MOVING HEAD

# OMNIA HYBRID-350 CMY

## MANUAL





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### THANK YOU FOR PURCHASING OUR PRODUCTS

Every unit has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the outer and inner packaging for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit have arrived intact. In case damage has been found or parts are missing, please contact the distributor or your dealer for further instructions. Do not return this unit to your dealer without first contacting them.

#### **1. SAFETY INFORMATION**

1. SAFETY INI	FORMATION
$\triangle$	Before operating this unit, please carefully read this manual and keep for usage in the future. It is necessary to respect the following rules.
X	Disposal of the device after its life cycle can damage the environment. Take it to a recycling company or return it to the authorized dealer.
()	The products referred to in this manual conform to the guidelines of the European Community and are therefore marked with the CE logo.
$\triangle$	Keep this device away from children and unauthorized users. The dealer is not liable for damage as a result of ignoring the information in this manual and incorrect operation.
$\triangle$	Before operating this unit, please make sure the housing is in good condition and ensure pan and tilt can rotate in full range.
<b>∫</b> 5 m	Ensure that a minimum distance of 5 m is maintained between the fixture and any flammable material.
	The device can only function with 100-240v voltage, 50 / 60Hz power. Do not connect to any other power supply. Disconnect the device from the power supply before opening it or before maintenance.
IP20	For indoor events
	Never look directly into the projecting lens when the fixture is switched on. The light can cause epileptic seizures for light-sensitive people or people with epilepsy. Extreme caution and compliance with these safety instructions are required, especially with beam effects.
$\triangle$	Do not place or install the device on a surface that is exposed to vibration or any movement.
-15°C +45°C	The device should operate in temperature range -15 °C and + 45 °C. Do not use the device if the temperature exceeds this range.
	The lens shield must be replaced if it is broken. Never use the device if the shield is not fully closed.
	Safety I class device must be earthed.
	When the fixture is mounted overhead, the safety rope must be attached to the correct mounting location on the bottom of the device.
$\triangle$	Please note that damage caused by manual changes to the device is not covered by the warranty.
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If possible, recycle all packaging material.

#### 2. TECHNICAL INFORMATION

#### COLORS POWER Voltage: AC100~240v,50/60Hz 1 color wheel with 8 colors + white Source: 350W white LED Interchangeable, indexable, bidirectional infinite • 420W color rotation effect Power consumption: CMY color mixing CT: 7200K • Life: Linear CTO (3200K - 7200K) >20,000H • MOVEMENT 540° (16 bit) Pan movement: 270° (16 bit) Tilt movement: Open Advanced motion system: Auto repositioning, fast, quiet and smooth Blue Ο Magenta Ο Ο 0 Light Blue Orange Green

GOBOS 1 Rotating gobo wheel:

1 Fixed gobo wheel:

7 interchangeable gobo's + open, indexable and gobo shaking effect Inside diameter: 13mm. Outside diameter: 22.8mm 10 fixed gobo's + open, with gobo shaking effect





Red

СТО

3000K

Yellow



FEATURES	
DMX channels:	25/36CH
Prism:	5 facet circular prism +
	6 facet linear prism
	Rotates in both directions at
	variable speed

### speed

Motorized Focus Motorized zoom:

3°-48° linear zoom Various strobe 0-100% linear heavy frost Dimming: 0-100% linear dimming Isolated signal input Optional ArtNET control RDM compatible Temperature controlled cooling system Overheating protection

#### DISPLAY

2.8 inch LCD display with English/Chinese menu Auto lock and display flip

#### CONTROL

DMX, Auto, Manual

#### DIMENSIONS AND WEIGHT

Dimensions: 368 x 210 x 597mm Packing Dimensions: 505 x 415 x 620mm Net Weight: 21 KG Gross Weight: 24 KG

#### DIMENSIONS













#### **3. PHOTOMETRIC**



**Beam Angle** 



#### 4. DISPLAY

Shows the various menu options and selected functions.

