

DRIVENET 832 24Vdc SCREW TERMINALS



CE

User's Manual rel 1.2 **GB**

D.T.S. Illuminazione srl - ITALY
<http://www.dts-lighting.it>



Made in Italy

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DESCRIPTION

Overview

DRIVENET 832 24Vdc is a full-range AC 90-260V 50-60Hz power supply unit dedicated specifically for use with D.T.S. Products featuring LED technology.

DRIVENET 832 24Vdc features 32 output channels (4 channels x 8 groups), and can control set-ups of D.T.S. LED products in various combinations.

DRIVENET 832 24Vdc is provided with a screw terminals connection panel.

DRIVENET 832 24Vdc can also be remote-controlled using the USITT DMX 512 standard digital communication protocol or by RDM.

Thanks to the "Monitoring" function it can be possible to check the status (current and voltage) of the connected units.

DRIVENET 832 24Vdc is housed in a rack-mountable or sturdy metal case, that offers high resistance to mechanical stress; its body is covered with a coat of epoxy paint.

Distance between projectors and DRIVENET 832 24Vdc LED controller up to 100 meters.

D.T.S. Product codes:

03.LA.177.V2 DRIVENET 832 24Vdc Screw terminals outputs

TECHNICAL SPECIFICATIONS

Main voltage: Full-range AC 90-260V 50-60Hz

Output channels: 32 (4 channels x 8 groups)

