You need this tip if you:

- If the SapIp was registered, and you still have radio contact.
- The SAP1P responds to a radio ping on Agrisensors.
- However, you are unable to get Remote RESET reboot, or a VERS1ON ping to work.
- Version 100.12 or better Firmware.
- Rev E Hardware: SAP1P90278 or higher.
- Rev E Hardware: SAP1P20157 or higher.

CONCLUSION:
Previous versions (REV D hardware) require the user to disconnect the power and reconnect the power at the battery, or the 28 pin circular connector.

Version

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A SapIP is in the next county and it needs to be rebooted with a hardware boot. You can run out there and waste a lot of gas, or get on to etherios.com and reboot remotely with a couple of I/O commands.

Check the Gateway to make sure there is no long Queue. A lot of data recover or a series of other SAP1P commands can slow up a Gateway response to your efforts.

A SapIP may be not communicating due to a “hung” process. It may have had a very low battery, and is now recovered.

Equipment you will need:
Web browser on a PC or Laptop with access to Agri8sensors and Etherios.com
LAN, Smart phone, or WIFI connection
SAP1P remote must have good RF antenna connectivity, and good 12 V power.
**SET I/O BIT 1**

The AD1/DIO1 Bit is attached to the hardware reset line in the newer versions of SAPIP.

Remote control the I/O line with the Gateway access portal on Etherios.com

Set AD1/DIO1 BITS to 4,
SAVE that setting.
Make the port an output.

Set the AD1/DIO1 Bit s to 5.
Make the bit go HIGH.

**Restore to original config.**

Change the AD1/DIO1 Configuration Back to 0 , where it started..

The reset line is now released. It less than a minute the SAPIP will reboot. Then a few minutes later it will be rediscovered. Accelerate discovery, by using Gateway Refresh.

If the gateway did not discover the SAPIP, try to reboot the gateway. Got to devices on Etherios, right click the device address, and click the REBOOT.

Occasionally a SAPIP will hang up, and the gateway cannot re-discover the SAPIP.