



XRF Firmware - LDR



Category: [LLAP Devices - commands and instructions](#)
Last Updated on Monday, 03 June 2013 10:47

The LDR firmware is capable of operating as a permanently powered "polled" device or a cyclic "sleeping" device more suited to battery applications. Readings are taken from a Light Dependent Resistor and vary from 0 (no light) to 99 (full bright light)

The supported commands for the temp firmware are:

Generic commands

- APVER - LLAP version
- DEVTYPE - Device type
- DEVNAME - Device name
- HELLO - Hello (PING)
- SER - Serial number
- FVER - Firmware version
- CHDEVID - Change device ID
- PANID - Change PANID
- REBOOT - Restart the device
- INTVLxxxx - Sets the interval for reading the temperature - 999S would be 999 seconds - T=ms, S=secs, M=mins, H=hours, D=Days - Once the command is sent the device will begin to send readings at the frequency requested. Whilst you are testing it's useful not to yet issue CYCLE, once asleep it's not an easy task to wake it
- CYCLE - Activate cyclic sleeping, the device will wake every INTVL - Once this command has been issued the device will remain asleep for the majority of the time. Whilst asleep everything is turned off, that includes the radio

Device specific commands

- LVAL - Reply with the light level from 0 to 99