Current: Up to 700mA Max

Output voltage: 24Vdc

Control: DMX 512 and RDM

DMX channels: 32 (default), 64 ch, 10 ch, 14 ch, 80 ch, 112 ch, 48 ch and 1 ch

Art-NET: ETHERNET IN with RJ45 female panel connector

Output connections: Screw terminals

Maximum projector distance: up to 100 m

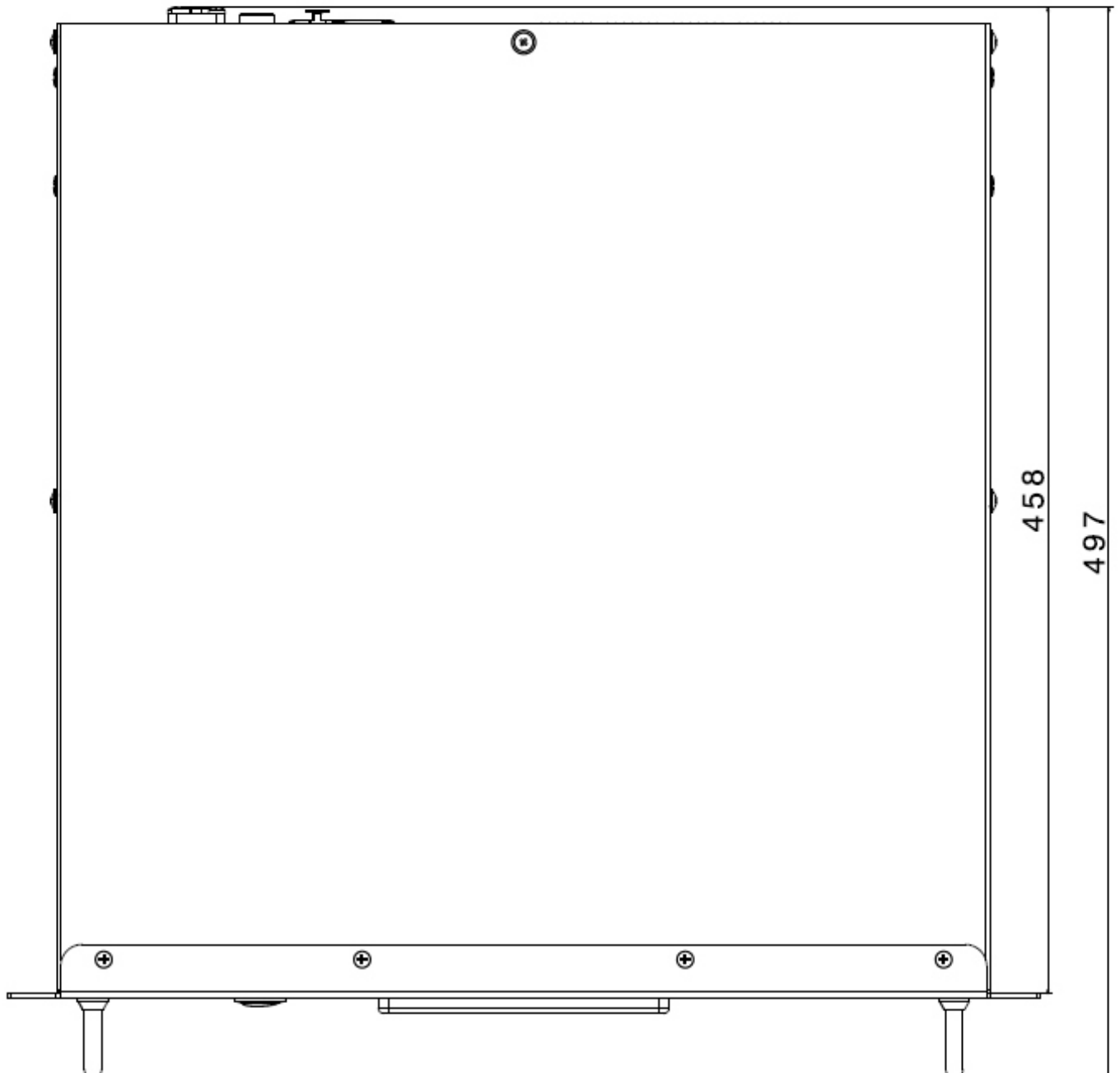
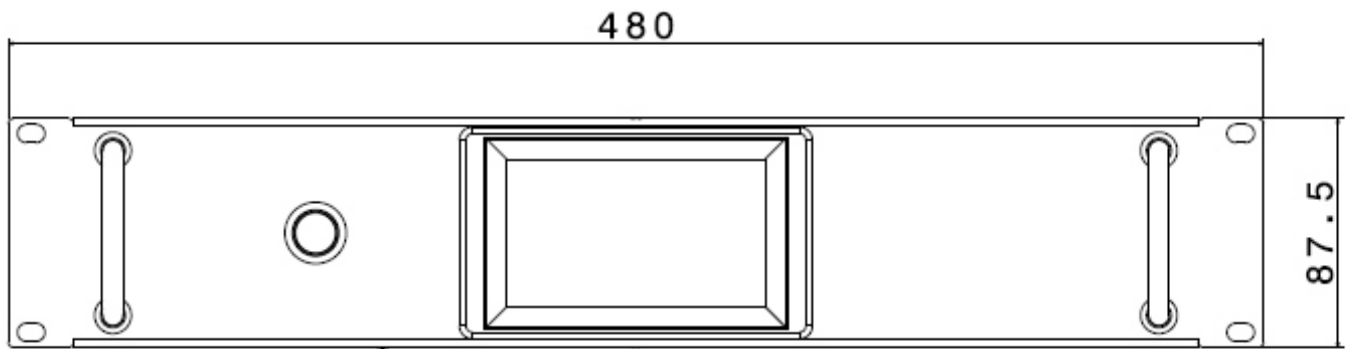
IP protection: IP 20

Working temperature: -10° / 40°

Rack mountable: 2 rack units

Display: Touch colour graphic display

Weight: 8.5 Kg

DIMENSIONS

IMPORTANT SAFETY INFORMATION

Fire prevention:

It is permissible to place the unit on normally flammable surfaces.

Suitable for mounting on normally flammable materials surfaces greater than 200°C with some combustion time lag.

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

Prevention from electric shock:

High voltage is present inside the unit.

