

DRIVENET 416



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TECHNICAL SPECIFICATIONS

Product codes:

03.LA.196 DRIVENET 416 screw terminals outputs

Input voltage/frequency range: full-range 100-240Vac 50-60 Hz

Power Factor: PF >0.95

Output channels: 16 (4 channels x 4 groups)

Output current: 700mA max per channel

Output voltage: 48Vdc

Max power: 600W

Max projector distance: 100 m (for FOS 100 and HELIOS R maximum distance must be 50 m)

Display: Touch-screen color display

Control: DMX 512/RDM or Art-Net (optional interface required)

DMX channels: 16 (default), 32 ch, 10 ch, 14 ch, 40 ch, 56 ch, 24 ch and 1 ch

Output connections: 8-pole screw terminals connectors

Mains connections: PowerCON IN male panel connector

DMX connections: XLR 5-pole IN/OUT panel connectors

Protection rating: IP 20

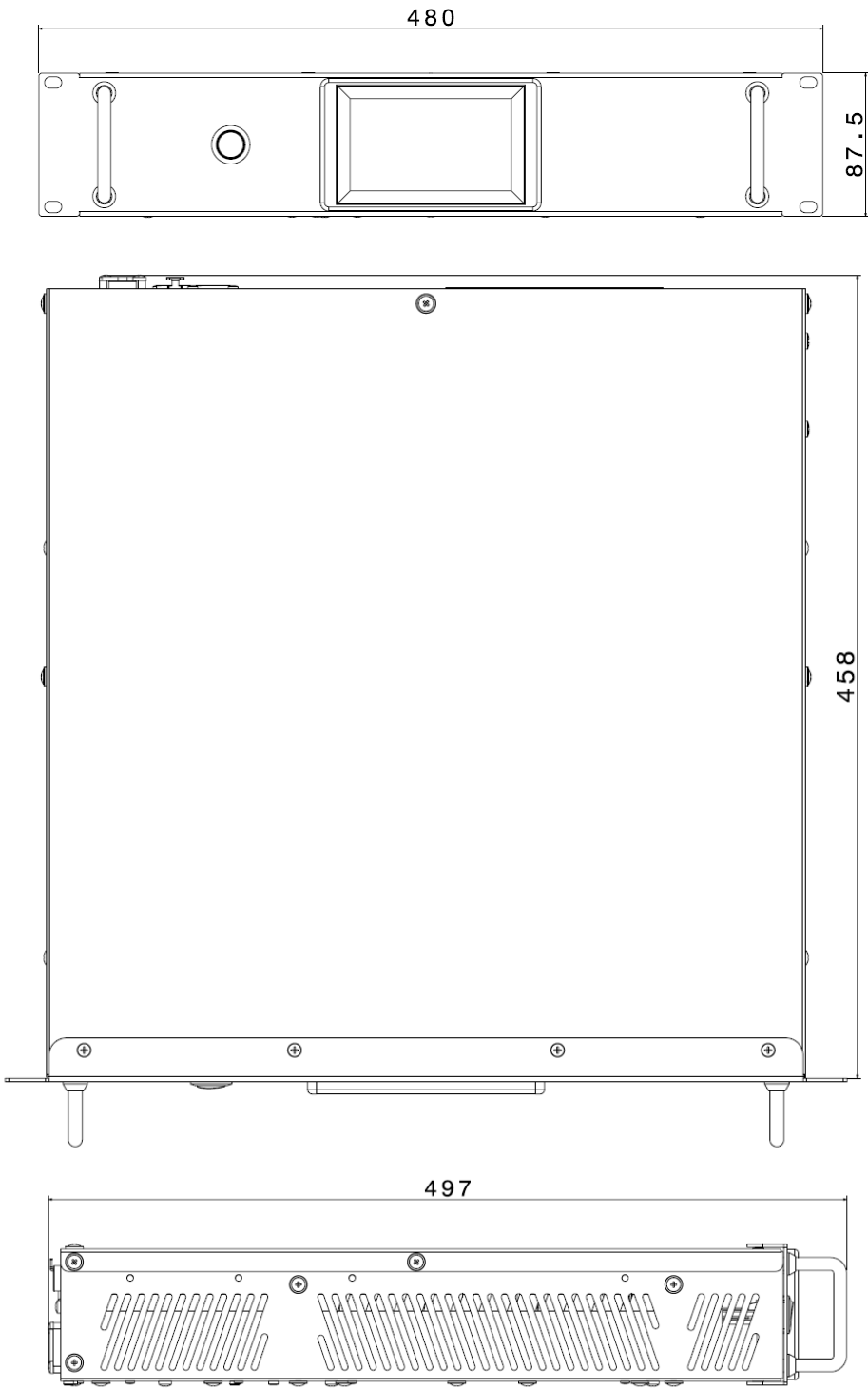
Operating temperature: -10° / 40°

Rack units: 2U

Weight: 6.9 Kg

Certifications

DIMENSIONS



IMPORTANT SAFETY INFORMATION

Fire prevention:

Replace any blown or damaged fuse only with one of identical value (15AT).

Prevention from electric shock:

High voltage is present inside the unit. Disconnect power before servicing.

This equipment must be grounded, do not connect to non-grounded supplies.

The use of a thermal magnetic circuit breaker is recommended for each DRIVENET 416 unit.

Operate the unit only with proper AC voltage. Use only AC supplies 100-240V 50-60 Hz.

Never connect or disconnect LED units when the power supply is turned on.

Do not expose the unit to moisture or high humidity.

A good air ventilation is essential for proper equipment work.

Safety:

The unit is not for household use and must be installed by a qualified electrician or experienced person.

Never install the unit in an enclosed area lacking sufficient air flow.

The ambient temperature should not exceed 40°C.

Level of protection against the penetration of solid and liquid objects:

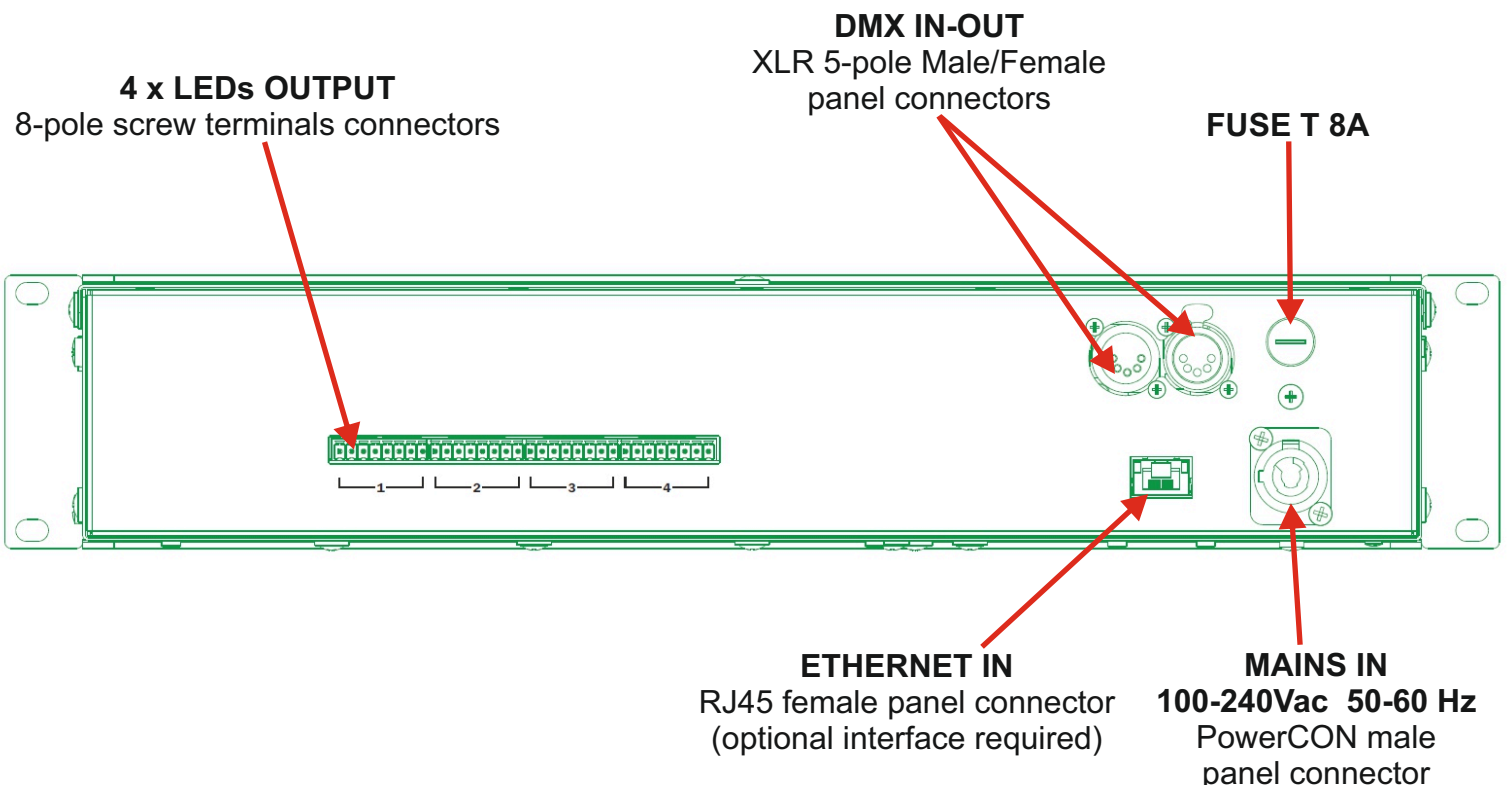
The unit is classified as an ordinary appliance and its protection level against the penetration of solid and liquid objects is IP20. Suitable for indoor use only.

Waste Electrical and Electronic Equipment (WEEE) directive:

The unit, accessories and packaging should be sorted for environmental-friendly recycling.

For EC countries: according to the European Directive 2012/19/EU for Waste Electrical and Electronic Equipment and its implementation into national right, luminaires that are no longer usable must be collected separately and disposed of in an environmentally correct manner.

CONNECTION PANEL



DMX SIGNAL CONNECTION:

The unit operates using a digital DMX 512 signal.

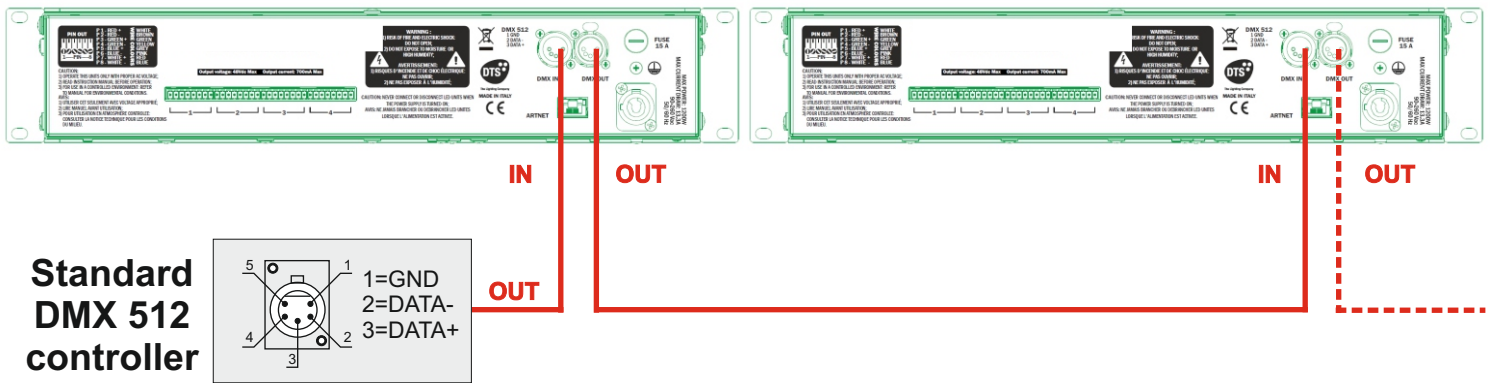
Connection between the controller and the unit or between units must be carried out using a two pair screened \varnothing 0.5 mm cable and a XLR 5 pins connector.

Ensure that the conductors do not touch each other.

Do not connect the cable ground to the XLR chassis. The plug housing must be isolated.

Connect the mixer signal to the DMX IN of the DRIVENET 416 plug and connect it to the next unit by connecting the DMX OUT plug on the first DRIVENET 416 to the DMX IN plug of the second one.

This way, all the projectors are cascade connected.



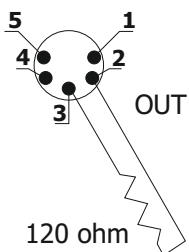
P.S: If the display showing the DMX address flashes, then one of the following errors has occurred:

- DMX signal not present
- DMX reception problem

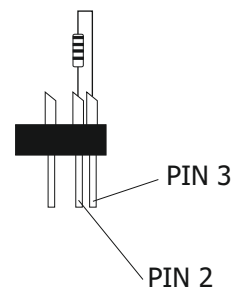
For Installations where long distance DMX cable connections are needed, we suggest to use a DMX terminator.

The DMX terminator is a male XLR 3-5 pins connector with a 120 ohm resistor Between pin 2 and 3.

The DMX terminator must be plugged into the last unit (DMX out panel connector) of the DMX line.



