# SuperDARN – Power Cycling a PDU Port

To power cycle a specific port on the PDU, follow these steps:

1. Stop the radar software first, if it wasn't already.
2. Run the script: `SANAE\_PDU\_Control.sh`. Follow the instructions provided by the script. (This script needs to be changed so that it’s general).

Alternatively, the PDU's can be accessed directly using a browser and navigating to the desired IP address. Use the following information to log in and adjust the settings for:

1. PDU IP range: 20-25
2. User name: apc
3. Password: apc

PDU Gateway: \*.\*.\*.10 (Used as keep-alive address)

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID | IP | Port 1 | Port 2 | Port3 | Port 4 | Port 5 | Port 6 | Port 7 | Port 8 |
| PDU 1 | 20 | SW1 | NC | NC | NC | M4 | M3 | M2 | M1 |
| PDU 2 | 21 | S2 | S1 | M8 | M7 | M6 | M5 | NC | NC |
| PDU 3 | 22 | C2 | C1 | J1 | J2 | SW3 | T1 | SC | SW2 |
| PDU 4 | 23 | NC | NC | NC | NC | M12 | M11 | M10 | M9 |
| PDU 5 | 24 | S4 | S3 | M16 | M15 | M14 | M13 | MP | NC |
| PDU 6 | 25 | - | - | - | - | - | - | - | - |

* M1-M16: Main Array Transceiver boxes.
* S1-S4: Secondary Array Transceiver box (Currently not connected).
* T1: Timing box 2 (Timing box 1 is faulty).
* J1-J2: Joshua, main server. Redundant power supply.
* C1-C2: Caleb, back-up server. Redundant power supply.
* SW1: 8 port switch (fiber connection to base).
* SW2: 20 control switch, 20 port data switch, Microtik router.
* SW3: Fiber-Ethernet converters and 8 port D-link switch.
* SC: Rack Screen.
* MP: Multi-plug.