



Installation and Operation Instructions

Commander Series Light Stick

Specification

	
Important	User Manual

Caution:

Please ensure that you scan the QR code from above and read all important notices before proceeding with any installation or operation. Failure to thoroughly read these instructions may result in potentially serious consequences.

Recommend Operation Environment

Ambient Temperature: -30 to 50°C

Relative Humidity: 10 to 85% , non-condensing

Model	Peak Input Current	Input Voltage	LED Output	Fuse (customer supplied)	Flash Patterns
3/4/6 LED 2 Modules	1.0 Amps max@DC12V 1.6 Amps max@DC12V 2.0 Amps max@DC12V	10-30 VDC	1W *3/4/6 LEDs *2	2A/3A/3A	25
3/4/6 LED 4 Modules	1.6 Amps max@DC12V 3.2 Amps max@DC12V 3.2 Amps max@DC12V	10-30 VDC	1W *3/4/6 LEDs *4	3A/5A/5A	31
3/4/6 LED 6 Modules	2.4 Amps max@DC12V 3.2 Amps max@DC12V 4.8 Amps max@DC12V	10-30 VDC	1W *3/4/6 LEDs *6	3A/6A/6.3A	31
3/4/6 LED 8 Modules	3.2 Amps max@DC12V 6.4 Amps max@DC12V 6.4 Amps max@DC12V	10-30 VDC	1W *3/4/6 LEDs *8	5A/8A/8A	31

1. Apply BLUE wire TO NEGATIVE:

- Less than 1 second: Next Pattern
- Between 1-3 seconds: Previous Pattern
- Between 3-5 seconds: Factory Default Pattern
- More than 5 seconds: Last Pattern

2. Wire Function:

RED: Positive (need to add Fuse-see Specifications)

BLACK: Negative

BLUE: Pattern Switch

YELLOW: Synchronized Function

3. Inspect the contents to be certain that the following items are included:

- A : Deck Light *1
- B : Bracket *2
- C : Screws*4
- D : Manual *1

Flash Pattern

***To access the flash pattern chart, please scan the QR code provided on the front page of the user manual. Alternatively, ensure you request the correct flash pattern chart through the channel from which you acquired this product.**

Setting Synchronization:

- To synchronise multiple lightheads, set all lightheads to the same flash pattern type (see flash patterns below), then connect the yellow wires together.
- To alternate multiple lightheads, set one module to Ph1 flash pattern (see flash patterns below) and one module to Ph2 flash pattern, then connect the yellow wires together. Repeat for additional modules.

Flash Pattern

Phase Operation

- Phase 1 (Ph1) flashes simultaneously with Phase 1 (Ph1)
- Phase 2 (Ph2) flashes simultaneously with Phase 2 (Ph2)
- Phase 1 (Ph1) flashes alternate with Phase 2 (Ph2)

3LED 2Model / 6LED 2Model

PA NO.	Description
1	Single alert 75FPM alternating (sync)- Factory Default
2	Single alert 75FPM simultaneous Ph1(sync)
3	Single alert 75FPM simultaneous Ph1(sync)
4	Quad Flash 75FPM alternating (sync)
5	Quad Flash 75FPM simultaneous Ph1 (sync)
6	Quad Flash 75FPM simultaneous Ph2 (sync)
7	Single Flash 75FPM alternating (sync)
8	Single Flash 75FPM simultaneous Ph1 (sync)
9	Single Flash 75FPM simultaneous Ph2 (sync)
10	Single Flash 375FPM alternating (sync)
11	Single Flash 375FPM simultaneous Ph1 (sync)
12	Single Flash 375FPM simultaneous Ph2 (sync)
13	Action Flash alternating
14	Action Flash simultaneous
15	Module Flash alternating
16	Module Flash simultaneous
17	Active scan
18	Steady with 5 Single and Single POP
19	Steady - 5 Single
20	Steady burn
21	AUTORUN
22	Quad Flash 75FPM (NFPA)
23	Single Flash 75FPM (CAT13)
24	Double Flash 75FPM (CAT13)
25	OFF

