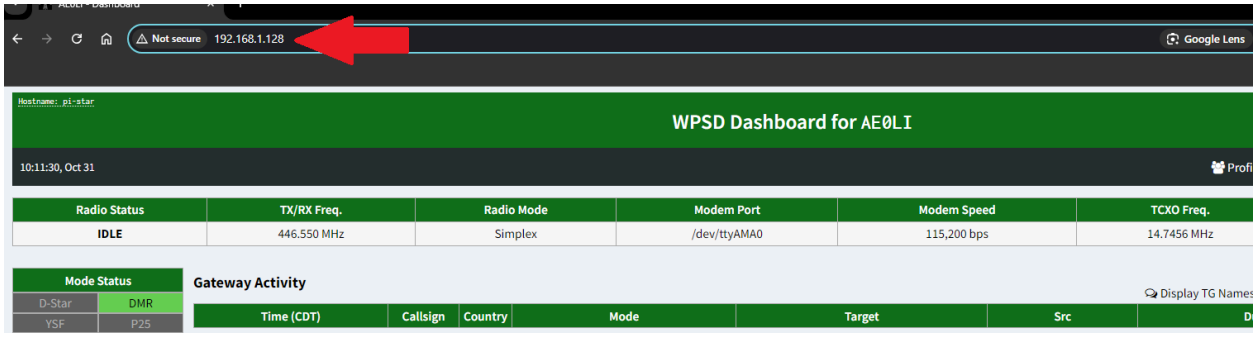
Using Remote Shutdown and Reboot Commands with your SkyBridge Max

Introduction

When powering down the SkyBridge Max, it is essential to shut it down properly to avoid the risk of file corruption. Thanks to the intuitive web interface, this is a simple process. However, there are situations where it would be more convenient to remotely shut down the unit without needing to log into its web interface. With a SkyBridge Max, it is possible to configure this functionality using a DMR radio. Configuring additional digital modes and commands is also supported, but the scope of this document is limited to shutdown and reboot commands with a DMR radio.

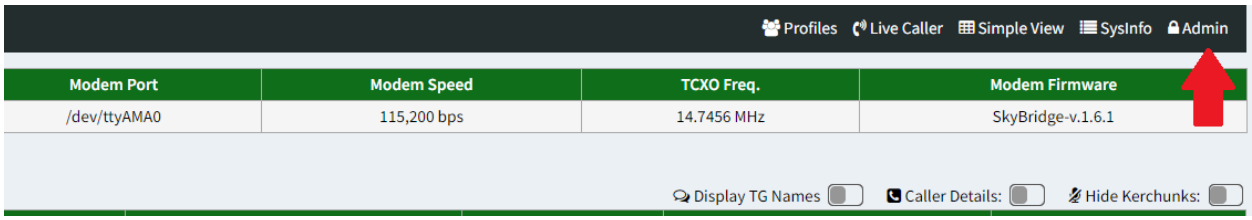
Configuration

1. Power on your hotspot and wait for it to boot. This guide assumes that you are using a SkyBridge Max and are either using an Ethernet cable for network connectivity, or have already configured WiFi.
2. Using a computer (or smartphone) connected to the same network, open a web browser and type in the IP address that appears on the SkyBridge Max display.

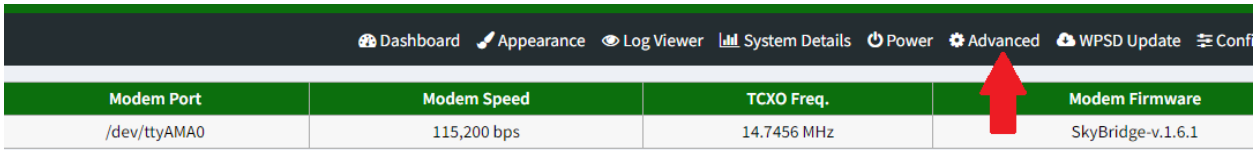


You should be directed to your WPSD dashboard page.

