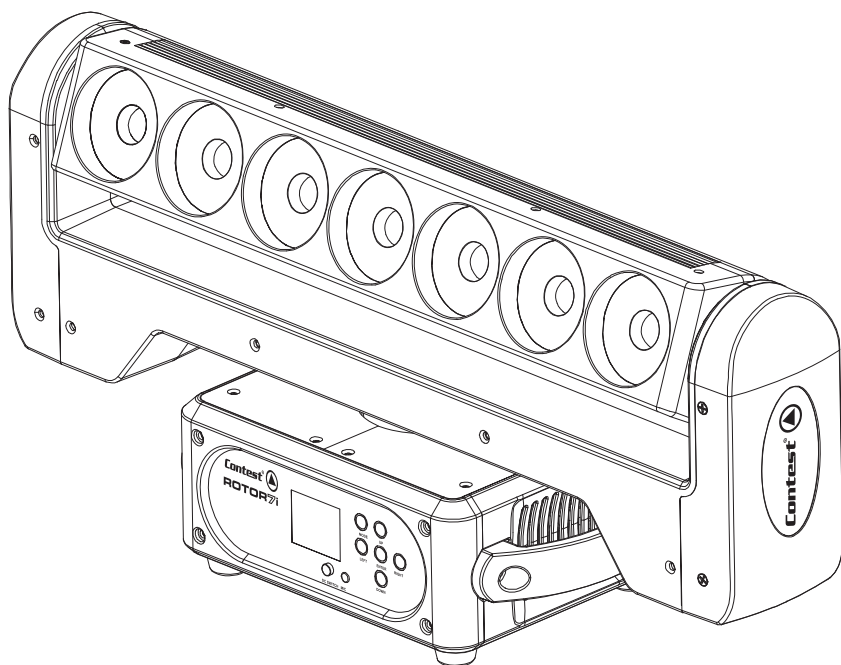


7 X 15W 4-IN-1 LED BAR WITH ARTNET AND INFINITY MOVE



ROTOR7i

1 - Safety information

Important safety information

This unit is intended for indoor use only. Do not use it in a wet, or extremely cold/hot locations. Failure to follow these safety instructions could result in fire, electric shock, injury, or damage to this product or other property.



Any maintenance procedure must be performed by a CONTEST authorised technical service. Basic cleaning operations must thoroughly follow our safety instructions.



This product contains non-isolated electrical components. Do not undertake any maintenance operation when it is switched on as it may result in electric shock.

Symboles utilisés



Le symbole IMPORTANT signale une recommandation d'utilisation importante.



Le symbole WARNING signale un risque d'atteinte à l'intégrité physique de l'utilisateur et de toute autre personne présente.
Le produit peut de plus être endommagé.



Le symbole CAUTION signale un risque de dégradation du produit.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING: This unit contains no user-serviceable parts. Do not open the housing or attempt any maintenance by yourself. In the unlikely even your unit may require service, please contact your nearest dealer.

In order to avoid any electrical malfunction, please do not use any multi-socket, power cord extension or connecting system without making sure they are perfectly isolated and present no defect.

Warning
 This product is equipped with Class 2 LEDs.
 Please avoid looking directly at the beam as it may cause severe eye injuries.

Recycling your device

- As HITMUSIC is really involved in the environmental cause, we only commercialise clean, ROHS compliant products.
- When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

Instructions and recommendations

1 - Please read carefully :

We strongly recommend to read carefully and understand the safety instructions before attempting to operate this unit.

2 - Please keep this manual :

We strongly recommend to keep this manual with the unit for future reference.

3 - Operate carefully this product :

We strongly recommend to take into consideration every safety instruction.

4 - Follow the instructions:

Please carefully follow each safety instruction to avoid any physical harm or property damage.

5 - Avoid water and wet locations :

Do not use this product in rain, or near washbasins or other wet locations.

6 - Installation :

We strongly encourage you to only use a fixation system or support recommended by the manufacturer or supplied with this product. Carefully follow the installation instructions and use the adequate tools. Always ensure this unit is firmly fixed to avoid vibration and slipping while operating as it may result in physical injury.

7 - Ceiling or wall installation :

Please contact your local dealer before attempting any ceiling or wall installation.

8 - Ventilation :

The cooling vents ensure a safe use of this product, and avoid any overheating risk. Do not obstruct or cover these vents as it may result in overheating and potential physical injury or product damage. This product should never be operated in a closed non-ventilated area such as a flight case or a rack, unless cooling vents are provided for the purpose.

9 - Heat exposure :

Sustained contact or proximity with warm surfaces may cause overheating and product damages. Please keep this product away from any heat source such as a heaters, amplifiers, hot plates, etc...

10 - Electric power supply :

This product can only be operated according to a very specific voltage. These information are specified on the label located at the rear of the product.

11 - Power cords protection:

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at lugs, convenience receptacles and the point where they exit from the fixture.

12 - Cleaning precautions :

Unplug the product before attempting any cleaning operation. This product should be cleaned only with accessories recommended by the manufacturer. Use a damp cloth to clean the surface. Do not wash this product.

