SHOWPRO
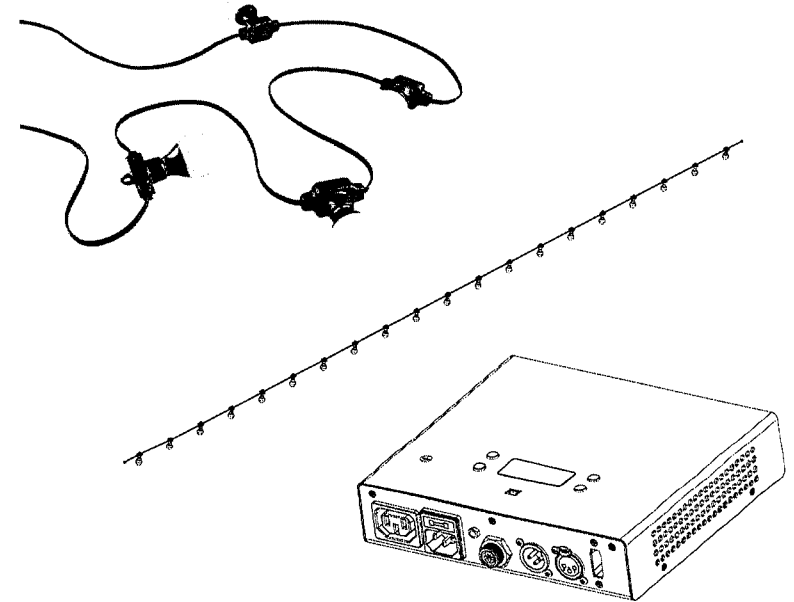
Outdoor-rated RGB LED festoon lighting system
with dedicated controller / DMX interface

