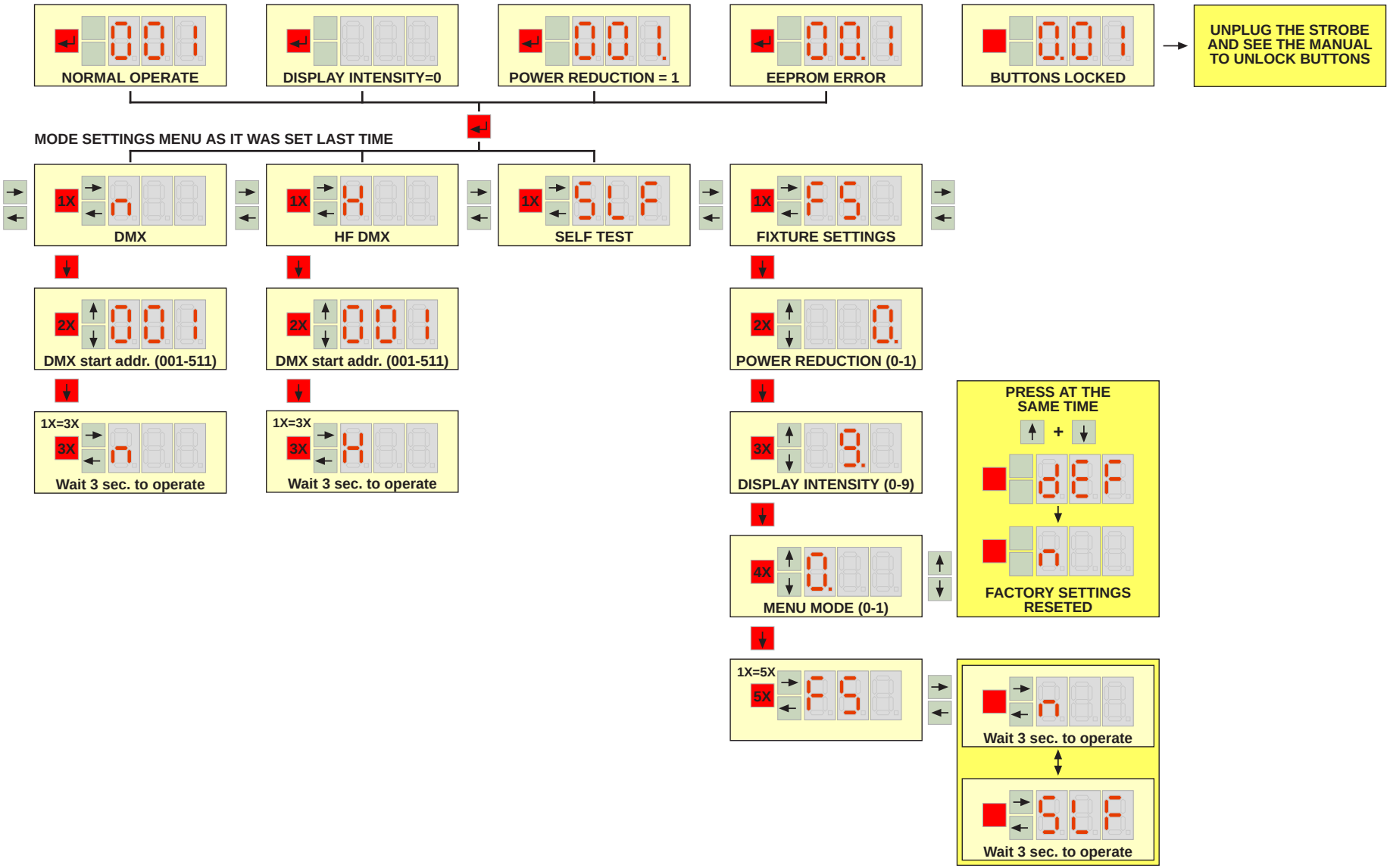
# EURODMX PRO

# 5 000 WATTS !
# STROBE

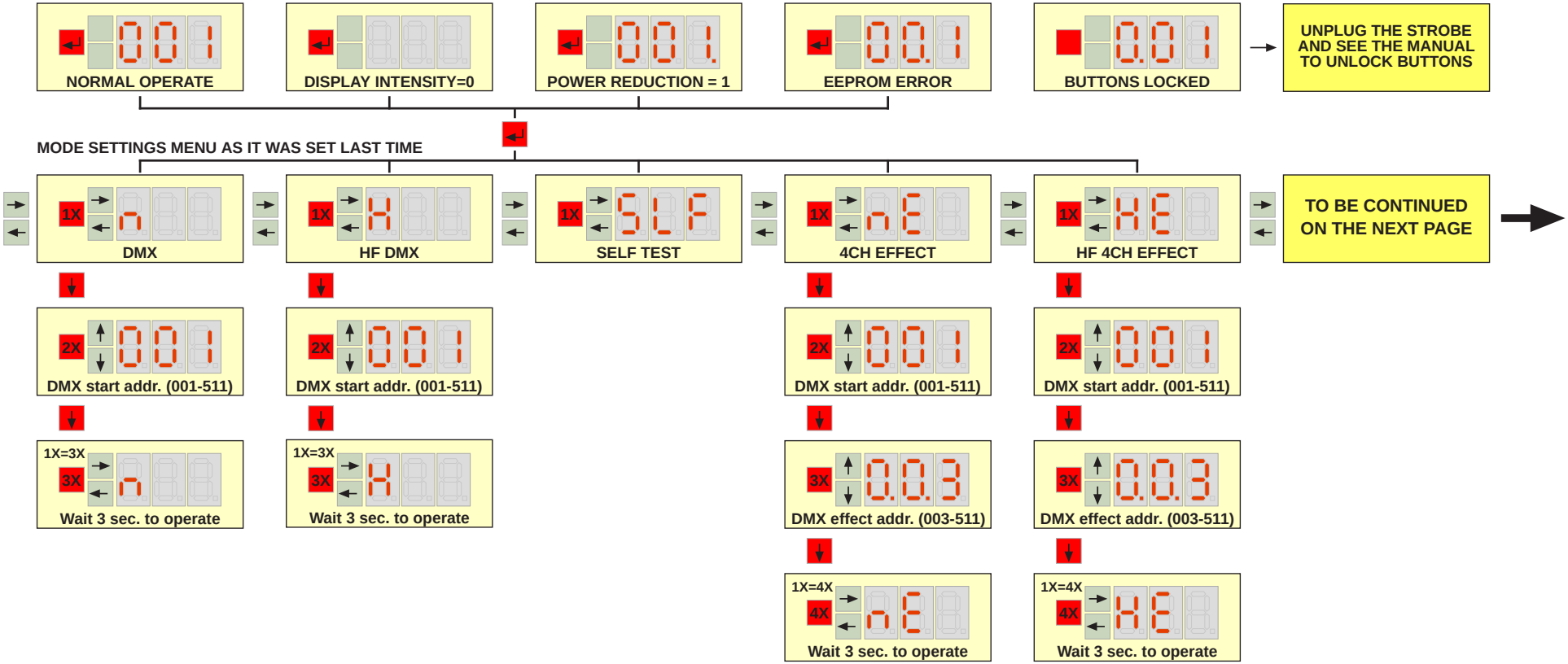
## SETUP QUICKSTART GUIDE



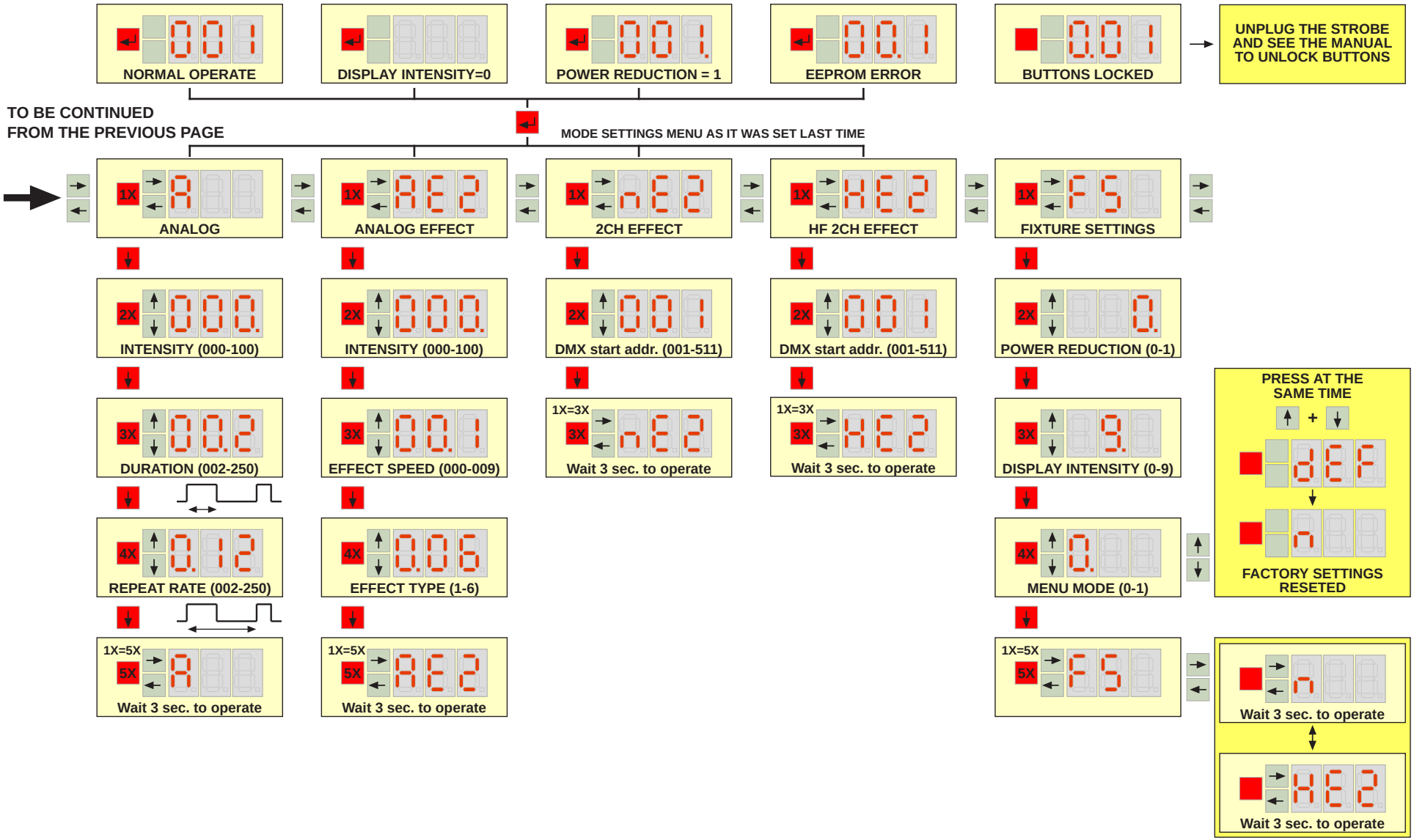
## EU PRO MENU MAP - MENU MODE=0 (STANDARD MENU)



## EU PRO MENU MAP - MENU MODE=1 (EXTENDED MENU)



## EU PRO MENU MAP - MENU MODE=1 (EXTENDED MENU)

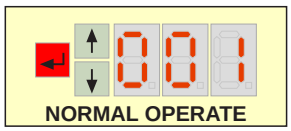


# EURODMX PRO - SETUP QUICKSTART GUIDE

## Please read the user manual toughly before operation!

This equipment produces high intensity continuous or strobostic light effects with different setted modes and parameters. These settings are kept after turn-off the equipement. The six different DMX control mode, the built-in effects and the ANALOG mode ensure three type of stand alone wide range usage of the equipment. The light intensity can be set in wide range in almost 1% steps. Beyond the