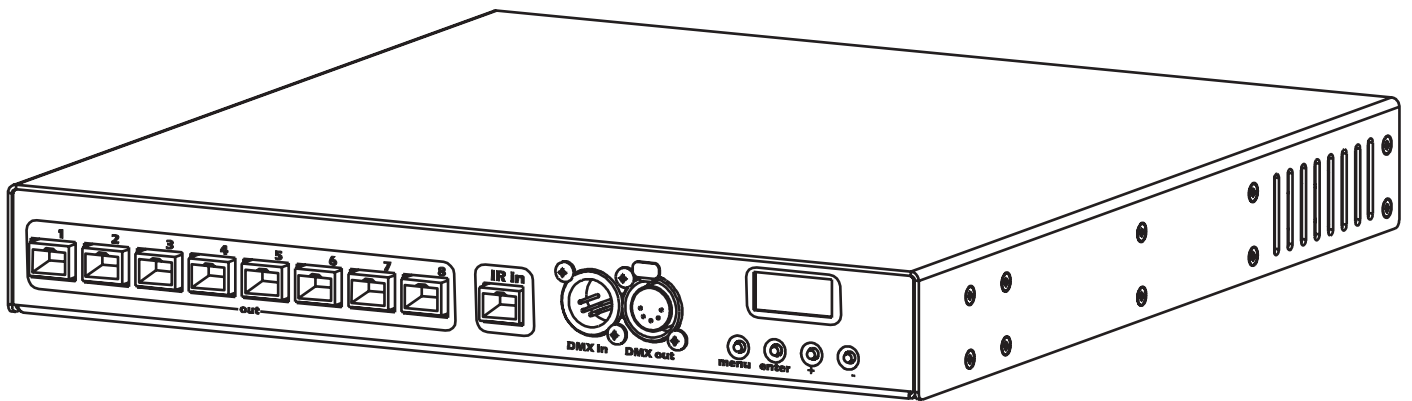


Concept Design 384



Concept Design 384

Serial Number:

.....

Purchase date:

.....

Dealer:

.....

Address:

.....

Suburb:

.....

Country:

.....

Phone / Fax:

.....

Please note in the space provided above the relative service information of the model and the retailer from whom you purchased your **Concept Design 384**: this information will assist us in providing spare parts, repairs or in answering any technical enquiries with the utmost speed and accuracy.

WARNING: the security of the fixture is granted only if these instructions are strictly followed; therefore it is absolutely necessary to keep this manual.

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Congratulations on having purchased a **Coemar** product. You have assured yourself of a fixture of the highest quality, both in componentry and in the technology used. We renew our invitation to you to complete the service information on the previous page, to expedite any request for service information or spares (in case of problems encountered either during, or subsequent to, installation). This information will assist in providing prompt and accurate advice from your **Coemar** service centre. Following the instructions and procedures outlined in this manual will ensure the maximum efficiency of this product for years to come.

1. Packaging and transportation

1.1 Packaging

Open the packaging and make sure that no part of the equipment has suffered any damage during the transportation. In case of damage to the fixture, contact your carrier and your supplier immediately by telephone, fax or e-mail, and inform them you will formally notify them in writing through registered letter.

Packing list

Ensure the packaging contains:

- 1 Concept Design 384**
- 1 Instruction manual**
- 1 Main power plugs**

1.2 Transportation

The **Concept Design 384** should be transported in either its original packaging.

2. General information

2.1 Safety informations

Fire prevention:



1. Never locate the fixture on any flammable surface.
2. Minimum distance from flammable materials: 0,5 m.
3. Minimum distance from the closet illuminable surface: 0,5 m.
4. Replace any blown or damaged fuse only with those of identical values. Refer to the schematic diagram if there is any doubt.
5. Connect the projector to mains power protected by a thermal magnetic circuit breaker.

Prevention from electric shock:



1. Presence of high voltage inside of the fixture. Insulate the projector from mains supply before opening or performing any function which involves touching the inside of the fixture, including lamp replacement.
2. For the connection to the mains, adhere strictly to the guidelines outlined in this manual.

3. The level of technology of **Concept Design 384** requires the use of specialised personnel for all service applications; refer all work to your authorised **Coemar** service centre.
4. A good earth connection is essential for the proper functioning of the fixture. Never connect the fixture if there is no earth connection.
5. Mains cables must not come into contact with other cables.
6. Do not operate the fixture with wet hands or in an area where water is present.
7. The fixture must never be located in an exposed position, or in areas of extreme humidity.

Safety:



1. The fixture must always be installed with bolts, clamps, or other fixing devices which are suitably rated to support the weight of the fixture.
2. Always use a secondary safety fixing device with chain or steel wire of a suitable rating to sustain the weight of the unit in case of failure of the principal fixing point.
3. The external surfaces of the unit, at various points, may reach 60°C. Never handle the unit until at least 10 minutes have elapsed since the fixture was turned off.
4. Never install the fixture in an enclosed area lacking sufficient air flow; the room temperature must not exceed 35°C.
5. The projector contains electronic and electrical components which must under no circumstances be in contact with water, oil or any other liquid. Failure to do so will compromise the proper functioning of the fixture.

2.2 Warranty conditions

1. The fixture is under warranty for 36 months from the purchase date against factory defections.
2. Damage ought to unskillfulness, inappropriate use, or lack of suggested maintenance are excluded from the warranty.
3. Warranty expires when the fixture is opened by unauthorized personnel.
4. Warranty doesn't include the replacement of the fixture.
5. Serial number and model of the fixture are necessary to retrieve informations and assistance from the dealer.

