# CLS Dennis RGB Wallwasher

C L S Creative Lighting Solutions

CLS Dennis RGB
Wallwasher

*version 1.3   May 08*

## INTRODUCTION
Thank you for choosing the CLS Dennis RGB Wallwasher. The CLS Dennis RGB Wallwasher is an universal DMX controlled luminaire that uses 49 Luxeon$^{®}$ I and III LED's to create an even light-output

### Included Items
The CLS Dennis RGB Wallwasher is shipped in one package containing the following items:
- 1 CLS Dennis RGB Wallwasher fixture
- 2 CLS Dennis RGB Wallwasher Bracket
- 1 CLS Dennis RGB Wallwasher User manual

### Optional Accessories
- CLS DMX cable 0.8 meters          Art. nr. 911200
- CLS DMX cable 1.5 meters          Art. nr. 911201
- CLS DMX cable 3.0 meters          Art. nr. 911203
- CLS DMX cable 5.0 meters          Art. nr. 911205
- CLS DMX cable 10.0 meters    Art. nr. 911206
- CLS DMX cable 15.0 meters    Art. nr. 911207
- CLS DMX cable 20.0 meters    Art. nr. 911209

ATTENTION: It is important to read this manual before you install or use this product.

### SAFETY INFORMATION
**Warning! This product is for professional use only. It is not for household use.**
**Read this manual before powering up or installing the CLS Dennis RGB Wallwasher. Follow the instructions listed below and observe all warnings in this manual.**

### Protection from electric shock
- Disconnect the power supply from AC power before installation, dismounting or maintenance of the unit.
- Make sure all connectors are connected properly.
- Use only a source of AC power that complies with local building and electrical codes and has both overload and ground fault protection.
- Refer all service to a qualified technician.

### Protection from burns and fire
- Provide a clearance of at least 50mm around the unit.
- Do not install the CLS Dennis RGB Wallwasher near a heat source.
- Do not install the CLS Dennis RGB Wallwasher in a corrosive, flammable or explosive area.
- Do not modify the CLS Dennis RGB Wallwasher, or install other than genuine parts.
- Do not operate the unit if the ambient temperature exceeds 50°C.
- Well ventilated area.

### Protection from injury due to falls
- Verify that all covers and mounting hardware is securely fastened.
- Block access below the work area whenever installing or removing the unit.

**Main Features LED's**
CLS Dennis RGB Wallwasher uses three types of Luxeon® LED's (Red, Green and Blue).
- 7 Blue Luxeon® III LED's.
- 18 Green Luxeon® III LED's.
- 24 Red Luxeon® I LED's.

**Lenses**
Each Luxeon® LED is fitted with a 25° high efficiency lens.
Functions:
- RGB colour mixing.
- Linear dimmer.
- Adjustable strobe effects.
- Preset (on Macro) colour and rainbow effects.
- Settings via on-board microcomputer viewable on the unit's display.
- Display "flip" function (rotates text 180°).
- Adjustable display brightness.
- Elapsed time meter for each colour channel (Red, Green and Blue).
- General fixture operating time meter.
- Panel with LED display and three buttons

**Control signals**
- DMX 512 input signal.
- Stand-alone operation with built-in programs.
- Day to day control of the on-board programs on a weekly basis.
- Stand-alone operation of systems with up to 30 fixtures, via Master – Slave.

**INSTALLATION**
**Mounting the fixture**
CLS Dennis RGB Wallwasher is controllable with a DMX 512 signal according to the USITT DMX 512/1990.
Cables for DMX connection are fitted with standard XLR 3-Pin connectors.

**Installation and positioning**
CLS Dennis RGB Wallwasher can be permanently mounted, in the case of fixed installations, by means of the four holes on it's base. The distance between the holes is 340 mm on the front and 195 mm on the side.

The required movement is fixed by means of the screws on the head support. The hex keys for fixing PAN and TILT are supplied with the fixture and are (respectively) 8 mm and 3 mm keys.