internal thermal protection the control program of the equipment automatically decreases the maximal output light intensity over defined light intensity according the frequency of the flashes and the elapsed time. This helps to decrease the power loss and increase the life expectancy of the light source and it ensures a saver operation also in case of a longer usage.

## 1 - The operate and menu system of the equipment




### 1.1 - Display

The intensity of the three seven segments LED displays can be set in 10 % steps or can be turn off.
It shows the beforehand selected and stored mode parameters at the power-on the equipment and at the restart after setting for a short time with the set intensity.

During operation it shows the actual mode status information with minimal intensity or nothing, if the intensity is turned off before.

During setting shows the currently set parameters with the set intensity. In case of turned off intensity the setting intensity is maximal.

### 1.2 - Buttons

Press ENTER button to access into MODE SETTINGS MENU, the submenus and change between the parameters.

Press UP and DOWN button to select the mode during setting and increasing or decreasing of the parameter value.

The buttons can be locked to prevent the accidental or unauthorized settings.

### 1.3 - Menu

After power-on and during operation press the ENTER button for enter into MODE SETTINGS MENU unless the buttons are not locked. The mode of the equipment should be selected with UP/DOWN buttons. The mode type abbreviation appears on the display with stylized characters.

You can get to submenu for set the parameters of the selected mode with pressing the ENTER button again, and set the parameters with UP/DOWN buttons. The parameters are always numbers.

