



PlasmaLINKV2™ Start Up



The PlasmaLINK unit includes:

- 1x Mini-USB power cable
- 1x USB to RS232 cable
- 1x RS232 adapter
- 1x Micro SD card with installed software.

Additional equipment can be ordered.

About PlasmaLINK:

- For DAT210 and DAT310 Plasma Block products.
- Up to two (2) Plasma Blocks per PlasmaLINK device.
- Access via WIFI or Ethernet network connection.
- Plasma Block monitoring via web browser or mobile applications.

The PlasmaLINKV2 Setup:



You can set up your new PlasmaLINK device by following these steps:

1. If not done already, insert Micro SD card containing the software.
2. Connect RS232 cable and adapter then connect the PlasmaLINK via USB and Plasma Block via RS232 adapter.
3. Have Plasma Blocks powered at some point before the next step.
4. Plug in the Mini-USB power cable to the device and a power source.
5. Start web or mobile application on PC, smartphone, or tablet.



You can also use our mobile applications for iPhone/iPad or Android. See *PlasmaLINK App* section

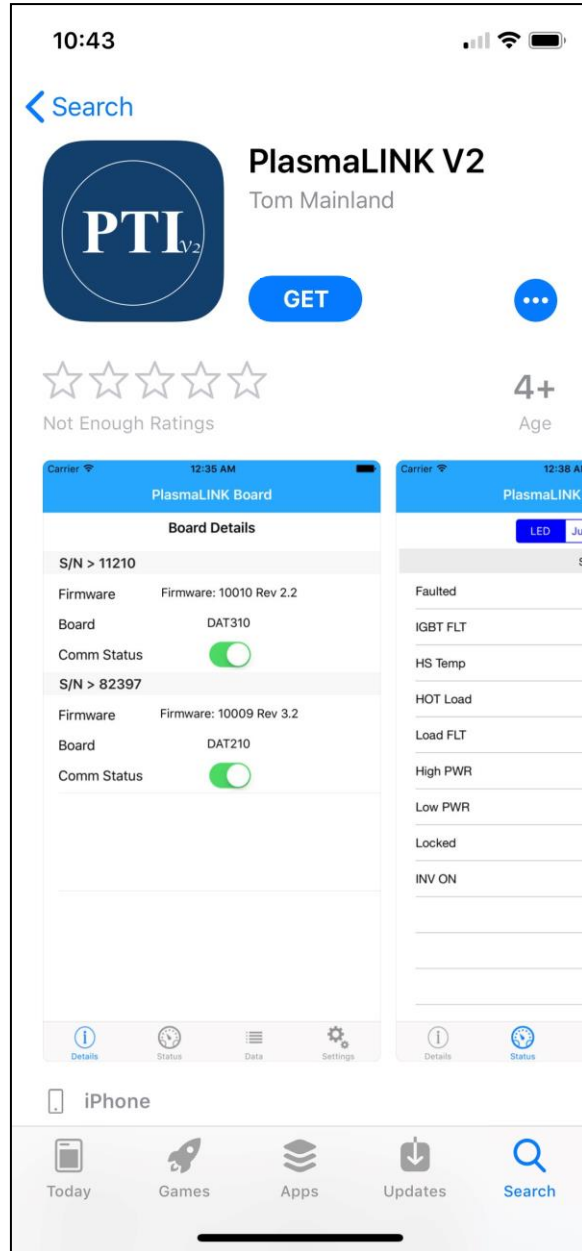
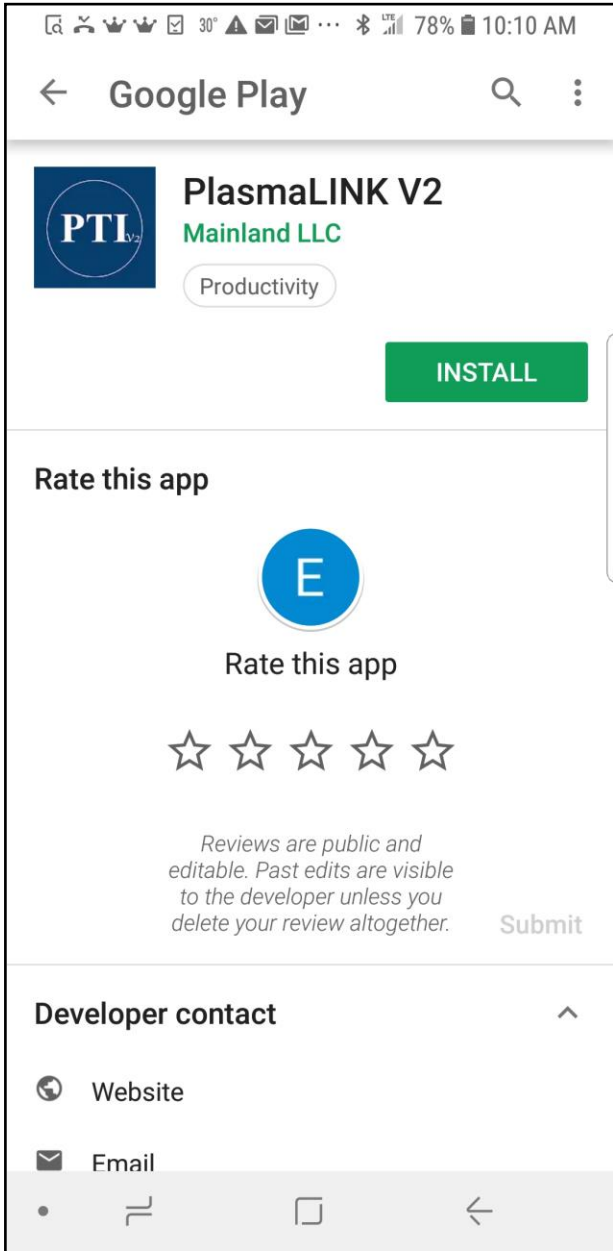
Note: The IP address and password requirement will change if access is via Wi-Fi or Ethernet.