dreamfest

dreamfest DRIVER

SHOWPRO
www.showtech.com.au

USER MANUAL

EN

TABLE OF CONTENTS

PACKING CONTENT

- DREAMFEST or DREAMFEST DRIVER
- This user manual is included with both the Dreamfest LED strand and the Dreamfest Driver.
- Power cord is included with Dreamfest Driver
- Warranty cord
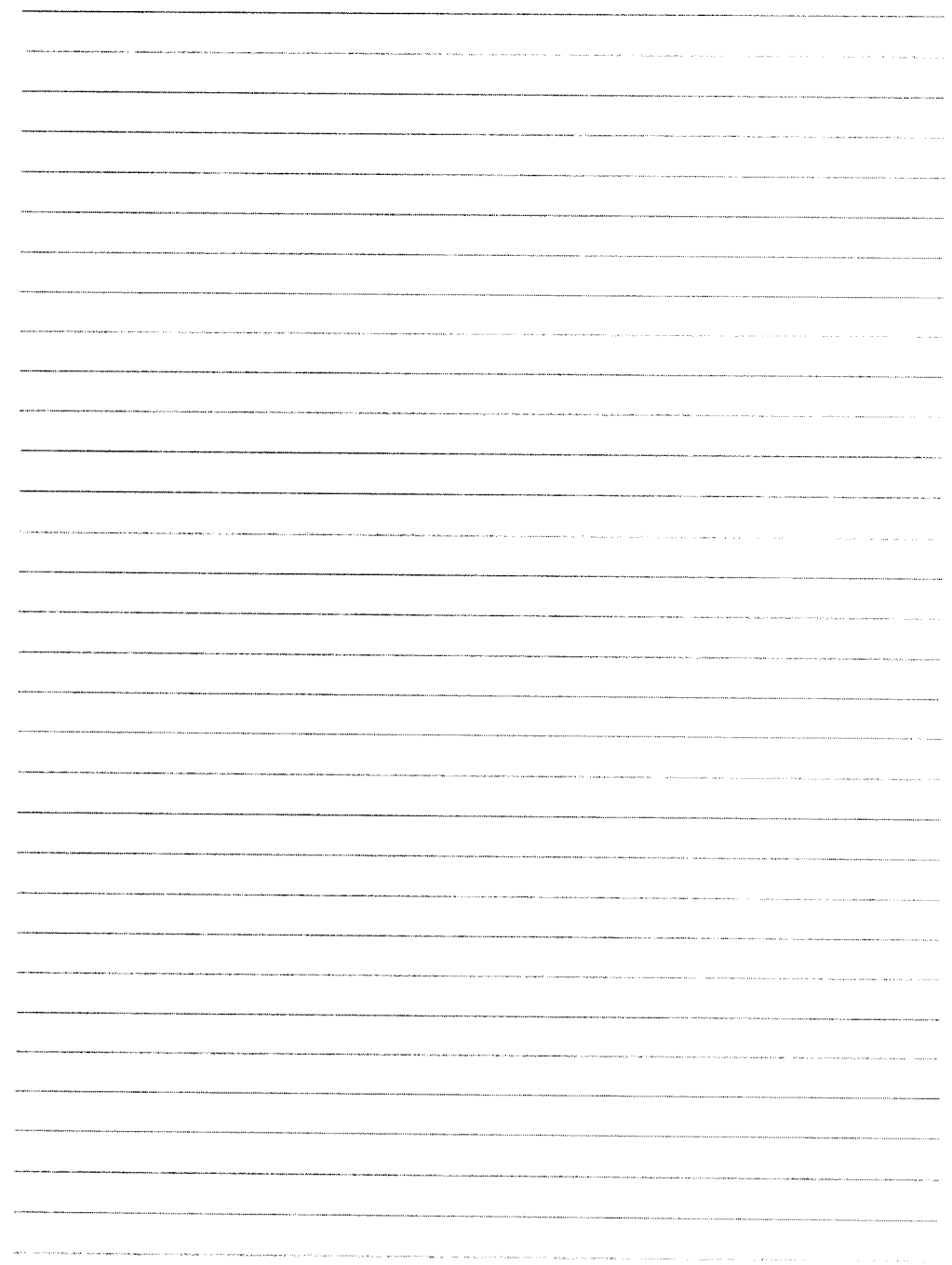
WARNING! Before carrying out any operations with the unit, carefully read this instruction manual and keep it with cure for future reference. It contains important information about the installation, usage and maintenance of the unit.

SAFETY

General instruction

- The products referred to in this manual conform to the European Community Directives and are therefore marked with C€.
- The unit is supplied with hazardous network voltage (230V~). Leave servicing to skilled personnel only. Never make any modifications on the unit not described in this instruction manual, otherwise you will risk an electric shock.
- Connection must be made to a power supply system fitted with efficient earthing (Class I appliance according to standard EN 60598-1). It is, moreover, recommended to protect the supply lines of the units from indirect contact and/or shorting to earth by using appropriately sized residual current devices.
- The connection to the main network of electric distribution must be carried out by a qualified electrical installer. Check that the main frequency and voltage correspond to those for which the unit is designed as given on the electrical data label.
- This unit is not for home use, only professional applications.
- Never use the fixture under the following conditions:
  - in places subject to vibrations or bumps;
  - in places with a temperature of over 45 °C.
- Make certain that no inflammable liquids, water or metal objects enter the fixture.
- Do not dismantle or modify the fixture.
- All work must always be carried out by qualified technical personnel. Contact the nearest sales point for an inspection or contact the manufacturer directly.
- If the unit is to be put out of operation definitively, take it to a local recycling plant for a disposal which is not harmful to the environment.

Warnings and installation precautions

- If this device will be operated in any way different to the one described in this manual, it may suffer damage and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short circuit, burns, electric shock, etc.
- Before starting any maintenance work or cleaning the projector, cut off power from the main supply.
- Always additionally secure the projector with the safety rope. When carrying out any work, always comply scrupulously with all the regulations (particularly regarding safety) currently in force in the country in which the fixture's being used.
- Install the fixture in a well ventilated place.
- Keep any inflammable material at a safe distance from the fixture.
- Shields, lenses or ultraviolet screens shall be changed if they have become damaged to such an extent that their effectiveness is impaired.
- The lamp (LED) shall be changed if it has become damaged or thermally deformed.
- Never look directly at the light beam. Please note that fast changes in lighting, e. g. flashing light, may trigger epileptic seizures in photosensitive persons or persons with epilepsy.
- Do not touch the product's housing when operating because it may be very hot.

