

Pegasus Astro

Pocket Powerbox Serial Command Language

Firmware >=v.1.1 (review Jul 2019)

Abbreviations used:

nnnn.. = one or more digits

b = Boolean (0 or 1 digit)

Connection Settings: 9600, 8N1

(All commands should be terminated by new line /n)

Command	Description	Response
P#	Status	PPB_OK
PE:bbbb	Set Power Status on boot. Every number represents 1-4 power outputs. (0=OFF, 1=ON).	PE:1
P1:b	ON/OFF Power 4x12V Outputs , (0=OFF, 1=ON)	P1:b
P2:b	ON/OFF Power 8V DSLR, (0=OFF, 1=ON)	P2:b
P3:nnn	PWM Duty Cycle Power 5 (DewA) X=0-255 (0-100%)	P3:nnn
P4:nnn	PWM Duty Cycle Power 6 (DewB) X=0-255 (0-100%)	P4:nnn
PF	Reboot Device / Reload Firmware	[none]
PA	Print Power and Sensor Readings	[Check table below]
PD:b	Enable/Disable Auto Dew Feature (X=0,1)	PD:b
PV	Firmware Version	n.n
PL:b	OF/OFF Led Indicator (0=OFF, 1=ON)	PL:b

Transmit: PA

Receive: PPB:12.2:0.5.22.2:45:17.2:1:1:120:130:1

Meaning:

PPB:voltage:current:temp:humidity:dewpoint:quadport_status:dslrout_status:dew1:dew2:autodew_bool

PPB	Device Name
Voltage	Voltage in volts (decimal) e.g 12.2
Current	Quad 12V output sens current 0-1024 (need to convert to Amps by dividing by 65)
Temp	Temp in Celsius Degrees (decimal) e.g 23.2
Humidity	Relative Humidity in % (decimal) e.g 59
Dewpoint	Dewpoint in Celsius Degrees (decimal) e.g 14.7
quadport_status	Boolean 0 or 1 (1 means port is ON, 0 means port is OFF)
dslrout_status	DSLR 8Volt Output. Boolean 0 or 1 (1 means port is ON, 0 means port is OFF)
Dew1	Power Dew1 duty cycle 0-255
Dew2	Power Dew1 duty cycle 0-255
Autodew_bool	Boolean for autodew function: 0 is OFF, 1 is ON