13 - Long periods of non use :

Disconnect the unit's main power during long periods of non use.

14 - Liquids or objects penetration :

Do not let any object penetrate this product as it may result in electric shock or fire. Never spill any liquid on this product as it may infiltrate the electronic components and result in electric shock or fire.

15 - This product should be serviced when :

- Please contact the qualified service personnel if :
- The power cord or the plug has been damaged.
 - Objects have fallen or liquid has been spilled into the appliance.
 - The appliance has been exposed to rain or water.
 - The product does not appear to operate normally.
 - The product has been damaged.

16 - Inspection/maintenance :

Please do not attempt any inspection or maintenance by yourself. Refer all servicing to qualified personnel.

17 - Operating environment :

Ambient temperature and humidity: +5 - +35°C, relative humidity must be less than 85% (when cooling vents are not obstructed).

Do not operate this product in a non-ventilated, very humid or warm place.

2 - Introduction

Thank you for purchasing the ROTOR7i moving head. You now have in your possession a high-quality, powerful and intelligent device absolutely perfect for parties, animations, live events...

3 - Technical specifications

Light source

- 7 x 15W LEDs
- 4-in-1 : Red, Green, Blue and White from the same source
- Expected lifespan of 50,000 hours
- Low temperature, low power consumption and works many hours continuously

Colours

- Configure each LED independently
- Colour macro
- Colour presets

Effects

- Automatic or music-sensitive programs
- Adjustable strobe and random strobe
- Random strobe and random pulse for each pixel
- 1 -25 flashes per second strobe and random strobe
- Adjustable electronic dimmer: 0 - 100%

Control

- Standard DMX-512
- 15, 24 and 44 DMX channels
- Ethernet port for Art-NET and KlingNET™ command protocols
- Assignable patch to every channel
- 15 built-in automatic and music-sensitive programs
- Automatic detection of the DMX, slave or master mode
- Colour LCD drop-down menu to choose and assign the different modes
- Battery-operated memory system to address and choose modes without the 230V power supply
- Compatible with RDM for console feedbacks

Movements

- 8 or 16 bits Pan and Tilt resolutions
- Ranges: Pan 540 or 630° - Tilt 265°
- Infinite PAN and TILT rotation
- The DMX and the menu allow you to adjust the movement speed
- Position memory and auto repositioning

Optical

- Beamwidth: 4°
- Light output: 8100 Lux at 5m

Additional characteristics

- Adjustable fan speed
- Power consumption: 133W max.
- Power supply: 100/240V, AC - 50/60Hz
- Net weight: 18.6 Kg

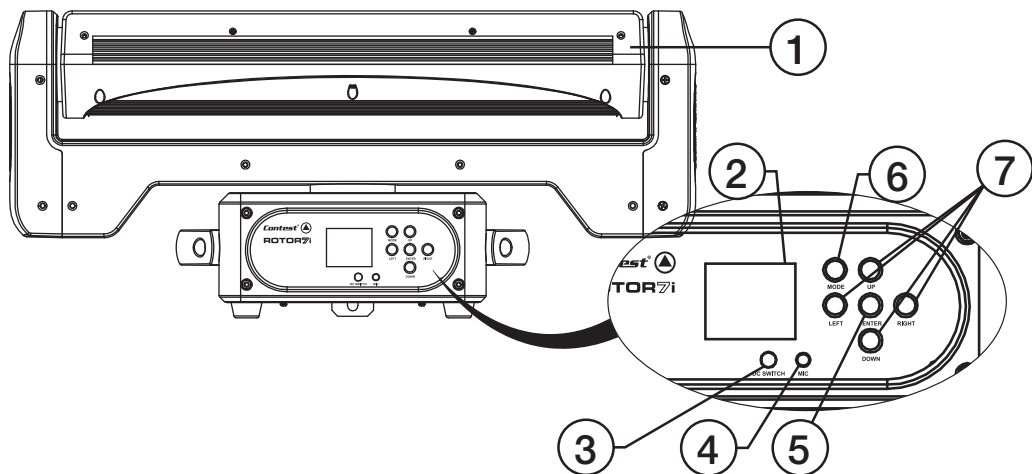
Contenu de l'emballage

- Your ROTOR7i
- 1 fixation brackets with Omega holders
- The user guide
- 1x2-pole + earth power cord / Powercon® socket

NOTE:

The internal software can be upgraded via the DMX port, using a specific tool. This update can only be performed by a qualified technician.

4 - Description



1 - Bar with lenses

2 - Display

Allows you to visualise menus.

3 - DC SWITCH button

Switches the menu on when the moving head is not plugged in.

4 - MIC

Used for music-sensitive modes.

5 - ENTER button

Selects functions and saves changes.