#### Button:

ENTER	Choose the selected function
DOWN	Move down in the menu
MENU	To enter into, or leave the menu
UP	To go back or move up in the menu

ETHERNET: Transfers fixture's information to a main controller. \*
 DMX input: For DMX 512 operation, use 3/5-pin XLR plug cable to link the units together
 DMX output: For DMX 512 operation, use 3/5-pin XLR plug cable to link the units together

#### 5. MENU

Turn on the unit, press the **MENU** button into menu mode, and press the **UP/DOWN** button until the required function is shown on the monitor.

Select the function with the **ENTER** button, use the **UP/DOWN** button to choose the sub-menu, press the **ENTER** button to save and automatically return to the previous menu.

Press the **MENU** button or wait one minute to automatically exit menu mode.

The main functions are shown below:

		001		
	Address			
		512		
		Signal Select	DMX	
		DMX Mode	25CH	
		21 //11/000	25CH	
		Slave		
		Auto	Auto Speed	000 - 255
		Sound	Sensitivity	000 - 255
	Mode		Pan	000 - 255
Menu			Pan Fine	000 - 255
Menu			Tilt	000 - 255
			Tilt Fine	000 - 255
			Pan / Tilt Speed	000 - 255
			Strobe	000 - 255
		Manual Control	Dimmer	000 - 255
			Zoom	000 - 255
			Focus	000 - 255
			Auto Focus	000 - 255
			Auto Focus Fine	000 - 255
			Colour Wheel	000 - 255
			Cyan	000 - 255

\* Optional

			Magenta	000 - 255
			Yellow	000 - 255
			СТО	000 - 255
			Rot. Gobo wheel	000 - 255
			Gobo Rotation	000 - 255
			Fix Gobo Wheel	000 - 255
	Mode	Manual Control	Prism 1	000 - 255
			Prism Rot 1	000 - 255
			Prism 2	000 - 255
			Prism Rot 2	000 - 255
			Frost	000 - 255
			Control	
				000 - 255
			On	
		Display Reverse	Off	
			Auto	
		Display	On	
		,	Off	
		Keylock	On	
		Reylock	Off	
		Temp Unit	Celsius	
		lemp onit	Fahrenheit	
			Hold	
		DMX Fail	Blackout	
			Square Law	
Menu			Inverse Square Law	
	Set	Dimmer Curve	Linear	
			S Curve	
			800 Hz	
		Dimmer Frequency	1200 Hz	
			3600 Hz	
			5000 Hz	
			10 KHz	
			15 KHz	
			20 KHz	
			25 KHz	
			Standard	
		Dimension Manda	Stage	
		Dimmer Mode	TV	
			Architecture	
			Theatre	
		Pan Reverse	On	
			Off	
		Tilt Reverse	On	
			Off	
		Encoders	On	
		Encouers	Off	
		Fan Set	Auto	
			High	
			Silent	

Menu	Set	Calibrate Motor Reset Reset Default	Password / 8 All Pan / Tilt Color Gobo Other On Off	PanTiltColour WheelCyanMagentaYellowCTORot. Gobo wheelGobo Rot.Fix Color wheelZoomFocusPrism Rot.Prism Rot.Frost
		Reset Default Language	On	
		User Time	English Password	
		Set IP	Password 000.000.000.000	
	Ethernet *	Set Mask IP	000.000.000.000	
	Ethernet	Set Universe	001-512	
		Software Version	V1.00	
			Current Time	
		Time Info	Total Runtime	
	Info		LED Runtime	
		IP Info	000.000.000.000 000.000.000.000	

#### 6. WIRING CHART

Connect the DMX input (XLR connector) cable of the fixture to the DMX output (female XLR connector) of your controller. You can connect multiple fixtures to this same DMX line in a daisy chain. The DMX cable must be a shielded, twisted pair that is equipped with male and female XLR connectors.



#### USING DMX VIA ART-NET \*

To control the fixture via ART-NET, the fixtures must be interconnected with a RJ45 cable. Be sure to set all necessary information regarding the ART-NET configuration, with the universe being used and specify in the menu that the fixture is being controlled through ART-NET (see OPTION DETAILS in the « OPTIONS » menu).