INTRODUCTION

DREAMFEST is an outdoor-rated RGB LED festoon lighting system.

FEATURES
- 15-meter strand with 20 bulbs at 75cm spacing
- Connect up to 3 strands per driver
- Individual 3-channel DMX controllable full-color bulbs
- Low-voltage hot-swappable bulbs
- IP65 rated strand and extension leads

SPECIFICATIONS
Light Source:	RGB LED cluster enclosed in frosted bulb
Strobe:	1 ~ 16 Hz
Dimming:	4 selectable dimming curves
Control modes:	DMX, stand-alone (auto), sound-active, infrared, UFI
DMX Channels:	60 channels per strand (RGB mode)
Power:	39W per strand
Power/Data connections:	4-pin REF43 (to DreamFest Driver)
IP rating:	IP65
Cooling:	Passive
Dimensions:	60mm (bulb diameter) x 133mm (bulb height) x 15m (strand length)
Weight:	2.75 KG

DREAMFEST DRIVER is the power/control interface for DREAMFEST.

FEATURES
- Powers and controls up to 3 DreamFest strands
- Multiple DMX modes (3 / 9 / 60 / 120 or 180 channels)
- Onboard menu with color and program selection
- Control options include sound-active, infrared remote control, UFI or DMX
- Selectable dimmer modes allows for fine-tuning of fades and chase effects
- 38 built-in auto & sound-active programs to choose from using onboard menu or IR6 remote
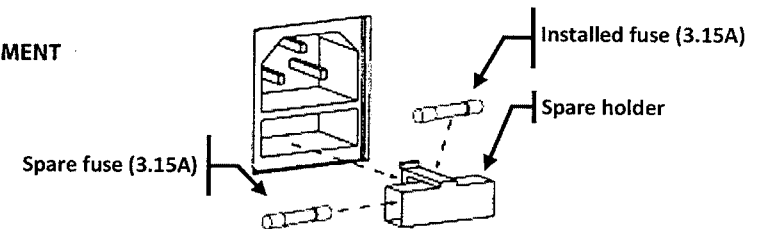- Indoor-rated

SPECIFICATIONS
Maximum strand length:	Up to 60 meters (combined festoon strand + extension cable length)
Control modes:	DMX, stand-alone (auto), sound-active, infrared, UFI
DMX Channels:	3 / 9 / 60 / 120 / 180
Built-in Programs:	38 auto and sound-active programs with program speed control
Menu:	4-digit LED display
Mains:	100V ~ 240V 50/60Hz
Power consumption:	145W
Power connections:	IEC In/Out
Data connections:	3-pin DMX In/Out
	4-pin REF43 (to festoon strand)
IP rating:	IP20
Cooling:	Passive
Dimensions:	201mm x 213mm x 50mm
Weight:	1.6 KG

MAINTENANCE

MAINTENANCE AND CLEANING THE UNIT
- Make sure the area below the installation place is free from unwanted persons during setup.
- Switch off the unit, unplug the main cable and wait until the unit has cooled down.
- All screws used for installing the device and any of its parts should be tightly fastened and should not be corroded.
- Housings, fixations and installation spots (ceiling, trusses, suspensions) should be totally free from any deformation.
- The main cables must be in impeccable condition and should be replaced immediately even when a small problem is detected.
- It is recommended to clean the front at regular intervals, from impurities caused by dust, smoke, or other particles to ensure that the light is radiated at maximum brightness. For cleaning, disconnect the main plug from the socket. Use a soft, clean cloth moistened with a mild detergent. Then carefully wipe the part dry. For cleaning other housing parts use only a soft, clean cloth. Never use a liquid, it might penetrate the unit and cause damage to it.