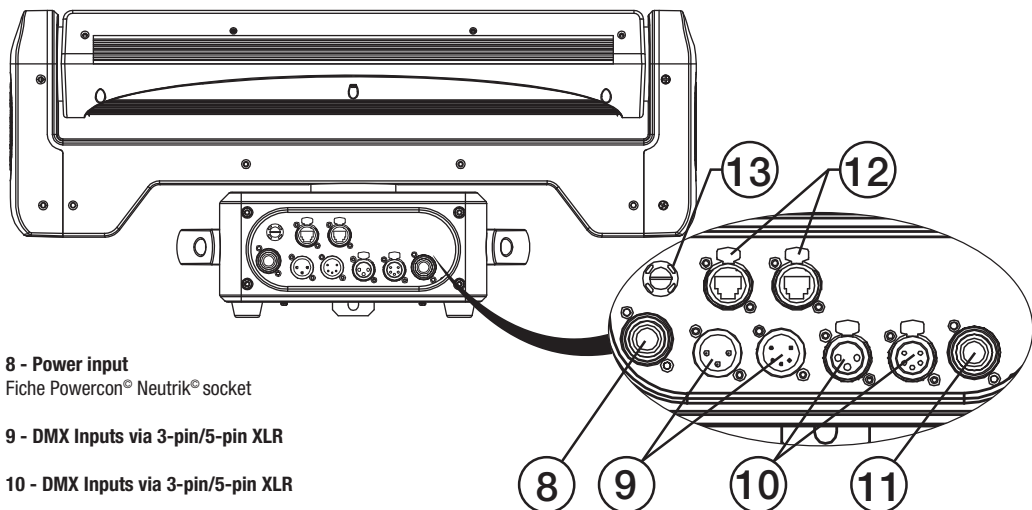
6 - MODE button

Allows you to browse through menus.

Allows you to browse through menus and change values.

7 - UP / DOWN / LEFT / RIGHT Navigation button

Allows you to browse through menus and change values.



8 - Power input

Fiche Powercon® Neutrik® socket

9 - DMX Inputs via 3-pin/5-pin XLR

10 - DMX Inputs via 3-pin/5-pin XLR

11 - Power output

Powercon® Neutrik® socket

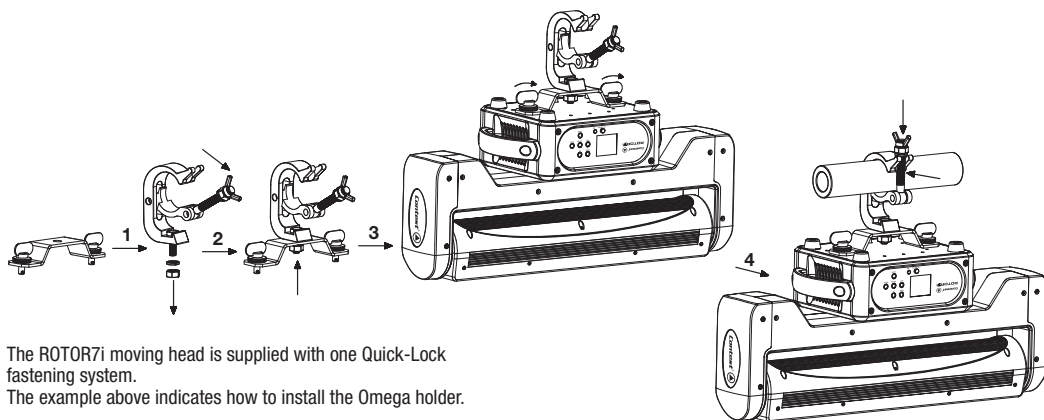
12 - Ethernet input/output

RJ45 sockets.

13 - Fuse

Fuse : T2A - 250V ; 5 x 20 mm

5 - Installing Quick-Lock fastening systems



The Rotor7i moving head is supplied with one Quick-Lock fastening system.

The example above indicates how to install the Omega holder.

- 1- Attach Omega holder or hook clamp to the Quick-Lock system.
- 2- Position your Omega - Quick-Lock system on top of the drilled holes located below the Rotor7i.
- 3- Rotate the Quick-Lock wing nuts a quarter turn.
- 4- Attach the Omega fixation to a structure and lock it.



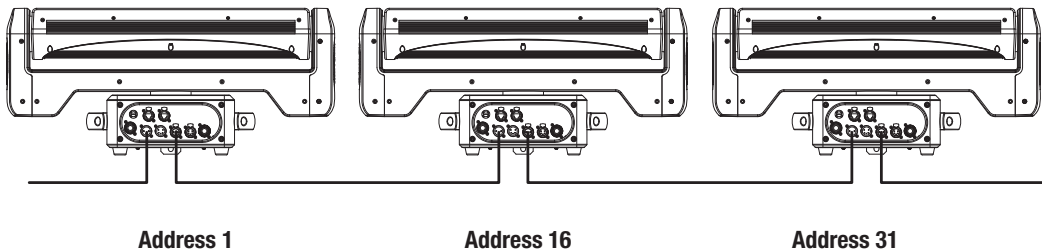
CAUTION !

Please make sure the hanging point is properly tightened.
Using a safety wire is mandatory.

6 - Cabling, addressing and daisy chaining

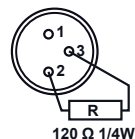
Connecting the DMX remote control :

Connect the female plug of your XLR cable to your DMX remote control XLR output, then connect your cable male output to the moving head. Daisy chain your moving heads with XLR cables.



