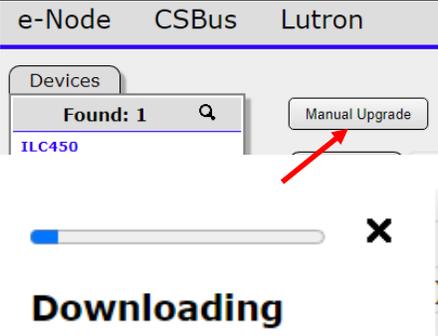


HOW TO PERFORM A MANUAL UPGRADE ON AN ILC-XXX WHEN THE UNIT APPEARS NON-OPERATIONAL (NO ON-BOARD INDICATOR IS ILLUMINATED EVEN THOUGH POWER HAS BEEN APPLIED)

When no on-board indicator (LED) light is on when the ILC-xxx is powered up to a known good power supply and no load is connected to the green LED output connector, there may be circumstances where during a Firmware upgrade or an ESD strike, corruption of firmware might have occurred through some outside influence. Don't worry, you can "force" a firmware update by following the instructions below.

<p>Step M1.</p> <p>For units that have a shroud (ILC-300 and higher), remove the shroud as per these instructions.</p> <p>For units that do not have a shroud (ILC-100 and ILC-200), simply proceed to the next step.</p>	<p>See separate document for more information. https://www.convergingsystems.com/bin/doc/technotes/removingshroud_all.pdf</p> <p>-Remove shroud by pushing down where the screwdriver is pointing and (ii) rotating the shroud downwards/outwards until it pops off.</p>  <p>Remove white shroud carefully with finger nail or small screwdriver</p> <p>With cover removed, find the silver reset button</p>
<p>Step M2.</p> <ul style="list-style-type: none"> -Connect the subject ILC-xxx directly to the e-Node's Port 0 with a known good CS-Bus cable. It is best to connect the ILC-xxx directly to the e-Node without any other working or non-working ILC-xxx on the same bus. It is recommended that all other downstream ILC-xxx devices connected to the subject ILC-xxx are also disconnected. -Disconnect the incoming 3-pin power connector to the ILC-xxx (so the unit has no power connected to it). -Depress and hold the Reset button while you power up the subject ILC-xxx unit. Continue to hold the Reset button down for 3-5 seconds after power is applied to the unit -Then release Reset button and proceed to next step. 	
<p>Step M3.</p> <ul style="list-style-type: none"> -Navigate to the CS-Bus Page -Select the Manual Upgrade button - If the ILC-xxx can be upgraded and there are no other hardware problems, you will see the progress bar advance until the firmware has been refreshed. Do not interrupt this process. After the firmware re-flash has occurred, simply rediscover the ILC-xxx once again and assign any variable/names, ZGN address or other variables that might have been overwritten. <p>Note: If you do not see the progress bar advance, review the steps above and try once again. If no progress bar movement, your unit has been damaged.</p>	
<p>Step M4</p> <p>Once complete, you may proceed to select any additional ILC-xx0 devices that you wish to re-flash (one at a time only).</p>	