



Shogun Club G-40

ORDERCODE 32020



SHOWELECTRONICS FOR PROFESSIONALS

SHOGUN Club G-40

DMX-Kanalzuordnung und Werte

Kanal 1 Betriebsmodus	
Wert	Funktion
0-63	Aus
64-127	Auto Durchlauf
128-255	DMX manual control

Kanal 2 Strahlmodus	
Wert	Funktion
0-63	Normal
64-127	Schnell Unterbrochen
128-191	Nie Unterbrochen
192-255	Laser aus

Kanal 3 Muster/Bilder/Texte Auswahl		
Wert	Funktion	
0	Text	WELCOME
1	Muster	Stern in Strichkreis
2	Muster	Ying-Yang Strichkreis
3	Muster	Rechteck mit Raute
4	Muster	3 Quadrate
5	Muster	Rechteck eingedrückt
6	Muster	8 Kreise im Kreis
7	Muster	Propeller 4 Flügel
8	Muster	Propeller 6 Flügel
9	Muster	Propeller 8 Flügel
10	Muster	Karo
11	Muster	Boomerang links
12	Muster	Malteserkreuz
13	Muster	Dreieck-Oszillogramm
14	Muster	4 Rauten
15	Muster	Pyramide
16	Muster	Schnecke 1
17	Muster	Schnecke 2
18	Muster	Schnecke 3
19	Muster	2 Quadrate nebeneinander
20	Muster	6 Quadrate 3 x 2
21	Muster	9 Quadrate 3 x 3
22	Muster	25 Quadrate 5 x 5
23	Muster	5 Eck
24	Muster	6 Eck
25	Muster	7 Eck
26	Muster	8 Eck
27	Muster	Pentagramm
28	Muster	Hexagramm
29	Muster	Heptagramm
30	Muster	Oktagramm
31	Muster	Dekagramm
32	Muster	Stern 5 Zacken
33	Muster	Schnecke 4
34	Muster	Stern 3 Zacken
35	Muster	Stern 4 Zacken
36	Muster	Stern 6 Zacken
37	Muster	Stern 8 Zacken
38	Muster	Strich Stern 3
39	Muster	Strich Stern 4
40	Muster	Strich Stern 5
41	Muster	Strich Stern 6
42	Muster	Strich Stern 7
43	Muster	Zick-Zack 1
44	Muster	Zick-Zack 2
45	Muster	Zick-Zack 3
46	Muster	Oktagramm 2
47	Muster	Strich Quer
48	Muster	Strich Quer oben/unten
49	Muster	Strich Quer unterbrochen oft
50	Muster	Strich Quer unterbrochen 3 mal
51	Muster	Strich Quer unterbrochen 1 mal
52	Muster	Kreis unterbrochen oft 1
53	Muster	Kreis unterbrochen oft 2
54	Muster	Kreis unterbrochen oft 3
55	Muster	Kreis unterbrochen 6 mal
56	Muster	Quadrat unterbrochen 8 mal
57	Muster	Quadrat
58	Muster	Quadrat unterbrochen oben & unten
59	Muster	Quadrat unterbrochen 12 mal
60	Muster	Quadrat unterbrochen 4 mal Ecken
61	Muster	Quadrat unterbrochen 12 mal
62	Muster	Quadrat unterbrochen 4 mal Mitte
63	Muster	Dreieck
64	Muster	Dreieck unterbrochen 9 mal

Kanal 4 Drehen Z-Achse & Zeichenfrequenz	
Wert	Funktion
0-63	Normal
64-127	Drehen
128-191	Punkt-Modus
192-255	Drehen & Punkt-Modus

Kanal 5 Drehen	
Wert	Funktion
0-63	Normal
64-127	Y-Achse
128-191	X-Achse
192-255	X/Y-Achse

Kanal 6 Stauchen/Strecken X/Y-Achse	
Wert	Funktion
0-63	Normal
64-127	Y-Achse
128-191	X-Achse
192-255	X/Y-Achse

Kanal 7 Bewegen	
Wert	Funktion
0-63	Normal
64-127	Y-Achse
128-191	X-Achse
192-255	X/Y-Achse

Kanal 8 Geschwindigkeit	
Wert	Funktion
0-22	Normal
23-45	Langsam
46-68	↓
69-91	
92-114	
115-137	
138-160	
161-183	
184-206	
207-229	
230-252	
253-255	
253-255	Schnell

Kanal 9 Zeichen Geschwindigkeit	
Wert	Funktion
0-22	Normal
23-45	Langsam
46-68	↓
69-91	
92-114	
115-137	
138-160	
161-183	
184-206	
207-229	
230-252	
253-255	
253-255	Schnell

Kanal 10 Zoom verkleinern	
Wert	Funktion
0-10	Normal
11-21	Normal
22-32	↓
33-43	
44-54	
55-65	
66-76	
77-87	
88-98	
99-109	
110-120	
121-153	
121-153	Kleines Bild
154-164	↓
165-175	
176-186	
187-197	
198-208	
209-219	
220-230	
231-241	
242-252	
253-255	
253-255	Normal