Using a DMX line termination :

When long runs of cable are used (more than 100m, you may need to use a terminator on the last unit to avoid erratic behavior. A terminator is a 110-120 ohm 1/4 watt resistor which is connected between pins 2 and 3 of a male XLR connector. This unit is inserted in the female XLR connector of the last unit in your daisy chain to terminate the line.



Addressing the units :

Every unit must have a DMX address in order to respond to DMX signals. The address corresponds to the channel number on which the unit receives an incoming DMX signal sent by the DMX remote control. The DMX addressing can be performed by programming the channel number via the display located on the base of the unit. You can either assign the same address to your units so they all react to the same signal, or assign a unique address per unit to control them independently.

In the example above, the Rotor7i uses 15 channels (standard mode).

You must skip 15 channels between each address you assign.

The address of the first unit will be 1, the second unit will be 16 (1+15), the third unit will be 31 (17+16) and so on.

NB : Once switched on, the Rotor7i automatically detects any incoming DMX signal and the display indicates the unit DMX address. If the unit does not receive any DMX signal, the display will flash. In such a case, please make sure the cable is properly plugged into the DMX input of your moving head, your remote control is switched on and the cables used are not defective.

Daisy chaining :

The POWERCON® input/output system allows you to daisy chain several Rotor7i units.

Warning: You cannot use the same chain to supply more than 10 Rotor7i at 220V.

When using a 11th moving head, please use a new power source.





7 - Menus

The ROTOR7i features many menus allowing you to configure its every move and function.

Press **MODE** to access the main menu.

Use the navigation keys to browse through submenus. Then press **ENTER** to access a submenu.

Use the  and  navigation keys to change values.

Press **ENTER** to save changes.

Press **MODE** again to leave a submenu.

- Notes:
- Values in bold are the default values.
 - In order to access menus when the moving head is turned off (thanks to the internal battery), press **DC Switch** and hold for more than 2 seconds. If the buttons are not used and remain inactive for 1 minute, the display will automatically turn off.
 - When browsing through menus, values in blue are values currently in use. When entering a new value, it will be written in red until you save changes by pressing **ENTER**.

7.1 FUNCTION

This menu allows you to change the initial DMX address, visualise the channels DMX values and select an operating mode.

Submenus	Lower menus	Values	Description
Address	Set Address	From A001 to AXXX	Assigns a DMX address. The moving head automatically activates the DMX mode once the DMX address has been configured.
	Slave Set	Slave 1 , Slave 2, Slave 3	Allows you to determine how the moving head will react when the slave mode is activated.
Program	Auto	Alone , Master	Once the Automatic mode is activated, the moving head can operate by itself or as a Master unit.
	Sound	Alone , Master	Once the Music-sensitive mode is activated, the moving head can operate by itself (Alone) or as a Master unit (Master).

7.2 INFORMATION

This menu allows you to visualise the moving head running time, its temperature, and the current version of the internal software.

Submenus	Lower menus	Values	Description
Time. Info	Current	XXXX (hours)	Current running time since the unit was last switched on.
	Total Time	XXXX (hours)	Overall running time since the very first time the device was switched on.
	Last Clear	XXXX (hours)	Running time since the last running time reset.
	Timer PIN	PIN = 038	Password allowing you to reset the Last Run Time.
	Clear Last	ON/OFF	Allows you to reset the Last Run Time.
Temp. Info	Head. Temp	XXX °C/°F	Temperature of the projector head (°C).
Software. V	1U01 V1.03 2U01 V1.03 3U01 V1.03 4U01 V1.03		Current version of the internal software.
Model. Info	FLAG25i		Displays the name of your product
Error. Info	Pan, Tilt, ...		Displays function error(s)

7.3 PERSONALITY

This menu allows you to configure the moving head reactions, adjust the ventilation, customise the display and reset all functions to factory settings.

Submenus	Lower menus	Values	Description
Status Setting	Remote. Add	ON/OFF	Activates the addressing via a DMX controller function.
	No DMX Status	Close Shutter/ Hold /Auto Program/ Music Control	Configures the moving head reactions in case of DMX signal interruptions: <ul style="list-style-type: none"> • Close Shutter: The projector blacks out • Hold: The projector holds onto the last information received • Auto Program: The projector activates the Auto mode via built-in programs • Music Program: The projector activates the Music-sensitive mode via built-in programs
	Pan Reverse	ON/OFF	Reverses PAN movements.
	Tilt Reverse	ON/OFF	Reverses TILT movements.
	Pan Degree	Pan 540 Pan 630	<ul style="list-style-type: none"> • Determine the PAN movement range : • Pan540 : 540° rotation (1, 5 turn) • Pan630 : 630° rotation (1, 75 turn)
	Tilt. Degree	Tilt 215 Tilt 270	<ul style="list-style-type: none"> • Determine the TILT movement range : • Tilt215 : 215° rotation (0,6 turn) • Tilt270 : 270° rotation (0, 75 turn)
	Feedback	ON/OFF	The projector sends movement feedbacks