2.3 EC Norms

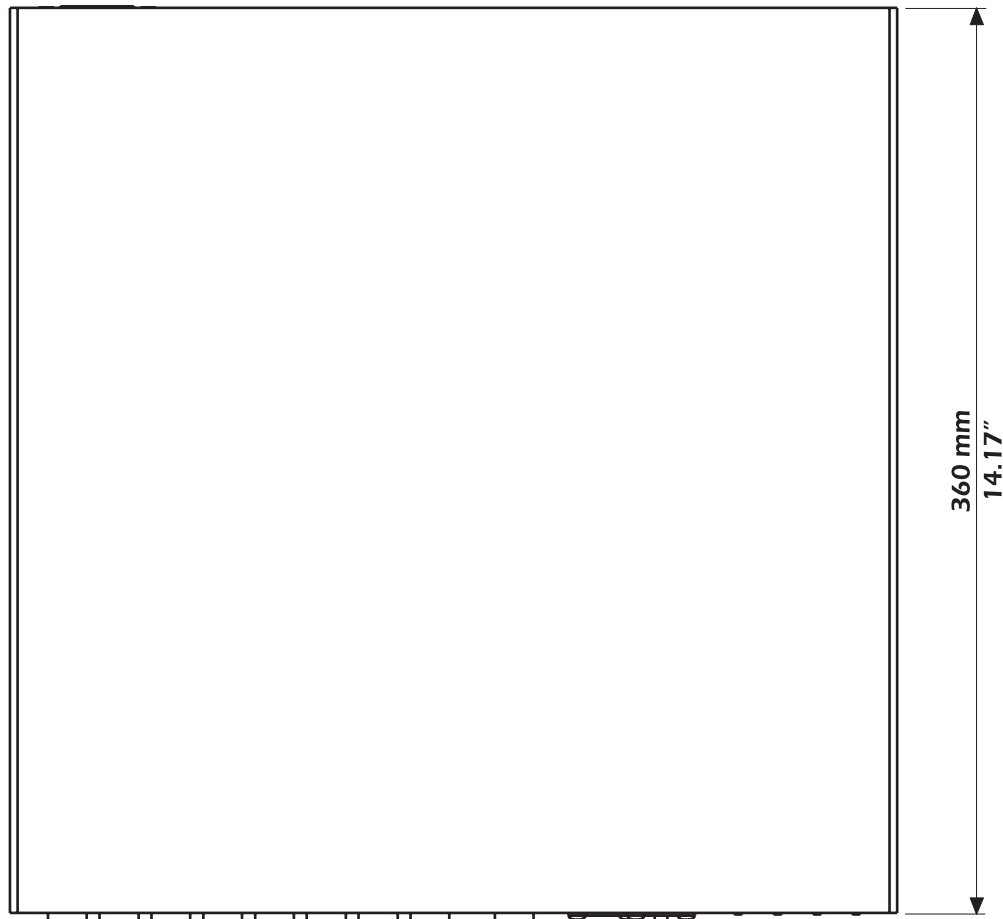
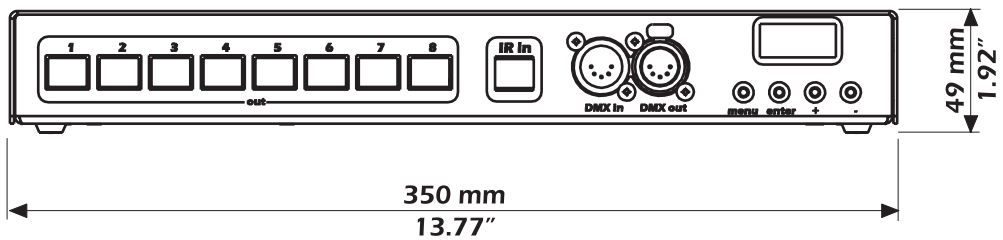
The fixture meets all fundamental applicable EC requirements.