#### OMNIA HYBRID-350 CMY DMX ADDRESS SETTING

All OMNIA HYBRID-350 CMY fixtures must have a DMX start address correctly set when using a DMX signal to control them. The DMX start address is the channel from which the OMNIA HYBRID-350 CMY "listens" to the digital control information sent by the DMX controller.

The start address must conform to the one set on the DMX controller to control the fixture. This address is the DMX value that appears on the fixture's display. You can set the same address for all the fixtures, or some of them, but you can also set a different address for each fixture, as needed.

If you do set the same address for all the fixtures, they will all "listen" from the DMX channel you have set. The instructions sent by the DMX controller will affect all fixtures at the same time. If you set a different address per fixture, the DMX controller can control each independently. If, for instance, the fixtures are preset in 19-channel DMX mode (required for full control), you will need to adjust the DMX address for the luminaires as follows: The first unit with DMX address 001, the second with DMX address 020(19 + 1), the third with DMX address 039 (020+19), etc.

<sup>\*</sup> Optional

#### 7. DMX CHART

Please refer to below configurations to control the fixtures Attention:

 The unit will maintain the last condition until reset if you cut off the DMX signal.
 For the channel function, keep the value for about 5 seconds then the corresponding function will take into effect.

DMX ModeValueFunction25CH36CHPan Movement 8 bit10-255Pan Movement 022Pan Fine 16 bit	
1Pan Movement 8 bit0-255Pan MovementPan Fine 16 bit	
1     1     0-255     Pan Movement       2     2     Pan Fine 16bit	
Pan Fine 16bit	
2 2	
0-255 Fine control of Pan movement	
Tilt Movement 8bit	
<b>3 3</b> 0-255 Tilt Movement	
Tilt Fine 16bit	
4 4 0-255 Fine control of Tilt movement	
Speed Pan/Tilt movement:	
5 5 0-255 max to min speed	
Shutter, strobe	
0-10 Shutter closed	
11-21 Shutter open	
22-126 Strobe effects low to fast	
<b>6 6</b> 127-137 Shutter open	
138-201 Pulse-effect in sequences	
202-212 Shutter open	
213-244 Random strobe effects low to fast	
245-255 Shutter open	
Dimmer intensity:	
<b>7 7</b> 0-255 Intensity 0 to 100%	
Dimmer intensity Fine	
8 0-255 Dimmer intensity fine	
Zoom:	
8 9 0-255 Zoom adjustment from small to big	
Zoom Fine:	
10 0-255 Zoom adjustment Fine	
Focus:	
9     11     0-255     Continuous adjustment from near to far	
Focus Fine:	
120-255Continuous adjustment Fine	
10 13 Reserved	
11 14 Reserved	
Color Wheel:	
0-19 Open	
20-25 Open/Red	
26-31 Red	
12 15 2001 Red/CTO 3200K	
38-43 CTO 3000K	
44-49 CTO 3000K / Yellow	
50-55 Yellow	

DMX Mode			
25CH	36CH	Value	Function
		56-61	Yellow/Green
		62-67	Green
		68-73	Green/Orange
		74-79	Orange
		80-85	Orange/Light blue
		86-91	Light blue
		92-97	Light blue/Magenta
		98-103	Magenta
		104-109	Magenta/Blue
		110-115	Blue
12	15	116-121	Blue/Open
12	15	122-127	Open
		128-189	Forwards rainbow effect from fast to slow
		190-193	No rotation
		194-255	Backwards rainbow effect from slow to fast
		104-109	Magenta/Blue
		110-115	Blue
		116-121	Blue/Open
		122-127	Open
		128-189	Forwards rainbow effect from fast to slow
		190-193	No rotation
		194-255	Backwards rainbow effect from slow to fast
	16		Reserved
13	17		Cyan Color
		0-255	Cyan (0-white,255-100% Cyan)
	18		Cyan Color Fine
		0-255	Cyan Fine
14	19		Magenta Color
		0-255	Magenta (0-white,255-100% Magenta)
	20		Magenta Color Fine
		0-255	Magenta Fine
15	21	0.055	Yellow Color
		0-255	Yellow (0-white,255-100% Yellow)
	22	0.055	Yellow Color Fine
		0-255	Yellow Fine
16	23	0.055	
		0-255	CTO (0-white,255-100% CTO)
	24	0.000	CTO Color Fine
		0-255	CTO Fine
		0.7	Rotating gobos, cont. rotation 1
		0-7	Open
47	05	8-20	Rot. gobo 1
17	25	21-33	Rot. gobo 2
		34-46	Rot. gobo 3
		47-59	Rot. gobo 4
		60-72	Rot. gobo 5