The MODE SETTINGS MENU and all submenus are circulars (after the last menu the first is coming). At the end of the submenu you get to MODE SETTINGS MENU.

If you press one of the buttons continually, the set parameter rate will change accelerate. It makes easier e.g.: the quick setting of DMX addresses.

You can finish the setting with saving the rate in MODE SETTINGS MENU in so far as you will not press any buttons. (Except the FS – FIXTURE SETTINGS menu, where the basic parameters of the equipment should be set and that is why it does not define separate mode.

The structure of STANDARD or EXTENDED menu

**STANDARD (MENU MODE = 0)**

- **n**ormal strobe
- **H**f strobe
- **SeLF** test
- **F**ixture **S**ettings

**EXTENDED (MENU MODE = 1)**

- **n**ormal strobe
- **H**f strobe
- **SeLF** test
- **n**ormal 4ch **E**ffect
- **H**f 4ch **E**ffect
- **A**nalog
- **A**nalog **E**ffect with **2** param
- **n**ormal **E**ffect - **2**ch
- **H**f **E**ffect - **2**ch
- **F**ixture **S**ettings

On the figures of the documentation we suppose that the equipment operates with EXTENDED menu and with the default factory settings.

Default factory settings:

**- NORMAL DMX MODE**
**- DMX Start Address = 001**
**- DMX Effekt Address = 003**
**- DMX Fan Address = 000**
**- TURBO ON = 1**
**- CONTINUOUS ON = 1**
**- ANALOG - INTENSITY = 000, DURATION = 002, REPEAT RATE = 012**
**- ANALOG EFFECT - INTENSITY = 000, EFFECT SPEED = 001, EFFECT TYPE = 006**
**- POWER REDUCTION = 0**
**- MENU MODE = 0**
**- DISPLAY INTENSITY = 9**
**- BUTTONS UNLOCKED**

## 2 - Power-on, mode status information

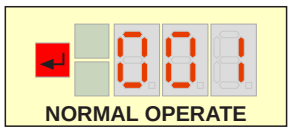
The equipment determines the input frequency after every power-on and restart for the appropriate operation. If can not determines from some input-line half period mean (transients of input voltage, defective generator, damaged electronics), the equipment will repeat this measurement until gets a valuable result. Without getting correct frequency the equipment will not start to work.

Input-line frequency (every other value is an error):
- frequency range 50 Hz: 45 Hz – 55 Hz
- frequency range 60 Hz: 55 Hz – 65 Hz

After power-on the equipment displays for a while all parameter one after the other of the before selected and saved mode. In contrast to power-on after restart displays only the more important parameters for the quick restart.

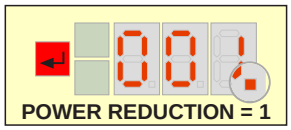
The equipment displays during operation in DMX modes the DMX Start Address value, in stand alone ANALOG modes the mode name, while in all modes with using the decimal point the following status information for the user, if the display is not switched-off.

The following status information can be appearing together or alone.



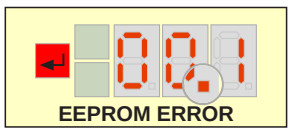

### 2.1 - NORMAL OPERATE

The equipment can be controlled until the nominal power, there is no EEPROM error and the buttons are not locked. The display is not off.



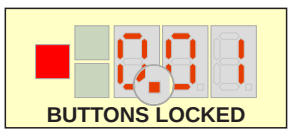

### 2.2 - POWER REDUCTION = 1

The decimal point gives a light at the first digit. The output power reduction is enabled. The equipment can be controlled until the stated percent of the nominal power. It could be useful in case of wrong input voltage or in small rooms.



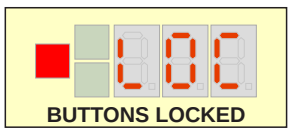

### 2.3 - EEPROM ERROR

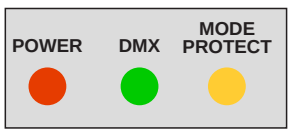
The decimal point gives a light at the second digit. The build-in EEPROM saved a malfunctioning value at the power-on (first power-on after manufacturing, EEPROM error, electronic default). The equipment starts with factory settings. In the future it can be set optional, but in case of EEPROM error it will be stored until switch-off. The life expectancy of EEPROM is 1 million settings.




### 2.4 - BUTTONS LOCKED

The decimal point gives a light at the third digit. The buttons are locked. At the times of power-on press the 3 buttons together to lock the unlocked buttons or to unlock the locked buttons. At power-on and after locking displays LOC for a short time.




