

April 23, 2020

Alcon Surgical Equipment Re-Start Protocol

Below are the recommendation protocols to turn on Alcon equipment that has been idle for an extended period of time. We recommend system start up at least 5 days before the first scheduled surgery.

LenSx Laser System:

1. First 7 steps only for Lasers fully shut down and disconnected.
2. Verify room temperature and humidity has returned to normal and has been stable for at least 24 hours.
3. Verify LenSx Key switch is in the "off" position.
4. Verify LenSx Main Power switch (rocker switch next to power cord) is in the "off" position.
5. Insure the UPS is plugged into the appropriate wall outlet.
6. Turn on the UPS by depressing the power button for 2-3 seconds until the UPS beeps. Several LEDs on the front panel will illuminate.
7. Allow the UPS to be powered on for at least 30 minutes before proceeding to allow batteries to re-charge if necessary.
8. Re-connect the LenSx system to the UPS. Turn the LenSx Main Power switch (rocker switch) to the "on" position. You should notice the fans and cooling system become operational. Let the system sit for 1 hour before continuing.
9. Power on the system via the key switch. Login and warm-up the system per normal procedures.
10. If the system generates a Maximum Energy Too Low error, leave the system on for 1 additional hour. Then re-start the system via the key switch and perform another system warm-up. If any other errors are displayed during the startup, contact your local Alcon LenSx representative.
11. If the Maximum Energy Too Low error does not clear, or if any other errors are displayed during any startup, contact your local Alcon LenSx representative.

Centurion & LX3 Luxor Systems:

1. Ensure plugged in and the foot pedal is properly attached to the back of Centurion.
2. Power up to ensure no error codes are present-contact Technical Services with any error codes.
3. Foot Switch: Make sure the LED on the Footswitch (FS) is blinking green. LEAVE the Centurion/LX3 turned on to allow the back-up batteries and FS to charge to full capacity.
4. If you have unplugged the Centurion for a period of time, but left the foot pedal attached, you may get an error code "Back up battery not available" this should clear by leaving the system powered on Overnight.
5. Double check that you have enough BSS, Custom packs and Vitrectomy kits on hand if needed.

ORA System:

1. Place aberrometer on microscope with verification tool, connect all cables.
2. Turn ORA on and run a system verification.
3. Allow to sync for any updates.
4. Ensure no error codes-contact Technical Services with any error codes.

Constellation & Ngenuity Systems:

1. Ensure Constellation is plugged in, connected to Nitrogen and powered up to identify any error codes. Contact Technical Services with any error codes.
2. Power up Ngenuity (if applicable) to verify no system error codes-contact Technical Services with any error codes.
3. Double check Nitrogen supply if using portable tanks.

UPS Systems:

1. Check breaker switch if there is no power to laser.
2. Allow time to recharge UPS battery if UPS has been turned off during shutdown.

Allegretto & EX500 Systems:

1. Turn on the system
2. Perform gas fill
3. Complete Energy Check
 - a. If error, repeat Step 2
 - b. If acceptable, go to Step 4
4. Perform the surgery day calibration tests (Eye Tracker, Fluence, Scanner and Micrometer Tests)

FS200 Systems:

1. Turn on the system (system will perform an internal self-test (20-30 minutes))
2. Perform Initialization Checks (Vacuum, Energy, Ablation and Ablation Tests)

Vario Systems:

1. Turn on the system
2. Complete Test Eye Measurement

Wavenet Systems:

1. Check if WaveNet and Network Switch are still on.(Green LED)
2. If keeps receives database error, you can hold down power button of the server to reset it.
3. Allow 5~10 minutes for server to reboot and then try to log in again.

If you see or experience any issues with these systems, please contact Alcon Technical Services at 800-832-7827 for assistance.