SHOGUN Club G-40

DMX-Kanalzuordnung und Werte

Kanal 3 Muster/Bilder/Texte Auswahl		
Wert	Funktion	
65	Muster	Dreieck unterbrochen oft
66	Muster	Dreieck unterbrochen 18 mal
67	Muster	Dreieck unterbrochen 3 mal Mitte
68	Muster	Dreieck unterbrochen 3 mal Ecken
69	Muster	Bogen
70	Muster	Bogen unterbrochen oft
71	Muster	Bogen unterbrochen 11 mal
72	Muster	Bogen unterbrochen 2 mal
73	Muster	Bogen unterbrochen 1 mal
74	Muster	Rechteck offen unten
75	Muster	Rechteck offen unten unterbrochen oft
76	Muster	Rechteck offen unten unterbrochen 11 mal
77	Muster	Rechteck offen unten unterbrochen 3 mal
78	Muster	Rechteck offen unten unterbrochen 2 mal
79	Muster	Elipse
80	Muster	Quadrat Eken gerundet
81	Muster	5 Eck 2
82	Muster	Zack Stern
83	Muster	Stern 8 Zacken 2
84	Muster	Stern 12 Zacken
85	Muster	Stern 12 Zacken Explosion 1
86	Muster	Stern 12 Zacken Explosion 2
87	Muster	Stern 12 Zacken Explosion 3
88	Muster	Sonne
89	Muster	Sonne Explosion
90	Muster	Stern 5 Zacken verbogen
91	Muster	Sonne 2
92	Muster	Kreuz ausgefranst
93	Muster	Blumen Blätter
94	Muster	Stern 8 Zacken 2
95	Muster	Stern 8 Zacken 3
96	Muster	Stern 8 Zacken 4
97	Muster	Stern 8 Zacken mit Kreisen
98	Muster	Stern 8 Zacken im 8 Eck
99	Muster	Pentagramm 2
100	Muster	Kleeblatt
101	Muster	5 Kreise im Kreis
102	Muster	Blume 1
103	Muster	Sonne im Kreis
104	Muster	Halbkreis geschlossen
105	Muster	Mondsichel
106	Muster	Boomerang links 2
107	Muster	2 Kreise nebeneinander
108	Muster	3 Kreise im Dreieck
109	Muster	4 Kreise im Viereck
110	Muster	2 Quadrate nebeneinander 2
111	Muster	Rechteck 2
112	Muster	Rechteck 3
113	Muster	Wellen
114	Muster	Opal
115	Bild	Hubschrauber
116	Bild	Auto
117	Muster	Sinus
118	Bild	Wal
119	Muster	Kreuz unterbrochen
120	Muster	2 Wellenlinien oben/unten
121	Muster	2 Wellenlinien unterbrochen
122	Muster	Pik unterbrochen
123	Muster	8 Eck in 8 Eck
124	Muster	Würfel
125	Muster	8 Linien untereinander
126	Bild	Vogel
127	Muster	Olympia Ringe unterbrochen
128	Bild	Maus 1
129	Bild	Maus 2

Kanal 3 Muster/Bilder/Texte Auswahl		
Wert	Funktion	
130	Bild	Maus 3
131	Bild	Maus 4
132	Bild	Adler 1
133	Bild	Adler 2
134	Bild	Adler 3
135	Text	SQUALE
136	Text	THANK YOU
137	Text	END
138	Text	SHOW
139	Text	YOU LOOSE
140	Text	YOU WIN
141	Text	FAILURE
142	Text	VICTORY
143	Text	STOP
144	Text	NICE
145	Text	GOOD
146	Text	GO
147	Text	START
148	Text	ONE
149	Text	TWO
150	Text	THREE
151	Text	READY
152	Text	I LOVE YOU
153	Text	I LOVE MUSIC
154	Text	MUSIC
155	Text	DANCE
156	Text	PARTY
157	Text	HAPPY BIRTHDAY
158	Text	WELCOME
159	Text	HAPPY NEW YEAR
160	Text	MERRY CHRISTMAS
161	Muster	Strich Keuz unterbrochen
162	Bild	Kerze
163	Bild	Haus
164	Bild	Umschlag
165	Bild	UFO
166	Bild	Kugel
167	Bild	Schüssel
168	Bild	Ziffer 9
169	Bild	Ziffer 8
170	Bild	Ziffer 7
171	Bild	Ziffer 6
172	Bild	Ziffer 5
173	Bild	Ziffer 4
174	Bild	Ziffer 3
175	Bild	Ziffer 2
176	Bild	Ziffer 1
177	Bild	Kreis
178	Bild	Ziffer 9 im Kreis
179	Bild	Ziffer 8 im Kreis
180	Bild	Ziffer 7 im Kreis
181	Bild	Ziffer 6 im Kreis
182	Bild	Ziffer 5 im Kreis
183	Bild	Ziffer 4 im Kreis
184	Bild	Ziffer 3 im Kreis
185	Bild	Ziffer 2 im Kreis
186	Bild	Ziffer 1 im Kreis
187	Muster	Bewegtes Muster 1
188	Muster	Bewegtes Muster 2
189	Muster	Bewegtes Muster 3
190	Muster	Bewegtes Muster 4
191	Muster	Bewegtes Muster 5
192	Muster	Bewegtes Muster 6
193	Muster	Bewegtes Muster 7
194	Muster	Konfuss

