

HPI 6016 IP Setup

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1 Overview

On power up the configuration computer should show a desktop and launch the HPI 6016 Net Config application (Fig. 1) automatically. The application can also be launched with an icon on the desktop.

This application has exactly four controls:

Quit Either select Quit from the File menu, or press Ctrl+Q

Search Click this button to search for a connected HPI 6016, or press Ctrl+S.

Config Name A field to enter the location name when the device will be deployed (eg “BRM-11”).

Program Click or press Ctrl+P to apply the selected configuration to the detected device.

2 Process

1. First connect the device to be configured to the breakout box next to the configuration computer.
2. Click the **Search** button.
 - (a) If the search succeeds then the current IP address of the device is displayed (Fig. 2).
 - (b) If the search fails no IP address is displayed (Fig. 3).
3. Enter a **Config Name**: “LRM-##”, “BRM-##”, or “SRMI-##” then press Enter.

- (a) On Success that IP information (address, network mask, and default gateway) will be printed (Fig. 4).
 - (b) On Failure the message “Unknown name” will be shown (Fig. 5).
4. Click the **Program** button. See Figs. 6 and 7.
 - (a) On failure repeat from the **Search** step above.
5. Allow the device 10 seconds to restart with the new IP configuration.
6. To verify that the new IP address was programmed click **Search** again. The detected IP address should match the IP address for the selected configuration.
 - (a) If **Search** fails repeat after another 10 seconds. No more than 30 seconds should be required.

3 Troubleshooting

Most failures will found during the **Search** phase. The following can may resolve some failures.

1. Verify that the Moxa unit inside HPI 6016 is powered. Remove the thumb screw and cut out plate (Fig. 9). The two green LEDs must be illuminated (Fig. 10).
 - (a) Note that the Moxa unit is not switched, and will be powered whenever the HPI unit is connected to the breakout box.
2. Verify that the ethernet cable is fully seated into the computer (Fig. 11).
3. Ensure that the breakout box is powered.

Contact Michael Davidsaver or Joe De Long if **Search** continues to fail.

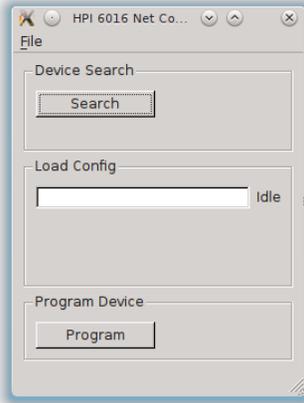


Figure 1: HPI 6016 Net Config app at startup

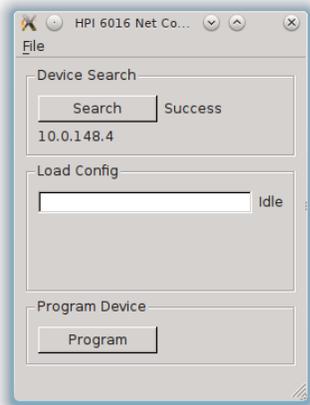


Figure 2: A successful search

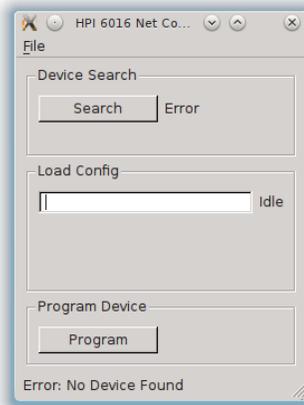


Figure 3: A failed search



Figure 4: A valid name



Figure 5: An invalid name

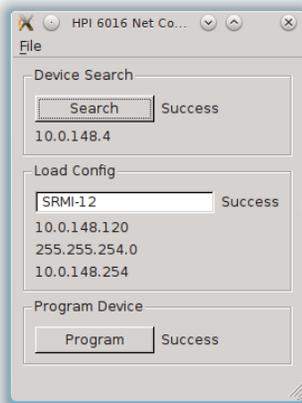


Figure 6: Programming Done

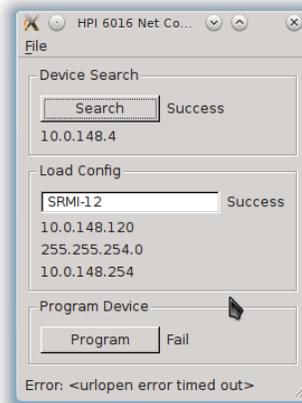


Figure 7: Could not program



Figure 8: Re-run search to verify IP configuration



Figure 9: HPI 6016 with cutout plate removed

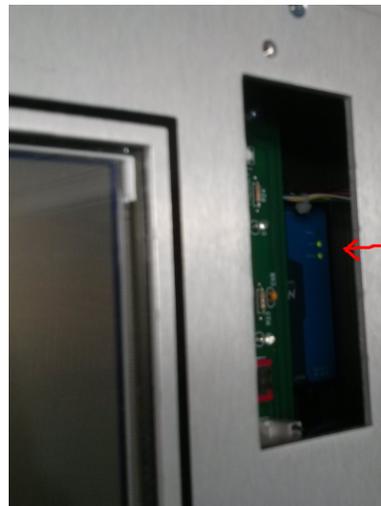


Figure 10: Moxa LEDs illuminated



Figure 11: The Cat. 6 ethernet cable