PLACE A 120 OHM RESISTOR BETWEEN PIN 2 AND 3 OF A MALE XRL CONNECTOR AND PLUG IT INTO THE DMX OUT PANEL CONNECTOR OF THE LAST UNIT CONNECTED TO THE DMX LINE



DMX ADDRESS

DRIVENET 416 can be used in 8 DMX modes: 16 ch (default), 32 ch, 10 ch, 14 ch, 40 ch, 56 ch, 24 ch or 1 ch mode.

If you want to use the DRIVENET 416 in 16 channels mode, select the " **Full type - 8 bit** " mode from the DMX MODE menu under DMX SETUP and set the following addresses on the mixer:

Projector 1	A001	
Projector 2	A017	If you want to select the next projector, just add "16"
Projector 3	A033	
.....	A....	
projector 6	A081	

If you want to use the DRIVENET 416 in 10 channels mode, select the " **Z1 type - 8 bit** " mode from the DMX MODE menu under DMX SETUP and set the following addresses on the mixer:

Projector 1	A001	
Projector 2	A011	If you want to select the next projector, just add "10"
Projector 3	A021	
.....	A....	
projector 6	A051	

Selecting the DMX address

- 1) Press the UP-DOWN key until you reach the required DMX address. The numbers on the display will start flashing (but the new DMX address hasn't yet been set).
- 2) Press ENTER to confirm your selection. The numbers on the display will stop flashing and the projector is now controlled by the new DMX address.

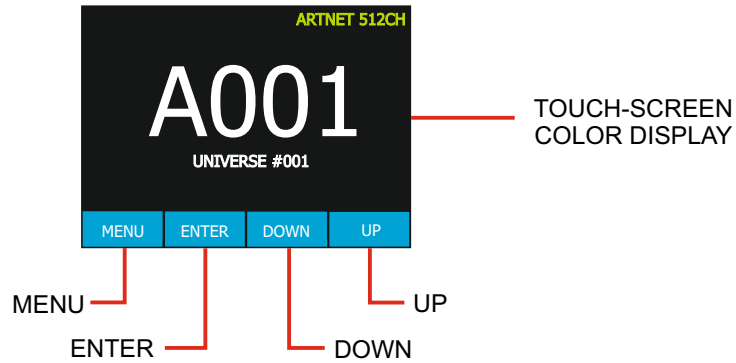
TIPS: if you keep pushed the UP or DOWN keys, the channels are calculated more quickly and you get a faster selection.

RDM FUNCTIONS

DRIVENET 416 accepts the following RDM commands:

DEVICE_INFO	To read the following info: <ul style="list-style-type: none"> - RDM protocol version - Device Model ID - Fixture type - Firmware release - DMX address - DMX mode - DMX channels - Total sub-devices - Total sensors
IDENTIFY_DEVICE	LED ON at max power to identify the fixture
DMX_START_ADDRESS	To read / set the DMX address
SOFTWARE_VERSION_LABEL	LED Driver firmware release
SUPPORTED_PARAMETERS	List of all supported parameters
PARAMETER_DESCRIPTION	Description / details of Manufacturer specific PIDs
DMX_PERSONALITY	To set the DMX mode
DMX_PERSONALITY_DESCRIPTION	Description / details of the DMX mode
DEVICE_MODEL_DESCRIPTION	Fixture type
MANUFACTURER_LABEL	Manufacturer
SENSOR_DEFINITION SENSOR_VALUE	List of sensors To read the value of each sensor

DISPLAY FUNCTIONS



DISPLAY FUNCTIONS

The DRIVENET 416 display panel shows all the available functions.

Using these functions, it is possible to change some of the parameters and add some functions.

Changing the DTS setting can vary the functions of the unit so that it does not respond to the DMX 512 signal used to control it.

Carefully follow the instructions below before carrying out any variations or selections.

NOTE: the symbol  shows which key has to be pushed to obtain the desired function.

FIRMWARE RELEASE: 1.19

RDM Device Model ID: 0x0D21/2E

DMX Personality ID (default): 0x01 FULL TYPE 8 BIT 16 ch



Display



DISPLAY POSITION

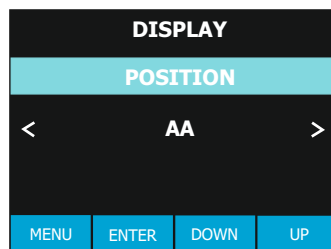
Reverses display's reading depending on the mounting position (on the ground or suspended).

DISPLAY STANDBY

To turn off the display (after 10 seconds) or Leave it always on.

TOUCH SCREEN CALIBRATION

To calibrate the touch screen.



DISPLAY POSITION

ON THE GROUND (Default)
SUSPENDED

DISPLAY STANDBY

OFF = Display standby disabled (default)
ON = Display goes off after 10 seconds

TOUCH SCREEN CALIBRATION

To calibrate the touch screen





DMX Setup



DMX MODE

To select DMX mode:

Full Type 8 bit 16 ch

Full Type 16 bit 32 ch

Z1 Type 8 bit 10 ch

Z1 Type 16 bit 14 ch (for Chase and Cue recording).

Z1 Full 8 bit 10x4 = 40 ch

Z1 Full 16 bit 14x4 = 56 ch

Z1 Short Full 8 bit 6x4 = 24 ch

Z1 Short Full 16 bit 10x4 = 40 ch

1 ch Full Mode = 1 ch

INDEPENDENT UNIT ADDRESS

Allows independent DMX patch each group for the following DMX modes:

Full Type 8 bit 16 ch

Full Type 16 bit 32 ch

Z1 Full 8 bit 10x4 = 40 ch

Z1 Short Full 8 bit 6x4 = 24 ch

Z1 Short Full 16 bit 10x4 = 40 ch

Default = OFF

AUTO PATCH

This menu is active only if INDEPENDENT UNIT ADDRESS = ON with the following DMX modes:

Full Type 8 bit 16 ch

Full Type 16 bit 32 ch

Z1 Full 8 bit 10x4 = 40 ch

Z1 Short Full 8 bit 6x4 = 24 ch

Z1 Short Full 16 bit 10x4 = 40 ch

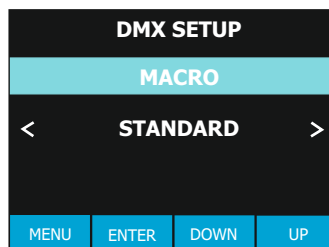
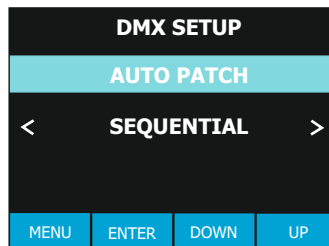
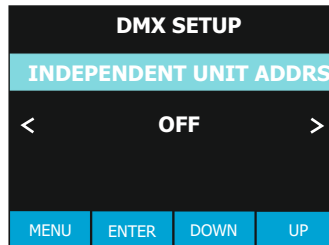
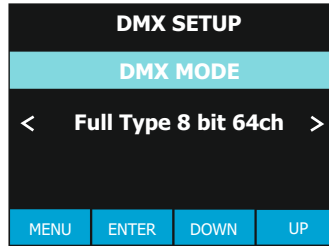
SEQUENTIAL: allows to set sequential DMX addresses for each group.