SHOGUN Club G-40

DMX-Kanalzuordnung und Werte

Kanal 3		
Muster/Bilder/Texte Auswahl		
Wert	Funktion	
195	Muster	Mini Stern 1
196	Muster	Mini Stern 2
197	Muster	Explosion 1
198	Muster	Explosion 2
199	Muster	Rotor
200	Muster	Kreis groß unterbrochen oft
201	Bild	Dancing Girl 1
202	Bild	Dancing Girl 2
203	Bild	Dancing Girl 3
204	Bild	Dancing Girl 4
205	Bild	Dancing Girl 5
206	Bild	Dancing Girl 6
207	Bild	Dancing Girl 7
208	Bild	Dancing Girl 8
209	Bild	Dancing Girl 9
210	Bild	Dancing Girl 10
211	Bild	Dancing Girl 11
212	Bild	Dancing Girl 12
213	Bild	Dancing Girl 13
214	Bild	Dancing Girl 14
215	Bild	Dancing Girl 15
216	Bild	Dancing Girl 16
217	Bild	Dancing Girl 17
218	Bild	Dancing Girl 18
219	Bild	Dancing Girl 19
220	Bild	Dancing Girl 20
221	Bild	Dancing Girl 21
222	Bild	Dancing Girl 22
223	Bild	Dancing Girl 23
224	Bild	Dancing Girl 24
225	Bild	Dancing Girl 25
226	Bild	Dancing Girl 26
227	Bild	Dancing Girl 27
228	Bild	Dancing Girl 28
229	Bild	Dancing Girl 29
230	Bild	Dancing Girl 30
231	Bild	Dancing Girl 31
232	Bild	Dancing Girl 32
233	Bild	Dancing Girl 33
234	Bild	Dancing Girl 34
235	Bild	Dancing Girl 35
236	Bild	Dancing Girl 36
237	Bild	Dancing Girl 37
238	Bild	Dancing Girl 38
239	Bild	Dancing Girl 39
240	Bild	Dancing Girl 40
241	Bild	Elefant 1
242	Bild	Elefant 2
243	Bild	Elefant 3
244	Bild	Elefant 4
245	Bild	Olympia Ringe mit Läufer
246	Muster	Punkt-Kreis
247	Muster	Strich oben/unten
248	Muster	Punkt-Strich oben/unten
249	Muster	Punkt-Strich oben/unten
250	Muster	Punkt-Strich oben/unten
251	Muster	Punkt-Strich oben/unten
252	Muster	Punkt-Strich oben/unten
253	Muster	Punkt-Strich oben/unten
254	Muster	Punkt-Strich oben/unten
255	Muster	Punkt-Strich oben/unten

Congratulations!

You have bought a great, innovative product from Showtec.

The Showtec Shogun Club G-40 brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated DMX show, this product provides the effect you need.

You can rely on Showtec, for more excellent lighting products.

We design and manufacture professional light equipment for the entertainment industry.

New products are being launched regularly.

You can get some of the best quality, best priced products on the market from Showtec.

So next time, turn to Showtec for more great lighting equipment.

Always get the best -- with Showtec !

Thank you!



Showtec Shogun Club G-40™ Product Guide

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WARNING



LASER



**CAUTION ! EYEDAMAGES !!!
NEVER LOOK DIRECTLY INTO THE LIGHTSOURCE !!!
NEVER PROJECT A SINGLE LASER POINT !!!**



**CAUTION!
Keep this device away from rain and moisture!
Unplug mains lead before opening the housing!**



**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
BEFORE YOUR INITIAL START-UP!**

SAFETY INSTRUCTIONS

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow the instructions of this manual

**CAUTION! Be careful with your operations.
With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires!**

Before your initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Never unscrew the housing!
- Never aim the laser beam at people or animals!
- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Never look directly into the light source.

- Never leave any cables lying around.
- Do not insert objects into air vents.
- Do not connect this device to a dimmerpack.
- Do not switch the device on and off in short intervals, as this would reduce the lamp's life.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only use device indoor, avoid contact with water or other liquids.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always check the regulations when using a class IIIB laser product.
- Always check and position the laser before anybody enters the room, when the laser is facing an area with people.
- Always allow free air space of at least 50 cm around the unit for ventilation.
- Always disconnect power from the mains, when device is not used, before cleaning! Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power-cord is never crimped or damaged. Check the device and the power-cord from time to time.
- If device is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your Showtec device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Showtec dealer for service.
- For adult use only. Lighteffect must be installed out of the reach of children. Never leave the unit running unattended.
- For replacement use fuses of same type and rating only.
- The user is responsible for correct positioning and operating of the laser. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this laser.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- The laser will only work between 15-35°C.
- After 3 hours working, you must shut off the laser and let the laser diode cool off for 30 minutes, otherwise the laser could be damaged and the warranty becomes void.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.



CAUTION: AVOID EXPOSURE TO BEAM: Avoid direct eye contact with laser light. Never intentionally expose your eyes or others to direct laser radiation.