Unplug the unit prior to performing any operation which involves touching the inside of the unit.

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 832 24Vdc.

Use only AC supplies 90-260V 50-60Hz.

The unit should never be located in position exposed to rain or in areas of extreme humidity.

A good air ventilation is essential for proper equipment work.

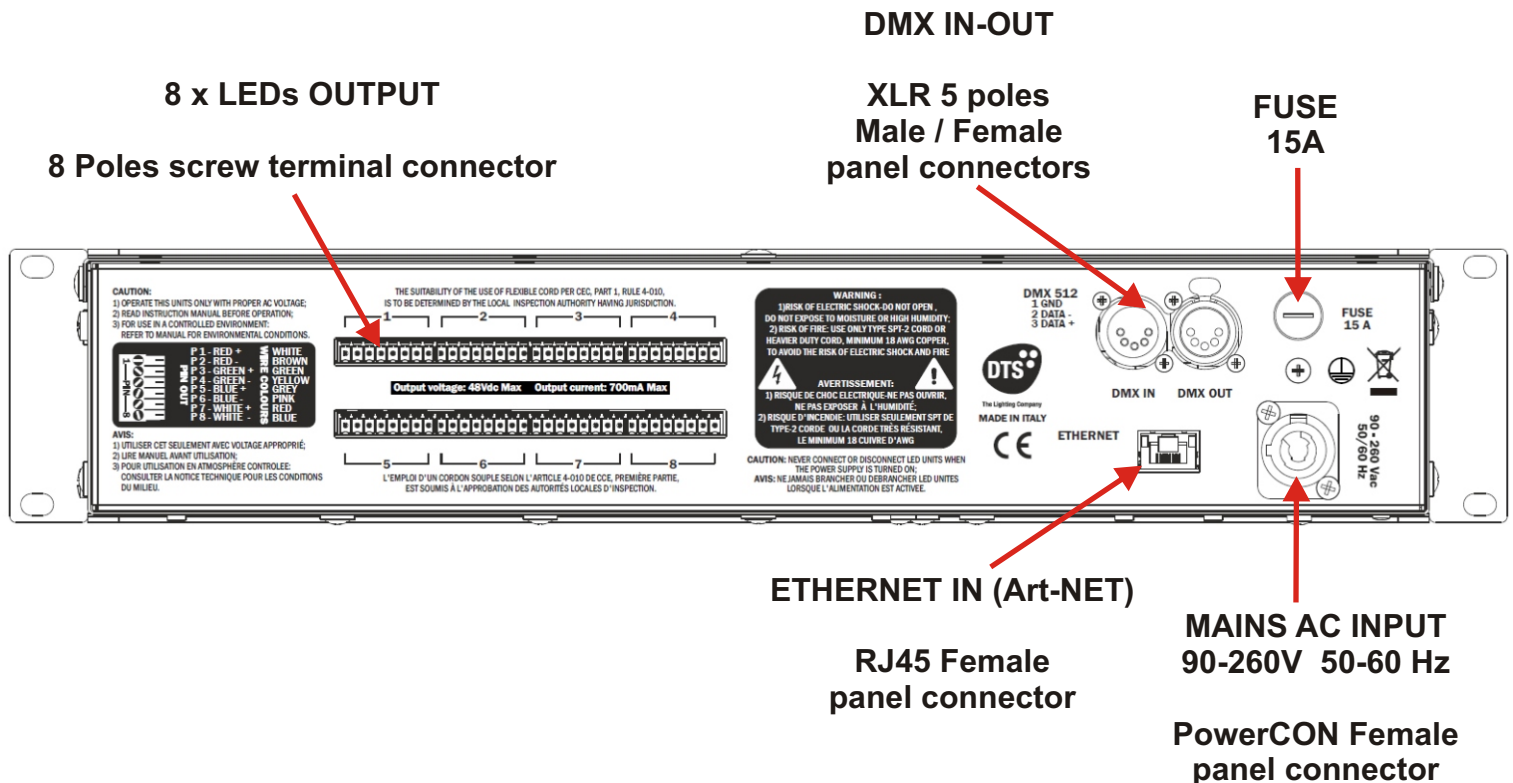
Safety:

The external surface of the unit may exceed 50°C; never handle the unit until at least 5 minutes have elapsed since the unit was turned off.