DMX Mode		Malua	Function
25CH	36CH	Value	Function
		73-85	Rot. gobo 6
		86-98	Rot. gobo 7
		99-111	Gobo 1 shake slow to fast
		112-124	Gobo 2 shake slow to fast
		125-137	Gobo 3 shake slow to fast
17	25	138-150	Gobo 4 shake slow to fast
		151-163	Gobo 5 shake slow to fast
		164-176	Gobo 6 shake slow to fast
		177-189	Gobo 7 shake slow to fast
		190-221	Gobo wheel rotation forwards from fast to slow
		222-223	No rotation
		224-255	Gobo wheel rotation backwards from slow to fast
			Rotating gobo index, rotating gobo rotation 1
		0-127	Gobo indexing
18	26	128-189	Forwards gobo rotation from fast to slow
		190-193	No rotation
		194-255	Backwards gobo rotation from slow to fast
			Rotating gobo indexing Fine 1
	27	0-255	Fine indexing
			Fixed Gobo 2
		0-9	Open
		10-17	Beam reducer 1
		18-25	Beam reducer 2
		26-33	Gobo 1
		34-41	Gobo 2
		42-49	Gobo 3
		50-57	Gobo 4
		58-65	Gobo 5
		66-73	Gobo 6
		74-81	Gobo 7
		82-89	Gobo 8
19	28	90-99	Beam reducer 1 shake slow to fast
		100-109	Beam reducer 2 shake slow to fast
		110-119	Gobo 1 shake slow to fast
		120-129	Gobo 2 shake slow to fast
		130-139	Gobo 3 shake slow to fast
		140-149	Gobo 4 shake slow to fast
		150-159	Gobo 5 shake slow to fast
		160-169	Gobo 6 shake slow to fast
		170-179	Gobo 7 shake slow to fast
		180-189	Gobo 8 shake slow to fast
		190-221	Gobo wheel rotation forwards from fast to slow
		222-223	No rotation
		224-255	Gobo wheel rotation backwards from slow to fast