Compliance Statement

Your Shogun Laser has been designed to comply with FDA and IEC Standards for its classification. The Shogun is a Class IIIB laser product.

Laser Safety and Compliance Information

The Shogun is manufactured to comply with the IEC 60825-1 and in accordance with U.S. Food and Drug Administrations (FDA) Standards Listed under FDA Document 21 CFR 1040 and subsequent laser notices.

Product Classification and Manufacturing Label Identification

Laser Classification: Class IIIB

Laser medium: wavelength 532 nm / Green

Output: 40mW

Cooling: TE Cooling

CAUTION: *The use of corrective eye wear or optics for viewing at distances such as telescopes or binoculars within a distance of 100mm may pose an eye hazard.*



This laser product is a Class IIIB laser and has an Interlocked housing.



There are no user serviceable parts inside. Tampering or removing warranty seals will void your products limited warranty.



Combo label with the Product Model Number, Serial Number, Date of Manufacturing, Laser Light Warning Label, Warranty Void Label and Interlocked Housing Label

OPERATING DETERMINATIONS

This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.

The minimum distance between light-output and the illuminated surface must be more than 0.8 meter.

The maximum ambient temperature t_a must never be exceeded.

If this device is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.

Any other operation may lead to dangers like short-circuit, burns, electric shock, lamp explosion, crash etc. You endanger your own safety and the safety of others!

Rigging

Please follow the European and national guidelines concerning rigging, trussing and all other safety issues.

Do not attempt the installation yourself !

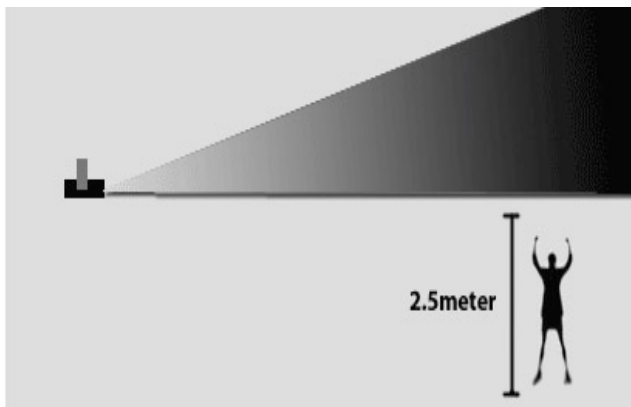
Always let the installation be carried out by an authorized dealer !

Procedure:

- If the laser is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the laser, with the mounting-bracket, to the trussing system.
- The laser must never be fixed swinging freely in the room.
- The installation must always be secured with a safety attachment, e.g. an appropriate safety net or safety-cable.
- When rigging, derigging or servicing the laser, always make sure, that the area below the installation place is blocked and staying in the area is forbidden.

Improper installation can cause serious damage to people and property !

Proper Usage Safety and Compliance Information



According to FDA Regulations you should operate this product as stated on the left.

Connection with the mains

Connect the device to the mains with the power-plug.

Always pay attention, that the right color cable is connected to the right place.

Cable	Pin	International
BROWN	FASE	L
BLUE	NUL	N
YELLOW/GREEN	EARTH	⊕

Make sure that the device is always connected properly to the earth!

Description of the device

Features

The Showtec Shogun Club G-40 is a laser effect with a high output and great effects.

- 40 mW green laser (532nm)
- DMX-control via standard DMX-controller
- 64 Patterns
- 10K closed loop scanning pair
- 10 DMX-control channels required
- 12 channels RGY and RGB units
- RGY / RGY TTL modulation
- Sound-controlled via built-in microphone
- Fuse 2A / 250V

Overview



Fig. 1

Frontside



Fig. 2

- 1) Power LED
- 2) Laser indicator LED
- 3) Microphone
- 4) Sound Active LED
- 5) DMX indicator LED

Backside



Fig. 3

- | | |
|-------------------------------|--|
| 6) Dip Switches | 10) Power ON/OFF |
| 7) Remote Interlock Connector | 11) DMX signal connector (OUT) |
| 8) Sound Sensitivity control | 12) IEC Power Connector / Fuse 2A / 250V |
| 9) Key System | 13) DMX signal connector (IN) |

Remote Interlock Connector: Use a DB9 connector to connect to the Remote Interlock, which stops the beam being emitted once the connection loop has been opened.

Key System: When the key is locked, the unit stops emitting the laserbeam but keeps the power on, and the steppers keep working. Only when the key is turned, after 15 seconds, the projector starts emitting the laserbeam. 5 seconds before emitting, there is a rattling sound.

Set Up and Operation

Follow the directions below, as they pertain to your preferred operation mode.

Remove the protection cover from the front of the laser. When the laser is not in use, please replace the cover to protect the laser.

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa.

The laser will only work between 15-35°C.

After 3 hours working, you must shut off the laser and let the laser diode cool off for 30 minutes, otherwise the laser could be damaged and the warranty becomes void.

