridge supports DHCP, so the IP address is automatically assigned by the router. Check the network to determine the IP address assigned to the Bridge. If you would like to assign a static IP address use Telnet or Putty to communicate between a PC and the bridge to change this address. To do so, establish a telnet connection with the bridge at the assigned IP address and IP port 23. Send the command provided below to bridge to set a new IP address. Commands should be terminated with a Carriage Return (<CR>) and Line Feed (<LF>.) The HEX values of these characters are $0D, $0A respectively.

The command to set a new IP address is as follows:

!BRIDGESETIP,$ddd.ddd.ddd.ddd<CR><LF>

Where, ddd are decimal digits between 000 and 255 that correspond to the desired IP address.

If successful, the bridge will beep and light will flash green.