

Instruction Manual

LED Crystal Magic Ball Light



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LED Crystal Magic Ball Light is advanced LED Technology, with compact plastic shell, delivering 34 razor sharp powerful beams. Project light beams on the wall just like a mirror ball effect, 2 DMX channels, speed control. Three control mode, DMX, Master/slave and sound active. Stand alone and rotating via dip switch. Advanced LED technology, creating powerful beams similar to a 150W discharge lamp. Extremely long life (rated 100,000 hrs), no need to change lamp. Very low power consumption, no duty cycle runs all light. Very compact shell, perfect using for discos, clubs pubs, parties.

WARNING

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

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized 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 110v/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.



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



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Technical Specifications:

Voltage: ACV90-240V 50/60Hz
Lamp: 1 pcs of 3W LED Multi-color RGB
Power: 10W
Insulating fuse: >2 MΩ
Channels: 6channel
Beam angle: 150 degree
Size: 210×210×179mm
Packing Size: 280×260×240mm
N.W: 1.8kg
G.W: 2.5kg

Operations:

There are 4 operating modes to choose from:

1, DMX mode 2, Auto Run mode 3, Sound active mode 4, Slave mode

DMX Mode

To select DMX mode, set dipswitch 1 to **ON** . You can now set the required DMX address using dipswitches 2 to 10 . The start address for this fixture is 0. Please refer to the chart below for DMX functions.

Auto Run Function Mode

To select auto pattern mode, set all dipswitches to the **OFF** position. The unit will now cycle through all it's built-in patterns. In this mode the LEDs will remain constantly chasing until the power is turned **OFF** or the mode is changed.

Sound Active Mode

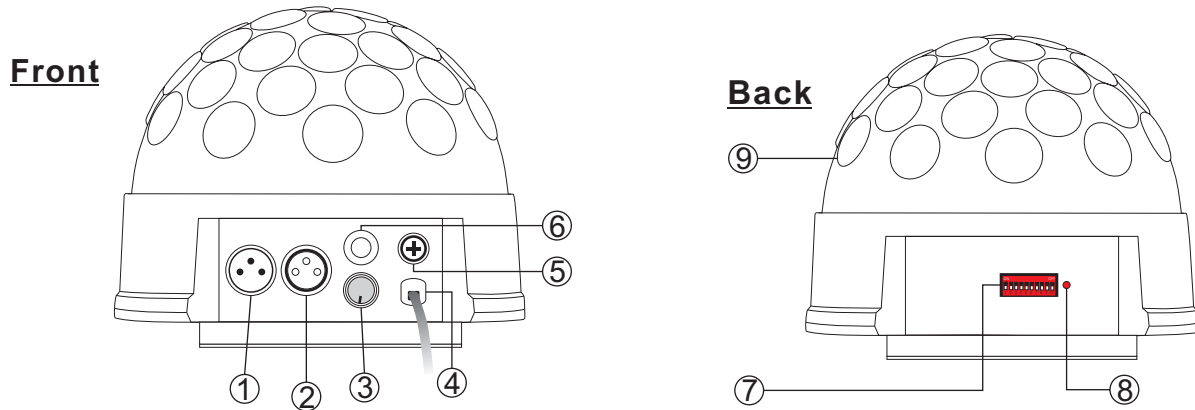
To select sound active mode set dipswitch 10 to **ON**. You can now use the sensitivity control on the back panel to set the required sound input level. With no music present, the LEDs will turn **OFF** and will come back **ON** as soon as the music starts again.

Slave Mode

To select the slave mode set dipswitch 1 to **OFF** and others to **ON**. The slave units will now follow in conjunction with the master unit.

Note: The master unit can be run in any mode for the slave units to follow.