3. Product specifications

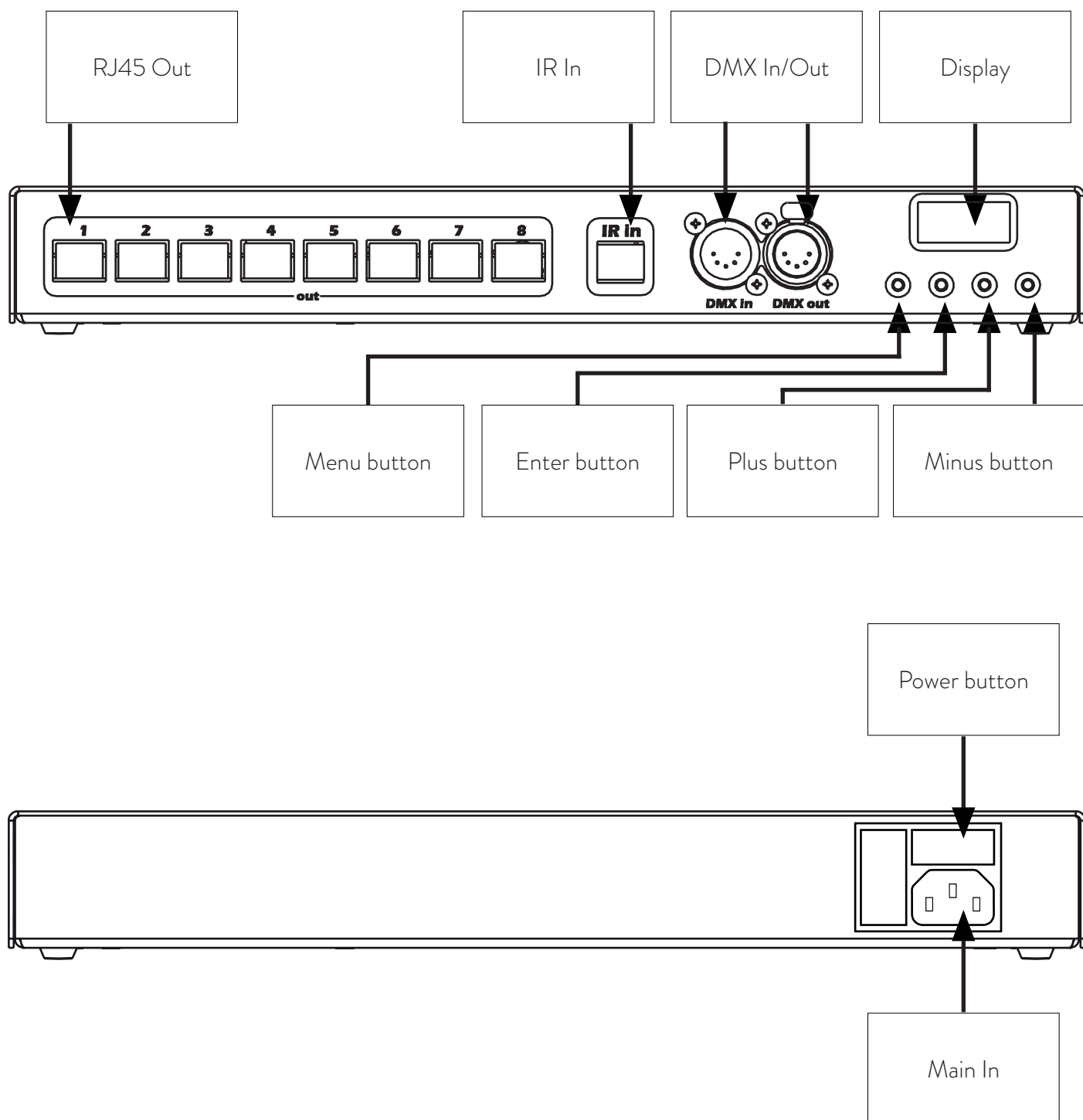
3.1 Technical characteristics

Power supply	90-260 V, auto-sensing, 50/60 Hz
Maximum current	3 A @ 230 V, 5 A @ 115 V
Power factor	Cosφ = 0.9
Max power consumption	500 W - 350 mA
Maximum internal temperature	80 °C / 176 °F
Maximum external temperature	35 °C / 95 °F
Weight (without optic)	3.5 kg - 7.7 lbs

3.2 Dimensions



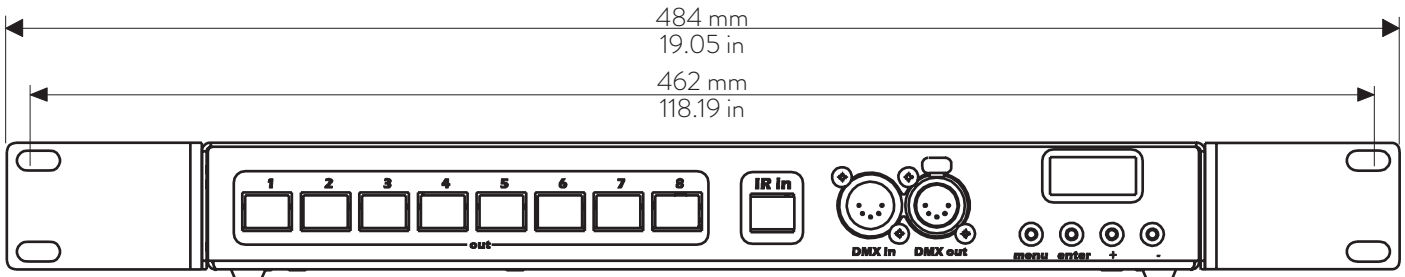
3.3 Back/front panel description



4. Installation

4.1 Mechanical installation

Concept Design 384 can be placed on a shelf or inserted in a standard rack by the two mounting brackets enclosed.



5. Powering up

5.1 Operating voltage and frequency

The fixture may operate at voltages from 90 to 260 V at a frequency of 50 or 60 Hz. It is not necessary to effect any setup procedures, **Concept Design 384** will automatically adjust its operation to suit any frequency or voltage within this range.

5.2 Connection to mains power

Mains cable characteristics

The mains cable provided is thermally resistant, complying to the most recent International standards.

Connection to mains power

Concept Design 384 is equipped with a power connector IEC.

The max absorption of **Concept Design 384** is reported in the following table:

- 230 V: 3 A constant during normal exercise.
- 115 V: 5 A constant during normal exercise.

Warning!

The use of a thermal/magnetic circuit breaker is recommended. Strict adherence to regulatory norms is strongly recommended.

Concept Design 384 should not be powered through a Dimmer as this may damage the internal switching power supply

Prior to connecting the device to mains power, ensure that the mains characteristics are within the recommended range for use with **Concept Design 384**.