**Always disconnect from electric mains power supply before cleaning or servicing.
Damages caused by non-observance are not subject to warranty.**

One Shogun G-40 (Stand-alone)

There are 4 possibilities: Stand Alone
 Sound-active mode (Master)
 Auto Mode (Master)
 DMX

1. Fasten the Shogun onto firm trussing. Leave at least 0,5 meter on all sides for air circulation.
2. Plug the cord into a proper electric power supply socket.

FUNCTION	DMX DIPSWITCH CHART											
	1	2	3	4	5	6	7	8	9	10	11	12
Sound Active	---	---	---	---	---	---	---	---	---	---	---	---
Auto Mode	---	---	---	---	---	---	---	---	---	---	---	ON
Master Sound	---	---	---	---	---	---	---	---	---	---	ON	---
Master Auto	---	---	---	---	---	---	---	---	---	---	ON	ON
Slave	---	---	---	---	---	---	---	---	---	ON	---	---
DMX Mode	Set DMX ADDRESS									ON	---	ON
Test Mode	---	---	---	---	---	---	---	---	---	ON	ON	---

Sound-Active

Turn on the music. If Dip switches are all set to 0, then the fixture will react to the beat of the music. See page 10 for Dipswitch settings. After every new dipswitch setting you have to disconnect the power, and then turn the power on to activate the new dipswitch setting. You can use the Audio sensitivity knob on the back of the Shogun, to adjust the sensitivity reaction to the music.

Auto Mode

If Dip switches are set to 1000000000, then the fixture will play all pre-programmed patterns.

Multiple Shoguns G-40 (Master-Slave)

1. Fasten the effect light onto firm trussing (Use a 30-kg rated or stronger C-clamp fastened onto the Shogun). Leave at least 1 meter on all sides for air circulation.
2. Use a 3-p XLR cable to connect the Shoguns and other devices.

The pins:



1. Earth
2. Signal -
3. Signal +

3. Link the units as shown in (figure 4), Connect a DMX signal cable from the first unit's DMX "out" socket to the second unit's "in" socket. Repeat this process to link the second, third, and fourth units.
4. Set DMX dip switches as follows (See Dip Switch setting page 10).

Shogun G-40

Unit 1 (Master)

Unit 2 (Slave)

Unit 3 (Slave)

Unit 4 (Slave)

DMX Dip Switches "ON"

Either Sound Active (All dipswitches OFF)
 or Auto Mode Dipswitch #12 ON

Dipswitch #10 ON

Dipswitch #10 ON

Dipswitch #10 ON

5. Supply electric power: Plug the end of the mains power cord into proper electric power supply sockets.

Multiple Shoguns G-40 (DMX Control)

1. Fasten the effect light onto firm trussing (Use a 30-kg rated or stronger C-clamp bolted onto the Showtec Shogun bracket). Leave at least 0,5 meter on all sides for air circulation.
2. Use a 3-p XLR cable to connect the Shoguns and other devices.

The pins:



1. Earth
2. Signal -
3. Signal +

3. Link the units as shown in (figure 4), Connect a DMX signal cable from the first unit's DMX "out" socket to the second unit's "in" socket. Repeat this process to link the second, third, and fourth units.
4. Set DMX dip switches as follows (See Dip Switch setting page 10).

Shogun G-40	Address Value	DMX Dip Switches "ON"
Unit 1	1	#1 and for DMX # 10 and # 12.
Unit 2	11	#1, #2, #4 and for DMX # 10 and # 12.
Unit 3	21	#1, #3, #5 and for DMX # 10 and # 12.
Unit 4	31	#1, #2, #3, #4, #5 and for DMX # 10 and # 12.

5. Supply electric power: Plug the end of the mains power cord into proper electric power supply sockets. Do so for all units and the controller. You can control up to 32 Shogun devices in Master-Slave Mode.

