Flip-Flat and Flat-Man Generic Commands

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The following is a list of the generic commands that can be sent to the Alinitak Astrosystems Flip-Flat and Flat-Man 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	>P000CR	*Pii000CR	Used to find device
Open	>O000CR	*Oii000CR	Open cover (FF only)
Close	>C000CR	*Cii000CR	Close cover(FF only)
Light on	>L000CR	*Lii000CR	Turn on light
Light off	>D000CR	*Dii000CR	Turn off light
Brightness	>BxxxCR	*BiixxxCR	Set brightness (xxx = 000-255)
Brightness	>J000CR	*JiixxxCR	Get brightness from device
State	>S000CR	*SiiqrsCR	Get device status
Version	>V000CR	*ViivvvCR	Get firmware version

Where:
> is the leading character sent to the device
CR is carriage return
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, 99 for Flip-Flat, 19 for Flat-Man, 10 for XL, 15 Flat-Man_L.

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