Flash Pattern

Phase Operation

- Phase 1 (Ph1) flashes simultaneously with Phase 1 (Ph1)
- Phase 2 (Ph2) flashes simultaneously with Phase 2 (Ph2)
- Phase 1 (Ph1) flashes alternate with Phase 2 (Ph2)

3LED 4/6/8Model / 6LED 4/6/8Model

PA NO.	Description
1	Quint Flash alt - Factory Default
2	Quint Flash in - out
3	Quint Flash checker board
4	Quint Flash sim Ph1
5	Quint Flash sim Ph2
6	Quad Flash alt
7	Quad Flash in - out
8	Quad Flash checker board
9	Quad Flash sim Ph1
10	Quad Flash sim Ph2
11	Single Flash75 alt
12	Single Flash75 in - out
13	Single Flash75 checker board
14	Single Flash 75 sim Ph1
15	Single Flash 75 sim Ph2
16	Single Flash375 alt
17	Single Flash375 in - out
18	Single Flash375 checker board
19	Single Flash 375 sim Ph1
20	Single Flash 375 sim Ph2
21	Modulation Flash alt
22	Modulation Flash in - out
23	Modulation Flash checker board
24	Modulation Flash sim only
25	Quad - Quad Flash alt
26	Single - Double 60
27	Single - Double 90
28	Single - Double 120
29	AUTORUN
30	Steady Burn
31	OFF

Flash Pattern

Phase Operation

- Phase 1 (Ph1) flashes simultaneously with Phase 1 (Ph1)
- Phase 2 (Ph2) flashes simultaneously with Phase 2 (Ph2)
- Phase 1 (Ph1) flashes alternate with Phase 2 (Ph2)

4LED 2Model

PA NO.	Description
1	Quint Flash 75FPM alternating (sync) - Factory Default
2	Quint Flash 75FPM simultaneous Ph1(sync)
3	Quint Flash 75FPM simultaneous Ph2(sync)
4	Quad Flash 75FPM alternating (sync)
5	Quad Flash 75FPM simultaneous Ph1 (sync)
6	Quad Flash 75FPM simultaneous Ph2 (sync)
7	Single Flash 75FPM alternating (sync)
8	Single Flash 75FPM simultaneous Ph1 (sync)
9	Single Flash 75FPM simultaneous Ph2 (sync)
10	Single Flash 375FPM alternating (sync)
11	Single Flash 375FPM simultaneous Ph1 (sync)
12	Single Flash 375FPM simultaneous Ph2 (sync)
13	2Quad 4Single alternating
14	2Quad 4Single simultaneous
15	Module Flash alternating
16	Module Flash simultaneous
17	Active scan
18	Steady with 5 Single and Single POP
19	Steady - 5 Single
20	Steady burn
21	AUTORUN
22	Quad Flash 75FPM (NFPA)
23	Single Flash 75FPM (CAT13)
24	Double Flash 75FPM (CAT13)
25	OFF

Flash Pattern

Phase Operation

- Phase 1 (Ph1) flashes simultaneously with Phase 1 (Ph1)
- Phase 2 (Ph2) flashes simultaneously with Phase 2 (Ph2)
- Phase 1 (Ph1) flashes alternate with Phase 2 (Ph2)

4LED 4/6/8Model

PA NO.	Description
1	Quint Flash alt - Factory Default
2	Quint Flash in - out
3	Quint Flash checker board
4	Quint Flash sim Ph1
5	Quint Flash sim Ph2
6	Quad Flash alt
7	Quad Flash in - out
8	Quad Flash checker board
9	Quad Flash sim Ph1
10	Quad Flash sim Ph2
11	Single Flash75 alt
12	Single Flash75 in - out
13	Single Flash75 checker board
14	Single Flash 75 sim Ph1
15	Single Flash 75 sim Ph2
16	Single Flash375 alt
17	Single Flash375 in - out
18	Single Flash375 checker board
19	Single Flash 375 sim Ph1
20	Single Flash 375 sim Ph2
21	Modulation Flash alt
22	Modulation Flash in - out
23	Modulation Flash checker board
24	Modulation Flash sim only
25	Quad - Quad Flash alt
26	Single - Double 60
27	Single - Double 90
28	Single - Double 120
29	AUTORUN
30	Steady Burn
31	OFF