

Alnitak Generic Commands

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The following is a list of the generic commands that can be sent to the Alnitak Astrosystems Flip-Flat, Flat-Man, Flat-Man L, Flat-Man XL, or Flip-Mask/Remote Dust Cover from a terminal emulator or scripting language.

Serial Data Rate: 9600 Baud
Parity: None
Data Bits: 8
Stop Bits: 1
RTS: negated

Command	Send	Recive	Description
Ping	>POOOCR	*PiiOOOLF	Used to find device
Open	>OOOOCR	*OiiOOOLF	Open cover (FF only)
Close	>COOOCR	*CiiOOOLF	Close cover(FF only)
Light on	>LOOOCR	*LiiOOOLF	Turn on light
Light off	>DOOOCR	*DiiOOOLF	Turn off light
Brightness	>BxxxCR	*BiixxxLF	Set brightness (xxx = 000-255)
Brightness	>JOOOCR	*JiixxxLF	Get brightness from device
State	>SOOOCR	*SiiqrsLF	Get device status
Version	>VOOOCR	*ViivvvLF	Get firmware version

Where:

> is the leading character sent to the device
CR is carriage return, LF is the line feed character
xxx is a three digit integer ranging from 0-255
* is the leading character returned from the device

ii is a two digit product id,

10 = Flat-Man_XL

15 = Flat-Man_L

19 = Flat-Man

98 = Flip-Mask/Remote Dust Cover

99 = Flip-Flat.

qrs is device status where:

s = 0 cover not open/closed

s = 1 cover closed

s = 2 cover open

s = 3 timed out (open/closed not detected)

r = 0 light off

r = 1 light on

q = 0 motor stopped

q = 1 motor running

vvv is firmware version