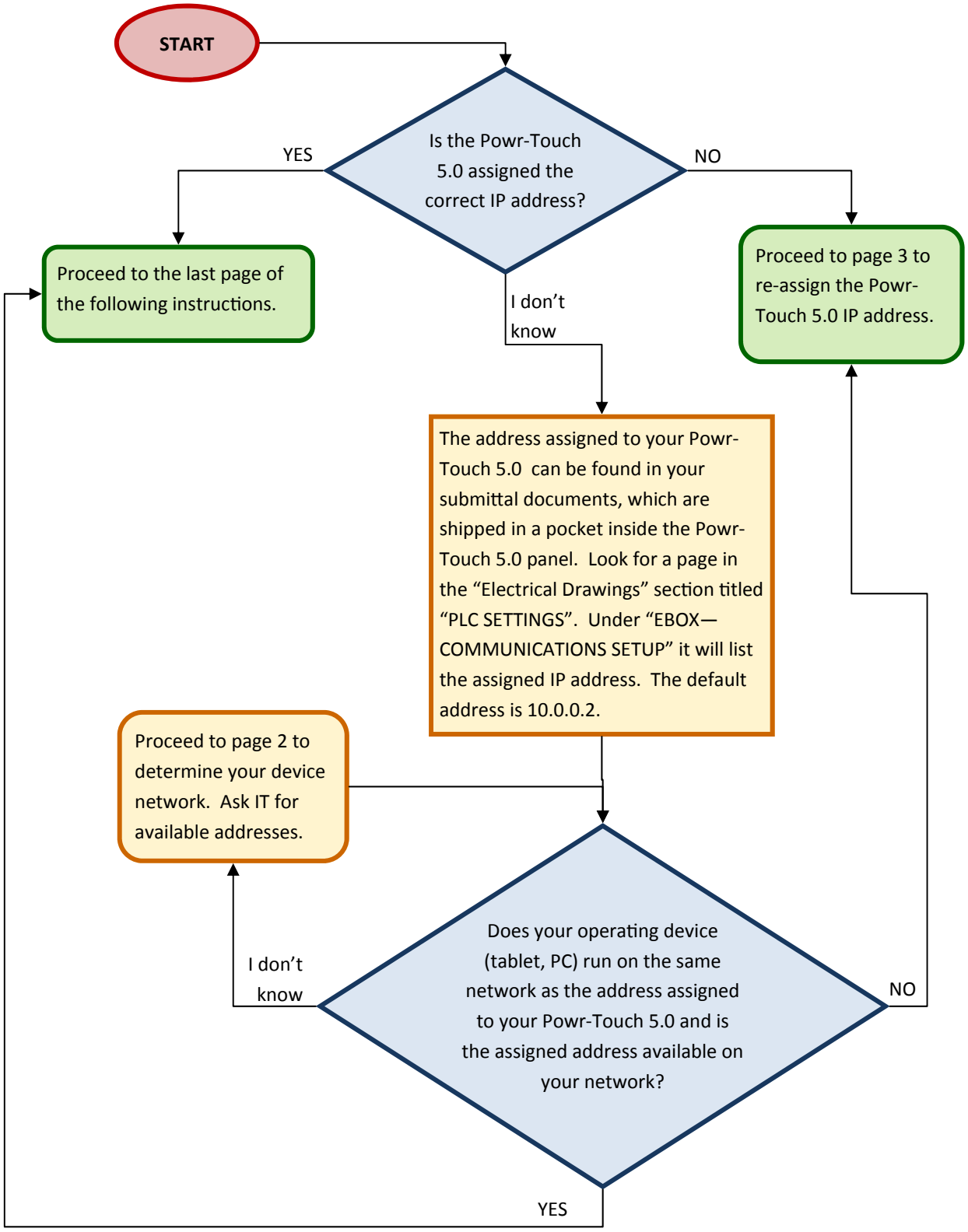
PROGRAMMING GUIDE

NO. 12800 POWR-TOUCH® 5.0 CONTROL SYSTEM



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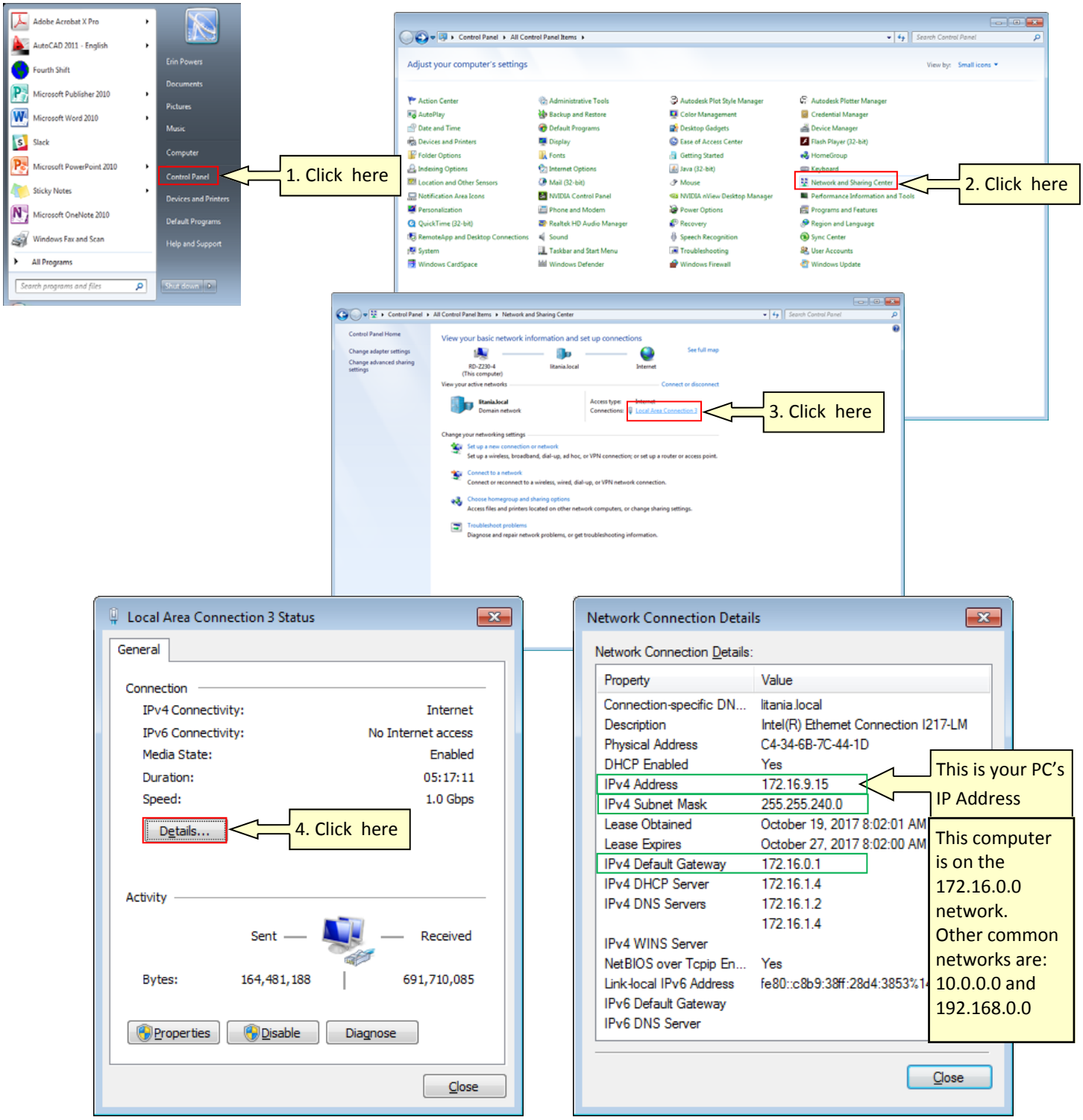
Checking your Operating Device IP Address

Find a computer connected to the network that will operate your Powr-Touch 5.0. For example, a laptop connected to the same wifi signal as the tablet that will operate the Powr-Touch 5.0 Go to your computer's network connection information.

For Windows 7, click the lower left "Start" button, then "Control Panel", then "Network and Sharing Center"

Click on the blue "Local Area Connection" for the network that has "Internet" access. Click on the "Details…" button to determine your IPv4 Address. Make a note of the numbers in the green boxes in the image on the lower right of this page. When you've recorded the numbers, close the "Details" window by clicking the "Close" button.



