

## PSM and PPA - LAN Connection

### PSM17xx

The default IP address in the PSM17xx series units is zero or 192.168.2.10 and the LAN chip expects to be connected as a network client via DHCP (Dynamic Host Configuration Protocol) so it is not usually necessary to set the IP address manually when working on a network.

For operation directly to a PC that is not on a network, it will be necessary to use a device installer program supplied by LANTRONIX who is the manufacturer of the LAN port that we use in the PSM series.

The program is quite large so it may be easier to download it directly from the LANTRONIX website on the following link.

<http://www.lantronix.com/device-networking/utilities-tools/device-installer.html>

This program is only needed to set the PSM17xx IP address and so it is not required on every PC that may communicate with the PSM17xx.

Note: This process is best performed when DIRECTLY connecting to the PSM and not via a switch or hub

### PPA

In the PPA series, a different LAN port is used and the supplier of this device is TIBBO.

The TIBBO device has the benefit that the IP address can be set directly from the PPA front panel rather than having to use a device installer program like Lantronix.

The PPA series LAN port is pre-configured in the factory to a default IP address 192.168.0.101 and this can be changed to any required address via the REMOTE options menu on the PPA front panel.

In the event that the LAN port has not been pre-configured, this can be achieved via a PC as follows:

1. Connect to the PPA with CommVIEW using either the RS232 or USB port
2. Confirm correct connection by typing: **\*idn?**  
At this point, the PPA model, serial number and firmware level should be shown in CommView
3. Enter: **^y**  
The PPA display goes blank and within about 3 seconds, a + symbol should appear in CommView
4. Enter: **^x**  
At this point, the CommVIEW display should show -  
"Newtonson4th Ltd. on-line resident monitor for flash re-programming"
5. Enter: **^h**  
At this point, an options and configure menu should appear in CommVIEW
6. Enter: **^v**  
At this point, CommView should show the message "Please wait a few seconds" and after approximately 1 minute, the message "LAN initialised to 192.168.0.101" should appear.
7. Enter: **^[**  
At this point, the CommVIEW display should show "Monitor disabled"
8. Enter: **^u**  
At this point, the PPA should re-boot and CommView should show the letter: E

The LAN port should now be fully enabled and the IP address can be set to the customer required address from the front panel of the PPA.

Note: For users who are writing their own software based on LAN communication, the default PPA LAN 'port' address is: 10001

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