

SHOWCRAFT

# Colourset

Series 2

## CONTROLLER OPERATING INSTRUCTIONS

SHOWCRAFT AUSTRALIA  
937 BOURKE STREET  
WATERLOO NSW 2017  
PHONE: +61-2-96983009  
FAX: +61-2-96999570

## **INTRODUCTION**

---

The Colourset Controller is a stand alone unit that provides quick and easy control of all models of Colourset scrollers. The controller has a memory capability of sixty-four scenes which can be created, stored for instant recall and retained during long periods of storage. It features a programmable cue sequence which can be triggered by a single key or automatically by the internal timer. All keys are fitted with a visual status indicator which provide preview facilities. High speed digital data is output via a 5pin XLR connector. The controller can be placed up to two hundred metres from the units.

### CHANNEL 1-16

One or more channels can be activated and the led indicates which channels are currently active.

The channel numbers directly correspond to the channel numbers assigned on each changer. Thumbwheel selectors are located on the rear of each changer.

### COLOUR 1-16

The second row of keys on the controller are the colour selection keys which correspond to the gels in the scroll. For example 1 is the first colour gel, 2 is the second colour gel etc. up to a maximum of sixteen colours.

*Note:* A channel must be selected before a colour can be selected.

### MEMORY 1-16

The bottom row of keys on the controller select each individual scene memory. These keys operate in conjunction with a preselected page key (P1,P2,P3,P4) located memories in each page giving a total of 64 memories

P1,P2,P3,P4 Selects a page of memory.

### MAX,FAST,SLOW

These three keys are the scroll speed control keys.

#### Max

Selects the maximum colour change speed

#### Fast & Slow

Press either the fast or slow key to access a preset variable speed.

Press and hold down either Fast to increase or Slow to decrease the speed.

If AUTO is on together with LIVE mode then the Fast and Slow keys no longer react as scroll speed controls. These two keys now change a preset timer which automatically steps the auto sequence function

### GO

When "LIVE" is off, the next scene can be preselected. Pressing "GO" activates the preselected scene.

### STORE

Records scenes into the memory and sequences for "AUTO" function.  
(Refer to "Recordings")

### AUTO

Enables an automatic sequencing of scenes up to 99 steps.  
(Refer to "Recording A Sequence")

### LIVE

Enables instant output to the changers

## **MANUAL OPERATIONS**

---

### **"LIVE" MODE**

Set "AUTO" off

Set "LIVE" on

Select speed of changers (MAX/FAST/SLOW)

Select a channel or group of channels

(Note - the channels correspond to the numbers assigned to the thumbwheels on the rear of each changer)

Select a colour

The units selected will all change to the colour selected.

### **TO PRESELECT A SCENE**

Set "LIVE" off, "AUTO" off

Select speed of change (MAX/FAST/SLOW)

Select a channel or group of channels

Select a colour

Select another channel or group of channels

Select speed of change (MAX/FAST/SLOW) if necessary.

Select a colour

When the complete scene is preset, press "GO"

This method will allow the user to set up the next scene without changing the current one until "GO" is pressed.

---

## **RECORD TO MEMORY**

---

### **TO RECORD A SCENE**

Set "LIVE" off, "AUTO" off  
Select a channel or group of channels  
Select speed of change(MAX/FAST/SLOW)  
Select desired colour  
Press "GO"  
Repeat above steps until scene is set  
Then select a page (P1/P2/P3/P4)  
Press and hold "STORE" then while holding down,  
press the desired memory key (1....16)

### **TO REPLAY A SCENE MEMORY**

#### **FOR INSTANT REPLAY**

Set "LIVE" on  
Select a desired page (P1/P2/P3/P4)  
Select desired memory (1.....16)

#### **FOR PRESELECTED REPLAY**

Set "LIVE" off  
Select desired page  
Select desired memory  
Press "GO" when ready

### **TO RECORD A SEQUENCE**

Set "LIVE" off  
Select desired page  
Set "AUTO" on  
Press and hold "STORE" then while holding down, press desired memory  
(1....16) which will become the first step in the sequence  
Repeat last two steps until full sequence is done Do not hold "STORE" down  
whilst selecting another page as this will add another step into the sequence

### **TO REPLAY A MANUAL SEQUENCE**

Set "LIVE" off, "AUTO" on,  
Press "GO" when ready to change scene  
Press "BACK" if you wish to step back a scene

### **TO REPLAY AN AUTOMATIC SEQUENCE**

Set "AUTO" on, "LIVE" off,  
Select sequence speed (FAST/SLOW)  
Set "LIVE" on to start preprogrammed sequence

## **CONTROLLER TROUBLESHOOTING**

---

### **UNITS DO NOT RESPOND TO CONTROLLER**

Controller is turned on  
Fuse at rear of controller  
Lead from controller to power supply

Check "LEDS" on "Data Input" on power supply

### **TWO LEDS ON**

indicates data is being correctly received  
by the power supply hence problem is power  
supply, units or leads in between

### **ONE LED ON**

controller malfunction - contact dealer

### **NO LEDS ON**

indicate data is not being received by power supply.  
Check - controller is on lead and/or fuse at rear of controller

## **SPECIFICATIONS**

---

### **CONTROLLER**

Channels - 16  
Scene Memories - 64  
Step Sequences - 99  
Signal Output via 5 pin XLR  
Voltage - 240v/110v  
Weight - 2.4kg  
Size - 450 x 180 x 65mm

### **CABLE**

The cable from the controller to the power supply can be either DMX signal or four core cable (maximum 200 metres). Pins 2 & 3.  
DMX signal cables must NOT be used from the power supply to the colourchanger units.

### **CONTROLLER FUSE**

Mains fuse at rear of unit  
20mm Type "T" HBC

250mA Fuse / 240V  
500mA Fuse / 110V