**Addressing the fixture**
Push the "**UP**" button.
"**A\*\*\***" will appear on the display, showing that the fixture is addressed to DMX channel **\*\*\***.

| WARNING | ATTENTION!<br>If the flashing message NO SIGNAL or SIGNAL ERROR appears, this means that the fixture is not receiving a DMX signal or is receiving an incorrect signal. |
|---|---|

To change the DMX address:
- Press the **UP** key. The message **A\*\*\*** will appear.
- Press **Enter** and "**\*\*\***" will begin to flash.
- Use the **UP** and **Down** keys to choose the required address channel.
- Press **Enter** again to confirm.

CLS Dennis RGB Wallwasher requires 8 DMX channels for control of all it's functions.

| WARNING | ATTENTION!<br>Do not use more than 32 fixtures on one DMX line! Should it be necessary to connect a larger number of fixtures, there must be used a splitter/buffer for each 32 fixtures, to ensure that the signal quality remains unchanged. |
|---|---|

**OPERATION**
**Controlling the fixture via DMX**
The following table shows the control channels of the CLS Dennis RGB Wallwasher.

| Channel DMX | Function | Description |
|---|---|---|
| Ch 1 | Shutter/Strobe | Shutter and strobe functions are adjustble and random Pulse Functions |
| Ch 2 | Dimmer | Luminous itensity control |
| Ch 3 | Red | Continuous Red saturation control 0-100% |
| Ch 4 | Green | Continuous Green saturation control 0-100% |
| Ch 5 | Blue | Continuous Blue saturation control 0-100% |
| Ch 6 | CTC | Continuous colour temperature control |
| Ch 7 | Macro | Macro functions |
| Ch 8 | Mod_Colore | **White balance** control |

**Strobe/Shutter Channel Ch 1**

| DMX Value | Mean Value | Function |
|---|---|---|
| 0 - 7 | | Shutter closed |
| 8 - 15 | | Shutter open |
| 16 - 151 | | Linear Strobe frequency adjustment from 1 to 20 hz |
| 152 - 159 | | Pulse open effect, low speed |
| 160 - 167 | | Pulse open effect, medium speed |
| 168 - 175 | | Pulse open effect, high speed |
| 176 - 183 | | Pulce close effect, low speed |
| 184 - 191 | | Pulse close effect, medium speed |
| 192 - 199 | | Pulse close effect, high speed |
| 200 - 207 | | Random strobe effect, low speed |
| 208 - 215 | | Random strobe effect, medium speed |
| 216 - 223 | | Random strobe effect, high speed |
| 224 - 255 | | Shutter open |

**Dimmer Channel Ch 2**

| DMX Value | Mean Value | Function |
|---|---|---|
| 0 - 255 | | Linear intensity adjustment 0 - 100% |

**Red Channel Ch 3**

| DMX Value | Mean Value | Function |
|---|---|---|
| 0 - 255 | | Linear Red adjustment 0 - 100% |

**Green Channel Ch 4**

| DMX Value | Mean Value | Function |
|---|---|---|
| 0 - 255 | | Linear Green adjustment 0 - 100% |

**Blue Channel Ch 5**

| DMX Value | Mean Value | Function |
|---|---|---|
| 0 - 255 | | Linear Blue adjustment 0 - 100% |

**CTC Channel Ch 6**

| DMX Value | Mean Value | Function |
|---|---|---|
| 0 - 19 | 10 | OFF |
| 20 - 255 | 138 | From Cold + 2000 K° compared to balanced white or not |