7.3 PERSONALITY (continuation and end)

Submenus	Lower menus	Values		Description
Status (continuation)	Mov. Speed	Speed 1 ~ 4		Determines the AUTO mode movement speed : 1 = fastest ; 4 = slowest
	Mic Sens	0 ~ 99%		Configures the internal mic sensitivity when using the music-sensitive mode
	Stand By	OFF 01m ~99m (05m)		Sets a timer for the moving head to enter the sleep mode if no DMX signal has been received. The moving head will automatically resets when a DMX signal is detected again. The default value is 15 minutes.
LCD Set	Shutoff time	02 ~60m (05m)		Timer after which the display shuts off when it remains inactive.
	Display Reverse	ON/OFF		Rotates the display on a 180° angle
	Key Lock	ON/OFF		Allows you to lock the keyboard after a 15-second period of inactivity. The keyboard can be unlocked by pressing the Menu button for 3 seconds.
	Disp Flash	ON/OFF		The display flashes when no DMX signal is detected.
Temp. C/F	Celsius / Fahrenheit			Allows you to choose which unit of temperature will be displayed.
Dim. Curve	<ul style="list-style-type: none">• Standard• Stage• TV• Architectural• Theatre			The dimmer gradation speed depends on the mode used. Please refer to chapter 8.2 for more information about this.
Init. Status	Auto Program = XXX PAN = XXXetc			Allows you configure the initial state of each function when the projector is switched on.
Default	ON/OFF			Resets to factory settings. Please note that user programs will be erased.
ChannelValue	PAN, TILT, ...			Displays the value of each channel
Ethernet	Fixture Id	Service PIN	PIN=XXX	Service PIN 050
		RDM PID	XXXXX	Displays the RDM PID code
		Unit IP Addr	XXX.XXX.XXX.XXX	Sets the IP address of your device
		Universe	000 - 255	Sets the Universe address of your device
	Protocol Set	ArtNet, KlingNet		Allows you to choose the Internet protocol used
	Net Switch	ON/OFF		Activates or deactivates the Ethernet output

7.4 Reset

This menu allows you to reset the motors step-by-step (e.g. if positioning errors are detected).

Submenus	Description
Reset ALL	Resets all motors.
ResetPanTilt	Resets PAN and TILT motors.

7.5 User Mode Set

This menu allows you to choose one of the preset DMX modes (number of channels used) or edit your own patch (order and number of channels used).

Next chapter will detail more precisely functions assigned to each channel depending on the mode used.

Submenus	Values	Description
User Mode	Standard	This default mode uses 20 DMX channels with the most frequently used functions.
	Basic	Uses 15 channels, this is the simplest mode.
	Extend	This mode uses 44 channels, allowing you to separately control each colour of each LED independently
	User A	User Mode A
	User B	User Mode B
	User Mode C	User Mode C
Edit A	Max Channel = XX PAN = CHXX ...etc	User mode A editing : - Max Channel is the number of channels used. - PAN = CHXX is the channel used by the PAN function. When a function is moved to another channel, it will be replaced by the former function using the same channels.
Edit B	Max Channel = XX PAN = CHXX ...etc	Similar
Edit C	Max Channel = XX PAN = CHXX ...etc	Similar

7.6 Edit Program

This menu allows you to select the programs assigned to each of the 3 program groups, edit the 9 built-in programs and edit the 250 scenes forming these programs.

The ROTOR7i can be assigned to 3 different slave groups (via the Slave mode function in the Function menu).

The designated Master unit sends programs containing slave groups information.

Programs are sent in a loop as follows :

Slave units receive every program but only reacts to those assigned to their group.

A unit assigned to the Slave 2 group will only react to the Auto Pro Part 2 program.

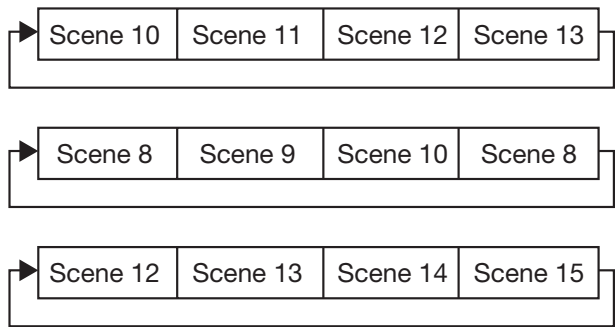
Submenus	Values		Description
Select. Pro	Pro Part1 = Program 1 ~ 10 (Program 1) Pro Part2 = Program 1 ~ 10 (Program 2) Pro Part3 = Program 1 ~ 10 (Program 3)		Allows you to assign one of the 9 internal programs to each Pro Part X
Edit. Pro	Program 1 Program 2 ... Program 10	<ul style="list-style-type: none"> • Pro Test • Step 01 ~ 64 	Allows you to select the scenes assigned to each program. Press ENTER to assign one of the available scenes to each step. A single scene can be assigned to different steps. Assign the End scene to the last step of the program to set the end of the program. Use the Pro Test submenu to visualise the scenes assigned to the program you are currently editing.
Edit. Sce	Scene 001 Scene 002 Scene 250	<ul style="list-style-type: none"> • Auto Program, PAN, TILT Fine, ... • Scene Time • Fade Time • Input By Outside 	This submenu allows you to edit one of the 250 scenes. Select a scene and press ENTER. Select each function (PAN, TILT, ...etc) and press ENTER, then assign a value included between 000 and 255 to each function. Then indicate the scene duration (in seconds) and the fade out duration. The Input By Outside function allows you to receive a scene sent by a DMX controller.
Sce. Input	XXX - XXX		This submenu allows you to automatically record a scene sent by a DMX controller. You can store up to 250 scenes. Indicate the number of scenes you want to save, precising the opening and ending scenes. The opening scene selection uses the left and right arrow buttons. The ending scene selection uses the up and down arrow buttons. Press ENTER. The moving head now awaits incoming scenes from the DMX controller.