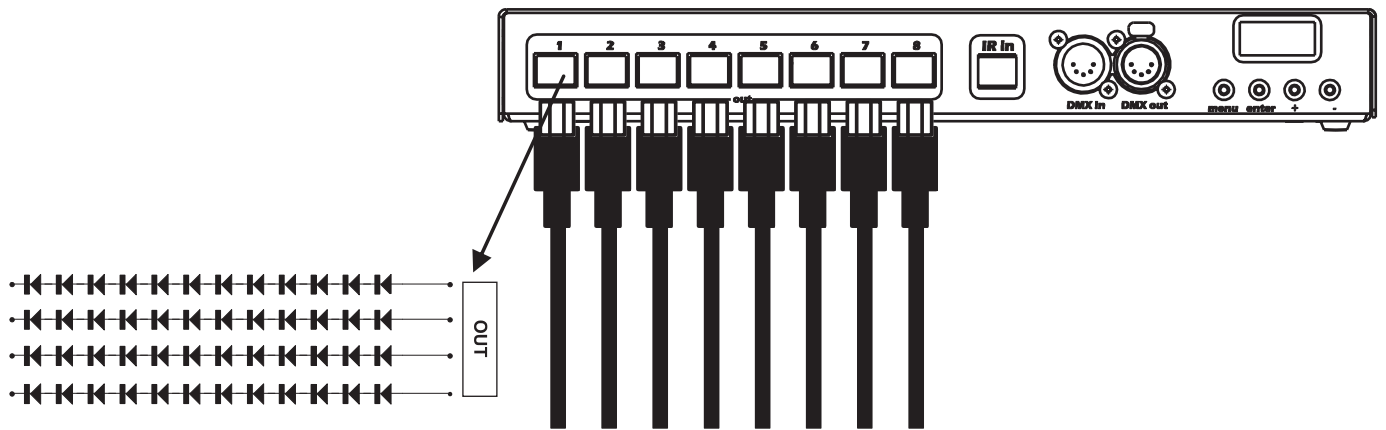
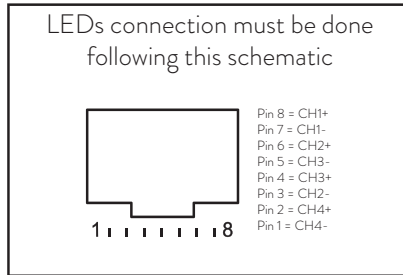
A good earth connection is essential for the correct operation of **Concept Design 384**.

All cabling and connection should be carried out by suitably qualified personnel.

6. Connections

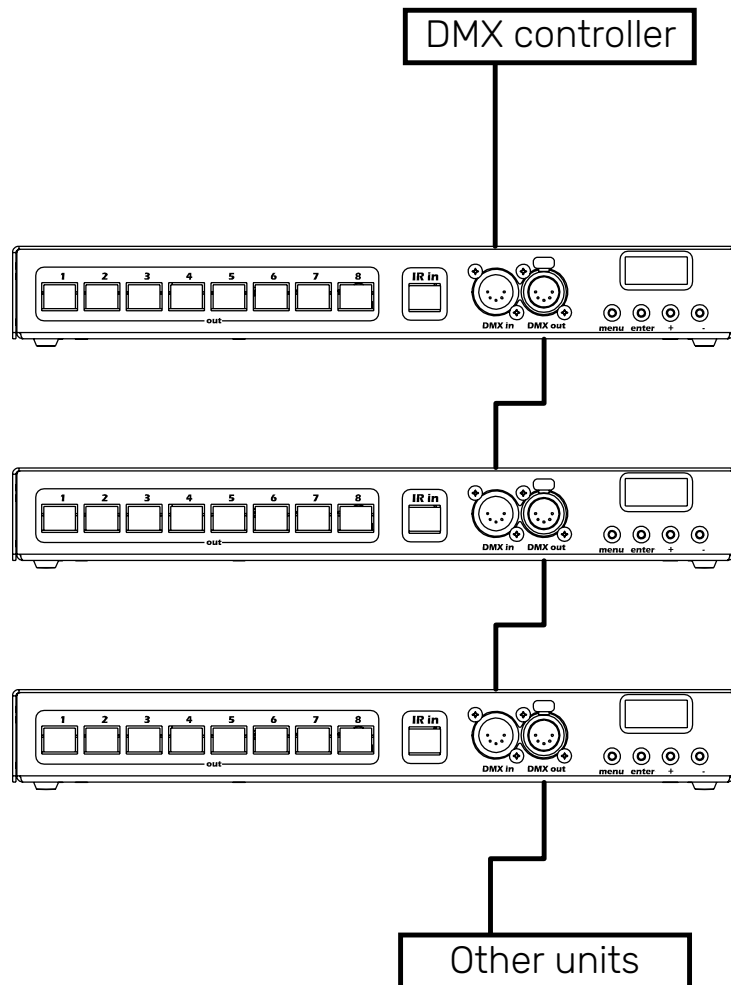
6.1 LEDs connection

Concept Design 384 can at the same time supply up to 8 outputs, each output can control up to 4 channels at 350 mA constant current and a maximum of 47 Volts.



6.3 DMX connection

Concept Design 384 can work in DMX mode and it can be controlled by a DMX controller:



Signal connection via XLR5 connectors:

Connection is to international standards. Connection is as indicated below.

- Pin 1 = GND
- Pin 2 = data -
- Pin 3 = data +
- Pin 4 = n.c.
- Pin 5 = n.c.

Warning!

Ensure that all data conductors are insulated from one another, the screening and the metal housing of the connector.

Pin # 1 and the housing should never be connected to mains earth connection.

7. Turning the fixture on and DMX functions

7.1 Turning the unit on

After **Concept Design 384** has been connected to mains, to the controller and to the LEDs, the unit will turn on automatically.

The display will turn on showing the actual DMX channel (A001 default setting). If the DMX signal is not connected the address will blink.

7.2 DMX address setting

When turned on the display will show "A001" it indicates that the actual DMX address is 001; the unit will answer to channels 1 to 4, 1 to 6, 1 to 32 or 1 to 48. See DMX charts for further information about functions. Added units in the DMX line must have as address the multiple number of the previous unit, for example: in 4 channels mode, the second unit will have address A005, the third A009 the fourth A013 and so on.

Altering DMX address (only available with DMX signal connected)

1. Press the + or – buttons until the display shows the required DMX address. The characters in the display will blink to indicate that the selection is not stored in memory yet.
2. Press the Enter button to confirm your selection. The display panel will cease to flash and the fixture will now respond to the new DMX 512 address.

NB: holding down the + or – buttons will cause the display to alter at an increase speed, allowing a faster selection to be made.

Warning!

If you alter the DMX with no DMX controller connected, the characters in the display panel will continue to flash even after you have pressed the ENTER button.