	IP Address	WiFi Password	WiFi Name	Server Name
Access via Wi-Fi	192.168.42.1	Raspberry (check label on unit for alternate password)	PlasmaLINKV2_UNITID (check label on unit for alternate password)	None
Access via Ethernet	Assigned by local network	N/A	N/A	PlasmaLINK

PTI PlasmaLINK app:

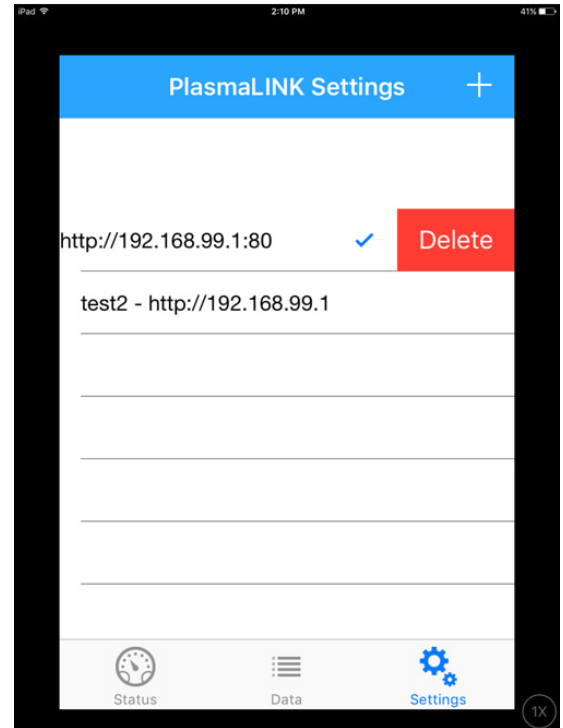
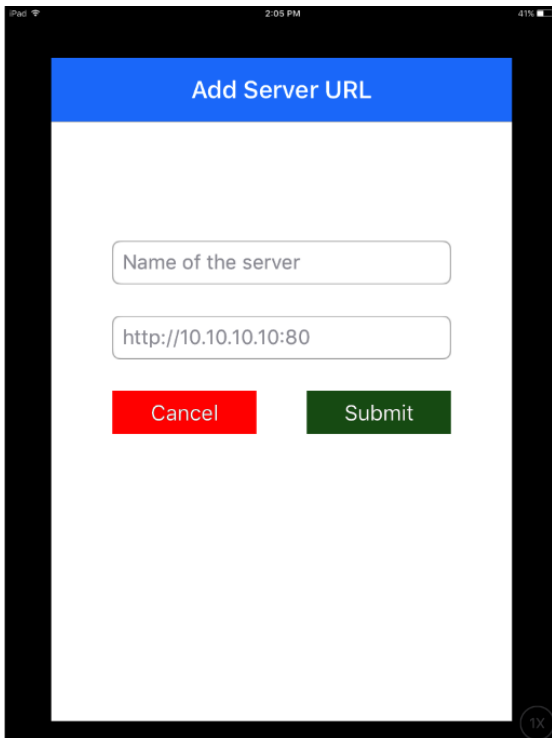