### 2.5 - STATUS LEDs

They give indication from the most important characteristic of the equipment, which is good visible from far too, but not disturbing. It is a big advantageous by installation difficult to reach.

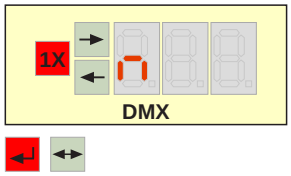
POWER LED – Informs from power-on status.

DMX LED – It lights when the equipment is power-on and get signals from DMX plug. It does not depend on the information of the signal.

MODE/PROTECT LED – After power-on it identifies the mode with a defined number of flashes.
- during setting it lights continuously
- during operation it informs about the activity of the heat protection with flashing (control program) or with continuous light (thermal switch)

# 3 - Setting the equipment, MODE SETTINGS MENU

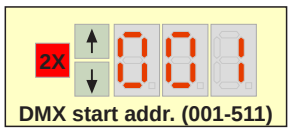
## 3.1 - Normal strobe – two channels DMX controlled strobe mode




### 3.1.1 - Enter into menu

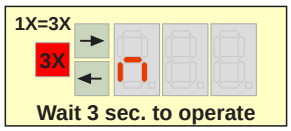
After power-on press the ENTER button to get into MODE SETTINGS MENU unless the buttons are not locked. Select the submenu with UP/DOWN buttons. Press again the ENTER button to reach the preferred parameter. The wanted value can be set with UP/DOWN buttons.

The following parameters can be set in this menu.




### 3.1.2 - DMX Start Address (001-511)

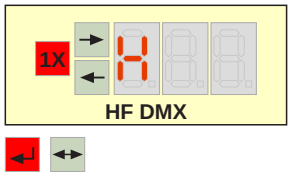
The strobe takes two DMX address
001 – Strobe frequency
002 – Light intensity, synchron channel




### 3.1.3 - Leave the menu, save the adjustment

Wait three seconds.

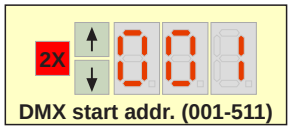
### 3.2 - HF strobe - strobe mode controlled by 2 channel HF DMX protocol




#### 3.2.1 - Enter into menu

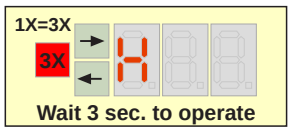
After power-on press the ENTER button to get into MODE SETTINGS MENU unless the buttons are not locked. Select the submenu with UP/DOWN buttons. Press again the ENTER button to reach the preferred parameter. The wanted value can be set with UP/DOWN buttons.

The following parameters can be set in this menu.




#### 3.2.2 - DMX Start Address (001-511)

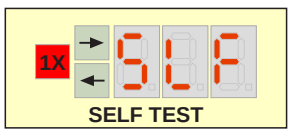
The strobe takes two DMX address.
001 – Light intensity
002 – Duration, syncron channel




#### 3.2.3 - Leave the menu, save the adjustment

Wait three seconds.

### 3.3 - Selftest - Stand alone ANALOG function to present the equipment

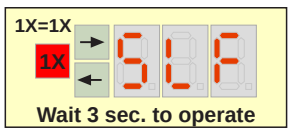



#### 3.3.1 - Enter into menu

After power-on press the ENTER button to get into MODE SETTINGS MENU unless the buttons are not locked. Select the submenu with UP/DOWN buttons. Press again the ENTER button to reach the preferred parameter. The wanted value can be set with UP/DOWN buttons.

After power-on the equipment plays a stored strobostic light effect program. It can be very useful for testing the equipment on presentations or exhibitions.

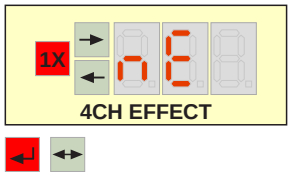
The following parameters can be set in this menu.




#### 3.3.4 - Leave the menu, save the adjustment

Wait three seconds.

### 3.4 - Normal 4ch effect strobe - strobe controlled by DMX with build-in effects

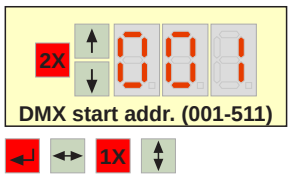



#### 3.4.1 - Enter into menu

After power-on press the ENTER button to get into MODE SETTINGS MENU unless the buttons are not locked. Select the submenu with UP/DOWN buttons. Press again the ENTER button to reach the preferred parameter. The wanted value can be set with UP/DOWN buttons.