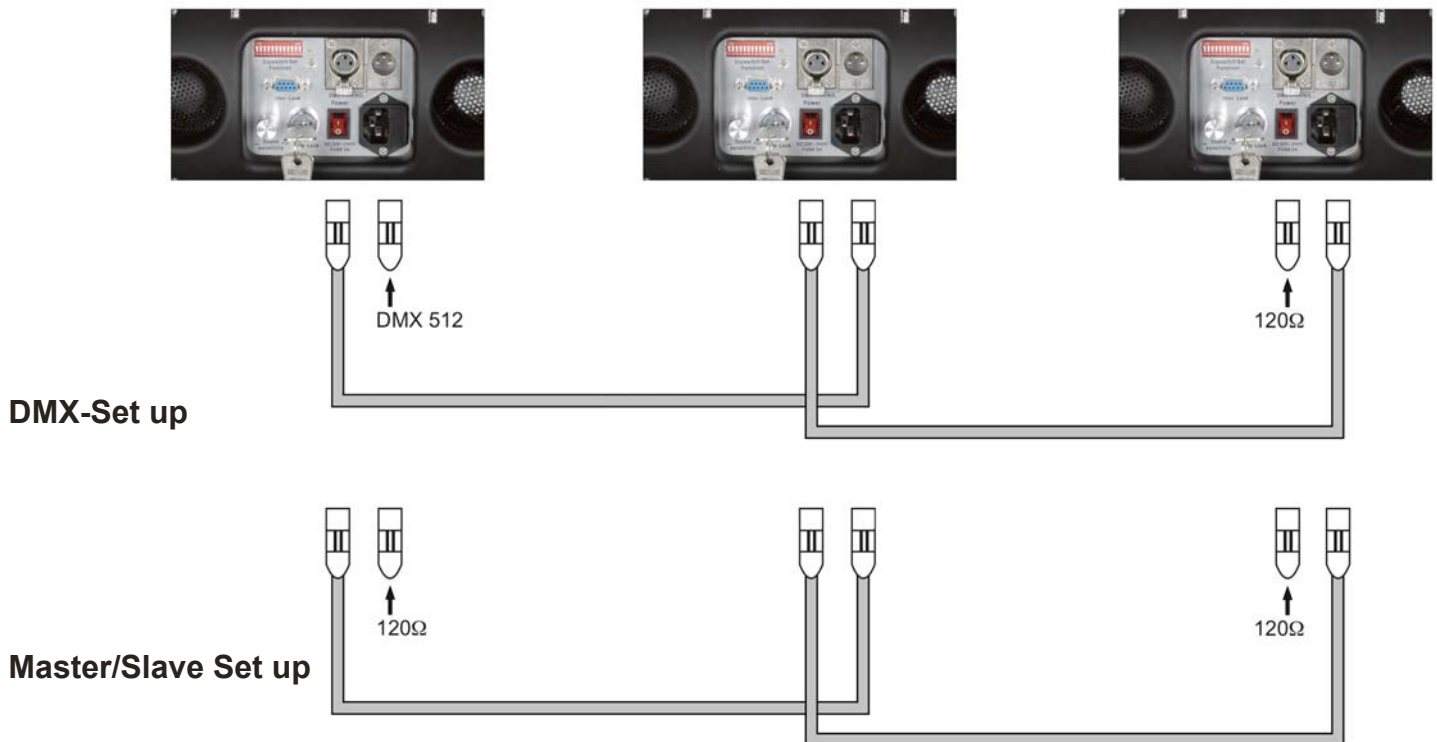


Fig. 4

Note : Link all DMX cables and set dip switches before connecting electric power

6. Do not supply power before the whole system is set up and connected properly. Design your show according to your DMX controller functions. After every new dipswitch setting you have to disconnect the power, and then turn the power on to activate the new dipswitch setting.

DMX Dip Switch Setting

DMX products must have their own "address" to receive DMX signals. Addresses on the Showtec Shogun Club G-40 are set by flipping the appropriate DMX dip switches.

A standard DMX address for a Showtec Shogun G-40, which has 10 channels is as follow:

Shogun G-40	Address Value	DMX Dip Switches "ON"
Unit 1	1	#1 and for DMX # 10 and # 12.
Unit 2	11	#1, #2, #4 and for DMX # 10 and # 12.
Unit 3	21	#1, #3, #5 and for DMX # 10 and # 12.
Unit 4	31	#1, #2, #3, #4, #5 and for DMX # 10 and # 12.

Explanation: Since each unit has 10 channels, each address advances 10 values (See Address Value above).

Once address values are determined, set the appropriate DMX dip switches on each unit.

Example:

1. If you want to give a Shogun DMX address 133, you first have to find the number 133 in the DMX Chart.
2. Then look at the left side (Dip Switches #1-#5) horizontally from 133.
In the Table you'll see #1=ON, #2=OFF, #3=ON, #4=OFF, #5=OFF.
3. Finally look at the upper side of the table (Dip Switches #6-#9) vertically from 133.
In the Table you'll see #6=OFF, #7=OFF, #8=ON, #9=OFF.

DMX Address Quick Reference Chart

DMX DIP SWITCH SET						#9	0	0	0	0	0	0
0=OFF						#8	0	0	0	0	1	1
1=ON						#7	0	0	1	1	0	0
						#6	0	1	0	1	0	1
#1	#2	#3	#4	#5			32	64	96	128	160	
0	0	0	0	0		1	33	65	97	129	161	
1	0	0	0	0		2	34	66	98	130	162	
0	1	0	0	0		3	35	67	99	131	163	
1	1	0	0	0		4	36	68	100	132	164	
0	0	1	0	0		5	37	69	101	133	165	
1	0	1	0	0		6	38	70	102	134	166	
0	1	1	0	0								

