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BLOXSTER

User Manual

(Order code: LEDJ75C)

WARNING

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

CAUTION!

Keep this equipment away from rain, moisture and liquids.

SAFETY INSTRUCTIONS

Every person involved with the installation, operation & maintenance of this equipment should:

- Be competent
- Follow the instructions of this manual

CAUTION! TAKE CARE USING THIS EQUIPMENT!
HIGH VOLTAGE-RISK OF ELECTRIC SHOCK!!

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

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

Please note that damages caused by user modifications to this equipment are not subject to warranty.

IMPORTANT:

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

- Never let the power-cable come into contact with other cables. Handle the power-cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the equipment.
- Do not open the equipment and do not modify the equipment.
- Do not connect this equipment to a dimmer-pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available voltage is between 220v/240v.
- Make sure that the power-cable is never crimped or damaged. Check the equipment and the power-cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately. Have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Prolight dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.
- WARRANTY; One year from date of purchase.

OPERATING DETERMINATIONS

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void.

Incorrect operation may lead to danger e.g.: short-circuit, burns, electric shocks, lamp failure etc.

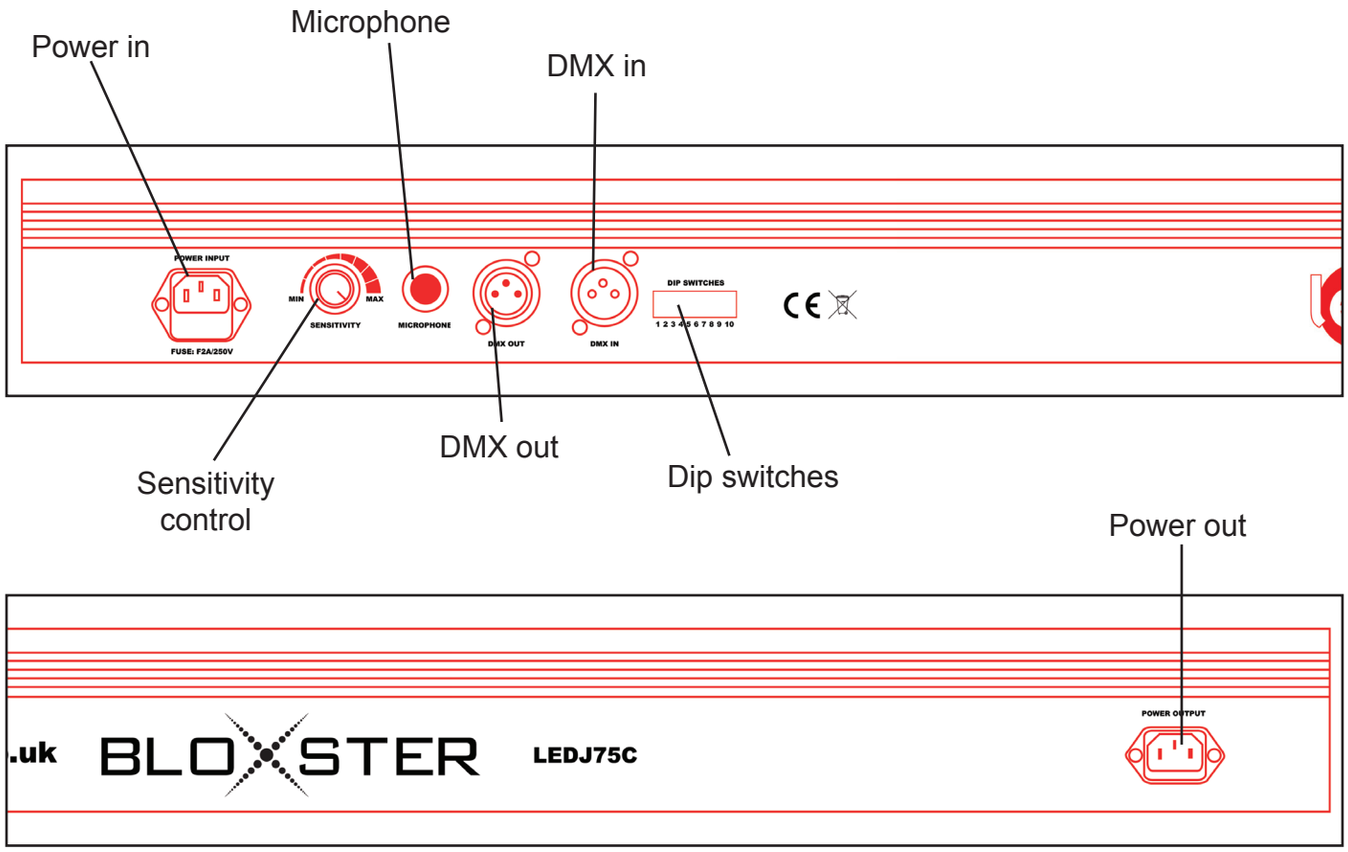
Do not endanger your own safety and the safety of others!
Incorrect installation or use can cause serious damage to people and property.