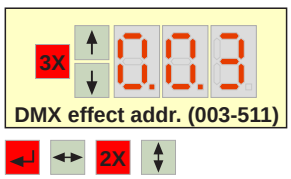
All together ten different light effect can be set over the strobe effect or its combination with random function in synchronic mode.

The following parameters can be set in this menu.




#### 3.4.2 - DMX Start Address (001-511)

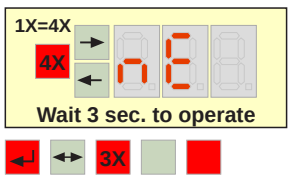
The strobe takes two DMX address.
001 – Frequency
002 – Light intensity




#### 3.4.3 - DMX effect address (003-511)

The syncron and effect channel takes two DMX address and it can be set independently from the DMX address. The DMX address should be larger in all case as the basic DMX address.

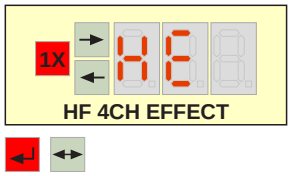
003 - Effect type.
004 - Effect speed, syncron channel




#### 3.4.4 - Leave the menu, save the adjustment

Wait three seconds.

### 3.5 - HF 4ch effect strobe - strobe controlled by HF DMX with build-in effects

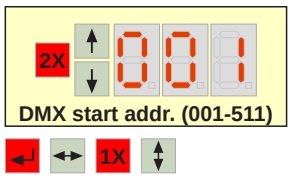



#### 3.5.1 - Enter into menu

After power-on press the ENTER button to get into MODE SETTINGS MENU unless the buttons are not locked. Select the submenu with UP/DOWN buttons. Press again the ENTER button to reach the preferred parameter. The wanted value can be set with UP/DOWN buttons.

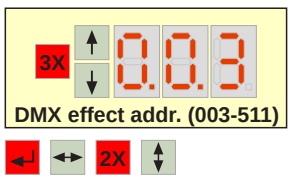
All together ten different light effect can be set over the strobe effect or its combination with random function in synchronic mode.

The following parameters can be set in this menu.




#### 3.5.2 - DMX Start Address (001-511)

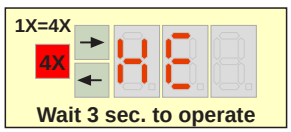
The strobe takes two DMX address.
001 – Light intensity
002 – Duration




#### 3.5.3 - DMX effect address (003-511)

The syncron and effect channel takes two DMX address and it can be set independently from the DMX address. The DMX address should be larger in all case as the basic DMX address.

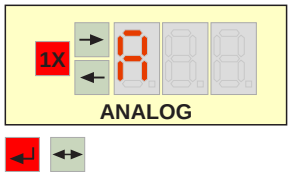
003 – Effect type
004 – Effect speed, synchron channel




#### 3.5.4 - Leave the menu, save the adjustment

Wait three seconds.

### 3.6 - ANALOG - stand alone mode with settable Repeat-, flash time and light intensity

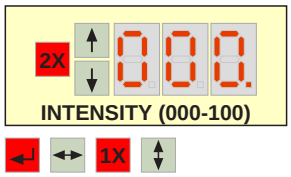



#### 3.6.1 - Enter into menu

After power-on press the ENTER button to get into MODE SETTINGS MENU unless the buttons are not locked. Select the submenu with UP/DOWN buttons. Press again the ENTER button to reach the preferred parameter. The wanted value can be set with UP/DOWN buttons.

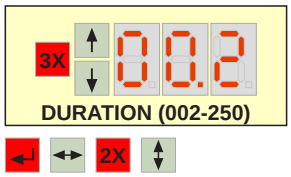
After power-on the equipment operates continuously according the set parameters. In fact the stand alone mode is equivalent with the HF DMX mode. (The meaning of duration and light intensity parameters are well known, the desk repeat time is the repeat time parameter.)

The following parameters can be set in this menu.



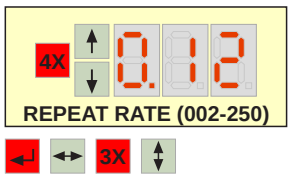

#### 3.6.2 - INTENSITY (000-100)

This parameter is the light intensity; it can be set in 1 % steps. In case of 000 the light is disabled.