More details about program groups sequencing and scenes they include:

Example:
Program 2 includes scenes 10, 11, 12 and 13
Program 4 includes scenes 8, 9 and 10
Program 6 includes scenes 12, 13, 14 and 15

Auto Pro Part 1 is assigned to program 2
Auto Pro Part 2 is assigned to program 4
Auto Pro Part 3 is assigned to program 6

The 3 slave groups will run the programs according to the same number of steps as follows:



7.7 Effect Adjust

This menu allows you to test and manually control each function, and recalibrate PAN and TILT movements.

Submenus	Values	Description
Test. Chan	AUTO PAN etc	Tests each function individually.
Manual. Ctrl	AUTO = XXX PAN = XXX etc	Controls each function manually.
Calibrate	-Password-	Password to unlock calibration = 050
	PAN = XXX TILT = XXX	Allows you to set very precisely the initial PAN and TILT positions (after a reset or when the moving head is turned on).

8 - Dmx channels and their functions

The ROTOR7i moving head includes 3 preset DMX modes :

The Basic mode features 16 channels, the Standard mode features 21 channels and the Expert mode features 117 channels.

The following chart indicates DMX values of each channels.

Note : St = Standard, Ba = Basique et Ex = Expert.

8.1 DMX channels

Modes / Channels			DMX values	Functions and effects
St	Ba	Ex		
1	1	1	PAN movement	
			000 - 255	PAN movement
2		2	16-bit PAN movement	
			000 - 255	Very precise PAN movement settings
3	2	3	TILT movement	
			000 - 255	TILT movement
4		4	16-bit TILT movement	
			000 - 255	Very precise TILT movement settings
5	3	5	PAN/TILT movements speed and reaction	
			000 - 225	Fast to slow speed settings
			226 - 235	Black out during movements
			236 - 255	No function, max speed
6	4	6	Non-stop PAN movement	
			000 - 127	No function
			128 - 189	Clockwise fast-to-slow rotation
			190 - 193	No rotation
7	5	7	Non-stop TILT movement	
			000 - 127	No function
			128 - 189	Clockwise fast-to-slow rotation
			190 - 193	No rotation
8	6	8	Strobe	
			000-007	LEDs off
			008-014	No function, LEDs on
			015-054	Slow to fast strobe
			055-061	No function, LEDs on
			062-101	Slow to fast pulse effect
			102-108	No function, LEDs on
			109-148	Slow to fast random strobe
			149-155	No function, LEDs on
			156-195	Slow-to-fast random pulse per pixel
			196-202	No function, LEDs on
			203-242	Slow-to-fast random strobe per pixel
			243-255	No function, LEDs on
9	7	9	Dimmer	
			000 - 255	Intensity: 0 - 100%
10	8		All LEDs red	
			000 - 255	000 : Black out - 255 : red 100%
11	9		All LEDs green	
			000 - 255	000 : Black out - 255 : green 100%
12	10		ALL LEDs blue	
			000 - 255	000 : Black out - 255 : bleu 100%

13	11		All LEDs white	
			000 - 255	000 : Black out - 255 : blanc 100%
14	10		Colour macros	
			000 - 007	No function
			008 - 039	From Red to Yellow
			040 - 071	From Yellow to Green
			072 - 103	From Green to Cyan
			104 - 135	From Cyan to Blue
			136 - 167	From Blue to Magenta
			168 - 199	From Magenta to Red
			200 - 231	From Red to White
15	11		232 - 255	Slow to fast Rainbow effect
			Preset colours	
			000-004	No function
			005-009	White 2700°K
			010-014	White 3200°K
			015-019	White 4300°K
			020-024	White 5600°K
			025-029	White 6500°K
			030-034	White 8000°K
			035-039	Yellow
			040-044	Magenta
			045-049	Cyan
			050-054	Salmon
			055-059	Turquoise
			060-064	Light green
			065-069	Steel blue
			070-074	Orange
			075-079	Straw
			080-084	Light lavender
			085-089	Pink
			090-094	Green
			095-099	Red
			100-104	Blue
			105-109	White
			110-114	Rainbow Effect 1
			115-119	Rainbow Effect 2
			120-124	Rainbow Effect 3
			125-129	Rainbow Effect 4
			130-134	Rainbow Effect 5
			135-139	Rainbow Effect 6
			140-144	Rainbow Effect 7
			145-149	Rainbow Effect 8
			150-154	Rainbow Effect 9
			155-159	Rainbow Effect 10
			160-164	Rainbow Effect 11
			165-169	Rainbow Effect 12
			170-174	Rainbow Effect 13
			175-179	Rainbow Effect 14
			180-184	Rainbow Effect 15
			185-189	Rainbow Effect 16
			190-194	Rainbow Effect 17
			195-199	Rainbow Effect 18
			200-255	Rainbow Effect 19