Re-assigning your PC IP Address

If you haven't already checked your IP address according to the previous instructions beginning on page 2, please do so now. Leave the "Local Area Connection Status" window open. Click on "Properties".

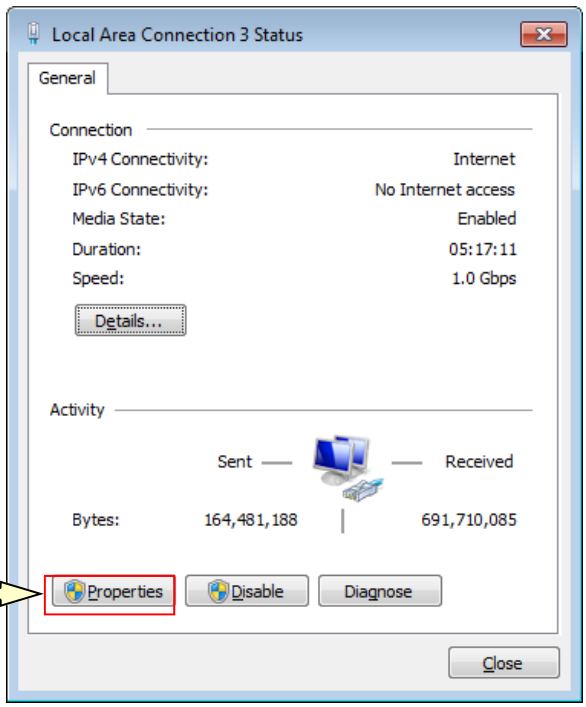
- **Re-assign your computer's IP address to be on the same network as the default ebox IP address. The default network is 10.0.0.0.**

From the "Local Area Connection Properties" window, highlight "Internet Protocol Version 4 (TCP/IPv4)" and click the "Properties" button. Select the "Use the following IP address" radio button and enter the following:

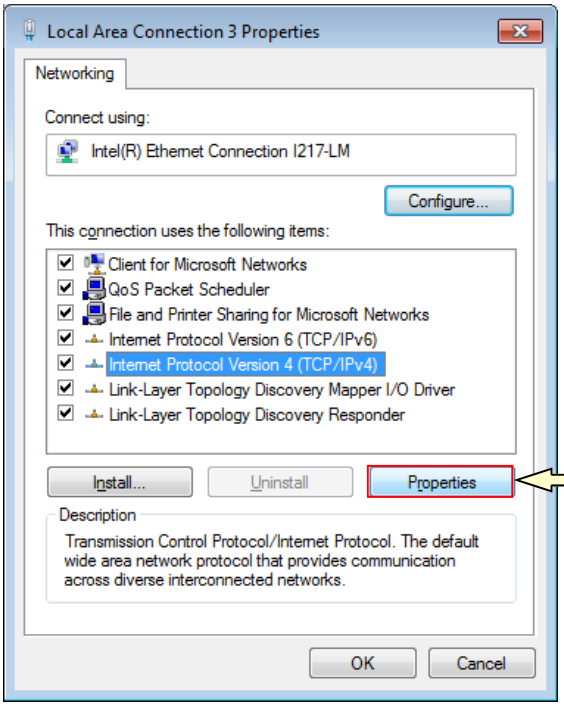
IP address:	10.	0.	0.	50
Subnet mask:	255.	255.	255.	0
Default gateway:	10.	0.	0.	1

As shown in the image to the lower right.

You can leave the "DNS server" addresses blank.

