

# RYGER

Manufacture of Lighting Effects and Control  
Systems for the Entertainment Industries

## FOOTLIGHT 4 Stage Controller

### Instruction Manual

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## Description

The Footlight controller is designed for the small group or one man band. It enables a guitar player , or singer to operate his own lighting. It features 16 chase patterns , internal microphone , chase speed selection, Blackout, Flood and next pattern. The unit will control 1KW per channel up to a total of 3.1KW for the whole unit.

## Connections

### Mains Input

The unit comes supplied with a British type mains lead and plug. If you have a different type of socket you will have to change this plug .The wire colour code is as follows :-

BROWN	LIVE
YELLOW / GREEN	EARTH $\perp$
BLUE	NEUTRAL

### WARNING

If you remove the plug for a hard wired installation the power feed into this unit **MUST** be fed via a means of isolation. Ensure that during the operation of this unit ,the total load does not exceed the capabilities of the mains supply.

### Outputs

The outputs of the unit are presented on a Bulgin connector, connections as follows:-

1 EARTH $\perp$	5 Channel 1
2 Channel 4	6 No Connection
3 Channel 3	7 Lamp common
4 Channel 2	8 Lamp common

The lamps are wired between a channel output and one of the lamp commons. The cable used should be of an adequate size to handle the lamp load.

**If you are unsure about any of the above please contact an electrician or your dealer.**

### Sound

The Footlight has its own internal microphone and does not require any external connection to sound.

# Operation

## Sound level

The amount the chase is triggered by sound can be adjusted by the **Sound level control** from **Min.** (Fully Anti-clockwise ,Chase speed only) to **Max.** ( fully clockwise ,Sound most sensitive).

## Chase speed

The speed of the chase can be adjusted by the **Chase speed control** from Slow (Fully Anti clockwise ,no chase) up to Fast (Fully Clockwise).

## Blackout

Push the **Blackout** button to Turn off all of the light outputs. To release **Blackout** press the **Blackout** button again. Blackout overrides flood.

## Flood

Push **Flood** to turn all of the light outputs on . (unless in blackout). To release **Flood** press the **Flood** button again.

## Next pattern

Pressing **Next Pattern** allows you to change the chase pattern . Repeated operation of this button will step through all 16 chase patterns.

# Maintenance

## Fuse changing



If one channel stops working check any external wiring and fuses. Disconnect the supply and remove the lid. The four fuses can easily be replaced. **Do not reconnect the supply until the lid has been replaced.** If you are in any doubt or if the unit will still not work contact your dealer. Fuses are not covered by our guarantee.

## Triac Changing



To change a triac **First Remove the power from the unit.** Remove the lid. The triacs can easily be replaced by simply unscrewing the triac tab and removing the triac from its holder. Replace the triac by inserting a new triac into the holder and screwing the tab back onto the heatsink. Triacs must be replaced with a direct equivalent. **Do not operate the unit with the lid removed.** Triacs are not covered by our guarantee.

# Specification

Size	160x145x60mm
Weight	1Kg Approx.
Sound	Internal microphone
Max. load per channel	1KW Resistive 600W inductive
Max. Load total	3.1KW Resistive 2.4KW inductive
Triacs	BTA08 600TW
Fuses	4x20mm 5A HRC
Power supply	220-250Vac 50/60Hz

The Footlight 4 conforms to EN 60730-2-1, EN60335-1, EN50082 and EN55014

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