

Instructions: How to Update the x938-R Meter Firmware

The embedded firmware of the 1938-R and 2938-R meters can be field upgraded by customers as follows:

To update the x938-R firmware:

1. Download the latest x938-R firmware version from the Newport website:
<https://www.newport.com/f/x938-benchtop-optical-power-meters>
2. **Extract** from the downloaded ZIP file the folder called 'x938_upgrade' and **copy this folder as a whole** to the main directory (the root) of a USB flash drive.
3. Note: The USB flash drive must not be larger than 32GB, and should be formatted as FAT32
4. Insert the USB flash drive into the USB port that is found on the front panel of the meter.
5. Insert a pin into the front panel pinhole found below the USB port and gently press until you hear a click thereby activating the embedded micro-switch.



6. Turn on the x938-R meter while simultaneously continuously pressing through the pinhole for a few seconds.
7. When the upgrade procedure starts, with a progress bar displayed on the screen, you can release the pin.
8. When the procedure is completed, the x938-R meter restarts with the new firmware version.