ALL THE SAME: allows to set for each group the same DMX address of group 1.

MACRO

Standard = default

Extended = enable rainbow effects on MACRO channel



DMX MODE MAP

Full type - 8 bit = 16 DMX ch (default)
= RGBW 4 ch each output: 1-Red, 2-Green, 3-Blue, 4-White.

Full type - 16 bit = 32 DMX ch mode
= RGBW 2 ch each colour; 8 ch each output:
1-Red 8 bit, 2-Red 16 bit, 3-Green 8 bit,
4-Green 16 bit, 5-Blue 8 bit, 6-Blue 16 bit,
7-White 8 bit, 8-White 16 bit

Z1 type - 8 bit = 10 DMX ch mode with all the outputs automatically set on DMX starting channel 1:

1=Shutter, 2=Dimmer, 3=Red, 4=Green,
5=Blue, 6=White, 7=White control, 8=CTC,
9=Macro, 10=Function

Z1 type - 16 bit = 14 DMX ch mode with Dimmer and RGBW channels with 16 bit control and all outputs automatically set on DMX starting address 1:

1=Shutter, 2=Dimmer, 3=Red 8 bit, 4=Red 16 bit, 5=Green 8 bit, 6=Green 16 bit, 7=Blue 8 bit, 8=Blue 16 bit, 9=White 8 bit, 10=White 16 bit, 11=White control, 12=CTC, 13=Macro, 14=Function

Z1 full - 8 bit = (10x4) 40 DMX ch mode same as Z1 type 8 bit 10 ch but each output with independent DMX control:

Output 1=DMX 1, Output 2= DMX 11, Output 3= DMX 21 ...

Z1 full - 16 bit = (14x4) 56 DMX ch mode same as Z1 type 16 bit 14ch but each output with independent DMX control:

Output 1 = DMX 1, Output 2 = DMX 15, Output 3 = DMX 29...

Z1 short full - 8 bit = (6x4) 24 DMX ch. mode with Dimmer, Shutter and RGBW 8 bit channels and each output with independent DMX control

Output 1 = DMX 1, Output 2 = DMX 7, Output 3 = DMX 13...

Z1 short full - 16 bit = (10x4) 40 DMX ch. mode with RGBW 16 bit each colour and each output with independent DMX control

Output 1 = DMX 1, Output 2 = DMX 11, Output 3 = DMX 21...

1-Dimmer, 2-Shutter, 3-Red 8 bit, 4-Red 16 bit, 5-Green 8 bit, 6-Green 16 bit, 7-Blue 8 bit, 8-Blue 16 bit, 9-White 8 bit, 10-White 16 bit

1 ch full = 1 DMX channel

MACRO

STANDARD = Standard mode enabled (default)

EXTENDED = Enable rainbow effects on Macro channel





LED



RGBW MINIMUM VALUES

This menu allows to select the minimum levels for Red/White1, Green/White2, Blue/White3 and White/White4.

RGBW MAXIMUM VALUES

This menu allows to select the maximum levels for Red/White1, Green/White2, Blue/White3 and White/White4. These settings have priority on Master Dimmer channel.

SMOOTH VALUE

This menu allows to select the value of the delay (in milliseconds) for RGBA and Dimmer channels reaction to DMX or program variation.
 4 = 25 ms delay (Fast response)
 20 = 250 ms delay (Slow response)

GAMMA CORRECTION

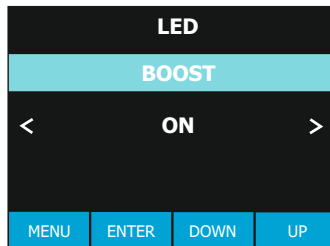
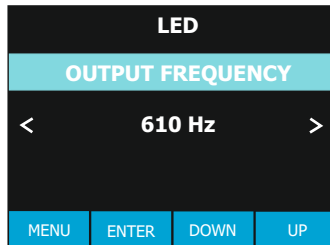
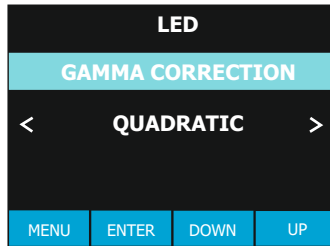
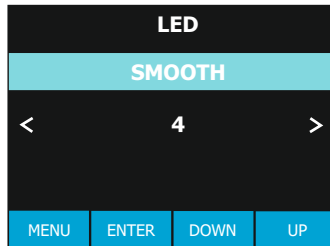
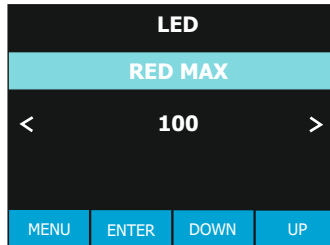
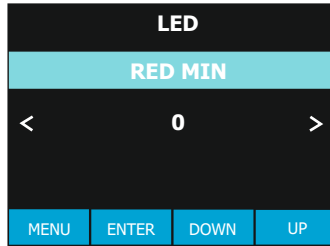
This menu allows to select between Linear current output or Quadratic current output for LEDs
 Default = Quadratic

OUTPUT FREQUENCY

This menu allows to adjust the PWM frequency value (Hz) in order to reduce flickering in the process of your camera Recordings

LED BOOST

With Boost ON, the LED's current has the same value pre-set into the "LED CURRENTS" menu (see below).
 With Boost OFF the medium current of each output channel is approximately 30% less (through PWM modulation) of the maximum current pre-set into the "LED CURRENTS" menu.



RED Min default = 0
 RED Max default = 100

GREEN Min default = 0
 GREEN Max default = 100

BLUE Min default = 0
 BLUE Max default = 100

WHITE Min default = 0
 WHITE Max default = 100

SMOOTH
 Range = Off - 20
 Default = 4

GAMMA CORRECTION
 Linear = Linear current output
 Quadratic = Linear light output (default)

OUTPUT FREQUENCY
 Range = 610 Hz - 20 KHz
 Default = 610 Hz

LED BOOST
 ON-OFF
 Default = OFF



LED CURRENTS

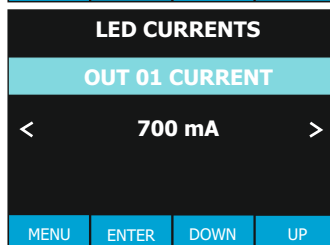
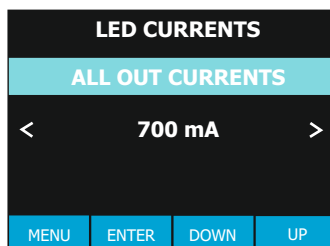


ALL OUTPUT CHANNELS CURRENT SELECTION

This menu allows to select the same maximum LED current (peak) for all output channels.