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

The ambient temperature should not exceed 40°C and should not be lower than -10°C.

CONNECTION PANEL



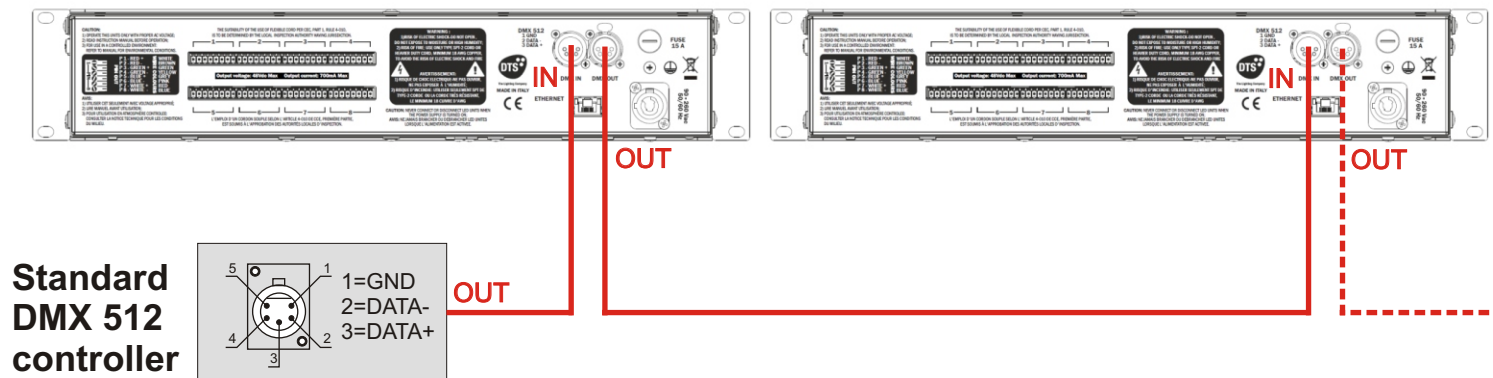
The maximum distance between the controller and LED projector should not exceed 100 meters.

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 CANNON 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 Z8 plug and connect it to the next unit by connecting the DMX OUT plug on the first Z8 to the DMX IN plug of the second one.

This way, all the projectors are cascade connected.

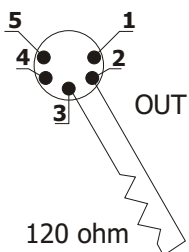


P.S: If the display showing the DMX address flashes, then one of the following errors has occurred:

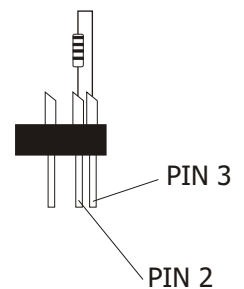
- DMX signal not present
- DMX reception problem

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 XLR CONNECTOR AND PLUG IT INTO THE DMX OUT PANEL CONNECTOR OF THE LAST UNIT CONNECTED TO THE DMX LINE



DMX ADDRESS

DRIVENET 832 24Vdc can be used in 9 DMX modes: 112 ch, 80 ch, 64 ch, 48 ch, 32 ch, 14 ch, 10 ch or 1 ch mode.