Introduction

Bloxster Specifications

- DMX channels: 2/7/10 and 31 selectable
- 252 Ultra Bright 10mm LEDs (R: 63, G: 63, B: 63, W: 63)
- Auto, sound active, DMX and master/slave modes
- Internal programmes with sound activation
- IEC power in/out sockets
- 3-pin XLR in/out sockets for DMX
- Slimline robust aluminium housing
- RGBW colour mixing
- Beam angle: 40 degrees
- Power consumption: 23W
- Power supply: AC 240V
- Dimensions: 1169 x 66 x 85mm
- Weight: 4.2Kgs

Over view:



Operating Instructions

The LEDJ Bloxster is a DMX-512 controllable unit made up of high efficiency and Ultra Bright 10mm RGBW LEDs and will operate in stand alone, master/slave, sound activated or DMX control modes.

Dip Switch settings:

Auto Run

Set dip switches **9** and **10** to the **"ON"** position and use dip switches **1** - **4** to select different built-in programmes. To increase or decrease the speed, use dip switches **5** - **8** (slow to fast).

Sound Activation

To set the unit into sound active mode, set all dip switches to the **"OFF"** position. Now use the sensitivity control on the rear of the unit to increase or decrease the sensitivity level. The batten will now react to the beat of the music.

Master/Slave mode:

To set the batten as a master, simply set the batten in any of the above and below modes.
To set the batten as a slave, set any of the dip switches 1 - 9 to the **"ON"** position.

DMX mode:

To set the unit in DMX mode, set dip switch **10** to the **"OFF"** position and use Dip Switches **1** to **9** to set the desired DMX address.

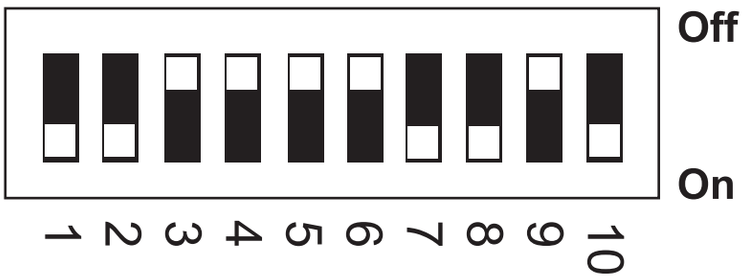
This Fixture uses 2/7/10 and 31 DMX channels that are all individually selectable using channel 1 on your DMX controller as shown on the next page

Static colour mode:

To set the unit into the static colour mode, set dip switch **10** to the **"ON"** position , and use the following dip switches **1** - **8** to achieve the desired colour and brightness setting.

Dip switch **1 "ON"** = 50% Red
1 + 2 "ON" = 100% Red
Dip switch **3 "ON"** = 50% Green
3 + 4 "ON" = 100% Green
Dip switch **5 "ON"** = 50% Blue
5 + 6 "ON" = 100% Blue
Dip switch **7 "ON"** = 50% White
7 + 8 "ON" = 100% White

Example: 1+7+8 to "ON" = 50% Red and 100% White



DMX Settings:

Once you have set your DMX address, you can access any of the four DMX channels on this unit using the first channel on your DMX controller as shown below.