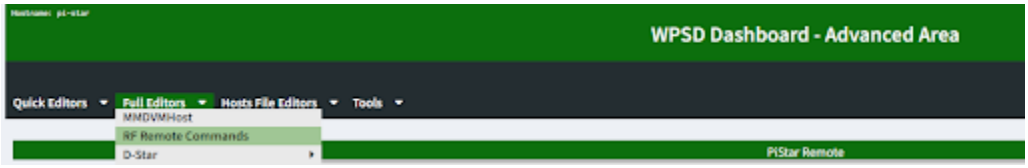
3. Click **Admin** in the upper-right corner



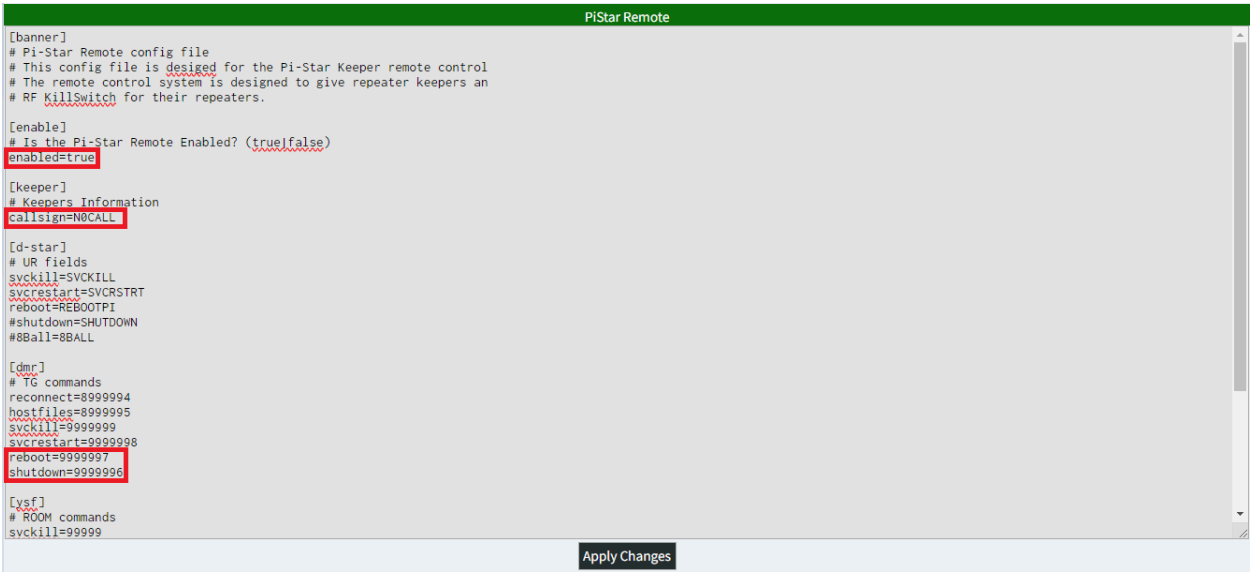
4. Click **Advanced**



5. Navigate to **Full Editors->RF Remote Commands**



6. Change the following lines:
    a. enabled=true
    b. callsign=**Your Callsign**
    c. Under the **dmr** field, remove the '#' at the beginning of the **reboot** and **shutdown** lines
        i. Be sure there is not a '#' character present at the beginning of the **enabled**, **callsign**, **reboot**, and **shutdown** lines
    d. The resulting file should resemble the image below



Click the **Apply Changes** button when finished.

How to Use

1. If using one of BridgeCom's codeplugs, navigate to the **Remote** zone and rotate the channel knob to select either **SKY Shutdown** or **SKY Reboot** depending on the desired operation to run.

    a. If not using one of BridgeCom's codeplugs, you will need to add talkgroups 9999996 (shutdown) and 9999997 (reboot), and add a channel corresponding to your hotspot's frequency, color code, and timeslot for each. Guidance on codeplug construction is outside the scope of this article.
2. Be sure the hotspot is not already transmitting, and briefly press the PTT. Immediately after transmitting, your callsign and the talkgroup number should appear on the display.
    a. Within 30 seconds, the display text should change to **Stopped** and the line below it should change to **MMDVM Inactive**
    b. If this does not occur, it is likely the unit did not shut down or reboot (depending on the operation that was run). In this case, review the steps in the previous section and ensure the PiStar Remote configuration file is correct and saved with the changes that were made.
3. If Step 2 was successful, and the shutdown command was run, wait 60 seconds. It is now safe to remove power from the unit.
    a. If the reboot command was run, do not remove power from the unit. It should boot and be running again within a few minutes.