7.3 DMX Chart 64 channels

zones	channel	function	type of control	effect	decimal	percentage
Out 1	1	master dimmer ch 1.1	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	2	master fine dimmer ch 1.1	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	3	master dimmer ch 1.2	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	4	master fine dimmer ch 1.2	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	5	master dimmer ch 1.3	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	6	master fine dimmer ch 1.3	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	7	master dimmer ch 1.4	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	8	master fine dimmer ch 1.4	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
Out 2	9	master dimmer ch 2.1	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	10	master fine dimmer ch 2.1	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	11	master dimmer ch 2.2	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	12	master fine dimmer ch 2.2	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	13	master dimmer ch 2.3	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	14	master fine dimmer ch 2.3	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	15	master dimmer ch 2.4	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	16	master fine dimmer ch 2.4	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
Out 3	17	master dimmer ch 3.1	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	18	master fine dimmer ch 3.1	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	19	master dimmer ch 3.2	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	20	master fine dimmer ch 3.2	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	21	master dimmer ch 3.3	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	22	master fine dimmer ch 3.3	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	23	master dimmer ch 3.4	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	24	master fine dimmer ch 3.4	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
Out 4	25	master dimmer ch 4.1	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	26	master fine dimmer ch 4.1	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	27	master dimmer ch 4.2	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	28	master fine dimmer ch 4.2	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	29	master dimmer ch 4.3	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	30	master fine dimmer ch 4.3	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	31	master dimmer ch 4.4	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	32	master fine dimmer ch 4.4	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%

Out 5	33	master dimmer ch 5.1	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0%	-	100%
	34	master fine dimmer ch 5.1	proportional	fine dimmer control 16 bit	0 - 255	0%	-	100%
	35	master dimmer ch 5.2	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0%	-	100%
	36	master fine dimmer ch 5.2	proportional	fine dimmer control 16 bit	0 - 255	0%	-	100%
	37	master dimmer ch 5.3	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0%	-	100%
	38	master fine dimmer ch 5.3	proportional	fine dimmer control 16 bit	0 - 255	0%	-	100%
	39	master dimmer ch 5.4	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0%	-	100%
	40	master fine dimmer ch 5.4	proportional	adjust the color intensity from 0 to 100%	0 - 255	0%	-	100%
Out 6	41	master dimmer ch 6.1	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0%	-	100%
	42	master fine dimmer ch 6.1	proportional	fine dimmer control 16 bit	0 - 255	0%	-	100%
	43	master dimmer ch 6.2	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0%	-	100%
	44	master fine dimmer ch 6.2	proportional	fine dimmer control 16 bit	0 - 255	0%	-	100%
	45	master dimmer ch 6.3	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0%	-	100%
	46	master fine dimmer ch 6.3	proportional	fine dimmer control 16 bit	0 - 255	0%	-	100%
	47	master dimmer ch 6.4	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0%	-	100%
	48	master fine dimmer ch 6.4	proportional	adjust the color intensity from 0 to 100%	0 - 255	0%	-	100%
Out 7	49	master dimmer ch 7.1	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0%	-	100%
	50	master fine dimmer ch 7.1	proportional	fine dimmer control 16 bit	0 - 255	0%	-	100%
	51	master dimmer ch 7.2	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0%	-	100%
	52	master fine dimmer ch 7.2	proportional	fine dimmer control 16 bit	0 - 255	0%	-	100%
	53	master dimmer ch 7.3	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0%	-	100%
	54	master fine dimmer ch 7.3	proportional	fine dimmer control 16 bit	0 - 255	0%	-	100%
	55	master dimmer ch 7.4	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0%	-	100%
	56	master fine dimmer ch 7.4	proportional	adjust the color intensity from 0 to 100%	0 - 255	0%	-	100%
Out 8	57	master dimmer ch 8.1	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0%	-	100%
	58	master fine dimmer ch 8.1	proportional	fine dimmer control 16 bit	0 - 255	0%	-	100%
	59	master dimmer ch 8.2	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0%	-	100%
	60	master fine dimmer ch 8.2	proportional	fine dimmer control 16 bit	0 - 255	0%	-	100%
	61	master dimmer ch 8.3	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0%	-	100%
	62	master fine dimmer ch 8.3	proportional	fine dimmer control 16 bit	0 - 255	0%	-	100%
	63	master dimmer ch 8.4	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0%	-	100%
	64	master fine dimmer ch 8.4	proportional	fine dimmer control 16 bit	0 - 255	0%	-	100%

7.4 DMX Chart 48 channels

zones	channel	function	type of control	effect	decimal	percentage
Out 1	1	master dimmer out 1	proportional	adjust luminous output intensity from 0 to 100%	0 - 255	0% - 100%
	2	master fine dimmer out 1	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	3	dimmer ch 1.1	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	4	dimmer ch 1.2	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	5	dimmer ch 1.3	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	6	dimmer ch 1.4	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
Out 2	7	master dimmer out 2	proportional	adjust luminous output intensity from 0 to 100%	0 - 255	0% - 100%
	8	master fine dimmer out 2	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	9	dimmer ch 2.1	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	10	dimmer ch 2.2	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	11	dimmer ch 2.3	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	12	dimmer ch 2.4	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
Out 3	13	master dimmer out 3	proportional	adjust luminous output intensity from 0 to 100%	0 - 255	0% - 100%
	14	master fine dimmer out 3	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	15	dimmer ch 3.1	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	16	dimmer ch 3.2	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	17	dimmer ch 3.3	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	18	dimmer ch 3.4	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
Out 4	19	master dimmer out 4	proportional	adjust luminous output intensity from 0 to 100%	0 - 255	0% - 100%
	20	master fine dimmer out 4	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	21	dimmer ch 4.1	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	22	dimmer ch 4.2	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	23	dimmer ch 4.3	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	24	dimmer ch 4.4	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%