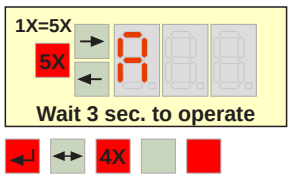

#### 3.6.3 - DURATION (002-250)

The duration of the light emission can be set as the whole number multiple steps of the input-line half period (in case of 50 Hz it is 10 ms). Because of the compatibility of the equipment only even value can be set. The value must be less or equal than the REPEAT RATE value. The decimal point gives a light at the second digit, and pulsingly shows the real beat.




#### 3.6.4 - REPEAT RATE (002-250)

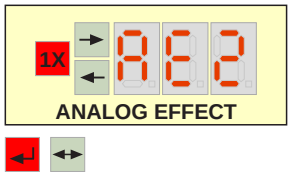
The repeat time of the light emission can be set as the whole number multiple steps of the input-line half period (in case of 50 Hz it is 10 ms). Because of the compatibility of the equipment only even value can be set. The value must be more or equal than the DURATION value. The decimal point gives a light at the second digit, and pulsingly shows the real beat.




#### 3.6.5 - Leave the menu, save the adjustment

Wait three seconds.

### 3.7 - ANALOG EFFECT - stand alone mode with settable effect speed, effect type and light intensity

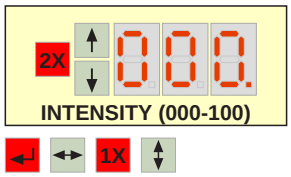



#### 3.7.1 - Enter into menu

After power-on press the ENTER button to get into MODE SETTINGS MENU unless the buttons are not locked. Select the submenu with UP/DOWN buttons. Press again the ENTER button to reach the preferred parameter. The wanted value can be set with UP/DOWN buttons.

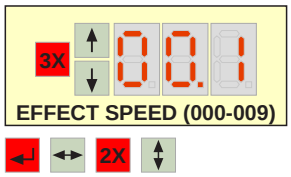
After power-on the equipment operates continuously according the set parameters. In fact the stand alone mode is equivalent with the normal two channel DMX mode.

The following parameters can be set in this menu.



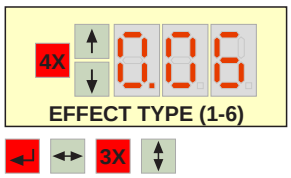

#### 3.7.2 - INTENSITY (000-100)

This parameter is the light intensity; it can be set in 1 % steps. In case of 000 the light is disabled.



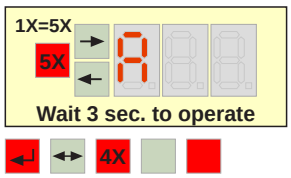

#### 3.7.3 - EFFECT SPEED (000-009)

The representative value of the selected effect speed.




#### 3.7.4 - EFFECT TYPE (001-006)

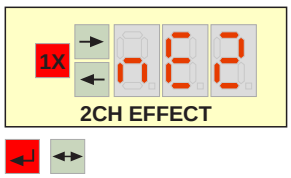
You can select the effect type.




#### 3.7.5 - Leave the menu, save the adjustment

Wait three seconds.

### 3.8 - Normal 2CH Effect strobe - DMX controlled strobostic mode with effects

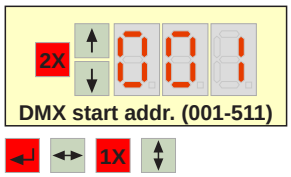



#### 3.8.1 - Enter into menu

After power-on press the ENTER button to get into MODE SETTINGS MENU unless the buttons are not locked. Select the submenu with UP/DOWN buttons. Press again the ENTER button to reach the preferred parameter. The wanted value can be set with UP/DOWN buttons.

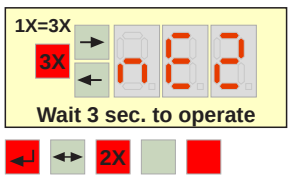
In the lower 50% range of the frequency channel the strobe function is available, while in the upper 50 % range six different effects in ten steps. The advantage of this mode is that users having a simple DMX controller do not have to give up the usage of the build-in effects of the equipment, additionally it saves DMX channels.

The following parameters can be set in this menu.




#### 3.8.2 - DMX Start Address (001-511)

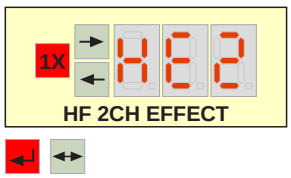
The strobe takes two DMX address
001 – Strobe frequency
002 – Light intensity, syncron channel




#### 3.8.3 - Leave the menu, save the adjustment

Wait three seconds.

