

EDL Operation Software

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1. DOS PC

1.1. batch files DOS and Kermit

edl_conn	Automatic login	and/or
	upload ini-file to EDL + initiate restart Digitiser	
edl_setup	Call/Show of currently generated parameter set	

1.2. assisting files DOS (and Windows)

shorttemp.dat	shorting EDL PC (storage) cycle [min] - default: 10 minutes for low operating temperatures; calculation help by DOS program ,edl_powr'
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1.2. DOS exe files

edl_set	generate/store/select parameter set, e.g. ,SCHORF50.set'
edl_ini	generate ini-file ,recorder.ini' from parameter set above additionally: temperature related shorting of the PC cycle using 'tmp.dat'
edlbdisp	plot time series from digitiser output (continuously) show Mass Position [V] of broadband seismometers
edlbfilt	plot time series from digitiser output (continuously) show Mass Position [V] of broadband seismometers time series high pass filtered (frequency via command line)
edl2filt	plot time series from digitiser output (nonrecurring plot of n seconds, for slow PCs) time series high pass filtered (frequency via command line)
edl2nois	plot time series from digitiser output (nonrecurring plot of n seconds, for slow PCs)
edl2mass	show Mass Position [V] of broadband seismometers (continuously, for slow PCs)
edl4plot	plot 4byte data (EarthData Legacy-Format)
edl_powr	calculate battery life and hard disk capacity
edl_view	show current setup as well as EDL and GPS state
edl_head	show current EDL and GPS state using digitiser output

2. Windows PC

EDL_SetUp	generate/store/select parameter set, e.g. ,SCHORF50.set' generate ini-file ,recorder.ini' from parameter set above including temperature related shorting of the PC cycle using 'tmp.dat' upload ini-file ,recorder.ini' to EDL Calculation of power consumption (battery span) and hard disk span
EDL_Access	Automatic login Display of current setup Continuous display of EDL and GPS state (incl. temperature, clock drift, remaining hard disk record span)

3. PDA (PocketPC)

PocketAccess	show current setup as well as EDL and GPS state
PocketMon	plot time series from digitiser output (continuously) optional high pass filtering (2 nd order Butterworth @ 1 Hz) and Mass Position output [Volt] for broadband seismometers show EDL and GPS state

4. EDL Counterparts

4.1. Shell scripts

reconfig	initiate entries to ,recorder.ini' + restart digitiser (shell script)
get_no	enter No. of EDL, IP, and hard disk as well as hard disk capacity into ,edl_no'

4.2. LINUX exec

edl_num	enter EDL No. into current ,recorder.ini' (after ,recorder.ini' upload)
bmon	version of EarthData status display program ,amon', reduced to one-time data output (instead of continuous one)