If you want to use the DRIVENET 832 24Vdc in 32 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	A033	If you want to select the next projector, just add "32"
Projector 3	A065	
.....	A....	
projector 6	A161	

If you want to use the DRIVENET 832 24Vdc 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:

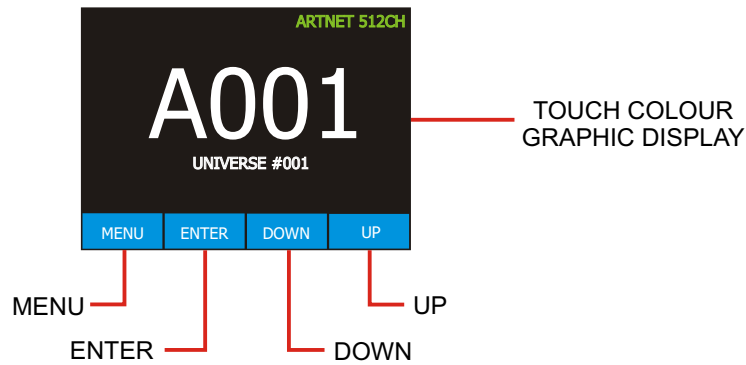
Projector 1	A001	
Projector 2	A011	If you want to select the next projector, just add "10"
Projector 3	A021	
.....	A....	
projector 6	A051	

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.

DISPLAY FUNCTIONS



DISPLAY FUNCTIONS

The DRIVENET 832 24Vdc 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 D.T.S. 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.

Software version 1.13



Display



DISPLAY POSITION

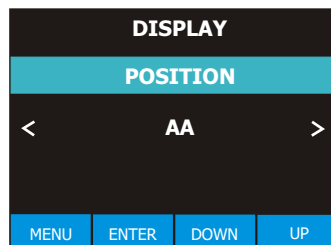
Reverses display's reading depending on the mounting position (on the ground or suspended).

DISPLAY STANDBY

To turn off the display (after 30 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 30 seconds



TOUCH SCREEN CALIBRATION
To calibrate the touch screen





DMX Setup



DMX MODE

To select DMX mode:

Full Type 8 bit 32 DMX ch.

Full Type 16 bit 64 DMX ch.

Z1 Type 8 bit 10 DMX ch.

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

Z1 Full 8 bit 10x8 = 80 DMX ch.

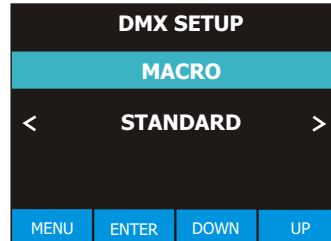
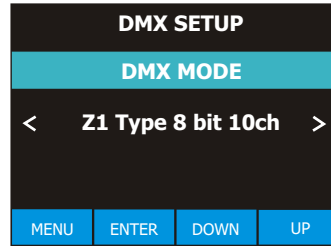
Z1 Full 16 bit 14x8 = 112 DMX ch.

Z1 Short Full 8 bit 6x8 = 48 DMX ch.

Z1 Short Full 16 bit 10x8 = 80 DMX ch.

1 channel full = 1 DMX ch

MACRO mode: Standard or Extended



DMX MODE MAP



Full type - 8 bit = 32 DMX ch (default)
= RGBW 4 ch each output: 1-Red, 2-Green, 3-Blue, 4-White.

Full type - 16 bit = 64 DMX ch mode
= RGBW 2ch each colour; 8ch 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 = (10x8) 80 DMX ch mode same as Z1 type 8 bit 10ch but each output with independent DMX control:

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

Z1 full - 16 bit = (14x8) 112 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 = (6x8) 48 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 = (10x8) 80 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 channel full = 1 DMX channel mode.
Linear dimmer for all outputs at the same time

MACRO

STANDARD = Standard mode enabled (default)

EXTENDED = Enable rainbow effects on Macro channel



LED



RGBA MINIMUM VALUES

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

RGBA 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.