**Macro Channel Ch 7**

| DMX Value | Mean Value | Function |
|---|---|---|
| 0 - 7 | 4 | NO MACRO |
| 8 - 15 | 12 | MACRO 1 Rainbow Slow - Stand Time 5 sec |
| 16 - 23 | 20 | MACRO 2 Rainbow Medium - Stand Time 5 sec |
| 24 - 31 | 28 | MACRO 3 Rainbow Fast - Stand Time 5 sec |
| 32 - 39 | 36 | MACRO 4 Rainbow Slow - NO Stand Time |
| 40 - 47 | 44 | MACRO 5 Rainbow Medium - NO Stand Time |
| 48 - 55 | 52 | MACRO 6 Rainbow Fast - NO Stand Time |
| 56 - 63 | 60 | MACRO 7 Rainbow Very Slow - NO Stand Time |
| 64 - 70 | 86 | MACRO 8 Random Colour Show |
| 71 | 71 | Store Colour_mode enable |
| 72 - 79 | 76 | MACRO 9 Ranom Colour Medium |
| 80 - 87 | 84 | MACRO 10 Random Colour Fast |
| 88 - 95 | 92 | Future |
| 96 - 103 | 100 | Future |
| 104 - 111 | 108 | Future |
| 112 - 119 | 116 | Future |
| 120 - 136 | 128 | Future |

**Colour Mode Channel Ch 8**

| DMX Value | Mean Value | Function |
|---|---|---|
| 0 - 63 | 32 | White balance disabled (Full Colour) |
| 64 - 189 | 127 | White balance enabled (Balanced) |
| 190 - 250 | 220 | White balance disabled (Full Colour) |
| 251 - 255 | 253 | Store a new white balance |

**Colour temperature**
The CTC channel allows to adjust CLS Dennis RGB Wallwasher's colour temperature. It acts in a range around the white balance or Full Colour.

**Shutter/Strobe**
The Shutter/Strobe channel allows an endless number of shutter effects to be achieved.  As well as the adjustable frequency strobe effect (from 1 Hz to 20 Hz), it's possible to create Random-Strobe effects at three different speeds (Low – Medium – High). CLS Dennis RGB Wallwasher is also fitted with a Pulse Open and Close effect for each of the three different speeds (Low – Medium – High).

## 4.1 Menus
**Control panel**
The control panel is needed to access CLS Dennis RGB Wallwasher's settings and programming functions.

**UP/DOWN KEYS**: Used to scroll through the menu items. Once the required menu has been selected, these keys are used to choose the available parameters.
**ENTER KEY**: Confirms access to the selected menu and any parameters changed in it.

**Addressing**
This menu gives access to fixture addressing functions. (See Installation – Addressing Chapter)

1. Use the **UP/DOWN** keys to find the "**A****" menu.
2. Press "**Enter**" to confirm the choice. The text on the display will begin to flash.
3. Use the **UP/DOWN** keys to select the required start channel.
4. Press "**Enter**" to confirm the choice.


**Colour Balance**
This menu gives access to the setting of CLS Dennis RGB Wallwasher's white balance. If its necessary to work with a fixed colour temperature, this menu must be used.

1. Use the **UP/DOWN** keys to find the "**BALANC**" menu.
2. Press "**Enter**" for approx. 6 seconds.
3. "**Rblnc**" will appear on the display and the CLS Dennis RGB Wallwasher will switch on at the old white balance values.
4. Press "**Enter**" again and "******" will begin to flash.
5. Use the **UP/DOWN** keys to adjust the new maximum value required for the Red channel.
6. Press "**Enter**" to confirm the choice.

7. Use the "**UP**" key to select "**Gblnc**".
8. Press "**Enter**" again and "******" will begin to flash.
9. Use the **UP/DOWN** keys to adjust the new maximum value required for the Green channel.
10. Press "**Enter**" to confirm the choice.

11. Use the "**UP**" key to select "**Bblnc**".
12. Press "**Enter**" again and "******" will begin to flash.
13. Use the **UP/DOWN** keys to adjust the new maximum value required for the Blue channel.
14. Press "**Ente**r" to confirm the choice.

15. Press "**Enter**" for approx. 6 seconds to exit the "**BALANC**" menu.

**Elapsed time meter**
This menu gives access to the display of running time of the single channels (Red, Green and Blue). It is also possible to reset the elapsed time meter when the LED matrix is replaced. The "L_h" menu gives access to the display of the fixture's total operating time and can not be reset.