PCH         29CH         Value         Function           20         29         012/         Open           28         29         0.12/         Open           28         23.30         Notating prism 1index, rotating prism rotation           128:23.30         Normal prism 1index, rotating prism rotation           128:19         Prism 1index, rotating prism rotation           128:19         Normal prism rotation from fast to slow           128:19         Rotating prism rotation from fast to slow to fast           130         0:25:5         Fine Indexing Fine           120:25:5         Prism 2           120:25:5         Prism 2           120:25:5         Prism 2           120:25:5         Prism 1indexing prism rotation           120:25:5         Prism 1           120:19:10         Norotation           120:19:10         Norotation           120:19:10         Norotation           120:19:10         Norotation           120:25:5         Fine Indexing Fine           120:19:10         Norotation           120:19:10         Norotation           120:20         Prism 1indexing 1           120:19:10         Norotation           120:19:10 <th>DMX Mode</th> <th></th> <th></th> <th>Function.</th>	DMX Mode			Function.		
29         0-127         Open           188255         Prism           Partial prism 1index, rotating prism rotation           21         30           21         30           21         30           21         30           21         1819           194-25         Relating prism rotation from fast to slow           194-25         Relating prism rotation from fast to slow           194-25         Prism rotation           22         32         0-127           0         0-127         Open           128-25         Prism 2           0         0-127         Open           128-189         Prism rotation from fast to slow           130         0-127         Prism Indexing Prism rotation           128-189         Prism rotation from fast to slow           131         128-189         Prism rotation from fast to slow           134         Prism 1indexing Fine         Prism 1indexing Fine           134-25         Relating prism rotation from fast to slow         Prism 1indexing Fine           134-25         Prism 1indexing Fine         Prism 1indexing Fine           134-25         Prism 1indexing Fine         Prism 1indexing Fine	19CH	25CH	Value	Function		
<ul> <li>128-255</li> <li>Prism</li> <li>0-127</li> <li>Prism indexing prism index, rotating prism rotation</li> <li>0-128</li> <li>128-189</li> <li>Forwards prism rotation from fast to slow</li> <li>190-193</li> <li>No rotation</li> <li>190-193</li> <li>No rotation</li> <li>Rotating prism indexing from</li> <li>Rotating prism indexing from</li> <li>Rotating prism indexing from</li> <li>23</li> <li>34</li> <li>0-255</li> <li>Prism 1</li> <li>0-256</li> <li>Prism indexing</li> <li>0-127</li> <li>Prism indexing</li> <li>0-127</li> <li>Prism indexing prism rotation from fast to slow</li> <li>128-255</li> <li>Prism indexing</li> <li>0-127</li> <li>Prism indexing</li> <li>0-127</li> <li>Prism indexing</li> <li>0-127</li> <li>Prism indexing prism rotation from fast to slow</li> <li>128-189</li> <li>Porwards prism rotation from fast to slow</li> <li>Porot</li> <li>Porot</li> <li>Porot</li> <li>Porot&lt;</li></ul>				Prism 1		
21         30         Image: state st	20	29	0-127	Open		
21         30         0-172         Prism indexing           128-189         Forwards prism rotation from fast to slow           129-123         No rotation           129-125         Backwards prism rotation from fast to slow           129-255         Backwards prism rotation from slow to fast           121         0-255         Fine indexing from 1           22         23         0-117         Open           128-255         Prism 2         Prism 2           128-255         Prism 1         Prism 2           128-255         Prism indexing from 5         Prism 1           0-127         Open         Prism 1           0-128         Prism indexing prism rotation from fast to slow         1           128-189         Forwards prism rotation from fast to slow         1           129-193         No rotation         1         1           129-193         Open         1         1         1           129-193         No rotation         1         1         1         1			128-255	Prism		
21         30         128.189         Forwards prism rotation from fast to slow           190-193         Norotation           194-255         Backwards prism rotation from fast to slow to fast           0-275         Frien a factating prism 1 indexing Fine           0-275         Frien a factating prism 1 indexing Fine           0-275         Frien a factating prism 1 indexing Fine           22         32         0-27           34         Pain indexing           128.255         Prism 2           23         128.189         Forwards prism rotation from fast to slow           129.193         Norotation         10127           129.193 <th></th> <td></td> <td></td> <td>Rotating prism 1 index, rotating prism rotation</td>				Rotating prism 1 index, rotating prism rotation		
Part Part Part Part Part Part Part Part			0-127	Prism indexing		