OUTPUT CHANNEL CURRENT SELECTION

This menu allows to select the maximum LED current (peak) independently for each output channel.



LED CURRENTS
 Range = 200 mA - 700 mA (50mA by 50mA selectable steps)
 Default = 700 mA





AUTO



AUTOMATIC MODE

Automatic demo game without DMX controller

STEP 01/16

Chase with 16 steps previously created in REC MODE

Speed time, Wait time and Dimmer values selectable by user.

PERSONAL COLOURS

RGBW, Dimmer and Shutter values selectable by user.

RAINBOW

Rainbow colours effect.

Speed time, Dimmer and Shutter values Selectable by user.

FIXED COLOURS

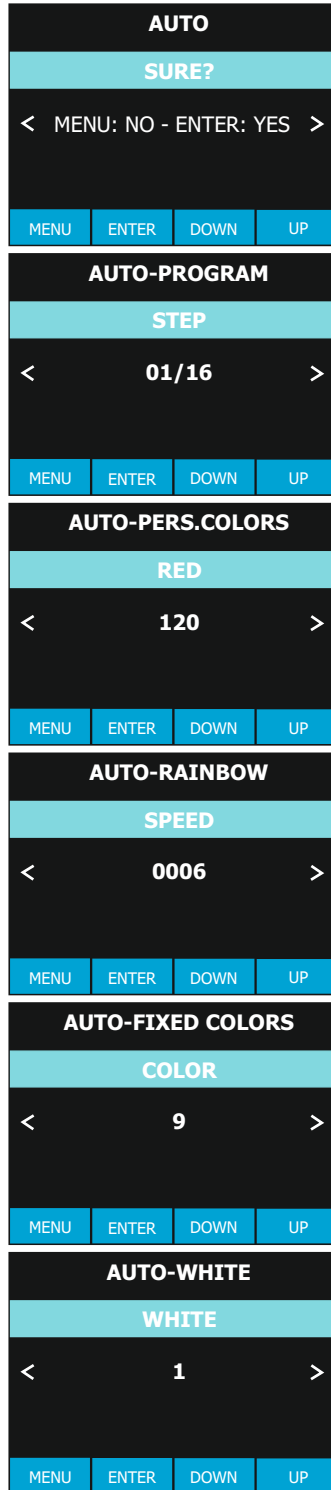
Sixteen colour macros as on "MACRO" channel.

Dimmer and Shutter values selectable by user.

WHITE MACROS

Sixteen macros for White colour.

Dimmer and Shutter values selectable by user.



By setting all the units connected to the MASTER to DMX address 1, they will be synchronized with the Master unit following the chase selected on it, including Time and Wait of the Master unit.





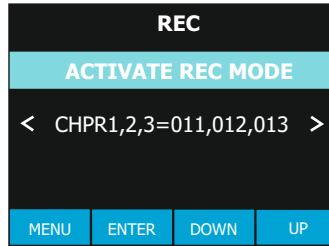
REC



REC MODE

In DMX Recorder mode it is possible to create and store the scenes of the CHPR menu by using an external DMX controller.

DRIVENET is forced to Z1 Type 8 bit 10ch mode.



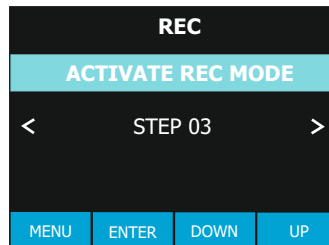
For the programming of ChPr by using a DMX controller, besides the 10 channels a further 3 DMX channels are needed. So that in REC mode (via DMX) the unit will need 13 channels to be correctly programmed.

The three new DMX channels are:

DMX channel 11 = CHPR1

From 0-24 = no function

From 25-255 it is possible to select one of the 16 programmable scenes



DMX channel 12 = CHPR2

From 0-19 it is shown the selected scene

From 20-234 the unit runs the configuration given by the received input DMX values.

With the channel CHPR2 it is possible to pass from one step to the next while with channel CHPR3 it is possible to record the selected scene.

From 235-255 the unit runs the configuration given by the received input DMX values closing the sequence as last scene.

With the channel CHPR3 it is possible to record the selected scene as last scene.

DMX channel 13 = CHPR3

Records the scene with a variation between 0-128 to 129-255 (the display flashes indicating that the scene has been recorded).

It is advised that you keep the REC channel set to 0 and to run through the 255 only once you have decided to save the scene.

If ChPr is not closed, by indicating the last scene (Channel CHPR2 between 235-255), in AUTO mode all 16 scenes will be played through even if not programmed.

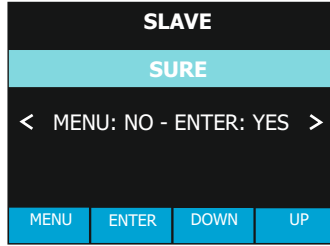


SLAVE



SLAVE MODE

The unit is forced to DMX address 1 receiving signal from the unit set in Auto mode.

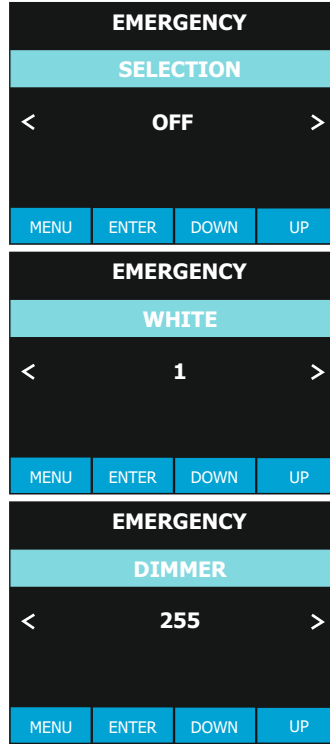


EMERGENCY



EMERGENCY OPERATING MODE.

By setting this mode, it will be possible to select one of the 16 pre-programmed White cues that will then ran if DMX signal is missing or not available. Useful for emergency exit illumination on public areas. Dimmer level selectable by user.