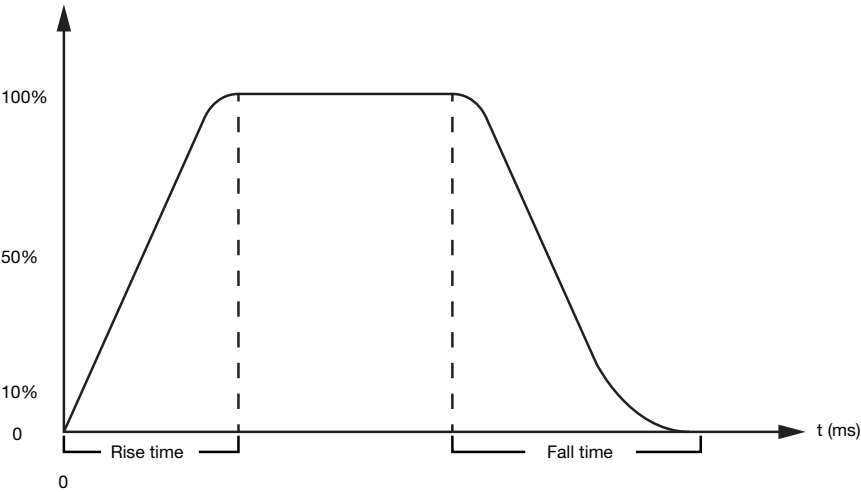
16		12	Preset colours dimmer	
			000 - 255	Intensity from 0 to 100%
			Sequences	
			000-010	No function
			011-019	Automatic program 1 with automatic colours
			020-027	Automatic program 2 with automatic colours
			028-035	Automatic program 3 with automatic colours
			036-042	Automatic program 4 with automatic colours
			043-049	Automatic program 5 with automatic colours
			050-056	Automatic program 6 with automatic colours
			057-063	Automatic program 7 with automatic colours
			064-070	Automatic program 8 with automatic colours
			071-077	Automatic program 9 with automatic colours
			078-084	Automatic program 10 with automatic colours
			085-091	Automatic program 11 with automatic colours
			092-098	Automatic program 12 with automatic colours
			099-105	Automatic program 13 with automatic colours
17	12	13	106-112	Automatic program 14 with automatic colours
			113-119	Automatic program 15 with automatic colours
			120-126	Automatic program 1 with customized colours
			127-133	Automatic program 2 with customized colours
			134-140	Automatic program 3 with customized colours
			141-147	Automatic program 4 with customized colours
			148-154	Automatic program 5 with customized colours
			155-161	Automatic program 6 with customized colours
			162-168	Automatic program 7 with customized colours
			169-175	Automatic program 8 with customized colours
			176-182	Automatic program 9 with customized colours
			183-189	Automatic program 10 with customized colours
			190-196	Automatic program 11 with customized colours
			197-203	Automatic program 12 with customized colours
			204-210	Automatic program 13 with customized colours
			211-217	Automatic program 14 with customized colours
			218-255	Automatic program 15 with customized colours
18	13	14	Program speed	
			000 - 255	Slow to fast
19	14	15	Transition speed	
			000 - 255	Fast to slow
20	15	16	Internal programs and options	
			000 - 079	No function
			080 - 084	Resets all motors
			085 - 087	Resets PAN and TILT motors
			088 - 099	No function
			100 - 119	Built-in program 1 - Scenes from 1 to 8
			120 - 139	Built-in program 2 - Scenes from 9 to 16
			140 - 159	Built-in program 3 - Scenes from 17 to 24
			160 - 179	Built-in program 4 - Scenes from 25 to 32
			180 - 199	Built-in program 5 - Scenes from 33 to 40
			200 - 219	Built-in program 6 - Scenes from 41 to 48
			220 - 239	Built-in program 7 - Scenes from 49 to 56
			240 - 255	Music-sensitive program - Program 1 scenes

		17	LED 1 Red	000 - 255	000 : Black out - 255 : red 100%
		18	LED 1 Green	000 - 255	000 : Black out - 255 : green 100%
		19	LED 1 Blue	000 - 255	000 : Black out - 255 : blue 100%
		20	LED 1 White	000 - 255	000 : Black out - 255 : white 100%

