

Meade LX200 Classic Hand Controller Key Codes

The Hand Controller serial data format is 1 start bit, 8 data bits, 1 stop bit where a start bit is defined as the first 0, the 8 data bits are LSB first, and the stop bit is the last 1. The most significant bit (MSB) is always a 0 on key down and always a 1 on key up.

Example: ENTER (Key Down)

Start Bit	Data Bit	Stop Bit	Hex Character
	0123 4567		
0	1011 0000	1	0d

	Key Down	Hex	Key Up	Hex
ENTER	0 1011 0000 1	0d	0 1011 0001 1	8d
MODE	0 1011 0010 1	4d	0 1011 0011 1	cd
GOTO	0 1110 0010 1	47	0 1110 0011 1	c7
N	0 0111 0010 1	4e	0 0111 0011 1	ce
S	0 1100 1010 1	53	0 1100 0011 1	c3
E	0 1010 0010 1	45	0 1010 1011 1	d5
W	0 1110 1010 1	57	0 1110 1101 1	b7
9	0 1001 1100 1	39	0 1001 1101 1	b9
8	0 0001 1100 1	38	0 0001 1101 1	b8
7	0 1110 1100 1	37	0 1110 1101 1	b7
6	0 0110 1100 1	36	0 0110 1101 1	b6
5	0 1010 1100 1	35	0 1010 1101 1	b5
4	0 0010 1100 1	34	0 0010 1101 1	b4
3	0 1100 1100 1	33	0 1100 1101 1	b3
2	0 0100 1100 1	32	0 0100 1101 1	b2
1	0 1000 1100 1	31	0 1000 1101 1	b1
0	0 0000 1100 1	30	0 0000 1101 1	b0
PREV	0 0111 0100 1	2e	0 0111 0101 1	ae
NEXT	0 0010 0010 1	44	0 0010 0011 1	c4