Overview

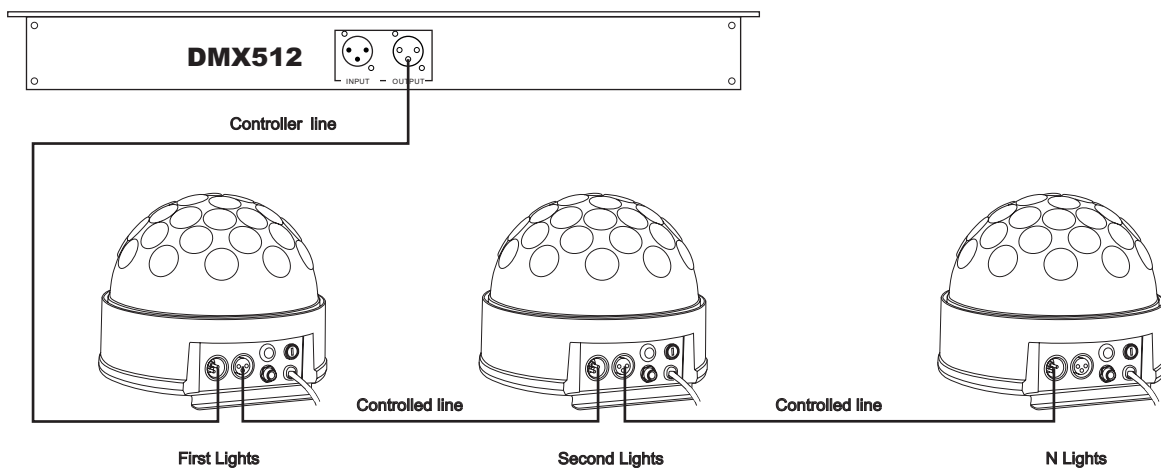


Identification

- | | | |
|-----------------------------|---------|-------------------|
| 1.DMX In | 4.Power | 7.Diswitches |
| 2.DMX Out | 5.Fuse | 8.LED Power light |
| 3.Sound sensitivity control | 6.MIC | 9.Lens |

FUCTION INTRODUTION:

It can be controlled by internationally DMX512 signal, also control with single light via dip switch, and Master/salve control. It is extremely easy to use. DMX 512 control: first, connect from console to the signal input of first light with XRL, and then connect from signal output of first light to the signal input of the second light, as the same step to the last one, for example:



3.Before using of DMX512 control, please turn power on the light.

Note: Please keep in mind that the signal output of final lamp should be connected to the circuit plug, circuit plug has a 120 ohm resistance between 2 feet and 3 feet, the circuit plus can avoiding signal reflecting phenomenon during DMX 512 transmission.

Console channel instruction.

Channel	Effect
CH1	Strobe
CH2	Blue
CH3	Green
CH4	Red
CH5	Left and right direction
CH6	Built-in program and sound active

DIP switch control by DMX 512 (take the console of CH16 and CH20 for example)

	consoler of channel 16	consoler of channel 20
The first light	1	1
The second light	1,5	1,3,5
The third light	1,6	1,4,6
The forth light	1,5,6	1,3,4,5,6
The fifth light	1,7	1,5,7
The sixth light	1,5,7	1,3,6,7
The seventh light	1,6,7	1,4,5,6,7
The eighth light	1,5,6,7	1,3,4,8

DMX-512:

- DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions form the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA "IN" and DATA "OUT" XLR terminals located on all DMX fixtures (most controllers only have a data "out" terminal).

DATA Cable (DMX cable) requirements (for DMX operation):

- The Equinox Triclops can be controlled via DMX-512 protocol. The DMX address is set on the back of the unit. Your unit and your DMX controller require a standard 3-pin XLR connector for data input/output (figure 1).

Figure 1



Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight dealers.

Please quote:

CABL10 – 2M

CABL11 – 5M

CABL12 – 10M

Also remember that DMX cable must be daisy chained and cannot be split.

LED Crystal Magic Ball Light Instruction Manual

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.

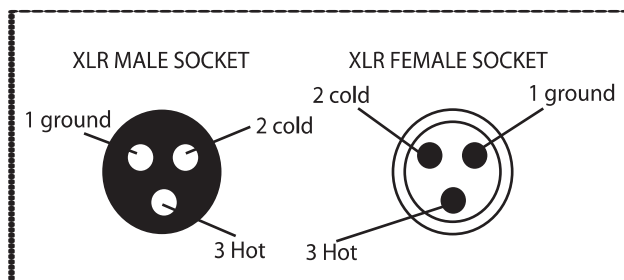
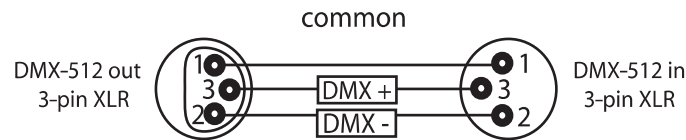


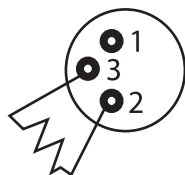
FIGURE 3

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 interference. 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.

3- Pin XLR to 5-PIN XLR Conversion		
Conductor	3-Pin XLR out	5-Pin XLR in
Ground shield	Pin 1	Pin 1
Negative (-)	Pin 2	Pin 2
Positive (+)	Pin 3	Pin 3

LED Crystal Magic Ball Light Instruction Manual

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	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	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	180		
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