Out 5	25	master dimmer out 5	proportional	adjust luminous output intensity from 0 to 100%	0 - 255	0% - 100%
	26	master fine dimmer out 5	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	27	dimmer ch 5.1	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	28	dimmer ch 5.2	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	29	dimmer ch 5.3	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	30	dimmer ch 5.4	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
Out 6	31	master dimmer out 6	proportional	adjust luminous output intensity from 0 to 100%	0 - 255	0% - 100%
	32	master fine dimmer out 6	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	33	dimmer ch 6.1	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	34	dimmer ch 6.2	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	35	dimmer ch 6.3	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	36	dimmer ch 6.4	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
Out 7	37	master dimmer out 7	proportional	adjust luminous output intensity from 0 to 100%	0 - 255	0% - 100%
	38	master fine dimmer out 7	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	39	dimmer ch 7.1	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	40	dimmer ch 7.2	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	41	dimmer ch 7.3	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	42	dimmer ch 7.4	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
Out 8	43	master dimmer out 8	proportional	adjust luminous output intensity from 0 to 100%	0 - 255	0% - 100%
	44	master fine dimmer out 8	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	45	dimmer ch 8.1	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	46	dimmer ch 8.2	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	47	dimmer ch 8.3	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	48	dimmer ch 8.4	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%

7.6 DMX Chart 6 channels

zones	channel	function	type of control	effect	decimal	percentage
Global	1	master dimmer	proportional	adjust luminous output intensity from 0 to 100%	0 - 255	0% - 100%
	2	master fine dimmer	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
	3	dimmer ch 1	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	4	dimmer ch 2	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	5	dimmer ch 3	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	6	dimmer ch 4	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%

7.7 DMX Chart 4 channels

zones	channel	function	type of control	effect	decimal	percentage
Global	1	dimmer ch 1	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	2	dimmer ch 2	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	3	dimmer ch 3	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%
	4	dimmer ch 4	proportional	proportional control of the percentage of light channel from 0 to 100%	0 - 255	0% - 100%

8. Display panel functions

8.1 Quick guide to menu

To access the functions menus just press the MENU button. Then press + or – buttons to scroll the pages and press the ENTER button to access to any other function.

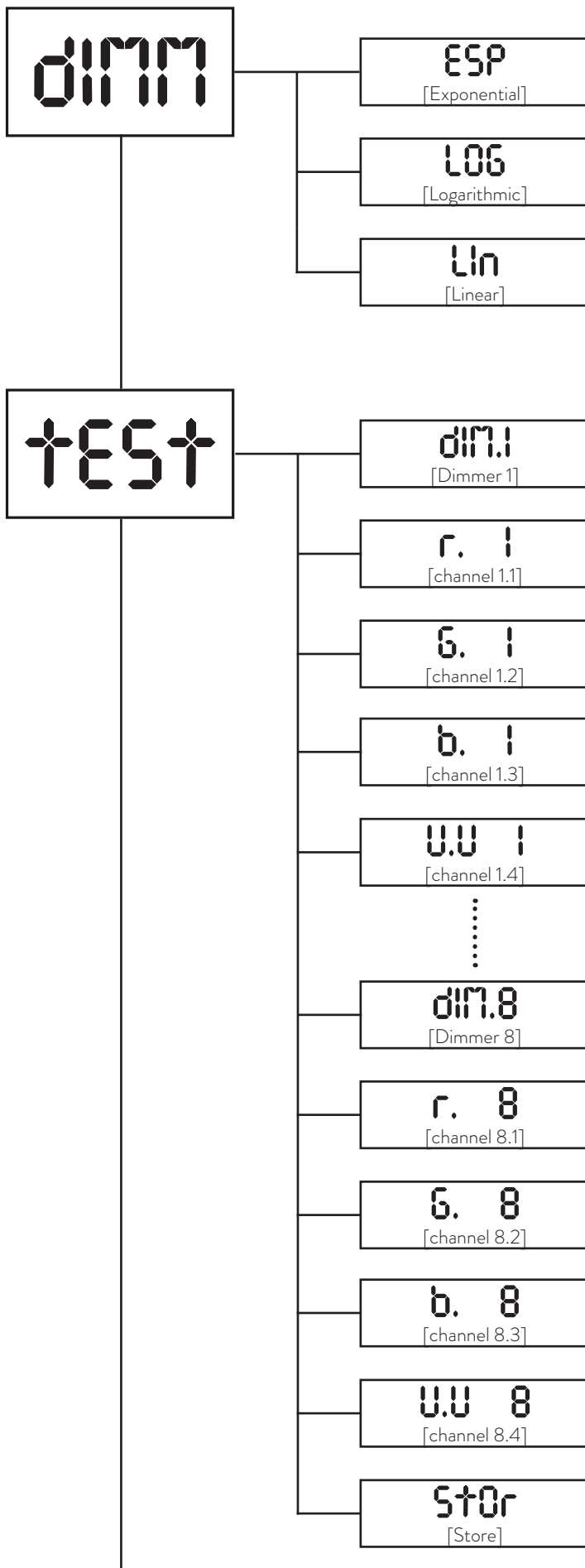
By suitably using all the functions of **Concept Design 384**, which can be activated through its display panel, it is possible to change some of the parameters and to add some functions. Changing the preset settings made by **Coemar** can vary the functions of the fixture so that it will respond differently to the controller; therefore carefully read about the functions described here before carrying out any possible selection.

8.2 Rapid count

Through the display panel of **Concept Design 384** it is possible to quickly change the various numbers displayed for the different functions in the following 3 manners:

1. Pressing the + or – buttons will cause the count to be quicker.
2. Pressing first + and then – and then holding them down simultaneously will cause the numbers to jump to the highest value.
3. Pressing first – and then + and then holding them down simultaneously will cause the number to jump to the lowest value.

