



User's manual



Varytec Hydra

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1. Safety instructions

FOR SAFE AND EFFICIENT OPERATION

Be careful with heat and extreme temperature. Avoid exposing it to direct rays of the sun or near a heating appliance.

Not put it in a temperature below 41°F /5°C, or exceeding 95°F /35°C.

Keep away from humidity, water and dust

Do not place the set in a location with high humidity or lots of dust.

Containers with water should not be placed on the set.

Keep away from sources of hum and noise

Such as transformer motor, tuner, TV set and amplifier.

To avoid placing on un-stable location

Select a level and stable location to avoid vibration.

Do not use chemicals or volatile liquids for cleaning

Use a clean dry cloth to wipe off the dust, or a wet soft cloth for stubborn dirt.

If out of work, contact sales agency immediately

Any troubles arose, remove the power plug soon, and contact with an engineer for repairing, do not open the cabinet by yourself, it might result a danger of electric shock.

Take care with the power cable

Never pull the power cable to remove the plug from the receptacle, be sure to hold the plug. When not using the player for an extended period of time be sure to disconnect the plug from the receptacle.

2. Functions

There are 3 different modes: auto, sound, and DMX mode.

2.1. Auto Mode

1. Set the dips 9 – 12 to OFF
2. Now the item runs automatic programs
3. Use the Dips 1 – 4 to choose the program
4. Use the Dips 5 – 8 to chose the speed.

Program chart

Setting (switch pin 1-4)		Program
ON	OFF	
①、②、③、④		LED off
②、③、④	①	LED Strobe
	①、②、③、④	Composite Fancy
① ~ ④ other combinations		Several programs

Speed:

The minimum speed setting is dips 5 – 8 set to ON

The maximum speed setting is dips 5 – 8 set to OFF

2.2. Sound To Light Mode

1. Set the dip 9 to ON
2. Set the dips 10 – 12 to OFF
3. Now the item works in a sound controlled condition
4. Set the programs with the dips 1 – 4 as described above
5. If there is no noise for the mic the led shuts down after 6 seconds

2.3. Master Slave Mode

In Master Slave mode, you define one item to be the master and the others to be slave.

The slave items follow the master functions.

Master:

1. Set the dip 12 to ON
2. Set the dips 10 – 11 to OFF
3. This item is defined as Master

Slave:

1. Set the dip 11 to ON
2. Set the dips 10 and 12 to OFF
3. This item is defined as Slave

Master Mode settings:

Auto program:

1. Set dip 9 to OFF
2. Now you can use dip 1 – 4 for choosing the programs and the dips 5 – 8 for setting the speed, as described above.

Music control:

1. Set the dip 9 to ON
2. Now you can use the dips 1 – 4 for choosing a program
3. After 6 seconds without noise the led shuts down automatically

Connections:

Connect all the master and slave items with a standard 3 pole dmx cable. Make sure that you are not using dmx cables with more than 5m length.

2.4. DMX Mode

1. Set the dip 10 to On and the dips 11 – 12 to OFF
2. With the remaining 9 dips you can setup the address

This fixture uses 6 dmx channels

3. DMX Channel list

Channel	Value	Function
Channel 1 (Fancy Choosing)	0-14	LED Closed
	15-224	Auto-Section Fancy
	225-239	Auto-Combination Fancy
	240-255	Sound Active- Combination Fancy
Channel 2 (Speed Control)	0-255	The channel values the larger, the fancy speed is faster; otherwise, it will be slower.
Channel 3 (Red Dimming)	0-255	When channel 1's value is smaller than 15, it can realize Red LED dimming.
Channel 4 (Green Dimming)	0-255	When channel 1's value is smaller than 15, it can realize Green LED dimming.
Channel 5 (Blue Dimming)	0-255	When channel 1's value is smaller than 15, it can realize Blue LED dimming.
Channel 6 (White Dimming)	0-255	When channel 1's value is smaller than 15, it can realize White LED dimming.

4. Technical Data

Voltage:	AC 240V / 50Hz
Power:	90W
Fuse:	250V/1A
LED specification:	(1W)LED
LED color:	R. G. B. W
LED quantity:	R(7), G(7), B(7),W(7)
Size:	L395*W395*H270 (mm)
Weight	4.0 KG

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