1. Use the **UP/DOWN** keys to find the "R_h" menu to display the operating time of all the Red LED's.

**Resetting the Elapsed Time Meter**
1. hold the **ENTER** key pressed down for approx. 6 seconds, until "R_h" flashes.
2. Use the **UP/DOWN** keys to find set the elapsed time meter at zero.
3. Press "**ENTER**" to confirm.

Use the same procedure for "G_h" (Green) and "B_h" (Blue).

**Display brightness**
Operators can select one of the brightness's available for the CLS Dennis RGB Wallwasher. To adjust display brightness, proceed as follows:

1. Use the **UP/DOWN** keys to find the "**Bright**" menu.
2. Press "**Enter**" to confirm the choice. The text on the display will begin to flash.
3. Use the **UP/DOWN** keys to select the required option from those available.
4. Press "**Enter**" to confirm the changes.

## 4.2 Flip display
When the fixture is suspended "upside down" from a structure, the operator can turn the text on the display through 180°, thus enabling the menus available to be easily read. To change the reading angle, proceed as follows:

1. Use the **UP/DOWN** keys to find the "**Dspfli**" menu.
2. Press "**Enter**" to confirm the choice. The text on the display will begin to flash.
3. Use the **UP/DOWN** keys to select the required option.
4. Press "**Enter**" to confirm the changes.

## 4.3 Time
It is important to set CLS Dennis RGB Wallwasher's on-board clock if it has to be used later in Stand-alone mode.

1. Use the UP/DOWN keys to find the "**TIME**" menu.
2. Hold the "**Enter**" key pressed down for approx. 6 seconds. The display shows "**YEAR**".
3. Press "**Enter**" to change the year.
4. Use the **UP/DOWN** keys to select the current year.
5. Press "**Enter**" to save.
6. Use the "**UP**" key to select the "**M/D**".
7. Press "**Enter**" to change the month.

8. Use the **UP/DOWN** keys to select the current month.
9. Press **"Enter"** to change the day.
10. Use the **UP/DOWN** keys to select the current day.
11. Press **"Enter"** to save.

12. Use the **"UP"** key to select the **"H:M"**.
13. Press **"Enter"** to change the hour.
14. Use the **UP/DOWN** keys to select the current hour.
15. Press **"Enter"** to change the minutes.
16. Use the **UP/DOWN** keys to select the current minutes.
17. Press **"Enter"** to save.

18. Use the **"UP"** key to select the **"WEEK"**.
19. Press **"Enter"** to change the day of the week.
20. Use the **UP/DOWN** keys to select the current day of the week.
21. Press **"Enter"** to save.

22. Hold the **"Enter"** key pressed down for approx. 6 seconds to exit the time-menu.

**4.4 Factory settings**
With this function you can get back to factory settings.

1. Use the **UP/DOWN** keys to find the **"FACT"** menu.
2. Press **"Enter"** to confirm the choice. The text on the display will begin to flash.
3. Use the **UP/DOWN** keys to select **"SET"**.
4. Press **"Enter"** to set the default parameters.

**Resetting default parameters**
This enables to reset the parameter values immediately before the **FACT** operation. In other words, if the default parameters have been set by mistake, this operation allows to revert to the values set as saved previously.

1. Use the **UP/DOWN** keys to find the **"Prev"** menu.
2. Press **"Enter"** and hold it down for a few seconds to confirm the choice. The text on the display will begin to flash.
3. Use the **UP/DOWN** keys to select **"SET"**.
4. Press **"Enter"** to accept this.

**Test functions**
Using the test menu, it is possible to test the correct operation of the channels that control the CLS Dennis RGB Wallwasher.