FUSE REPLACEMENT

Installed fuse (3.15A)

Spare holder

Spare fuse (3.15A)

TROUBLESHOOTING

Problems	Possible causes	Checks and remedies
Fixture does not light up	• No mains supply • Dimmer fader set to 0 • All color faders set to 0 • Faulty LED • Faulty LED board	• Check the power supply voltage • Increase the value of the dimmer channels • Increase the value of the color channels • Replace the LED board • Replace the LED board
General low light intensity	• Dirty lens assembly • Misaligned lens assembly	• Clean the fixture regularly • Install lens assembly properly
Fixture does not power up	• No power • Loose or damaged power cord • Faulty internal power supply	• Check for power on power outlet • Check power cord • Replace internal power supply
Fixture does not respond to DMX	• Wrong DMX addressing • Damaged DMX cables • Bouncing signals	• Check control panel and unit addressing • Check DMX cables • Install terminator as suggested

Contact an authorized service center in case of technical problems or not reported in the table can not be resolved by the procedure given in the table.

MASTER/SLAVE OPERATION (via UFI wi-fi transceiver)

DREAMFEST DRIVERs can operate in Master/Slave mode wirelessly using the optional UFI wi-fi transceiver. The master UFI-enabled unit can be operated in Auto mode or by the IR6 infrared remote, with the UFI set to transmit. The slave units should all be set to slave mode, with the UFI set to receive.

Note: Slave units should be configured before configuring master unit
Note: All units should be set to same DMX address, mode and UFI channel

Setup as below:

SLAVE UNITS:

Press MENU button until **3-CH** or **9-CH** is displayed
Press ENTER
Set DMX address to **d 1**
Set UFI to preferred receiving channel (1-16)
Attach UFI to the DREAMFEST DRIVER's USB port

MASTER UNIT:

Press MENU button until DMX mode is displayed that matches slave configuration
Press ENTER
Set DMX address to **d 1**
Set to Auto mode or control by IR6 infrared remote
Set UFI to chosen transmitting channel (1-16)
Attach UFI to the DREAMFEST DRIVER's USB port