<ul> <li>Part Prime Prima Prime Prime Prima Prima Prima Prima Prima Prima Prima Prima</li></ul>	21	30	128-189	Forwards prism rotation from fast to slow		
31         Rotating prism 1 indexing Fine           0-255         Fine indexing           Part P         Pine Indexing           Part P         Pine Indexing           128         92           92         92           93         Interprism 2 indexing prism rotation           128:925         Prism indexing           94         Porverds prism rotation from fast to slow           190-193         Noratian           190-193         Noratian           194-255         Backwards prism rotation from fast to slow           194-255         Backwards prism 2 indexing Fine           0-127         Prism 1 indexing           0-28         Rest LCD, Fans           0-29         O-255           0-109         Inseal from indexing Fine           0-29         Outply linear Irrost           0-29         Outply linear Irrost           0-29         Outply linear Irrost           10.19         Insel Account of Indexing           0-29         Display Invert Onf           134.3         Display Invert Off           137.43         Display Invert Onf           144.49         Display Invert Off           104.449         Display Invert Ont			190-193	Norotation		
<ul> <li>Pise indexing</li> <li>Pise 2</li> <li>32</li> <li>127</li> <li>Open</li> <li>128-25</li> <li>Pise 2</li> <li>128-25</li> <li>Pise 2</li> <li>Pise 1</li> <li>Pise 2</li> <li>Pise 1</li> <li>Pise 2</li> <li>Pise 3</li> <li>Pise 3</li></ul>			194-255	Backwards prism rotation from slow to fast		
Pine indexing       22     32     0-127     Open       128-255     Prism 2     Rotating prism 2 index.rotating prism rotation       23     33     0-127     Prism indexing       0-127     Prism indexing     0-107       128-139     Forwards prism rotation from fast to slow       120-193     No rotation       190-193     No rotation       194-255     Backwards prism rotation from slow to fast       194-255     Backwards prism rotation from slow to fast       194-255     O-100% Linear Frost       194     0-255     0-100% Linear Frost       194     0-255     0-100% Linear Frost       194     0-255     0-100% Linear Frost       194     0-9     unused       194     0-9     Unused       194     0-9     Display Off       192     0-9     Display Off       194     0-9     Display Invert Off       195     Auto fan control mode     60-69       195     Auto fan control mode     60-69       196     Display Invert Off     37-43       196     Display Invert Off     37-43       197     Silent fan control mode       105-79     Auto fan control mode       105-79     Auto fan control mode				Rotating prism 1 indexing Fine		
22         32         0-127         Oper           128-255         Prism           Natating prism 2 index;notating prism rotation           0-127         Prism index;not           0-127         Prism index;not           33         128-189         Forwards prism rotation from fast to slow           190-193         No rotation         No rotation           194-255         Backwards prism rotation from slow to fast           0<255         Fine indexing           10         0-255         Fine indexing           0<255         O-100% Linear Frost           10-19         Display Off           10-19         Display Off           20-29         Display Off           37-43         Display Off           37-43         Display Invert Off           37-43         Display Invert Off           37-43         Display Invert Off           37-43         Display Invert On           44-49         Display Invert On           44-49         Display Invert Auto           50-59         Auto fan control mode           60-69         High fan control mode           80-82         Square Law           92-94         300H2 Refresh rate      <		31	0-255	Fine indexing		
Partial Part Part Part Part Part Part Part Part				Prism 2		
2333Notating prism 2 index.rotating prism rotation0-127Prism indexing129-193Porwards prism rotation from fast to slow190-193No rotation190-193No rotation194-255Backwards prism rotation from slow to fast2436Fost0-255Fine indexing0-255O-100% linear Frost0-9unused10-19Display Off20-29Display Off30-36Display Invert Off37-43Display Invert Off30-36Display Invert Off37-43Display Invert Off30-46Siturat a control mode60-69High fan control mode70-79Siturat a law84Siturat a law83-85Inv SQ Law83-85Inv SQ Law84-88Linear89-91S Curve92-94800Hz Refresh rate92-10360Hz Refresh rate104-10610KHz Refresh rate104-106	22	32	0-127	Open		
23 33 33 33 128-189 128-189 129-193 No rotation No rotation from fast to slow 190-193 No rotation No rotation from slow to fast 84 0-255 6-255 6-255 6-255 7-00% 100% 10-197 0-100% 100% 10-197 0-100% 100% 10-197 0-100% 10-197 10-197 10-197 10-197 10-101-12 10-197 <th></th> <td></td> <td>128-255</td> <td>Prism</td>			128-255	Prism		