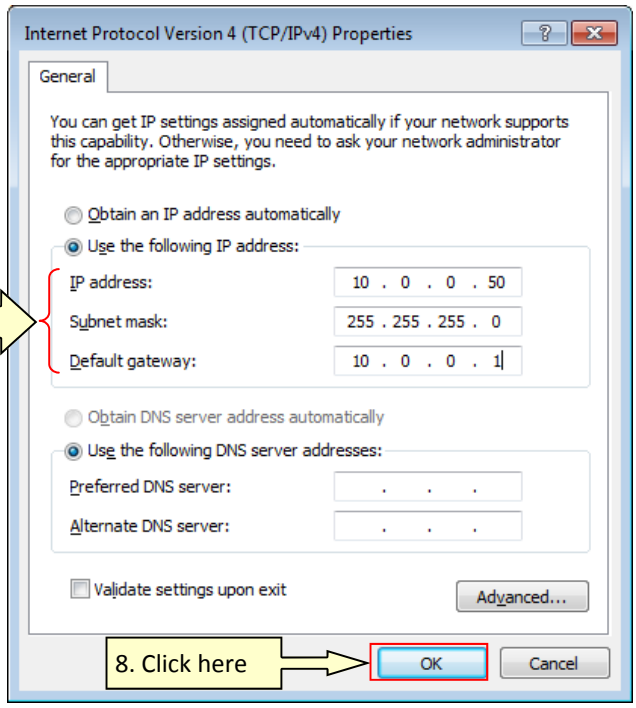


5. Click here



6. Click here

7. Type the numbers as shown.



8. Click here

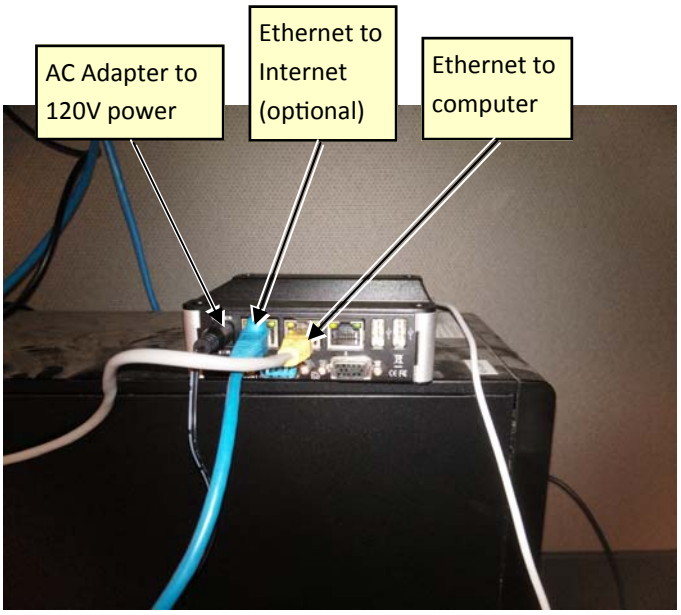
Click the "OK" button. Proceed to the following page to re-assign the ebox IP address.