OVERVIEW

Power/data to Dreamfest strand(s)   Power In   Power Out

UFI port

DMX In / Out

Threaded Mounting Clamp Receiver

Safety Cable Anchor

Menu Display

IR Sensor

Menu Navigation Buttons

Wall Mounting Slots

DIMENSIONS

DREAMFEST
STRAND

48. 7

49. 6

DREAMFEST
DRIVER

213

190 201

15000
14250

750

133   Ø60
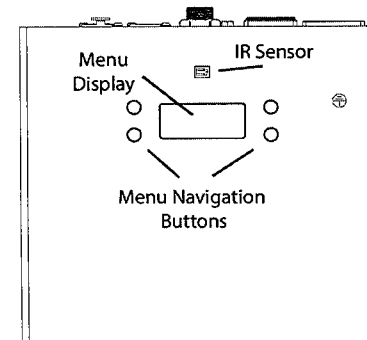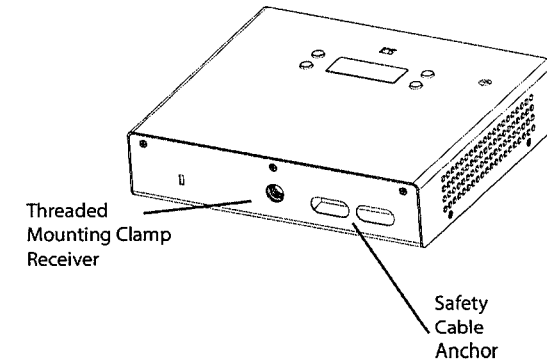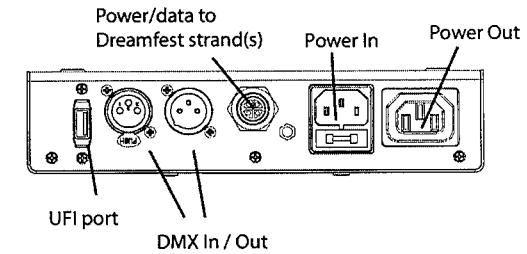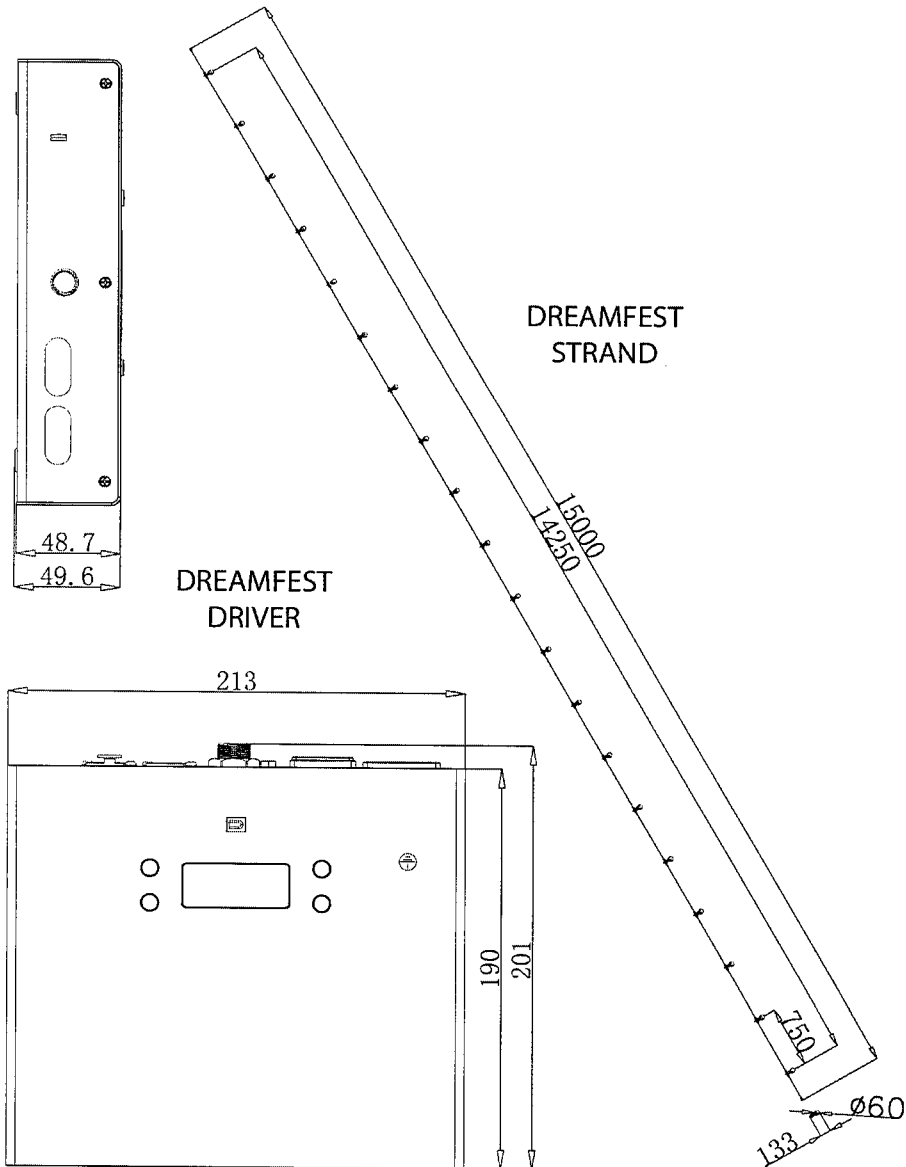
MASTER/SLAVE OPERATION (via DMX cable)

When multiple DREAMFEST DRIVER units are used together, Master/Slave mode enables the assignment of one master unit and multiple slave units. The master unit can be operated in stand-alone mode or by IR6 infrared remote control. The slave units should all be set to slave mode.

