

The HV Power Supply Manual

High voltage power supply does not have a local control. The device is software controlled via ethernet connection. The ip address was set to be 192.168.1.9. The wiring has already been done.

Please follow the steps below to control the HV module.

1. Plug in the ethernet cable (the other end is connected with the desktop at the test stand) to the up crate;
2. Turn on the power of the high voltage load box, enable both switches and press the "Reset" button, then you shall see the red warning light on;
3. Turn on the switch on the HV crate;
4. Start Labview 8.6 and open PL506_NOVA_Interface.vi, type in the IP address, click the "run" button (a white arrow on the top of the interface), then you shall see the green light on the interface on, indicating the connection has been set up;
5. Click on the HV settings tab to set the voltage for each channel;
6. Click on the monitor tab and click "on" for the channel you want to ramp up.
7. Click off to ramp down the voltage and flip the sequence to turn the whole thing off.