Channel	Value	Function
1	0-10	Blackout
	11-42	7 channel mode
	43-84	31 channel mode
	85-127	10 channel mode
	128-191	2 channel mode
	192-255	Sound active

7 Channel DMX chart:

Channel	Value	Function
2	0-255	Master dimmer
3	0-11	No strobe
	12-255	Strobe (fast to slow)
4	0-255	All red
5	0-255	All green
6	0-255	All blue
7	0-255	All white

31 channel DMX chart:

Channel	Value	Function
2	0-255	Master dimmer
3	0-11	No strobe
	12-255	Strobe (fast to slow)
4	0-255	Red group 1
5	0-255	Green group 1
6	0-255	Blue group 1
7	0-255	White group 1
8	0-255	Red group 2
9	0-255	Green group 2
10	0-255	Blue group 2
11	0-255	White group 2
12	0-255	Red group 3
••••••••••	••••••••••	••••••••••••
28	0-255	Red group 7
29	0-255	Green group 7
30	0-255	Blue group 7
31	0-255	White group 7

10 channel DMX chart:

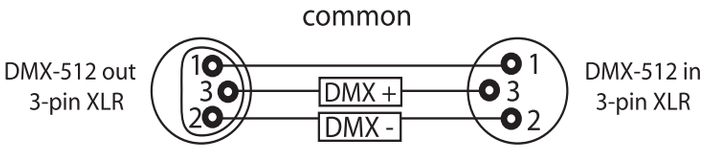
Channel	Value	Function
2	0-255	Master dimmer
3	0-11	No strobe
	12-255	Strobe (fast to slow)
4	0-255	RGBW group 1
5	0-255	RGBW group 2
6	0-255	RGBW group 3
7	0-255	RGBW group 4
8	0-255	RGBW group 5
9	0-255	RGBW group 6
10	0-255	RGBW group 7

2 channel DMX chart

Channel	Value	Function
1	128-131	Effect 1
	132-135	Effect 2
	136-139	Effect 3
	140-143	Effect 4
	144-147	Effect 5
	148-151	Effect 6
	152-155	Effect 7
	156-159	Effect 8
	160-163	Effect 9
	164-167	Effect 10
	168-171	Effect 11
	172-175	Effect 12
	176-179	Effect 13
	180-183	Effect 14
	184-187	Effect 15
	188-191	Effect 16
2	0-255	Speed (fast to slow)

Notice:

• Be sure to follow figures 2 & 3 when making your own cables. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behaviour.



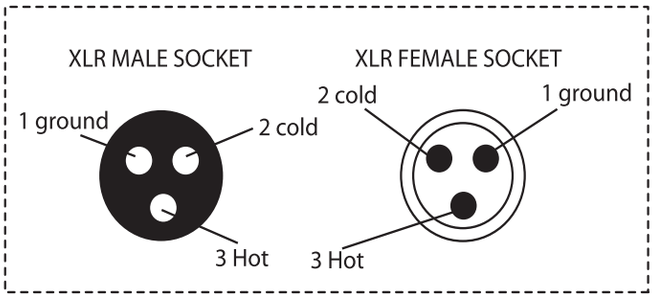


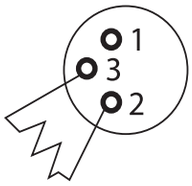
FIGURE 3

XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Negative
Pin 3 = Postive

FIGURE 2

Special Note: Line termination:

• When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

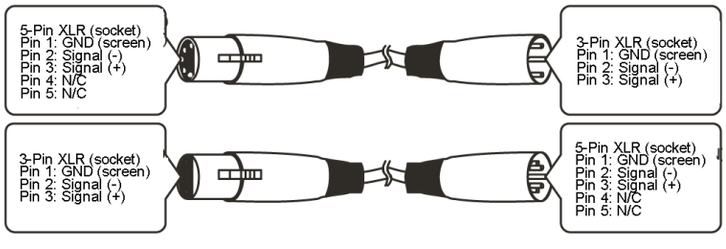


Termination reduces signal transmission problems and interferance. it is always advisable to connect a DMX terminal, (resistance 120 Ohm 1/4 W) between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.

Using a cable terminator (part number CABL90) will decrease the possibilities of erratic behaviour.

5-Pin XLR DMX Connectors:

• Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-Pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The Chart below details the correct cable conversion.



DMX Dip Switch Quick Reference Chart

Dip Switch Position

DMX DIP SWITCH SET 0=OFF 1=ON																					
					#9	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	0	0	0	0	1	1	1	1
					#7	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1
					#6	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**