LED			
RED MIN			
<	0	>	
MENU	ENTER	DOWN	UP

LED			
RED MAX			
<	100	>	
MENU	ENTER	DOWN	UP

LED			
SMOOTH			
<	4	>	
MENU	ENTER	DOWN	UP

LED			
GAMMA CORRECTION			
<	QUADRATIC	>	
MENU	ENTER	DOWN	UP

LED			
OUTPUT FREQUENCY			
<	610 Hz	>	
MENU	ENTER	DOWN	UP

LED			
BOOST			
<	ON	>	
MENU	ENTER	DOWN	UP

RED Min default = 0
RED Max default = 100

GREEN Min default = 0
GREEN Max default = 100

BLUE Min default = 0
BLUE Max default = 100

AMBER Min default = 0
AMBER 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			
ALL OUT CURRENTS			
<	700 mA	>	
MENU	ENTER	DOWN	UP

LED CURRENTS			
OUT 01 CURRENT			
<	700 mA	>	
MENU	ENTER	DOWN	UP

LED CURRENTS
Range = 200 mA - 700 mA
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

RGBA, 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.

AUTO			
SURE?			
< MENU: NO - ENTER: YES >			
MENU	ENTER	DOWN	UP
AUTO-PROGRAM			
STEP			
< 01/16 >			
MENU	ENTER	DOWN	UP
AUTO-PERS.COLORS			
RED			
< 120 >			
MENU	ENTER	DOWN	UP
AUTO-RAINBOW			
SPEED			
< 0006 >			
MENU	ENTER	DOWN	UP
AUTO-FIXED COLORS			
COLOR			
< 9 >			
MENU	ENTER	DOWN	UP
AUTO-WHITE			
WHITE			
< 1 >			
MENU	ENTER	DOWN	UP

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





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 run if DMX signal is missing or not available. Useful for emergency exit illumination on public areas.
Dimmer level selectable by user.

EMERGENCY			
SELECTION			
<	OFF		>
MENU	ENTER	DOWN	UP
EMERGENCY			
WHITE			
<	1		>
MENU	ENTER	DOWN	UP
EMERGENCY			
DIMMER			
<	255		>
MENU	ENTER	DOWN	UP

EMERGENCY
Disable = Default



WHITE (1-16)
Default = WHITE 1

DIMMER
Default = 255



DEFAULT SET



DEFAULT SETTINGS

To restore factory settings

DEFAULT SET			
SURE?			
<	MENU: NO - ENTER: YES		>
MENU	ENTER	DOWN	UP



TEMPERATURES



TEMPERATURES MONITORING

Display board and LED Driver boards temperature

TEMPERATURES			
Dsp: 32.5			
<	B1: 27.6 B2: 26.8		>
MENU	ENTER	DOWN	UP



MEASURES



STATUS OF THE CONNECTED UNITS

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

MEASURES			
Display			
<	24.3 V		>
MENU	ENTER	DOWN	UP
MEASURES			
OUT 01			
<	0.0 V, 0.000 A		>
MENU	ENTER	DOWN	UP





TIME



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

TIME			
UNIT			
<	121 Hr - 36 min		>
MENU	ENTER	DOWN	UP



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.