DMX Address Quick Reference Chart

Dip Switch Position

DMX DIP SWITCH SET 0=OFF 1=ON					Dip Switch Position															
#9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1		
#8	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1		
#7	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1	1	1		
#6	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1		
#1	#2	#3	#4	#5																
0	0	0	0	0	32	64	96	128	160	192	224	256	288	320	352	384	416	448	480	
1	0	0	0	0	1	33	65	97	129	161	193	225	257	289	321	353	385	417	449	481
0	1	0	0	0	2	34	66	98	130	162	194	226	258	290	322	354	386	418	450	482
1	1	0	0	0	3	35	67	99	131	163	195	227	259	291	323	355	387	419	451	483
0	0	1	0	0	4	36	68	100	132	164	196	228	260	292	324	356	388	420	452	484
1	0	1	0	0	5	37	69	101	133	165	197	229	261	293	325	357	389	421	453	485
0	1	1	0	0	6	38	70	102	134	166	198	230	262	294	326	358	390	422	454	486
1	1	1	0	0	7	39	71	103	135	167	199	231	263	295	327	359	391	423	455	487
0	0	0	1	0	8	40	72	104	136	168	200	232	264	296	328	360	392	424	456	488
1	0	0	1	0	9	41	73	105	137	169	201	233	265	297	329	361	393	425	457	489
0	1	0	1	0	10	42	74	106	138	170	202	234	266	298	330	362	394	426	458	490
1	1	0	1	0	11	43	75	107	139	171	203	235	267	299	331	363	395	427	459	491
0	0	1	1	0	12	44	76	108	140	172	204	236	268	300	332	364	396	428	460	492
1	0	1	1	0	13	45	77	109	141	173	205	237	269	301	333	365	397	429	461	493
0	1	1	1	0	14	46	78	110	142	174	206	238	270	302	334	366	398	430	462	494
1	1	1	1	0	15	47	79	111	143	175	207	239	271	303	335	367	399	431	463	495
0	0	0	0	1	16	48	80	112	144	176	208	240	272	304	336	368	400	432	464	496
1	0	0	0	1	17	49	81	113	145	177	209	241	273	305	337	369	401	433	465	497
0	1	0	0	1	18	50	82	114	146	178	210	242	274	306	338	370	402	434	466	498
1	1	0	0	1	19	51	83	115	147	179	211	243	275	307	339	371	403	435	467	499
0	0	1	0	1	20	52	84	116	148	180	212	244	276	308	340	372	404	436	468	500
1	0	1	0	1	21	53	85	117	149	181	213	245	277	309	341	373	405	437	469	501
0	1	1	0	1	22	54	86	118	150	182	214	246	278	310	342	374	406	438	470	502
1	1	1	0	1	23	55	87	119	151	183	215	247	279	311	343	375	407	439	471	503
0	0	0	1	1	24	56	88	120	152	184	216	248	280	312	344	376	408	440	472	504
1	0	0	1	1	25	57	89	121	153	185	217	249	281	313	345	377	409	441	473	505
0	1	0	1	1	26	58	90	122	154	186	218	250	282	314	346	378	410	442	474	506
1	1	0	1	1	27	59	91	123	155	187	219	251	283	315	347	379	411	443	475	507
0	0	1	1	1	28	60	92	124	156	188	220	252	284	316	348	380	412	444	476	508
1	0	1	1	1	29	61	93	125	157	189	221	253	285	317	349	381	413	445	477	509
0	1	1	1	1	30	62	94	126	158	190	222	254	286	318	350	382	414	446	478	510
1	1	1	1	1	31	63	95	127	159	191	223	255	287	319	351	383	415	447	479	511

Dip Switch Position

DMX Address

DMX Channels

Channel 1 –Mode

0-63	DMX Control Sound Active
64-127	DMX Control Auto Run
128-191	Manual Select Sound Active
192-255	Manual Select Auto Run

Channel 2 –Close Laser

0-63	Close Beam
64-127	Fast cut Beam
128-191	No cut Beam
192-255	Close Laser

Channel 3 –Pattern Select

0-255	64 Patterns
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Channel 4 –Dot and Turn

0-63	No Dot
64-127	Turn
128-191	Dot
192-255	Dot and Turn

Channel 5 –Turn

0-63	No Turn
64-127	X Coordinate Turn
128-191	Y Coordinate Turn
192-255	X & Y Coordinate Turn

Channel 6 –Partition

0-63	No Partition
64-127	Partition On X Coordinate
128-191	Partition On Y Coordinate
192-255	Partition On X & Y Coordinate

Channel 7 –Static Patterns Pattern Size

0-63	No Partition
64-127	Partition On X Coordinate
128-191	Partition On Y Coordinate
192-255	Partition On X & Y Coordinate