Note: Slave units should be configured and connected before linking to master unit

Setup as below:
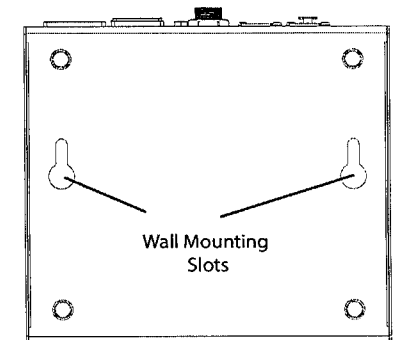
SLAVE UNITS:

Press MENU button until **3-CH or 9-CH** is displayed
Press ENTER
Set DMX address to **d 1**
Connect DMX cable from master unit to DMX In connector
Link following slave units in similar cable configuration

MASTER UNIT:

Set to Auto or control with IR6 infrared remote
Link to slave units, beginning from the master DMX Out connector

INFRARED (IR6) REMOTE CONTROL OPERATION

The (optional) IR6 infrared controller enables remote control of the DREAMFEST DRIVER.

To pair the IR6 to the DREAMFEST DRIVER, follow these steps:

1. Press MENU button until **Ser** is displayed
2. Press ENTER
3. Press UP or DOWN to turn infrared operation ON or OFF
4. Press ENTER

IR6 BUTTON FUNCTIONS

AUTO	: Run auto programs
FADE	: Fade auto programs
SPEED	: Enable speed adjustment of auto programs
+ / -	: Increase / decrease speed of auto programs
SOUND	: Activate sound-active mode
SENSITIVITY	: Enable sound sensitivity adjustment
+ / -	: Increase / decrease sound sensitivity
MANUAL	: Enable manual selection of colors
0 - 9	: Press numbers between 0 - 9 to choose colors
R G B	: Press MANUAL, then Press **R G** or **B** buttons
+ / -	: Increase / decrease output of each color using +/- buttons
%	: Adjusts total output level
+ / -	: Increase / decrease output level
STROBE	: Enable adjustment of strobe rate
+ / -	: Increase / decrease strobe rate
STROBE	: Press again to turn off strobe
BLACKOUT	: Turn off all output
BLACKOUT	: Press again to exit blackout mode
Note:	: If IR6 remote is not responding, press BLACKOUT to confirm that blackout mode was not mistakenly activated
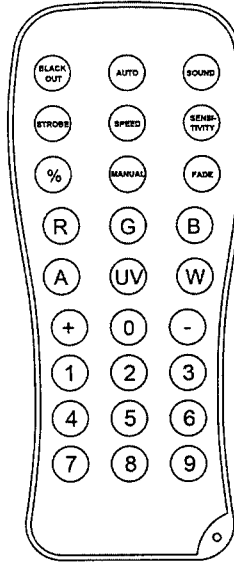
CONTROL MENU OVERVIEW

CONTROL PANEL

BUTTON	FUNCTION
Menu	Selects operating mode or exits submenus
Up	Scrolls up through option lists or selects higher value
Down	Scrolls down through option lists or selects lower value
Enter	Activates displayed menu option or selected value

FUNCTION MENU CHART

MODE	OPTIONS / VALUES		DESCRIPTION
3-CH	d 1–512		3-channel DMX mode
9-CH	d 1–512		9-channel DMX mode
60-CH	d 1–512		60-channel DMX mode (1 strand - RGB)
120-CH	d 1–512		120-channel DMX mode (2 strands - RGB)
180-CH	d 1–512		180-channel DMX mode (3 strands - RGB)
C--	C 1–19		Static color selection
P-- (Automatic)	P 1 - 34		Auto Programs
	P 35		Programs 1-8 (loop)
	P 36		Programs 9-15 (loop)
	P 37		Programs 16-26 (loop)
	P 38		Programs 35-37 (loop)
S--	S 1–100		Program speed for P1 - 38
Snd (Sound-Active)			Activate sound-active mode
SenS	u 0–u100		Sound Sensitivity
U--	r-- (Red)	r 0–255	Custom static colors Combines red, green, and blue
	g-- (Green)	g 0–255	
	b-- (Blue)	b 0–255	
dIM	OFF		Dimmer curve mode selection
	dIM1		
	dIM2		
	dIM3		
SEr	On		Turns infrared on or off
	OFF		
Led	Led1	1-strand	Select 1-strand, 2-strand, or 3-strand mode
	Led2	2-strands	
	Led3	3-strands	

