

checklist Web GUI

Last update Monday 09 May 2022

For Fieldwork - using web GUI

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This is a list of web GUI commands that can replace commandline.

Important Note: There is only a subset of commands available in the Web GUI!

Please refer to wiki for more details https://wiki.dfn.net.au/index.php/Using_the_GUI_for_Regular_Maintenance

Important Note: before powering off running camera box, shutdown the system

Web GUI: Advanced -> Shutdown/reboot, wait for beep, then unplug power.

Date:

Site location:

New camera:

Lens marking:

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- Install Samyang lens and DSLR
 - power up the box, check LC shutter flickering through the viewfinder, then close the viewfinder shut

Note: when the DSLR is on, the LC shutter contrast is higher and flickering easier to see.

- Put a cable tie on the GPS antenna cable to label it
- Mobile network Internet
 - Antena type:
 - check & record signal strength

(CSQ at least ~5-6, the more the better; >=10 is perfect)
Network -> Check modem signal

- Verify internet and VPN connection, ping to VPN server
- Network -> Check Internet
Network -> Check VPN

- GPS
- GPS Check -> Check GPS status

- Set timezone
- GPS Check -> Adjust time zone

- Coordinates & location name to configuration file /opt/dfn-software/dfnstation.cfg
- Advanced -> Edit config file
Check/change following parameters:
lat =
lon =
altitude =
hostname =
location =

- Check hard drives
- Hard Drives -> Power on drives
Hard Drives -> Mount drives
Hard Drives -> Check hard drive status
Indicator should go green, with data usage displayed
Hard Drives -> Umount drives
Hard Drives -> Power off drives

Hard drives formatting not available in GUI!

- Execute interval control test

Status -> Run interval test ... takes ~ 5 minutes

In case of success, following is printed: "Interval test passed."

- Clean lenses

- Apply nanokote on lenses (<https://www.reece.com.au/search/?query=nanokote>)

- Solar powered system: check battery voltage, test battery with battery analyser (<https://www.altronics.com.au/p/q2120-digital-battery-analyser/>)

Battery type:

Battery voltage/internal resistance:

- Take a few photos of the site for record, capture anything remarkable

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Replacing old camera box - if applicable:

- Take notes of status of the site. What was wrong?

- Remove DSLR for transport, bolt Samyang lens back to the box or use it in the new replacement box if OK

- In case of DFNSMALL, remove HDDs from the ORICO enclosure for transport back