1. Use the **UP/DOWN** keys to find the **"TEST"** menu.
2. Press **"Enter"** and hold it down for a few seconds to confirm the choice.
3. Use the **UP/DOWN** keys to select the physical channel to be tested.
   (**ALL - SHUTT - DIMMR - RED - GREEN - BLUE - CTC**).
4. Press **"Enter"** and the selected text will begin to flash, running a test routine on the chosen channel.
5. Press **"Enter"** again to exit the routine being run and choose another channels to be tested.
6. Keep **"Enter"** pressed down for a few seconds if you wish to exit the **TEST** menu.

**Head temperature**
The TEMPERATURE menu is used to view the current temperature of the CLS Dennis RGB Wallwasher's head. In some critical heat conditions, it is very important to know the temperature of the CLS Dennis RGB Wallwasher, as a self-protection system of the LED's cuts overall power when CLS Dennis RGB Wallwasher is required to work at excessively high temperatures.

1. Use the **UP/DOWN** keys to find the **"TEMPE"** menu.
2. Press **"Enter"** and the current temperature will be immediately displayed.
3. Using the **UP/DOWN** keys, it's possible to display the temperature in degrees Centigrade or Fahrenheit
4. Press **"Enter"** to exit the **TEMPE** menu.

**Configuring a Master**
When a system with several interconnected fixtures has to be used in Stand-alone mode, there has to be one MASTER fixture, able to control the other fixtures, via appropriate on-board programming.

1. Use the **UP/DOWN** keys to find the **"MASTR"** menu.
2. Press **"Enter"** and the displayed text will immediately begin to flash.
3. Use the **UP/DOWN** keys to choose **ON** or **OFF** status.
4. Press **"Enter"** to exit the **MASTER** menu.

**Configuring Slaves**
When a system with several interconnected fixtures has to be used in Stand-alone mode, there has to be one MASTER fixture, whereas each of the fixtures controlled by it must be individually configured with its own SLAVE number. In the event of the same ID being used for several fixtures, they will not be able to be controlled individually by the MASTER program.

1. Use the **UP/DOWN** keys to find the **"SLAVID"** menu.
2. Press **"Enter"** and the displayed text will immediately begin to flash.
3. Use the **UP/DOWN** keys to choose the required ID (from 1 to 29).
4. Press **"Enter"** to exit the **SLAVEID** menu and confirm.

**Enabling – Disabling the Scheduler**

The Scheduler allows to organize and run the fully automatic playback of a series of Events on a weekly basis, including the preset programs on the MASTER fixture. The Scheduler is enabled as follows:

1. Use the **UP/DOWN** keys to find the "**SCHED.**" menu.
2. Press "**Enter**" and the displayed text will immediately begin to flash.
3. Use the **UP/DOWN** keys to choose ON or OFF status.
4. Press "**Enter**" to exit the **SCHED**. menu and confirm.

**Internal program playback**

Each fixture can be programmed with 5 Programs of 10 scenes each. The programs are enabled using the **PGRUN** menu

1. Use the **UP/DOWN** keys to find the "**PGRUN**" menu.
2. Press "**Enter**" and the displayed text will immediately begin to flash.
3. Use the **UP/DOWN** keys to choose the required programs from 1 to 5, or **OFF** to stop the playback of a current program.
4. Press "**Enter**" to exit the **PGRUN** menu and confirm.

**5. STAND-ALONE PROGRAMMING**

**Programming CLS Dennis RGB Wallwasher**

Make certain that the fixture is not receiving a DMX 512 signal and configure CLS Dennis RGB Wallwasher as a "**MASTER**" (see "Master Configuration" in the previous chapter).

Follow the steps as described for the programming:

**Step 1 - Choosing the program number**

1. Use the **UP/DOWN** keys to find the "**PGSET**" menu.
2. Press "**Enter**" for a few seconds, until the following appears: "**PROG.**"
3. If it is necessary to create a program other than number 1, press "**Enter**" again and "*" will begin to flash.
4. Use the **UP/DOWN** keys to choose the required program number from 1 to 5, then Press "**Enter**" to exit the **PROG**. menu and confirm.

