

4-channel Strobe Controller FL-34C

V 1.0 OPTIMA

Operate up to 16 strobes with this powerful, four-channel strobe controller- FL-34C has the functions to satisfy, including five dynamic strobe patterns ' three trigger modes, 1-12 fps speed control, and a choice of 1,2,4 and 8 flash repeats within each pattern.FL-34C is the strobe controller choice of professionals .

Four-channel Strobe Controller (FL-34C)

For the lighting designer who demands variety , this four-channel strobe controller comes well equipped. It has five strobe patterns, three trigger modes (automatic, manual and audio), 1-12 fps speed control. and a choice of 1,2,4 and 8 flash repeats within each pattern-This robust controller operates-up to 16 strobes at once, comes with a 19-inch aluminum casing . and has standard 1/4-inch jack outputs .

Features

- * User friendly switches and knobs
- * 5 dynamic strobe patterns
- * 1,2,4,8 flash repeats within each pattern
- * AUTO.MANUAL and AUDIO mode switch
- * 1-12fps speed control
- * Manual trigger
- * Sets up in minutes; operates traditional strobes
- * Convenient I EC power socket

warning

- * This appliance must be earthed(grounded) . Disconnect from power before removing covers or servicing- Keep case closed while operating.
- * This four-channel light modulator contains no user-serviceable parts. Servicing must be conducted by certified service personnel .
- * Keep flammable material at least one meter away from unit. Do not operate in wet conditions or near liquids .
- * If objects fall on unit, disconnect mains power supply immediately. Have a certified engineer inspect for safety before operating .
- * Never remove warning or informative labels from the unit .

Section 1 - Setting Up Inspection

Every FL-34C strobe controller by OPTIMA was thoroughly tested and shipped in

Perfect condition. carefully unpack your light modulator and remove the bag with components from the carton. Inspect equipment for shipping damage.

Packing list:

- 1.FL-34C 4channel strobe controller
- 2.IEC power cord
- 3.Operating manual

Installation

- (1) Place FL-34C strobe controller on a flat 'dry surface or install on a suitable rack.
- (2) Plug strobe power mains cords into the four channel outlets on the back of the unit Do not exceed maximum loads listed in Product Specifications.
- (3) Make sure that power supply and product input voltages are the same. Plug power cord socket into the back of the controller. Plug into power supply.
- (4) Press POWER switch to "on" position. The line on the switch will be pressed inward ' toward the controller ' and the switch itself will become lit.

Section 2 - Operation

To operate FL-34C : follow instructions regarding SPEED 、 AUTO 、 MANUAL 、 AUDIO MODES 、 CHANNEL 、 TRIGGER 、 MODE 、 DELAY controls.

SPEED

Adjust the flash speed by turning this knob : The further clockwise ' the faster the patterns progress ; the further counter-clockwise , the slower the patterns progress.

AUTO-MANUAL-AUDIO

This is the trigger control. Adjust this switch position to choose different trigger modes.

AUTO

In AUTO position : strobe flash sequences are triggered automatically.

MANUAL

In MANUAL position : press TRIGGER to start flash sequences.

AUDIO

In AUDIO position : sound triggers flash sequences.

CHANNEL

These are channel off/on switches. Activate and deactivate channels by pressing these switches.

TRIGGER

Press TRIGGER in manual mode to start a sequence of flashes.

MODE

To select a pattern , turn the MODE knob. There are five positions which correspond to five patterns , or modes:

Mode 1 : Strobes flash from left to right.

Mode 2 : All strobes flash at the same time.

Mode 3 : Strobes on channels one and two flash first ,then strobes on channels three and four flash.

Mode 4 : Strobes on channels one and three flash first ,then strobes on channels two and four.

Mode 5 : A combination mode , flash patterns run through the entire sequence of patterns , from mode 1 to mode 4.

For an instant reference , please refer to the chart below:

Mode 1				Mode 2				Mode 3				Mode 4			
CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4
1	0	0	0	1	1	1	1	1	1	0	0	1	0	1	0
0	1	0	0	0	0	0	0	0	0	1	1	0	1	0	1
0	0	1	0	1	1	1	1	1	1	0	0	1	0	1	0
0	0	0	1	0	0	0	0	0	0	1	1	0	1	0	1

*Note : Vertical columns represent controller output channels. Horizontal rows represent movements in a pattern. 1 represents a flash on the corresponding channel ; 0 represents no flash on the corresponding channel.

DELAY

Turn the DELAY knob to determine the number of flash in a pattern. On 1, each strobe flashes once per movement in a pattern. On 8, each strobe flashes eight times per movement in a pattern.

*Note : Under some modes and speeds ' the strobes cannot react fast enough to flash several times.

Trouble Shooting

Problem : The strobes don't flash.

Solution:

1. Check power supply and power mains. Check connections. Make sure the POWER switch is "on": The circle should be pressed inward ' toward the controller.
2. Check the strobe cables and connections. Check whether the strobes operate properly with another controller.
3. Visit a qualified service technician for repairs. Always refer to a qualified technician for servicing.

Product Specifications

Model: FL-34C

Voltage : 120V-60Hz

Power: 100W

Fuse: T1A/250V

Dimensions: 453 x 77x90mm

Weight: 2.1 Kg

Signal jack : 1/4" (6.35mm) ϕ mono microphone jack

Output Signal: 0-10VDC/50mA X 4CH

Channels: 4

Maximum load per channel : 4 strobe units

Maximum load total : 16 strobe units