EMERGENCY
Disable = Default



WHITE (1-16)
Default = WHITE 1

DIMMER
Default = 255

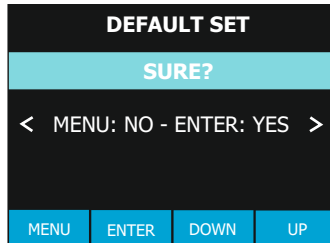


DEFAULT SET



DEFAULT SETTINGS

To restore factory settings

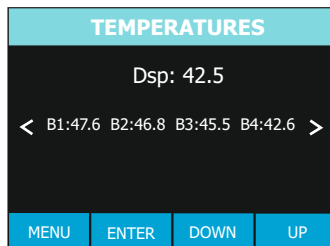


TEMPERATURES



TEMPERATURES

Display board and 4 LED Driver boards temperature monitoring

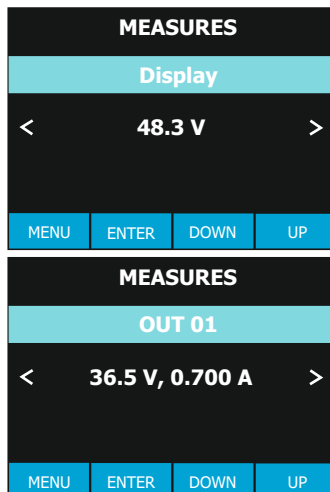


MEASURES



STATUS OF THE CONNECTED UNITS

This menu allows to check the status (current and voltage) of the connected units.

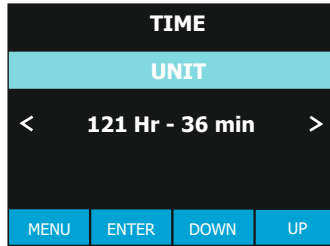




TIME



This menu shows the total UNIT life time and the RGBW life time



NETWORK



Art-NET COMMUNICATION PROTOCOL
This menu allows to enable/disable the Art-NET communication protocol. With Art-NET enabled the Art-NET signal has the priority on the DMX signal.

Art-NET DMX UNIVERSE
This menu allows to set the DMX universe.

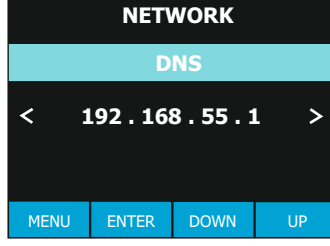
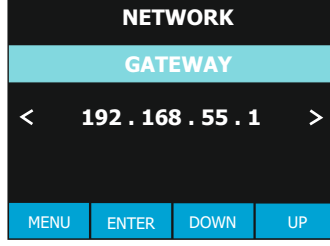
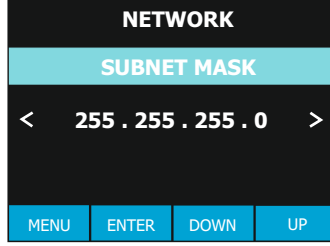
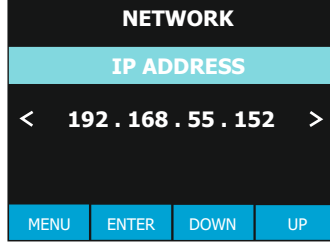
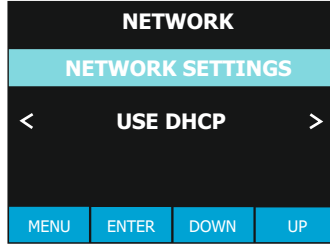
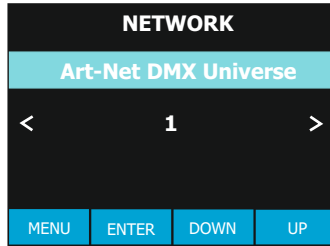
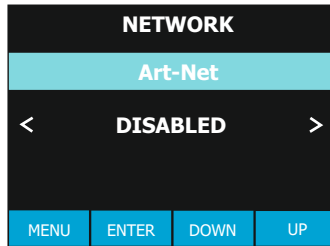
NETWORK SETTINGS
This menu allows to choose the mode to set the network parameters (IP address, Subnet mask, Gateway, DNS):
USE DHCP = automatic setting of the network parameters through a DHCP server on the local area network.
FIXED = Fixed setting of the network parameters.
CUSTOM = Manual setting of the network parameters.

IP ADDRESS
This menu shows the IP address of the DRIVENET. You can set up all bytes of the IP address only if NETWORK SETTINGS = CUSTOM.

SUBNET MASK
This menu shows the subnet mask. You can set up all bytes of the subnet mask only if NETWORK SETTINGS = CUSTOM.

GATEWAY
This menu shows the gateway. You can set up all bytes of the gateway only if NETWORK SETTINGS = CUSTOM.

DNS
This menu shows the domain name server. You can set up all bytes of the DNS only if NETWORK SETTINGS = CUSTOM.



Art-NET ENABLED or DISABLED
Default = DISABLED



Art-NET DMX Universe
Range: 0 - 255
Default = 0

NETWORK SETTINGS: USE DHCP, FIXED or CUSTOM
Default = USE DHCP

IP ADDRESS
IP address displaying

SUBNET MASK
Subnet mask displaying

GATEWAY
Gateway displaying

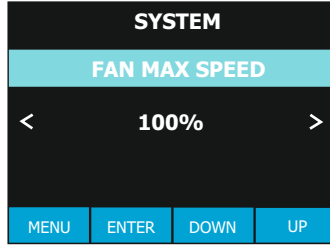
DNS
Domain name server displaying



SYSTEM



FAN MAX SPEED
This menu allows to select the internal fans speed



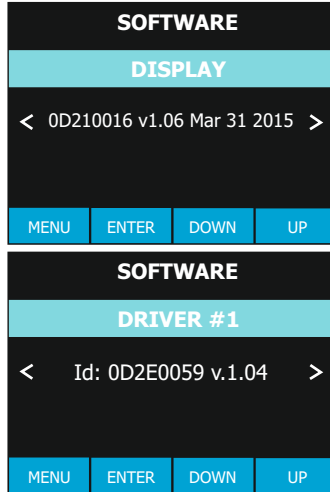
FAN MAX SPEED
50% - 100%
Default = 100%



SOFTWARE



SOFTWARE
Display board and LED Driver board software version



Display board software version



LED Driver board software version

DMX PROTOCOL**“FULL TYPE - 8 BIT” 16 DMX Channels (Default)**

1	RED	1
2	GREEN	1
3	BLUE	1
4	WHITE	1
5	RED	2
6	GREEN	2
7	BLUE	2
8	WHITE	2
9	RED	3
10	GREEN	3
11	BLUE	3
12	WHITE	3
13	RED	4
14	GREEN	4
15	BLUE	4
16	WHITE	4

DMX CHANNEL	1	Parameter: RED 1			
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	2	Parameter: GREEN1			
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	3	Parameter: BLUE 1			
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	4	Parameter: WHITE 1			
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	5	Parameter: RED 2			
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	6	Parameter: GREEN 2			
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	7	Parameter: BLUE 2			
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	8	Parameter: WHITE 2			
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	9	Parameter: RED 3			
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	10	Parameter: GREEN 3			
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	11	Parameter: BLUE 3			
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	12	Parameter: WHITE 3			
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	13	Parameter: RED 4
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	14	Parameter: GREEN 4
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	15	Parameter: BLUE 4
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	16	Parameter: WHITE 4
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX PROTOCOL**"Z1 TYPE - 8 BIT" 10 DMX Channels**