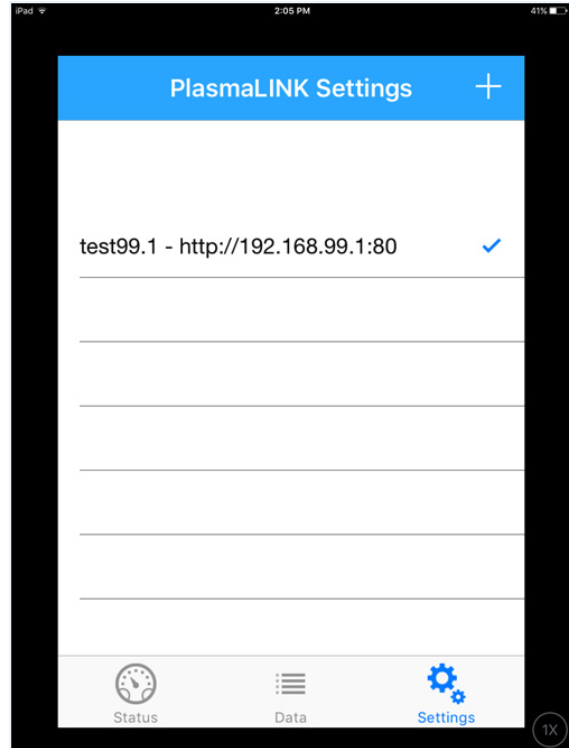
The PlasmaLINK app is available for Android or Apple iOS. Go to the App Store (Apple) or Google Play (Android) and search for “PlasmaLINKV2”.

NOTE – app will not work on older versions of the Android OS.



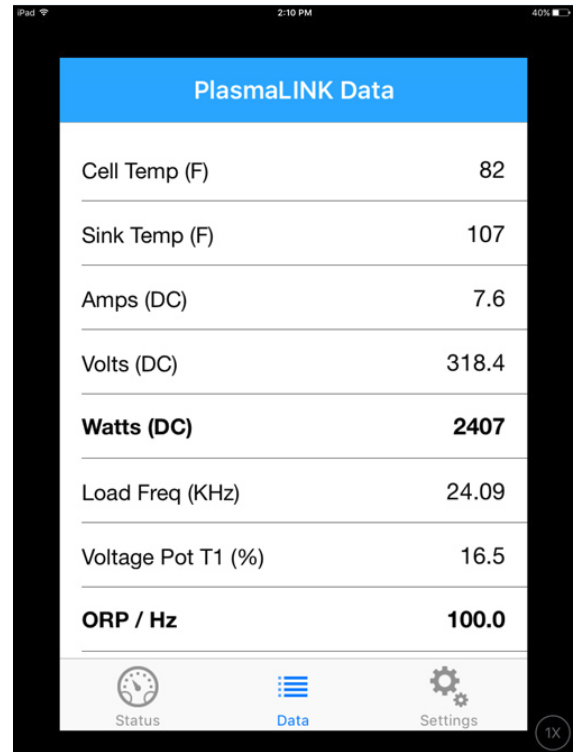
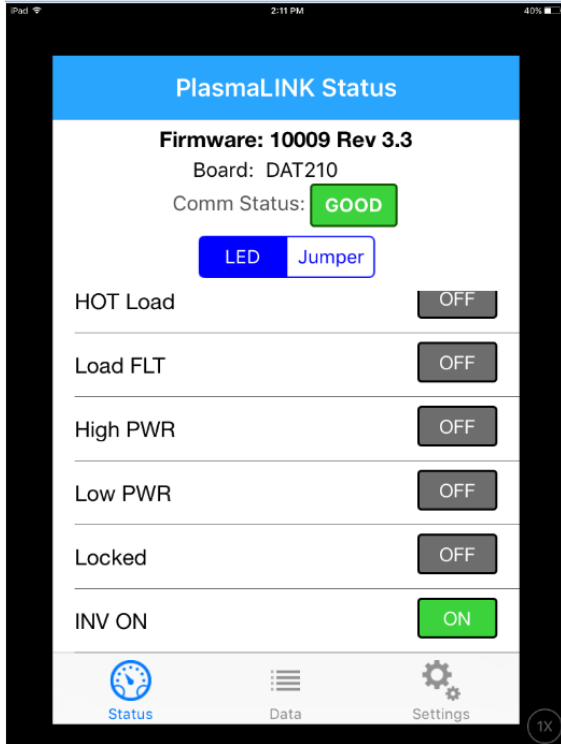
The first use of the app will require a brief set up.