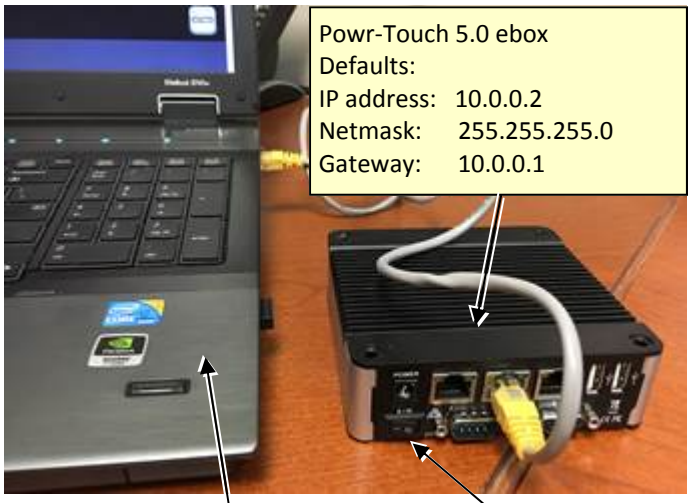
Re-assigning the ebox IP Address

- **Reassign the IP address on your Powr-Touch 5.0 ebox**

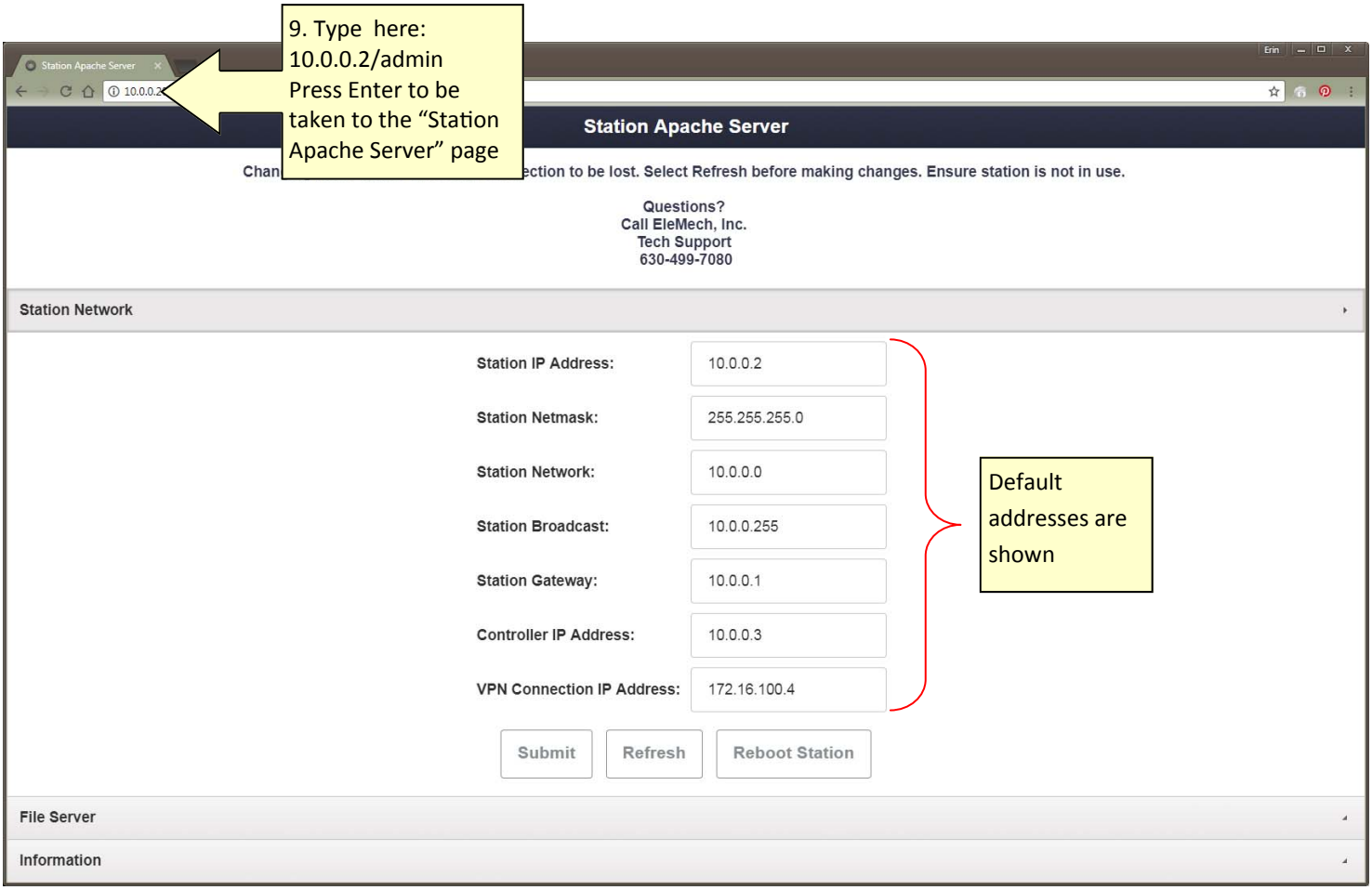
Using an Ethernet cord, connect the ebox to the same computer that you just assigned an address on the 10.0.0.0 network.

Plug in the ebox ac adapter. Power on the ebox with the switch.





Once connected, access the ebox unit's admin page by typing "10.0.0.2/admin" into the address bar in the Google Chrome browser. Chrome is required to use the Powr-Touch 5.0 software.



Re-assigning the ebox IP Address

Update the IP information to work with your local network. Ask your IT department for an available address if necessary. If you are not given a specific address, try changing just the last group of numbers in the IP to a number between 4 and 256.