- 1 SHUTTER**
- 2 DIMMER**
- 3 RED**
- 4 GREEN**
- 5 BLUE**
- 6 WHITE**
- 7 WHITE PRE-PROGRAMMED (Whites at different colour temperatures)**
- 8 CTC**
- 9 MACRO**
- 10 FUNCTIONS**

DMX CHANNEL	1	Parameter: SHUTTER
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-9	5				Black-out
10-19	14				Open
20-29	24				Black-out
30-119					Strobe at variable speed from slow to fast (3,27 s - 30 ms)
120-149					Pulse open at variable speed from slow to fast (42,6 s - 120 ms)
150-179					Pulse close at variable speed from slow to fast (42,6 s - 120 ms)
180-204	192				Random Strobe (Master and RGBW active)
205-229	218				Random Strobe (Full)
230-255	240				Open

DMX CHANNEL	2	Parameter: DIMMER
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-255					Proportional dimmer

DMX CHANNEL	3	Parameter: RED
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-255					Proportional colour

DMX CHANNEL	4	Parameter: GREEN
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-255					Proportional colour

DMX CHANNEL	5	Parameter: BLUE
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-255					Proportional colour

DMX CHANNEL	6	Parameter: WHITE
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-255					Proportional colour

DMX CHANNEL	7	Parameter: WHITE PRE-PROGRAMMED (Whites at diff. color temperature)
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-55	23				No Function
56-105	80				Full (Red-Green-Blue at Full)
106-155	130				White DTS

IF CHANNEL 10 (FUNCTIONS) = CUSTOM WHITE RECALL (Dmx range value 0 - 79)

156-205	180	Custom White Recall
206-255	225	White CTC (Channel 8 CTC enabled 43 color temp. Correction Macros: 2700K-8000K)

IF CHANNEL 10 (FUNCTIONS) = CUSTOM WHITE CREATE (Dmx range value 80 - 160)

156-205	180	Custom White Create (RGB levels selectable by DMX)
206-255	225	White CTC (Channel 8 CTC enabled 43 color temp. Correction Macros: 2700K-8000K)

DMX CHANNEL	8	Parameter: CTC (Color temperature correction)
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
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IF CHANNEL 7 (White) = WHITE CTC (Dmx range value 206 - 255)

0-255	43 color temp. Correction Macros: 0 = 2700K / 128 = 5500K / 255 = 8000K				
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IF CHANNEL 7 (White) = NO FUNCTION (Dmx range value 0 - 43)

0-255	Smooth RGB linear Hue correction				
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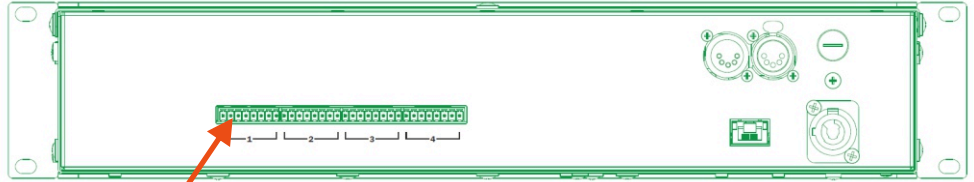
DMX CHANNEL	9	Parameter: MACRO
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-14					No Function
15-29					Macro 1
30-44					Macro 2
45-59					Macro 3
60-74					Macro 4
75-89					Macro 5
90-104					Macro 6
105-119					Macro 7
120-134					Macro 8
135-149					Macro 9
150-164					Macro 10
165-179					Macro 11
180-194					Macro 12
195-209					Macro 13
210-225					Macro 14
226-239					Macro 15
240-255					Macro 16

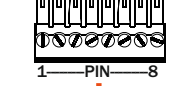
DMX CHANNEL	10	Parameter: FUNCTIONS (Recall, Create and Store the Custom white)
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-79		Custom White Recall (Enable CH 7 for Custom white Recall)			
80-160		Custom White Create (Enable CH 7 for Custom white Creation)			
161-255		Custom White Store (Store the Custom White created)			

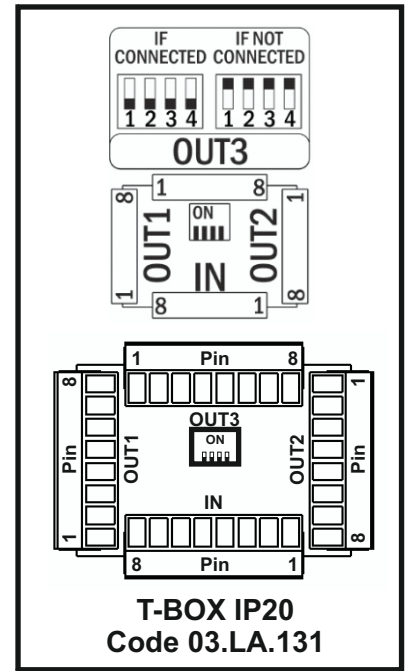
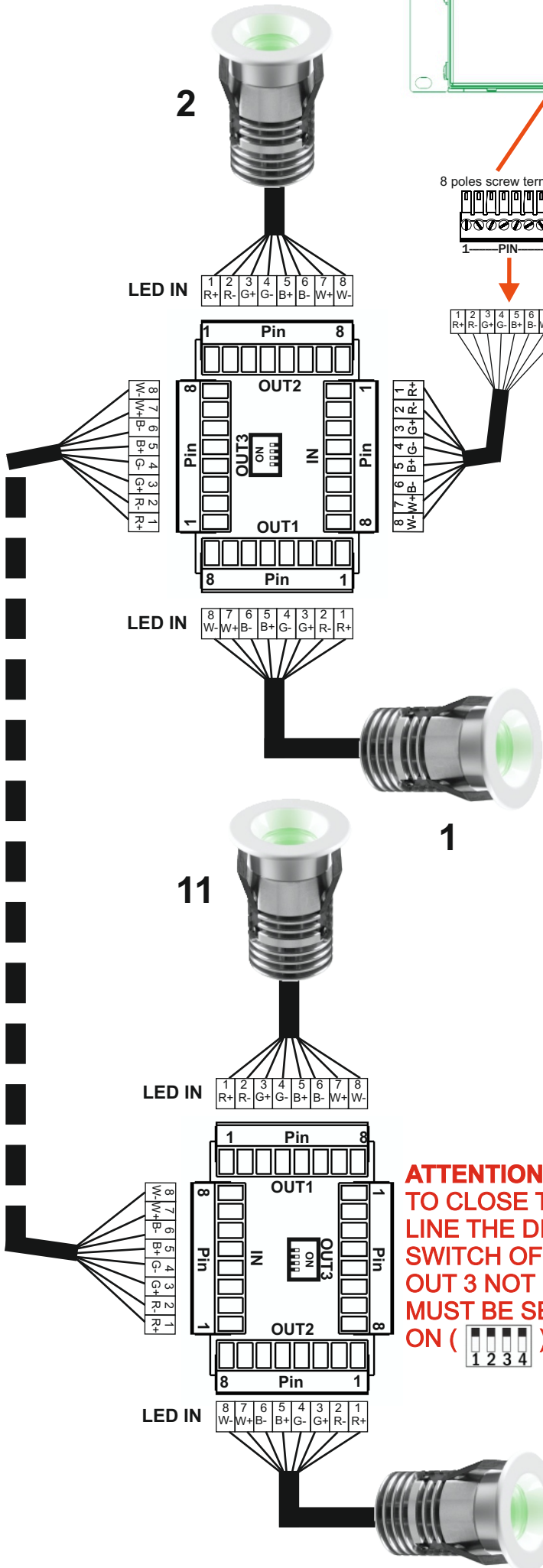
CONNECTION DIAGRAM




