

Uninterruptible Power Supply (UPS) Information and Instructions for How to Reset Them

The UPS units are the large black boxes that sit on top of the consoles. Occasionally an error will occur and the UPS will beep and the unit will need to be reset for the beeping to stop and for the UPS to function properly again.

First some information:

- On the back of the UPS is a switch that can be set to UPS or Utility. When set to “UPS” power is routed through the UPS and when set to “Utility” power is **NOT** routed through the UPS. In fact the box that fits into the UPS where the UPS/Utility switch is located can be removed from the UPS unit and still power the NMR console (as long as the switch was set to “Utility” prior to disconnecting it). In this way the UPS can be serviced without ever losing power.
 - **NOTE:** If you were to attempt this be careful as open wires will be exposed during the process and care should be taken to not electrocute yourself.
 - **NOTE:** In utility mode there is no protection from a power failure.
- On the Front panel you will find two buttons and a display panel.
 - The button with a single line is the **ON** button
 - The button with a line and circle is the **OFF** button
 - The “AC Input” light indicates that there is power available to the UPS unit
 - The “BATTERY” light indicates that power is being delivered from the batteries or that the batteries are being tested. Generally this light is on when AC input is off
 - The UPS On button indicates that the UPS is ON.
 - The Bypass button indicates that the UPS is in Bypass mode. This means that something has gone wrong with the UPS and power is bypassing the battery portion of the UPS, but is still traveling through the UPS unit itself. In this mode there is no protection from a power failure. This is very similar to the switch in the back to the UPS being set to “Utility” but rather than being re-routed from the small box it is being re-routed from internal to the UPS.

- **NOTE:** There is no communication between the UPS and the UPS/Utility switch on the back of the UPS.
- The battery indicator lights (top row) show what the charge of the batteries is at. Generally they should be all lit
- The next two rows of lights indicate the load on both poles of the UPS system. The first light is always lit even with no load. The last light indicates that the load is too great.

Resetting the UPS after an internal failure

- **NOTE:** When I say failure, I mean a failure of the UPS not a power outage. The UPS will reset itself after a power outage.
- At this point there will be beeping and the UPS will be in bypass mode.
 - Go to the back and flip the switch to “Utility”
 - On the front of the UPS hold the OFF button for a second until it beeps. This will shut off the beeping and the UPS.
 - On the front of the UPS hold the ON button for a second until it beeps. After a few seconds the UPS ON light will light, the bypass light will go off, and the battery light will come on and then go off.
 - The load levels should only have the first light lit and the battery level lights should show 100%.
 - On the back of the UPS turn the switch to “UPS” and power will now be delivered through the UPS and everything should be back to normal.
 - The load lights will now show some load.