Examples:

Ex 1: The original computer IP address was 192.168.1.31
Then you might enter in the ebox admin page:

IP Address:	192.168.1.32	
Netmask:	255.255.255.0	(this should match the computer's original subnet mask)
Network:	192.168.1.0	
Gateway:	192.168.1.1	(this should match the computer's original default gateway)
Broadcast:	192.168.1.255	
Controller IP:	192.168.1.33	(if there are multiple PLCs, use the address of the first PLC)

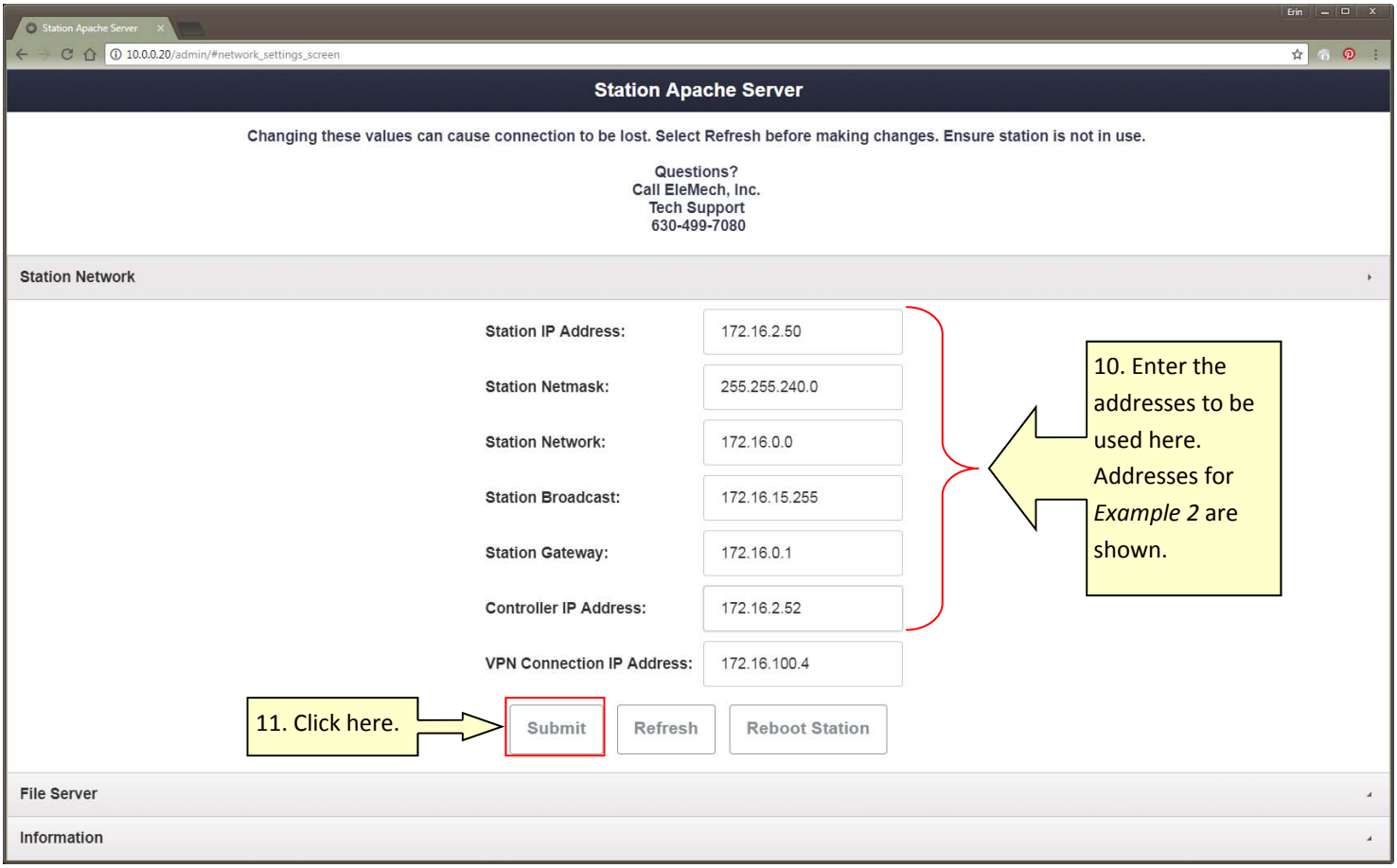
Ex 2: The original computer IP address was 172.16.9.15
In this case you might enter into the ebox admin page:

IP Address:	172.16.2.50	
Netmask:	255.255.240.0	(this should match the computer's original subnet mask)
Network:	172.16.0.0	(For each number group, if the netmask is 255, this should be the same as the IP, and if the netmask number is less than 255, it should be 0, unless told otherwise by IT)
Gateway:	172.16.0.1	(this should match the computer's original gateway)
Broadcast:	172.16.15.255	(For each number group, if the netmask is 255, the broadcast number should match the IP address. If the netmask is less than 255, the broadcast should be the netmask subtracted from 255)
Controller IP:	172.16.2.52	(if there are multiple PLCs, use the address of the first PLC)

It is imperative that the network be set correctly! If the network is set incorrectly, the ebox will not connect, and a mouse, keyboard, monitor, and phone call to support will be required.