**Step 2 - Choosing The Scene Number**

1. Use the "**UP**" key to select the "**SCENE**" menu.
2. If it is necessary to create a program other than number 1, press "**Enter**" again and "**" will begin to flash.
3. Use the **UP/DOWN** keys to choose the required scene number from 1 to 5, then Press "**Enter**" to exit the **SCENE** menu and confirm.

**Step 3 - Choosing the fixture number**

1. Use the "**UP**" key to select the "**FIXT**." menu.
2. Press "**Enter**" and "****" will begin to flash.

3. Use the **UP/DOWN** keys to choose:
   • "ALL" if the scene to be created involves all fixtures (MASTER + SLAVES).
   • "MSTR" if the scene to be created involves just the Master fixture.
   • "ODD" if the scene to be created involves the odd-numbered fixtures.
   • "EVEN" if the scene to be created involves the even numbered fixtures.
   • "SLV1" - "SLV29" if the scene to be created must have each slave fixture with its own channel status, chosen individually.
4. Press "**Enter**" to exit the **FIXT**. menu and confirm.

**Step 4 - Shutter**

1. Use the "**UP**" key to pass to the "**SHUTT**" menu.
2. Press "**Enter**" and "***" will begin to flash.
3. Use the **UP/DOWN** keys to choose the required value of the shutter channel for the current scene.
4. Press "**Enter**" to exit the **SHUTT** menu and confirm.

**Step 5 - Dimmer**

1. Use the "**UP**" key to pass to the "**DIMER**" menu.
2. Press "**Enter**" and "***" will begin to flash.
3. Use the **UP/DOWN** keys to choose the required value of the dimmer channel for the current scene.
4. Press "**Enter**" to exit the **DIMER** menu and confirm.

**Step 6 - Red**

1. Use the "**UP**" key to pass to the "**R=***"** menu.
2. Press "**Enter**" and "***" will begin to flash.
3. Use the **UP/DOWN** keys to choose the required value of the Red channel for the current scene.
4. Press "**Enter**" to exit the **R=***** menu and confirm.

**Step 7 - Green**

1 Use the "**UP**" key to pass to the "**G=***"** menu.
2. Press "**Enter**" and "***" will begin to flash.
3. Use the **UP/DOWN** keys to choose the required value of the Green channel for the current scene.
4. Press "**Enter**" to exit the **G=***** menu and confirm.

**Step 8 - Blue**

1. Use the "**UP**" key to pass to the "**B=***"** menu.
2. Press "**Enter**" and "***" will begin to flash.
3. Use the **UP/DOWN** keys to choose the required value of the Blue channel for the current scene.
4. Press "**Enter**" to exit the **B=***** menu and confirm.

**Step 9 - Macro**
In the program, it is possible to use scenes with effects pre-programmed in the Macro channel. Wherever Macros are used, all the colour channel settings will be ignored.

1. Use the "**UP**" key to pass to the "**MAC**" menu.
2. Press "**Enter**" and "**\*\*\***" will begin to flash.
3. Use the **UP/DOWN** keys to choose the required Macro value for the current scene.
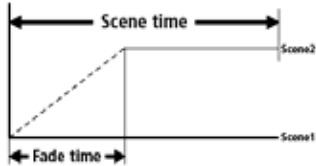4. Press "**Enter**" to exit the **MAC** menu and confirm.

**Step 10 - Scene Time**
Each scene in a program can be run with the required times. There are two types of scene times:

Total scene time (STIME), expressed in hours, minutes and seconds.
Scene fade time (FTIME), expressed in hours, minutes and seconds.

The scene time is the total time occupied by the scene in the program, whereas fade time is the time taken by the scene's channel status to reach the appropriate level.



The STIME menu gives access to the adjustment of the total scene time. The time can be configured in hours, minutes and seconds.