### 3.9 - HF 2CH effect strobe - HF DMX controlled strobostic mode with effects

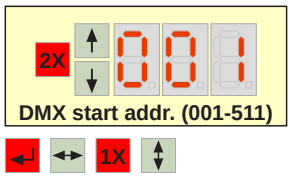



#### 3.9.1 - Enter into menu

After power-on press the ENTER button to get into MODE SETTINGS MENU unless the buttons are not locked. Select the submenu with UP/DOWN buttons. Press again the ENTER button to reach the preferred parameter. The wanted value can be set with UP/DOWN buttons.

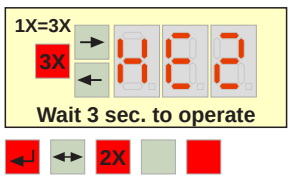
In the lower 50% range of the frequency channel the strobe function is available, while in the upper 50 % range six different effects in ten steps. The advantage of this mode is that users having a simple DMX controller do not have to give up the usage of the build-in effects of the equipment, additionally it saves DMX channels.

The following parameters can be set in this menu.




#### 3.9.2 - DMX Start Address (001-511)

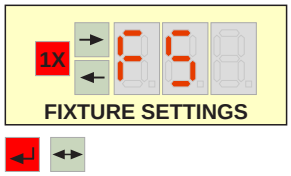
The strobe takes two DMX address
001 – Strobe frequency
002 – Light intensity, syncron channel




#### 3.9.3 - Leave the menu, save the adjustment

Wait three seconds.

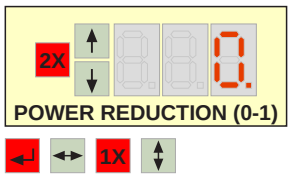
### 3.10 - Fixture Settings - setting the basic parameters of the equipment




#### 3.10.1 - Enter into menu

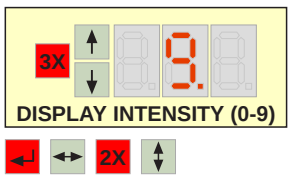
After power-on press the ENTER button to get into MODE SETTINGS MENU unless the buttons are not locked. Select the submenu with UP/DOWN buttons. Press again the ENTER button to reach the preferred parameter. The wanted value can be set with UP/DOWN buttons.

The following parameters can be set in this menu.



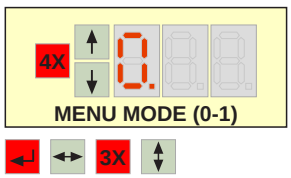

#### 3.10.2 - POWER REDUCTION (0 - 1)

0 – POWER REDUCTION is disabled. The equipment can be controlled until the nominated power.
1 – POWER REDUCTION is enabled. The equipment can be controlled until the stated percent of the nominal power. It could be useful in case of wrong input voltage or in small rooms.



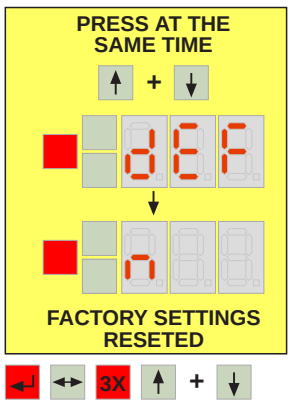

#### 3.10.3 - DISPLAY INTENSITY (0 - 9)

0 – Turning off the display. During the setting and after restart the light intensity is maximal. During operation dark display.
1-9 – Light intensity of the display. During the setting and after restart the light intensity is the set rate. During operation minimal intensity.



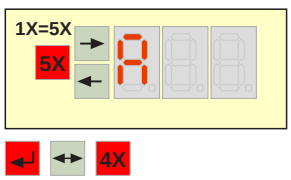

#### 3.10.4 - MENU MODE (0 - 1)

0 – NORMAL menu mode. Only Normal strobe, HF strobe, SeLF test modes and Factory Settings menu can be selected.
1 – EXTENDED menu mode. All menus can be selected.



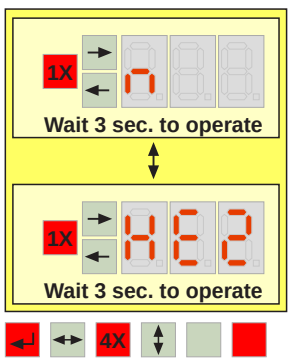

#### DEFAULT FACTORY SETTINGS

If you press UP/DOWN buttons together in this menu, the equipment will take the factory settings, apart from the POWER REDUCTION property, which will keep the saved value.




#### 3.10.5 - Leave the menu, save the adjustment

Select a mode with UP/DOWN buttons and wait three seconds to save the settings.



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