23         33         128-189         Forwards prism rotation from fast to slow           190-193         No rotation           194-255         Backwards prism rotation from slow to fast           94         Rotating prism 2 indexing Fine           0-255         Indexing Prism 2 indexing Fine           0-255         0-100% Linear Frost           0-9         unused           10-19         Display Off           20-27         Display Off           20-29         Display On           30-36         Display On           37-43         Display Invert Off           37-43         Display Invert On           44.49         Display Invert On           44.49         Display Invert On           45.40         Nor Quare Law           80-82         Square Law           80-82         Square Law           80-81         Inver           80-82         Square Law           80-84         Linear           80-91         SCurve           80-92         SQuare Law           80-91         SCurve           92-94         SOOH2 Refresh rate           92-91         SOOH2 Refresh rate           92-91         <				Rotating prism 2 index, rotating prism rotation		
Partial Part Part Part Part Part Part Part Part			0-127	Prism indexing		
194-255         Backwards prism rotation from slow to fast           24         34         Rotating prism 2 indexing Fine           24         35         Fine indexing           0-255         0-100% Linear Frost         0-100% Linear Frost           0-9         unused         0-9           10-19         Display Off         0-29           0-30         Display Off         0-30           30-36         Display Invert Off         0-30           30-36         Display Invert On         0-44.49           30-36         Display Invert On         0-59           30-36         Display Invert On         0-69           30-36         Super Law         80-82           30-59         Auto fan control mode         0-69           40-49         Display Invert Auto         0-69           30-89         Square Law         80-82           30-80         Square Law         80-82           30-91         SCurve         9-91           30-92         Scurve         9-91	23	33	128-189	Forwards prism rotation from fast to slow		
34Retains prism 2 indexing Fine0-255Fine indexing2435Frost0-2550-100% Linear Frost0-9unused10-19Display Off20-29Display On30-36Display Invert Off37-43Display Invert On60-69High fan control mode60-79Silent fan control mode60-69High fan control mode60-79Silent fan control mode80-82Square Law80-83Invert Que80-84Linear80-85Sure80-85Sure92-94800Hz Refresh rate95-971200Hz Refresh rate95-973600Hz Refresh rate96-10110XHz Refresh rate101-103500Hz Refresh rate101-10310XHz Refresh rate101-10410XHz Refresh rate101-10510XHz Refresh rate101-105 <th></th> <td></td> <td>190-193</td> <td>Norotation</td>			190-193	Norotation		
34         initial production           P4         Fost           0-255         0-100% Linear Frost           Reset, LCD, Fans         Reset, LCD, Fans           0-9         unused           10-19         Display Off           30-36         Display Unvert Off           30-36         Display Invert On           44.49         Display Invert Auto           50-59         Auto fan control mode           60-69         High fan control mode           60-69         Silent fan control mode           80-82         Square Law           80-82         Square Law           80-82         Square Law           80-84         Linear           80-85         Inv SQ Law           80-81         Linear           80-82         SQuare Law           80-81         Linear           80-82         SQuare Law           80-83 <t< th=""><th></th><td></td><td>194-255</td><td>Backwards prism rotation from slow to fast</td></t<>			194-255	Backwards prism rotation from slow to fast		
24         35         Fine indexing           24         35         -rost           0-255         0-100% Linear Frost           Normal Sector (CD) Fans         0-9           0-9         unused           10-19         Display Off           20-29         Display Off           30-36         Display On           30-36         Display Invert Off           37-43         Display Invert On           44-49         Display Invert On           44-49         Display Invert Auto           50-59         Auto fan control mode           60-69         High fan control mode           70-79         Silent fan control mode           80-82         Square Law           81-85         Inv SQ Law           86-88         Linear           90-91         SCurve           92-94         800Hz Refresh rate           95-97         1200Hz Refresh rate           95-97         1200Hz Refresh rate           101-103         S000Hz Refresh rate           101-104         10KHz Refresh rate           101-105         S00Hz Refresh rate           101-112         20KHz Refresh rate           101-112         20KHz		24		Rotating prism 2 indexing Fine		
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<ul> <li>Partial Section 1 Secti</li></ul>			20-29	Display On		
<ul> <li>Pain Pain Pain Pain Pain Pain Pain Pain</li></ul>			30-36	Display Invert Off		
<ul> <li>Partial Solution Note Solution</li></ul>			37-43	Display Invert On		
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113-11525KHz Refresh rate			107-109	15KHz Refresh rate		
			110-112	20KHz Refresh rate		
116-118 Standard			113-115	25KHz Refresh rate		
			116-118	Standard		
119-121 Stage			119-121	Stage		