1. Use the "**UP**" key to select the "**TM_H**" menu.
2. Press "**Enter**" and "**\*\***" will begin to flash.
3. Use the **UP/DOWN** keys to choose the number of hours the current scene has to last.
4. Press "**Enter**" to exit the "**TM_H**" menu and confirm.

1. Use the "**UP**" key to select the "**TM_M**" menu.
2. Press "**Enter**" and "**\*\***" will begin to flash.
3. Use the **UP/DOWN** keys to choose the number of minutes the current scene has to last.
4. Press "**Enter**" to exit the "**TM_M**" menu and confirm.

1. Use the "**UP**" key to select  the "**TM_S**" menu.
2. Press "**Enter**" and "**\*\***" will begin to flash.
3. Use the **UP/DOWN** keys to choose the number of seconds the current scene has to last.
4. Press "**Enter**" to exit the "**TM_S**" menu and confirm.

**Step 10 - Fade time**
The FTIME menu gives access to the adjustment of the scene fade time. The time can be configured in hours, minutes and seconds.

1. Use the "**UP**" key to select the "**FD_H**" menu.
2. Press "**Enter**" and "**\*\***" will begin to flash.
3. Use the **UP/DOWN** keys to choose the number of hours of the current scene's fade time.
4. Press "**Enter**" to exit the "**FD_H**" menu and confirm.

1. Use the "**UP**" key to select the "**FD_M**" menu.
2. Press "**Enter**" and "**\*\***" will begin to flash.
3. Use the **UP/DOWN** keys to choose the number of minutes of the current scene's fade time.
4. Press "**Enter**" to exit the "**FD_M**" menu and confirm.

1. Use the "**UP**" key to pass to the "**FD_S**" menu.
2. Press "**Enter**" and "**\*\***" will begin to flash.
3. Use the **UP/DOWN** keys to choose the number of seconds of the current scene's fade time.
4. Press "**Enter**" to exit the "**FD_S**" menu and confirm.

> **WARNING**
> *ATTENTION!*
> *The program does not display the scene if the scene time is ZERO. If the scene time is less than the fade time, the scene will not reach its value, but will be cut along the fade time when the scene time finishes.*

**Step 11 - Enabling scenes**
Enabling a scene decides if the scene will be run or not when the program is run. The SCNRUN menu is also useful when it is necessary to temporarily eliminate the playback of some scenes in a program without cancelling them.

1. Use the "**UP**" key to pass to the "**SCRUN**" menu.
2. Press "**Enter**" and "**\*\*\***" will begin to flash.
3. Use the **UP/DOWN** keys to choose **ON** to enable the scene, or **OFF** if it has not to be run.
4. Press "**Enter**" to exit the **SCRUN** menu and confirm.

Repeat the above steps to program other scenes on the CLS Dennis RGB Wallwasher. Once programming is finished, keep "**Enter**" pressed down for approx. 6 seconds in order to exit the PROGRAMMER menu.

**Step 12 - program play**
To start a program, access the PGRUN menu.

1. Use the **UP/DOWN** keys to find the "**PGRUN**" menu.
2. Press "**Enter**" and the displayed text will immediately begin to flash.
3. Use the **UP/DOWN** keys to choose the required programs from 1 to 5, or OFF to stop playing the current program.
4. Press "**Enter**" to exit the **PGRN** menu and confirm.

**THE EVENT SCHEDULER**
Scheduler is a menu that allows to organize a series of 48 events over a period of a week and which is repeated week after week. Each event can control the day and time of the start and finish of one of the ten programs already prepared on board the CLS Dennis RGB Wallwasher, in order to automate playback, without the need for any external operators.

**WARNING**

**!**

*ATTENTION!*
*BEFORE PROCEEDING WITH THE PROGRAMMING OF THE SCHEDULER, IT IS IMPORTANT TO SET THE CURRENT DATE AND TIME (SEE CHAP. MENU - PARAGRAPH: DAYS OF THE WEEK AND TIME)*

**Step 1 - Choosing the event number**
1. Use the **UP/DOWN** keys to find the "**SCHEDL**" menu.
2. Press "**Enter**" for a few seconds, until the following appears: "**EVENT**".
3. If it is necessary to create a event other than number 1, press "**Enter**" again and "**\*\***" will begin to flash.
4. Use the **UP/DOWN** keys to choose the required event, from 1 to 48, then Press "**Enter**" to exit the **EVENT** menu and confirm.