8 poles screw terminals



CONNECTION		
PIN OUT	LED	WIRES COLOURS
PIN 1	RED +	WHITE
PIN 2	RED -	BROWN
PIN 3	GREEN +	GREEN
PIN 4	GREEN -	YELLOW
PIN 5	BLUE +	GREY
PIN 6	BLUE -	PINK
PIN 7	WHITE +	RED
PIN 8	WHITE -	BLUE



ATTENTION:
TO CLOSE THE LINE THE DIP SWITCH OF THE OUT 3 NOT USED MUST BE SET TO ON ().

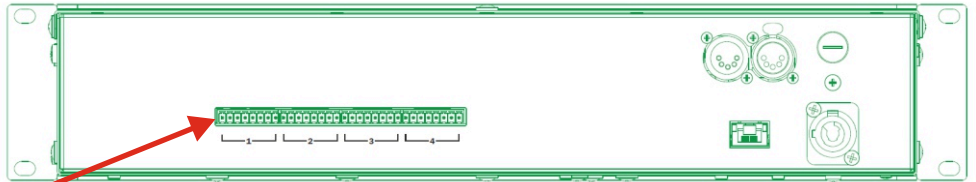
The maximum number of VICE R FC connectable to each output of DRIVENET 416 PSU is 12 pcs.

Never plug the cable coming from the PSU into OUT 1, OUT 2 or OUT 3 of the T-BOX because a wrong connection can seriously damage the unit or the PSU.

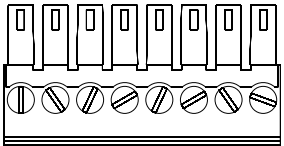
Never plug in a new VICE R FC when the PSU is turned on.

The maximum distance between DRIVENET 416 PSU and the unit should not exceed 100 meters.

CONNECTION DIAGRAM



8 poles screw terminals



1-----PIN-----8

LEDs OUTPUT 1

1	2	3	4	5	6	7	8
R+	R-	G+	G-	B+	B-	W+	W-

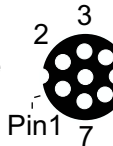
CONNECTION		
PIN OUT	LED	WIRES COLOURS
PIN 1	RED +	WHITE
PIN 2	RED -	BROWN
PIN 3	GREEN +	GREEN
PIN 4	GREEN -	YELLOW
PIN 5	BLUE +	GREY
PIN 6	BLUE -	PINK
PIN 7	WHITE +	RED
PIN 8	WHITE -	BLUE

8 poles to M12 female cable converter

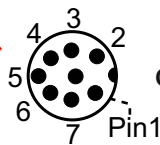


FOS 100 FC

M12 Female Connector



M12 Male Connector



CONNECTION		
PIN OUT	LED	WIRES COLOURS
PIN 1	RED +	WHITE
PIN 2	RED -	BROWN
PIN 3	GREEN +	GREEN
PIN 4	GREEN -	YELLOW
PIN 5	BLUE +	GREY
PIN 6	BLUE -	PINK
PIN 7	WHITE -	BLUE
PIN 8	WHITE +	RED

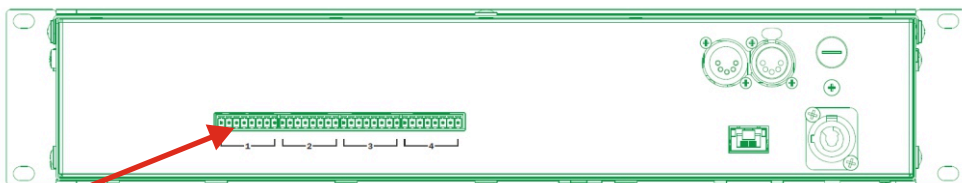
The maximum number of FOS 100 FC connectable to each output of the DRIVENET 416 PSU is 1 piece.

The maximum number of FOS 33 FC connectable to each output of the DRIVENET 416 PSU is 3 pcs (2 x FOS 33 IN/OUT + 1 x FOS 33 END).

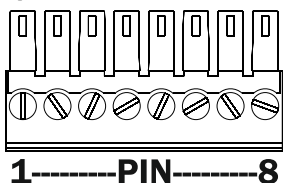
NEVER CONNECT OR DISCONNECT THE UNIT WHEN THE PSU IS TURNED ON.

The maximum distance between DRIVENET 416 and FOS unit should not exceed 50 meters.

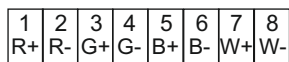
CONNECTION DIAGRAM



8 poles screw terminals



LEDs OUTPUT 1



CONNECTION		
PIN OUT	LED	WIRES COLOURS
PIN 1	RED +	WHITE
PIN 2	RED -	BROWN
PIN 3	GREEN +	GREEN
PIN 4	GREEN -	YELLOW
PIN 5	BLUE +	GREY
PIN 6	BLUE -	PINK
PIN 7	WHITE +	RED
PIN 8	WHITE -	BLUE

8 poles to M12 female cable converter



CONNECTION		
PIN OUT	LED	WIRES COLOURS
PIN 1	RED +	WHITE
PIN 2	RED -	BROWN
PIN 3	GREEN +	GREEN
PIN 4	GREEN -	YELLOW
PIN 5	BLUE +	GREY
PIN 6	BLUE -	PINK
PIN 7	WHITE -	BLUE
PIN 8	WHITE +	RED

The maximum number of FREELINE 60 FC or FREELINE 90 FC unit connectable to each output of the DRIVENET 416 PSU is 1 piece.

NEVER CONNECT OR DISCONNECT THE UNIT WHEN THE PSU IS TURNED ON.

The maximum distance between the DRIVENET 416 and the unit should not exceed 100 meters.

NOTES

NOTES

PROUDLY
MADE IN ITALY



DTS products are designed
and manufactured at the
DTS plants in Italy



ISO 9001:2015

DTS quality system is certified
to the ISO 9001:2015 standard

05171279

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