		122-124	TV
		125-127	Architecture
		128-130	Theatre
		131-133	Gobo in + CTB Correction Off
		134-136	Gobo in + CTB Correction On
25	36	137-149	unused
25	30	150-159	All motor reset
		160-169	Scan motor reset
		170-179	Colors motor reset
		180-189	Gobo motor reset
		190-199	Other motor reset
		200-255	unused

#### 8. ERROR MESSAGES

When you turn on your OMNIA HYBRID-350 CMY, it will first perform an automatic reset. The display may show "Err channel is XX" indicating there is a problem with one or more of the channels. "XX" represents channel 1, 2, 3, 4, 5 or 6, which contain the testing sensor for positioning. For example, the message, "Err channel is Pan movement", indicates an error in channel 1. If there is an error on channel 1 and channel 3 at the same time, the following error message may appear: "Err channel is Pan movement". The system will flash twice, and the fixture will generate a second reset. If the error message persists after more than two resets, the channels showing errors will not work properly but the other channels will function normally.

### Please contact your authorized dealer or Light-Inc for service and do not attempt to repair the fixture yourself.

#### PAN-movement Er

(PAN-yoke movement error): This message will appear after the reset if the yoke's magnetic-indexing circuit malfunctions (failed sensor or magnet missing) or the stepping-motor is defective (also caused by its driving IC on the main PCB). The PAN- movement does not return to the default position after the reset.

#### TILT- movement Er

(TILT- head movement error) This message will appear after the reset of the fixture if the head's magneticindexing circuit malfunctions ((Optical Sensor or Magnetic Sensor fails)) or the stepper motor is defective (or its driving IC on the main PCB). The TILT-movement is not located in the default position after the reset.

#### Zoom Er

(Zoom error) This message will appear after the reset of the fixture if the head's magnetic-indexing circuit malfunctions (Optical Sensor or Magnetic Sensor fails) or the stepper motor is defective (or its driving IC on the main PCB). The Zoom -movement is not located in the default position after the reset.

#### Focus Er

(Focuswheel error) This message will appear after the reset of the fixture if the head's magnetic-indexing circuit malfunctions (Optical Sensor or Magnetic Sensor fails) or the stepper motor is defective (or its driving IC on the main PCB). The Focus -movement is not located in the default position after the reset.

#### Color wheel Er

(Color wheel- error) This message will appear after the reset of the fixture if the head's magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the steppermotor is defective (or its driving IC on the main PCB). The Color - movement is not located in the default position after the reset.

#### Rot\_Gobo wheel Er

(Rot\_Gobo1wheel - error) This message will appear after the reset of the fixture if the head's magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the steppermotor is defective (or its driving IC on the main PCB). The Rot\_Gobo1 - movement is not located in the default position after the reset.

#### Fix\_Gobo wheel Er

(Fix\_Gobowheel - error) This message will appear after the reset of the fixture if the head's magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the steppermotor is defective (or its driving IC on the main PCB). The Fix\_Gobo - movement is not located in the default position after the reset.

#### Prism Er

(Prism error) This message will appear after the reset of the fixture if the head's magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the steppermotor is defective (or its driving IC on the main PCB). The Prism\_5 - movement is not located in the default position after the reset.

#### Frost Er

(Frost - error) This message will appear after the reset of the fixture if the head's magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the steppermotor is defective (or its driving IC on the main PCB). The Frost 1 - movement is not located in the default position after the reset.

#### 9. CLEANING AND MAINTENANCE

The following points have to be considered during inspection:

- 1. All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
- 2. There must not be any deformations to the housing, lenses, rigging and installation points (ceiling, suspension, truss).
- 3. Motorized parts must not show any signs of wear and must move smoothly without issue.
- 4. The power supply cables must not show any damage, material fatigue or sediment.

Further instructions depending on the installation location and usage have to be adhered to by a qualified installer and any safety concerns have to be removed.

#### **10. NOTES**

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ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