Channel 8 –Speed

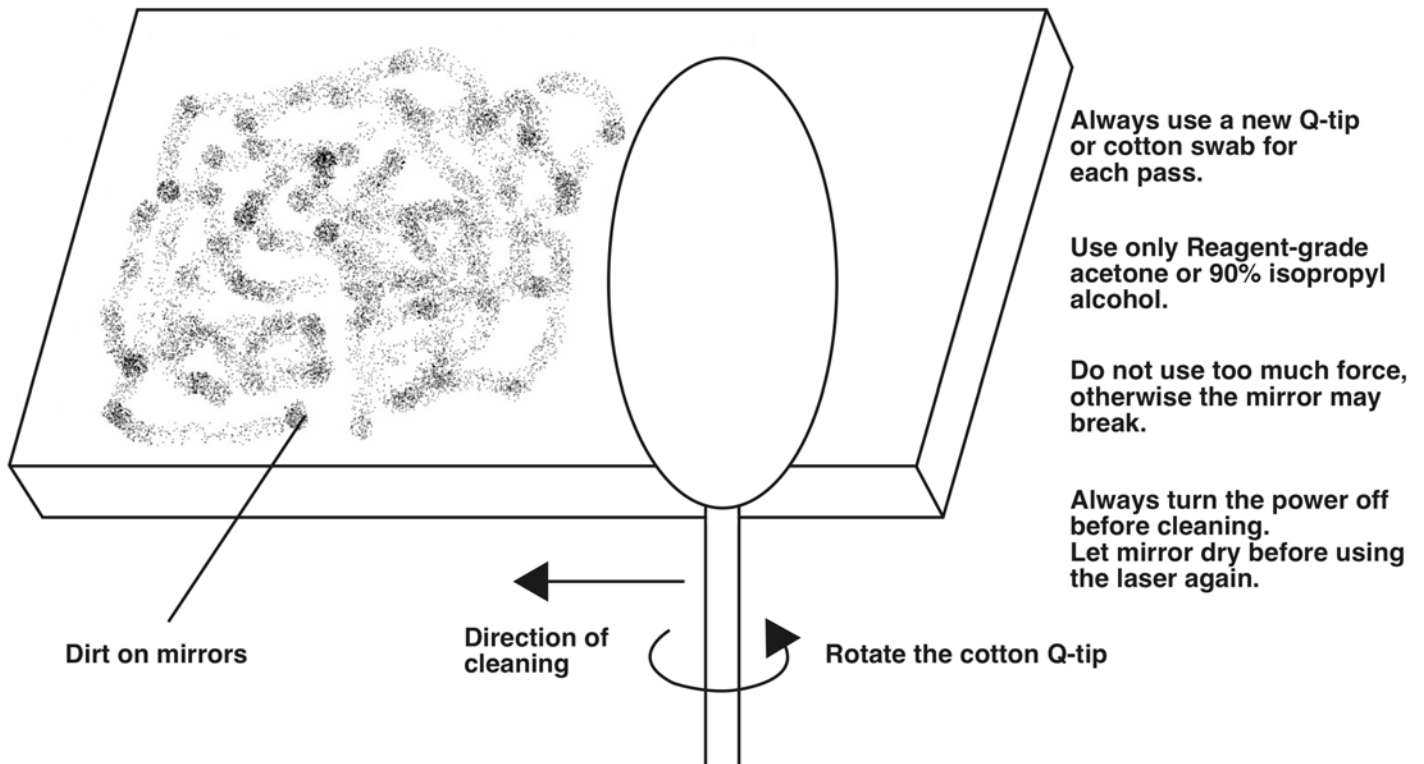
0-255	$0-255/23=$ 0-11 Different speeds
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Channel 9 –Draw Speed

0-255	$0-255/23=$ 0-11 Different speeds
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Channel 10 –Draw Speed

0-255	$255/23=$ 0-11 Different speeds 0 = original size, 1-11 = Zoom In, 12-23 = Zoom Out-
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Maintenance

The Showtec Shogun Club G-40 requires almost no maintenance. However, you should keep the unit clean. Otherwise, the fixture's light-output will be significantly reduced. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Carefully wipe both mirrors clean with glass cleaner and a soft cloth. Do not use alcohol or solvents.

The mirrors will require regular cleaning, as smoke-fluid tends to build up residues, reducing the light-output quickly.

Keep connections clean. Disconnect electric power, and then wipe the DMX and audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

The following points have to be considered during the inspection:

1. All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
2. There may not be any deformations on housings, fixations and installation spots.
3. The electric power supply cables must not show any damages or material fatigue.

Replacing the Fuse

Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out. If the fuse burns out, the product will not function whatsoever. If this happens, follow the directions below to do so.

1. Unplug the unit from electric power source.
2. Insert a screwdriver into the slot in the fuse cover. Turn the screwdriver to the left, at the same time gently push a bit (Turn and Push). The fuse will come out.
3. Remove the used fuse. If brown or unclear, it is burned out.
4. Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse cover. Be sure to use a fuse of the same type and specification. See the product specification label for details.

Troubleshooting

No Light

This troubleshooting guide is meant to help solve simple problems. If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

If the light effect does not operate properly, refer servicing to a technician.

Response: Suspect three potential problem areas: the power supply, the laser, the fuse.

1. Power supply. Check that the unit is plugged into an appropriate power supply.
2. The laser. Return the device to your Showtec dealer.
3. The fuse. See page 13 for replacing the fuse.

No Response to DMX

Response: Suspect the DMX cable or connectors, a controller malfunction, a light effect DMX card malfunction.

1. Check the DMX cable: Unplug the unit; change the DMX cable; then reconnect to electrical power. Try your DMX control again.
2. Determine whether the controller or laser effect is at fault. Does the controller operate properly with other DMX products ? If not, take the controller in for repair. If so, take the DMX cable and the light effect to a qualified technician.

Product Specification

Model: Showtec Shogun Club G-40

Voltage: 240V-50Hz (CE)

Fuse: 2A / 250V

Dimensions: 390x285x135mm (LxWxH)

Weight: 5 kg



Operation and Programming

DMX Channels: 10

Signal input 3-pin XLR male

Signal output 3-pin XLR female

DMX-control via standard DMX-controller

Laser

40 mW green Laser (532nm)

Minimum distance:

Minimum distance from flammable surfaces: 0.5m

Minimum distance to lighted object: 0.8m

Design and product specifications are subject to change without prior notice.





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