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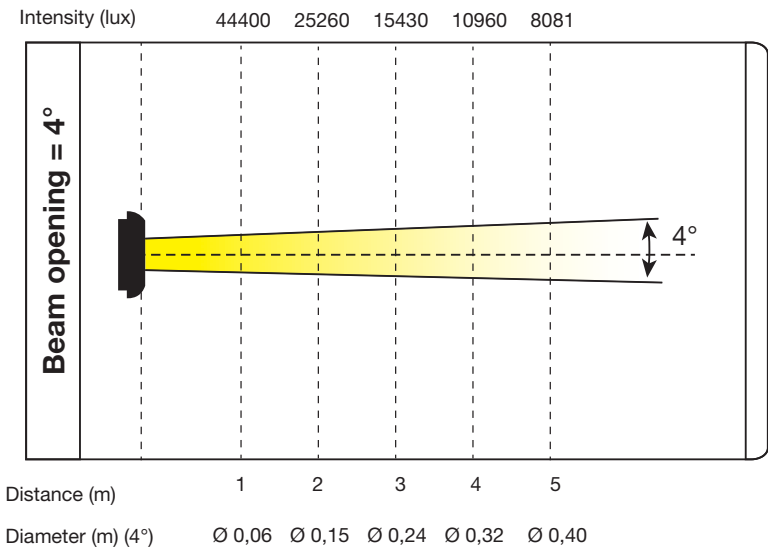
		41	LED 7 RED	000 - 255	000 : Black out - 255 : red 100%
		42	LED 7 Green	000 - 255	000 : Black out - 255 : green 100%
		43	LED 7 Blue	000 - 255	000 : Black out - 255 : blue 100%
		44	LED 7 White	000 - 255	000 : Black out - 255 : white 100%

8.2 Different dimmer modes



Dimmer modes	From 0 - 255 with a 0 second fading time		From 0 - 255 with a 1 second fading time	
	Rise time in millisecond	Fall time in millisecond	Rise time in millisecond	Fall time in millisecond
Standard	0	0	0	0
Scene	780	1100	1540	1660
Television	1180	1520	1660	1940
Architectural	1380	1730	2040	2120
Theatre	1580	1940	2230	2280

9 - Photometric datas



10 - Error messages

Once switched on the unit will launch an initialisation. The display will indicate «Error channel is XX» if a problem occurs with one or several channels.

The unit will then reset all its motors to their initial positions. The message may keeps appearing after 3 resets, meaning there are more than 3 errors. Channels cannot operate properly in the event of 3 errors or more, if they are less than 3 errors the defective channels will be disabled.

Error channel is 05: PAN movement error (yoke).

This message will appear upon initialisation if the PAN position magnetic sensor of your device is defective.

Error channel is 06: TILT movement error (head).

This message will appear upon initialisation if the TIL position magnetic sensor of your device is defective.

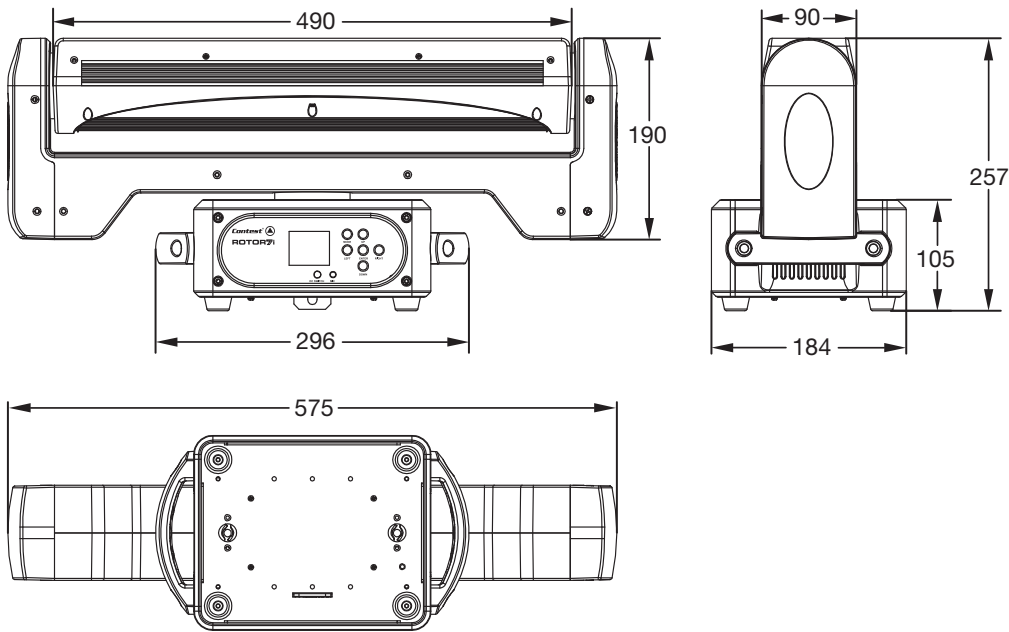
Errors may have various origins. Sensors are used to set the motors in their default position.

Either the magnetic sensors are defective, or the magnets have been displaced.

Problems might also come from a defective motor or the motor electronic management.

In any case, please write down the error displayed and contact your retailer to launch a maintenance procedure.

11 - Dimensions



12 - Notes

Because CONTEST® takes the utmost care in its products to make sure you only get the best possible quality, our products are subjects to modifications without prior notice. That is why technical specifications and the products physical configuration might differ from the illustrations.

Make sure you get the latest news and updates about the CONTEST® products on www.contest-lighting.com
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