8.3 Main functions menu (FUNC)



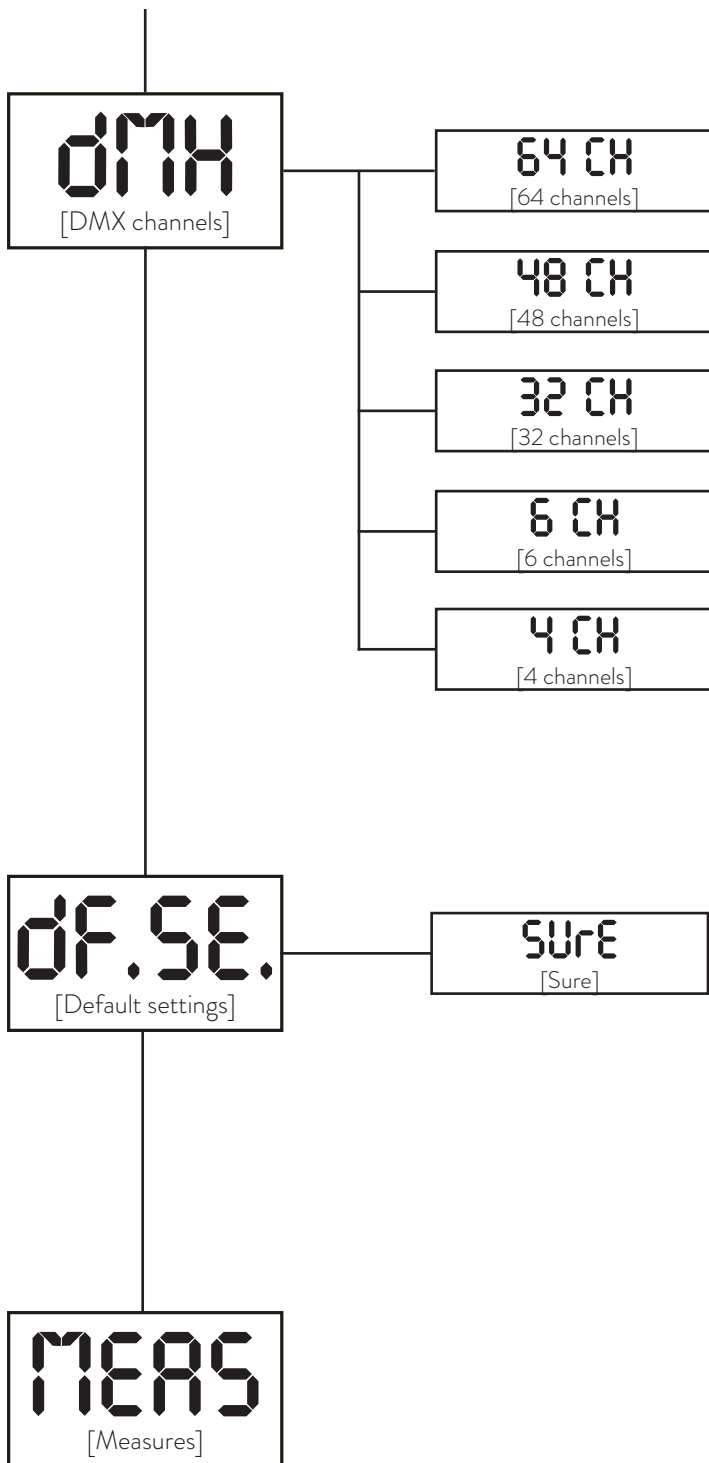
Dimmer:

It allows to choose the type of dimmer curves between **exponential**, **logarithmic** and **linear** (exponential as default).

Test:

Allows to set manually some different options:

- **Dimmer:** it allows to set the luminous intensity;
- **Channel 1.1, channel 1.2 etc.:** it allows to set the color intensity individually;
- **Store:** stores all the new modifications.



DMX channels:

Allows to choose the DMX mode in which the fixture must operate.

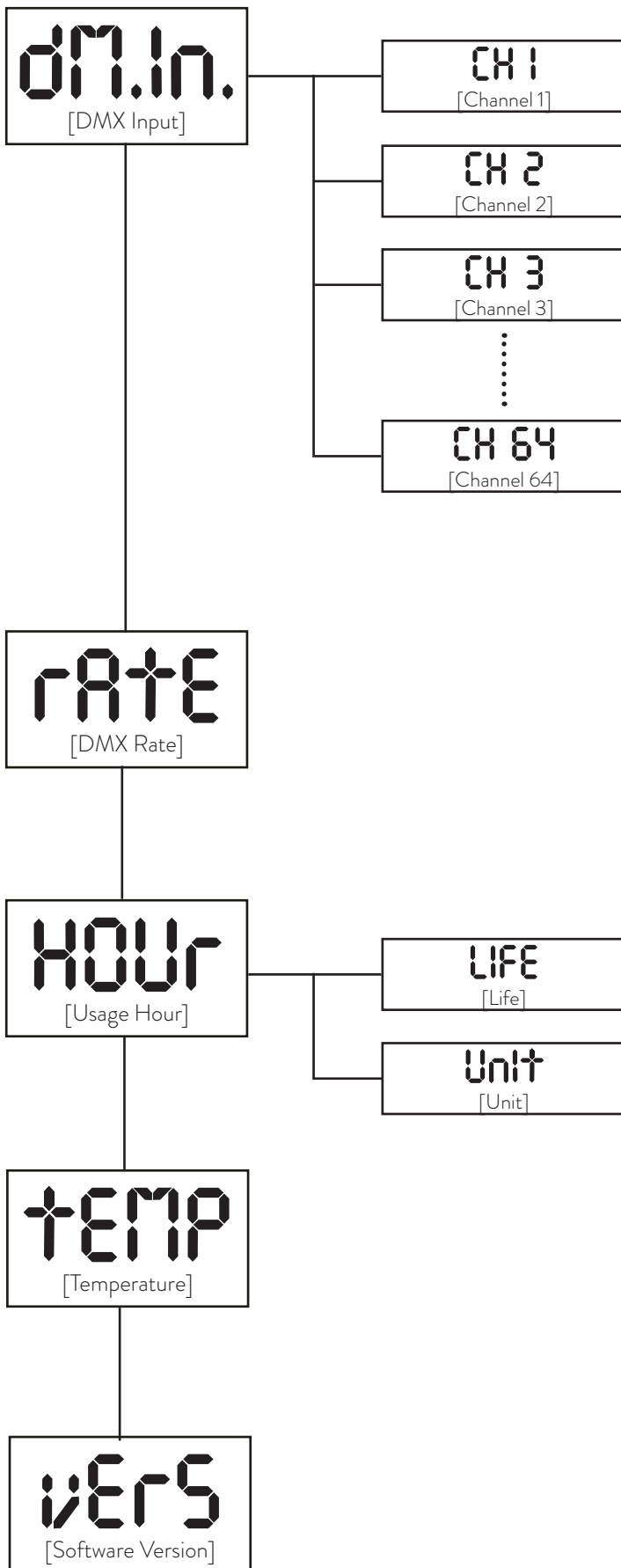
Default Settings:

Allows to restore the factory default of the fixture, with exception of DMX address.

Measures:

Allows to read all the parameters: board temperatures, alarms, hour of work and software version.

8.4 Measures menu (MEAS)



DMX Input:

Shows the value of the DMX channels received by the fixture on every channel that the fixture occupies on the line.

DMX rate:

Shows the refresh rate of the DMX signal sent by the console.

Usage hours:

Shows the hour counter of the fixture:

- **Life:** shows the overall hours of the LEDs
- **Unit:** shows the overall hours of life of the fixture.

Temperature:

Shows the current temperature value:

- **Board:** shows the electronic board temperature.

Software version:

Shows the software version currently installed in the fixture.

8.5 Special functions of the fixture

Storing the DMX signal

If you want to use the fixture without an active DMX console it is possible to store the DMX settings in two ways:

- Through the **TEST** menu;
- Disconnecting the DMX signal when the fixture is on. When the signal is unconnected the fixtures stores the signal;

Automatic fan standby

To decrease the noise and the power consumption, the cooling fan turns off after 10 minutes of fixture inactivity.

8.6 Error messages

If a malfunction occurs, **Concept Design 384** has a self-diagnostic system that will show the error message on the display. The following table will explain in detail the most common errors. If, despite of suggested intervention, the problem persists, call the **Coemar** Service Center.

Error code	Description
nOAL [No Alarm]	No Alarm The fixture self-diagnostic routine didn't find any issue.
dTEr [Data Error]	Data error Initial data loading has failed the projector loaded the default data settings: restart the fixture again, and if the error persists contact the Coemar assistance center.
AdEr [Address Error]	Address error The projector does not receive all channels of DMX needs to function properly. Check the DMX address indicated on the display and the number of channels generated by the mixer control. We recall in this connection that some controllers do not generate all the 512 channels.

9. Accessories and spare parts

All the components of **Concept Design 384** are available as spare parts from your **Coemar** service center. Accurate description of the fixture, serial number and type will assist us in providing for your requirements in an efficient and effective manner.

Accessory name	Code
Hub 6 Channels RJ45	E032
RJ45 T Connection	E038
RJ45 T Connection / solo	E038/1
RJ45 inline extension coupler	ELDG001
Connection cable RJ45 5m.	CV261
Connection cabl RJ45 10m.	CV262
Remote control	FO9281/1

10. Maintenance

10.1 Firmware update

The firmware of **Concept Design 384** can be updated through the RDM protocol (ANSI E1.20). Contact **Coemar** assistance to receive the software and the device updater.

10.2 Periodic cleaning

Cleaning of the unit

Use a soft brush or a common vacuum cleaner or a source of compressed air for removing dust. For the cleaning of the housing use a soft cloth and a non-aggressive cleaner. Check that the internal fans and heat exchanger must be perfectly clean.

10.3 Periodic controls

Mechanical components

Check the correct working of the mechanical parts and, if needed, replace them. Make sure the fixture is not mechanically damaged. If necessary, replace the worn parts.

Electrical components

Check all electrical connections, in particular for correct grounding and correct attachment of all extractable connectors. Press the connectors if necessary and reposition as before.

10.4 Fuses

Concept Design 384 has an automatic fuse that in most cases does not need to be replaced.

11. F.A.Q. and answers

The following list shows common issues that may be simply solved. If issues persist, the unit must be repaired by qualified personnel or just contact your **Coemar** service near you.

Question	Possible solution
Concept Design 384 does not turn on	Check if the main power cable is in good condition and correctly connected, check if the fuse on the switching power supply is blown.
Concept Design 384 does not respond to DMX signal	Incoming DMX signal may not being received by the unit. check that the address on display does not blink, check that controller and cables are in good conditions, check for DMX addressing: Concept Design 384 may be incorrectly addressed.

User notes

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Information on disposal of the equipment

The equipment at the end of its useful life must be disposed of at an appropriate recycling center for waste electrical and electronic equipment. The treatment and disposal of environmentally friendly, helps prevent potential negative environmental and health and promote the reuse and / or recycling of materials making up the equipment. Illegal disposal by the user includes the application of administrative sanctions provided by law.



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Coemar reserves the right to change specifications without prior notice