UFI OPERATION

To enable wireless DMX operation via the optional UFI wi-fi transceiver:

1) Set the DREAMFEST DRIVER starting DMX address
2) Set the UFI sending/receiving channel
3) Attach the UFI to the DREAMFEST DRIVER USB port
4) Use Dipswitch 5 to select UFI send or receive mode.

RECEIVING (switches 1 2 3 4)

Channel 1
Channel 2
Channel 3
Channel 4
Channel 5
Channel 6
Channel 7
Channel 8
Channel 9
Channel 10
Channel 11
Channel 12
Channel 13
Channel 14
Channel 15
Channel 16

TRANSMITTING (switches 1 2 3 4)

Channel 1
Channel 2
Channel 3
Channel 4
Channel 5
Channel 6
Channel 7
Channel 8
Channel 9
Channel 10
Channel 11
Channel 12
Channel 13
Channel 14
Channel 15
Channel 16

OPERATING MODE PRIORITY RANK

Higher priority control modes override lower priority modes

1. UFI
2. DMX (wired)
3. Infrared (IR6 remote)
4. Manual (onboard menu)

STAND-ALONE OPERATION

AUTO PROGRAM MODE
Press MENU button until **P--** is displayed
Press ENTER
Press UP or DOWN to select program (**P 1-38**)
Press ENTER

SELECTING PROGRAM SPEED
Press MENU button until **S--** is displayed
Press UP or DOWN to select speed (**S 1-100**)
Press ENTER

SOUND-ACTIVE MODE
Press MENU button until **Snd** is displayed
Press ENTER

ADJUSTING SOUND SENSIVITY
Press MENU button until **Sens** is displayed
Press UP or DOWN to adjust mic sensitivity (**u 0-100**)
Press ENTER

PRESET COLOR SELECTION
Press MENU button until **C--** is displayed
Press ENTER
Press UP or DOWN to select static color (**C 1-19**)
Press ENTER

COLOR MIXING
Press MENU button until **U--** is displayed
Press ENTER to select **r__, g__ or b__**
Press UP or DOWN to select color output levels
Repeat until desired color output is achieved

DIMMING CURVE SELECTION
Press MENU button until **dIM** is displayed
Press ENTER
Press UP or DOWN to select **dIM1** (fast), **dIM2** (medium), **dIM3** (slow), or **OFF**
Press ENTER

DREAMFEST STRAND QUANTITY MODE SETTING
Press MENU button until **Led** is displayed
Press ENTER
Press UP or DOWN to select **Led1** (1 strand) or **Led2** (2 strands) or **Led3** (3 strands)
Press ENTER

DMX FUNCTION CHART

120-CHANNEL MODE

120CH	Function	Value	Percent/Setting
1	Red1	000-255	0~100%
2	Green1	000-255	0~100%
3	Blue1	000-255	0~100%
4	Red2	000-255	0~100%
5	Green2	000-255	0~100%
6	Blue2	000-255	0~100%
.....	....	....	....
115	Red39	000-255	0~100%
116	Green39	000-255	0~100%
117	Blue39	000-255	0~100%
118	Red40	000-255	0~100%
119	Green40	000-255	0~100%
120	Blue40	000-255	0~100%

180-CHANNEL MODE

180CH	Function	Value	Percent/Setting
1	Red1	000-255	0~100%
2	Green1	000-255	0~100%
3	Blue1	000-255	0~100%
4	Red2	000-255	0~100%
5	Green2	000-255	0~100%
6	Blue2	000-255	0~100%
......	......	......	......
175	Red59	000-255	0~100%
176	Green59	000-255	0~100%
177	Blue59	000-255	0~100%
178	Red60	000-255	0~100%
179	Green60	000-255	0~100%
180	Blue60	000-255	0~100%