Record the entered addresses on page 7 of this guide. Click the "Submit" button.

Change your computer's IP address back to its original assignment following the sequence of instructions on page 3 again.



Re-assigning the PLC IP Address

- **Update the IP address for the PLC (Programmable Logic Controller) unit in the Powr-Touch 5.0 panel.**

1. Power the control panel. Press the [ESC] key to enter the main menu.

```
□□□□□□      REMOTE
▸I/O Status
  Monitoring
  Mode Switch
```

2. Scroll down until the cursor is pointed to “Advanced set.” Press [OK]

```
□□□□□□      REMOTE
  User Display
▸Advanced Set
```

3. Scroll down until the cursor is pointed to “ENET Cfg”. Press [OK]

```
□□□□□□      REMOTE
  KeyIn Mode
  DCOMM Cfg
▸ENET Cfg
```

4. Scroll down until the cursor is pointed to “IP Address”. Press [OK]

```
□□□□□□      REMOTE
ENET Cfg:
  Status
▸IP Address
```

5. “ENET Setup: Master Password” will appear. Leave the password blank and press [OK].

```
□□□□□□      REMOTE
ENET Setup:
Master Password:
_____
```

6. “ENET Mode:stati” appears. Press [OK].

```
□□□□□□      REMOTE
ENET Mode: stati

Press [U/O] key
```

7. “IP address” appears. Use the arrows to change the IP to match the “Controller IP” in the ebox set-up. Press [OK].

```
□□□□□□      REMOTE
ENET Mode: static
IP address
172.016.002.052
```

The default PLC addresses are:

IP address:	010.	000.	000.	003
Subnet Mask:	255.	255.	255.	000
Default Gateway:	010.	000.	000.	001

MicroLogix 1400 PLC in Powr-Touch 5.0 panel

If you have more than one panel and ebox, the ebox from the second panel will have these default addresses:

IP address:	10.	0.	0.	12
Subnet Mask:	255.	255.	255.	0
Default Gateway:	0.	0.	0.	0

And the second PLC will have these default addresses:

IP address:	010.	000.	000.	013
Subnet Mask:	255.	255.	255.	000
Default Gateway:	010.	000.	000.	001

Additional panels will continue to increment the IP address by ten.

Re-assigning the PLC IP Address

8. "Subnet Mask" appears. Use the arrows to change. Press [OK].

□□□□□□ REMOTE
ENET Mode: static
Subnet Mask
255.255.255.000

9. "Gateway address" appears. Use the arrows to change. Press [OK] .

□□□□□□ REMOTE
ENET Mode: static
Gateway address
172.016.000.001

10. "Pri DNS" appears. This is not used. Leave as all zeros. Press [OK] .

□□□□□□ REMOTE
ENET Mode: static
Pri DNS
000.000.000.000

11. "Sec DNS" appears. This is not used. Leave as all zeros. Press [OK] .

□□□□□□ REMOTE
ENET Mode: static
Sec DNS
000.000.000.000

12. "ENET Cfg:" will appear.

□□□□□□ REMOTE
ENET Cfg:
Status
▸IP Address

13. Press [ESC] until the display changes to show "I/O Status".

□□□□□□ REMOTE
▸I/O Status
Monitoring
Mode Switch

14. Press [OK].

Please record your system addresses here for your future reference.