1. Tap SETTINGS icon
2. Tap “+” to add a SERVER NAME / IP ADDRESS
3. Enter a Server Name and IP Address for the App to remember then hit the SUBMIT button
 - a. Server name is a “local” PlasmaLINK identifier for differentiating PlasmaLINK devices in mobile device’s server list. Not to be confused with “Server Name” in the network connection table above.
4. Enter IP address - <http://192.168.42.1> if using Wi-Fi
 - a. <http://xxx.xxx.xxx.xxx> as assigned in Local Area Network (LAN).



The app will accommodate multiple SERVER NAME / IP ADDRESS entries to facilitate multiple PlasmaLINK units at one site or a service rep who supports PlasmaLINK units at multiple sites. To Delete an existing Server Name and IP address from the App, slide your finger left across the entry, a DELETE button will appear, Hit the DELETE button.

Once setup is done, and one of the settings is selected, the PlasmaLINK data screens will display. Data will be refreshed every 3 ½ seconds.



PlasmaLINK Web Application:

The screenshot shows the PlasmaLINK Web Application interface. At the top, there is a header with the PlasmaLINK™ WiFi logo and Plasma Technics, Inc. SPECIALISTS IN OZONE TECHNOLOGIES. Below the header, there are two tabs: "LED and Jumpers" (selected) and "Numeric Data". The main content area contains three tables:

Board Info		
	S/N > XXXXXX	S/N > XXXXXX
Firmware		
Board		
Comm Status		

LED Status		
	S/N > XXX	S/N > XXX
Faulted		
IGBT FLT		
HS Temp		
Hot Load		
Load FLT		
High PWR		
Low PWR		
Locked		
INV ON		

Jumper Status		
	S/N > XXX	S/N > XXX
PDM Enable		
INV ON (Pin 7 Invert)		
SSD110 Emulation Mode		
Enable Hard Fault Display		
Enable Soft Fault Display		
PDM Ramp Control		
Enable Drop Back Mode		
Scaling: 4/20ma		
Fan		
DAT		

At the bottom of the interface, there is a footer with "Copyright © 2016" on the left and "All Rights Reserved" on the right.

Additional Information:

PlasmaLINKV2 now supports up to two (2) devices simultaneously.

PlasmaLINK updated from v1 to v2 to support changes in DAT310 firmware.

The PlasmaLINKV2 app displays information in a slightly different format more compatible with a smaller screen size. It does not display the graphing data seen when accessing via a browser.

The default Wi-Fi IP address, password and server name for the unit can be set up with different values by PTI per customer request prior to shipment.

If the ethernet link is used, a PlasmaLINKV2 unit can be accessed from any remote location with internet service.

Disconnection of one or more Plasma Blocks requires PlasmaLINK power cycling to reset the connection.