**Step 2 - Choosing the program number**
1. Use the "**UP**" key to pass to the "**PROG.**" menu.
2. Press "**Enter**" and "**\***" will begin to flash.
3. Use the **UP/DOWN** keys to choose the required program number (from 1 to 5) to be controlled by scheduler.
4. Press "**Enter**" to exit the **PROG**. menu and confirm.

**Step 3 - Choosing the day**
1. Use the "**UP**" key to pass to the "**DAY**" menu.
2. Press "**Enter**" and "**\*\*\***" will begin to flash.
3. Use the **UP/DOWN** keys to choose the day of the week which the event must begin. The days of the week are expressed as follows:
   • ALL Every day      • TUE Tuesday      • THU Thursday      • SAT Saturday
   • MON Monday      • WED Wednesday      • FRI Friday      • SUN Sunday
4. Press "**Enter**" to exit the **DAY** menu and confirm.

**Step 4 - Start Time**
START TIME is used to configure: the hour, minutes and seconds in which an event containing a previously prepared program will start.

1. Use the "UP" key to select the "START" menu.
2. Press "Enter" and "\*\*":\*\* will begin to flash.
3. Use the UP/DOWN keys to choose the hour when the program has to start (from 0 to 23).
4. Press "Enter" to select the minutes.
5. Use the UP/DOWN keys to choose the minutes when the program has to start (from 0 to 59).
6. Press "Enter" to exit the "START" menu and confirm.

**Step 5 - End time**
END TIME is used to configure: the hour, minutes and seconds in which an event containing a previously prepared program will end.

1. Use the "**UP**" key to select the "**END**" menu.
2. Press "**Enter**" and "**\*\***":\*\* will begin to flash.
3. Use the **UP/DOWN** keys to choose the hour at which the program has to end (from 0 to 23).
4. Press "**Enter**" to select the minutes.
5. Use the **UP/DOWN** keys to choose the minutes at which the program has to end (from 0 to 59).
6. Press "**Enter**" to exit the "**END**" menu and confirm.

**Step 6 - Enabling an event**
1. Use the "**UP**" key to select the "**ENABLE**" menu.
2. Press "**Enter**" and "**\*\*\***" will begin to flash.
3. Use the **UP/DOWN** keys to choose **ON** to enable the event, or **OFF** if it is to be disabled.
4. Press "**Enter**" to exit the "**ENABLE**" menu and confirm.

Repeat the above steps to program other events on the CLS Dennis RGB Wallwasher. Once programming is finished, keep "**Enter**" pressed down for approx. 6 seconds in order to exit the **SCHEDL** menu.

**Step 7 - Enabling the scheduler**
To start the scheduler and all its "Actions", it is necessary to enter the **SCHED.** menu.

1. Use the UP/DOWN keys to find the "**SCHED**." menu.
2. Press "**Enter**" and "**\*\*\***" will immediately begin to flash.
3. Use the **UP/DOWN** keys to choose **ON** or **OFF**, according to requirements.
4. Press "**Enter**" to exit the **SCHED.** menu and confirm.

**TECHNICAL SPECIFICATIONS**
The head can be moved in relation to the base:
PAN +/- 45° and TILT -75° / +15° can be locked in the desired position.

| | |
|---|---|
| Voltage: | 200~240 VAC |
| Power consumption: | 160 VA max. |
| LEDs: | 24 x red, 18 x green and 7 x blue LEDs |
| IP rating: | IP65 |
| Measurements: | 410 x 427 x 232 mm (w x h x d) |
| Weight: | 13,5 kg |
| Shipping weight: | 18,2 kg |