Ebox:

IP Address: _ _ _ . _ _ _ . _ _ _ . _ _ _

Netmask: _ _ _ . _ _ _ . _ _ _ . _ _ _

Network: _ _ _ . _ _ _ . _ _ _ . _ _ _

Gateway: _ _ _ . _ _ _ . _ _ _ . _ _ _

Broadcast: _ _ _ . _ _ _ . _ _ _ . _ _ _

Controller IP: _ _ _ . _ _ _ . _ _ _ . _ _ _

VPN Connection IP: _ _ _ . _ _ _ . _ _ _ . _ _ _

PLC:

IP Address: _ _ _ . _ _ _ . _ _ _ . _ _ _

Subnet Mask: _ _ _ . _ _ _ . _ _ _ . _ _ _

Gateway address: _ _ _ . _ _ _ . _ _ _ . _ _ _

If you have more than one panel, you can record the additional IP addresses here for your reference.

Ebox 2:

IP Address: _ _ _ . _ _ _ . _ _ _ . _ _ _

PLC 2:

IP Address: _ _ _ . _ _ _ . _ _ _ . _ _ _

Ebox 3:

IP Address: _ _ _ . _ _ _ . _ _ _ . _ _ _

PLC 3:

IP Address: _ _ _ . _ _ _ . _ _ _ . _ _ _

Ebox 4:

IP Address: _ _ _ . _ _ _ . _ _ _ . _ _ _

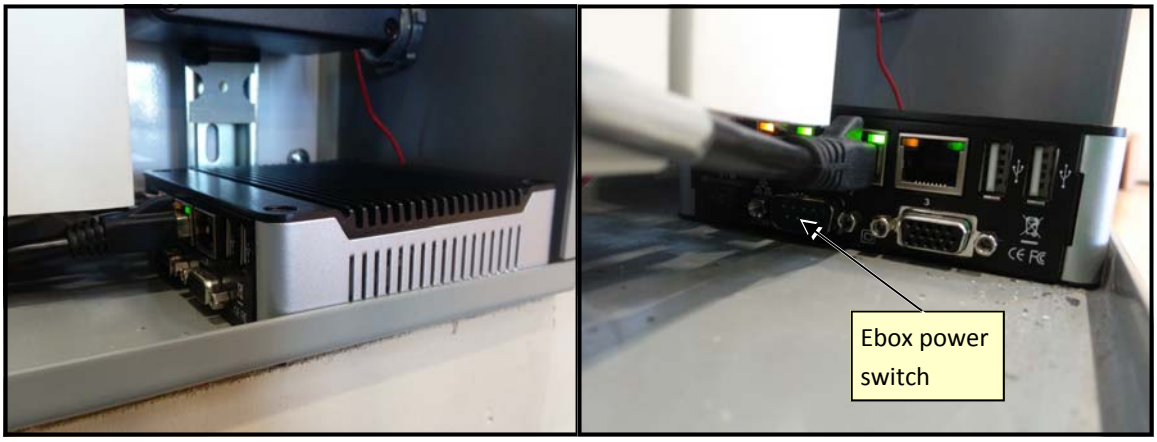
PLC 4:

IP Address: _ _ _ . _ _ _ . _ _ _ . _ _ _

Installing the ebox

- **Connect the ebox to the Powr-Touch 5.0 panel.**

If the ebox is not already connected to the panel, connect the Ethernet cable in the panel to port "2" of the ebox and connect the AC adapter to a power source. The ebox does not require mounting and may be set anywhere inside the panel box. Power on the ebox using the power switch. There will be solid and blinking lights when it is on.



Enter the IP address assigned to the ebox (for example: 172.16.2.50) into the address bar of Google Chrome on an internet-capable device connected to the same network as the Powr-Touch 5.0 ebox and PLC.

If the PLC IP address has changed from the default, you will need to update it in the app. After entering the default passcode (1234), select [ENTER] then [AGREE]. Select the [SETTINGS] button, then "Change IP Address". Enter the address of the PLC associated with the ebox. Select [SAVE].

Proceed to the Powr-Touch 5.0 Owner's Manual for additional details on modifying settings and adjusting equipment.

If your network changes (e.g.: you get a new internet service provider), you may need to follow this guide again to change your ebox and PLC addresses in the future.

If you need additional assistance, you may install the free download TeamViewer 12 for remote help.
https://www.teamviewer.us/?utm_source=bing&utm_medium=cpc&utm_campaign=us_s_brand&pid=bing.us.desk.brand.tv_12_ex

Please contact Porter at Powertouch5@porterathletic.com with any questions.

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SAVE THESE INSTRUCTIONS FOR FUTURE USE