DMX FUNCTION CHART

3-CHANNEL MODE

3CH	Function	Value	Percent/Setting
1	Red	000-255	0~100%
2	Green	000-255	0~100%
3	Blue	000-255	0~100%

9-CHANNEL MODE

9CH	Function	Value	Percent/Setting
1	Dimmer	000-255	0~100%
2	Red	000-255	0~100%
3	Green	000-255	0~100%
4	Blue	000-255	0~100%
5	Color Macro	000-010	No Function
		011-030	R 100% G 0~100% B 0
		031-050	R 100%~0 G 100% B 0
		051-070	R 0 G 100% B 0~100%
		071-090	R 0 G 100%~0 B 100%
		091-110	R 0~100% G 0 B 100%
		111-130	R 100% G 0 B 100%~0
		131-150	R 100% G 0~100% B 0~100%
		151-170	R 100%~0 G 100%~0 B 100%
		171-200	R 100% G 100% B 100%
		201-205	Color 1
		206-210	Color 2
		211-215	Color 3
		216-220	Color 4
		221-225	Color 5
		226-230	Color 6
		231-235	Color 7
		236-240	Color 8
		241-245	Color 9
		246-250	Color 10
		251-255	Color 11
6	Strobe	000-010	No Function
		011-255	Strobe slow to fast

DMX FUNCTION CHART
9-CHANNEL MODE

		000-010	No Function
		011-016	Auto Program1
		017-022	Auto Program2
		023-028	Auto Program3
		029-034	Auto Program4
		035-040	Auto Program5
		041-046	Auto Program6
		047-052	Auto Program7
		053-058	Auto Program8
		059-064	Auto Program9
		065-070	Auto Program10
		071-076	Auto Program11
		077-082	Auto Program12
		083-088	Auto Program13
		089-094	Auto Program14
		095-100	Auto Program15
		101-106	Auto Program16
		107-112	Auto Program17
		113-118	Auto Program18
		119-124	Auto Program19
7	Auto and Sound Programs	125-130	Auto Program20
		131-136	Auto Program21
		137-142	Auto Program22
		143-148	Auto Program23
		149-154	Auto Program24
		155-160	Auto Program25
		161-166	Auto Program26
		167-172	Auto Program27
		173-178	Auto Program28
		179-184	Auto Program29
		185-190	Auto Program30
		191-196	Auto Program31
		197-202	Auto Program32
		203-208	Auto Program33
		209-214	Auto Program34
		215-220	Auto Program35 (Program 1-8)
		221-226	Auto Program36 (Program 9-15)
		227-232	Auto Program37 (Program 16-26)
		233-238	Auto Program38 (Program 35-37)
		239-255	Sound program

DMX FUNCTION CHART
9-CHANNEL MODE

		Programs Speed	000-255	Slow to fast
8		Sound Sensitivity	000-010	Sound sensitivity OFF
			011-255	Control the sound sensitivity
9	Dimmer Speed Mode		000-051	Preset dimmer speed from display menu
			052-101	Dimmer speed mode off
			102-152	Dimmer speed mode 1 (fast speed)
			153-203	Dimmer speed mode 2 (middle speed)
			204-255	Dimmer speed mode 3 (slow speed)

60-CHANNEL MODE

60CH	Function	Value	Percent/Setting
1	Red1	000-255	0~100%
2	Green1	000-255	0~100%
3	Blue1	000-255	0~100%
4	Red2	000-255	0~100%
5	Green2	000-255	0~100%
6	Blue2	000-255	0~100%
.....	....	....	....
55	Red19	000-255	0~100%
56	Green19	000-255	0~100%
57	Blue19	000-255	0~100%
58	Red20	000-255	0~100%
59	Green20	000-255	0~100%
60	Blue20	000-255	0~100%