NETWORK			
Art-Net			
<	DISABLED		>
MENU	ENTER	DOWN	UP

NETWORK			
Art-Net DMX Universe			
<	1		>
MENU	ENTER	DOWN	UP

NETWORK			
NETWORK SETTINGS			
<	USE DHCP		>
MENU	ENTER	DOWN	UP

NETWORK			
IP ADDRESS			
<	192 . 168 . 55 . 152		>
MENU	ENTER	DOWN	UP

NETWORK			
SUBNET MASK			
<	255 . 255 . 255 . 0		>
MENU	ENTER	DOWN	UP

NETWORK			
GATEWAY			
<	192 . 168 . 55 . 1		>
MENU	ENTER	DOWN	UP

NETWORK			
DNS			
<	192 . 168 . 55 . 1		>
MENU	ENTER	DOWN	UP

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

SYSTEM			
FAN MAX SPEED			
<	100%		>
MENU	ENTER	DOWN	UP

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



SOFTWARE



SOFTWARE

Display board and LED Driver boards software version

SOFTWARE			
DISPLAY			
<	0D210016 v1.06 Mar 31 2015		>
MENU	ENTER	DOWN	UP

Display board software version



SOFTWARE			
DRIVER #1			
<	Id: 0D2E0059 v.1.04		>
MENU	ENTER	DOWN	UP

LED Driver board 1 software version

SOFTWARE			
DRIVER #2			
<	Id: 0D2E0058 v.1.04		>
MENU	ENTER	DOWN	UP

LED Driver board 2 software version

DMX PROTOCOL**“FULL TYPE - 8 BIT” 32 DMX Channels (Default)**

1	RED	1	17	RED	5
2	GREEN	1	18	GREEN	5
3	BLUE	1	19	BLUE	5
4	WHITE	1	20	WHITE	5
5	RED	2	21	RED	6
6	GREEN	2	22	GREEN	6
7	BLUE	2	23	BLUE	6
8	WHITE	2	24	WHITE	6
9	RED	3	25	RED	7
10	GREEN	3	26	GREEN	7
11	BLUE	3	27	BLUE	7
12	WHITE	3	28	WHITE	7
13	RED	4	29	RED	8
14	GREEN	4	30	GREEN	8
15	BLUE	4	31	BLUE	8
16	WHITE	4	32	WHITE	8

DMX CHANNEL	1	Parameter: RED 1
-------------	----------	-------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	2	Parameter: GREEN1
-------------	----------	--------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	3	Parameter: BLUE 1
-------------	----------	--------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	4	Parameter: WHITE 1
-------------	----------	---------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	5	Parameter: RED 2
-------------	----------	-------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	6	Parameter: GREEN 2
-------------	----------	---------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	7	Parameter: BLUE 2
-------------	----------	--------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	8	Parameter: WHITE 2
-------------	----------	---------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	9	Parameter: RED 3
-------------	----------	-------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	10	Parameter: GREEN 3
-------------	-----------	---------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	11	Parameter: BLUE 3
-------------	-----------	--------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	12	Parameter: WHITE 3
-------------	-----------	---------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	13	Parameter: RED 4
-------------	----	-------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	14	Parameter: GREEN 4
-------------	----	---------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	15	Parameter: BLUE 4
-------------	----	--------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	16	Parameter: WHITE 4
-------------	----	---------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	17	Parameter: RED 5
-------------	----	-------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	18	Parameter: GREEN 5
-------------	----	---------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	19	Parameter: BLUE 5
-------------	----	--------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	20	Parameter: WHITE 5
-------------	----	---------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	21	Parameter: RED 6
-------------	----	-------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	22	Parameter: GREEN 6
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	23	Parameter: BLUE 6
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	24	Parameter: WHITE 6
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	25	Parameter: RED 7
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	26	Parameter: GREEN 7
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	27	Parameter: BLUE 7
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	28	Parameter: WHITE 7
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	29	Parameter: RED 8
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	30	Parameter: GREEN 8
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	31	Parameter: BLUE 8
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
000-255					Proportional colour

DMX CHANNEL	32	Parameter: WHITE 8
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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: 2000°K-7200°K)

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: 2000°K-7200°K)

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 = 2000°K / 128 = 5500°K / 255 = 7200°K				
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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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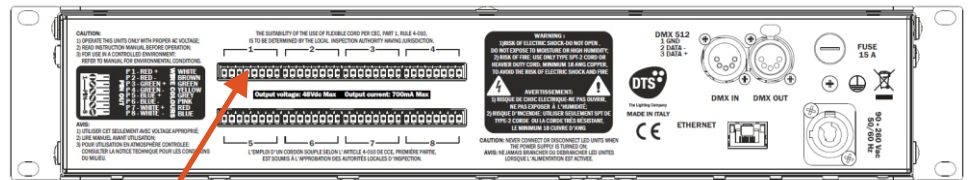
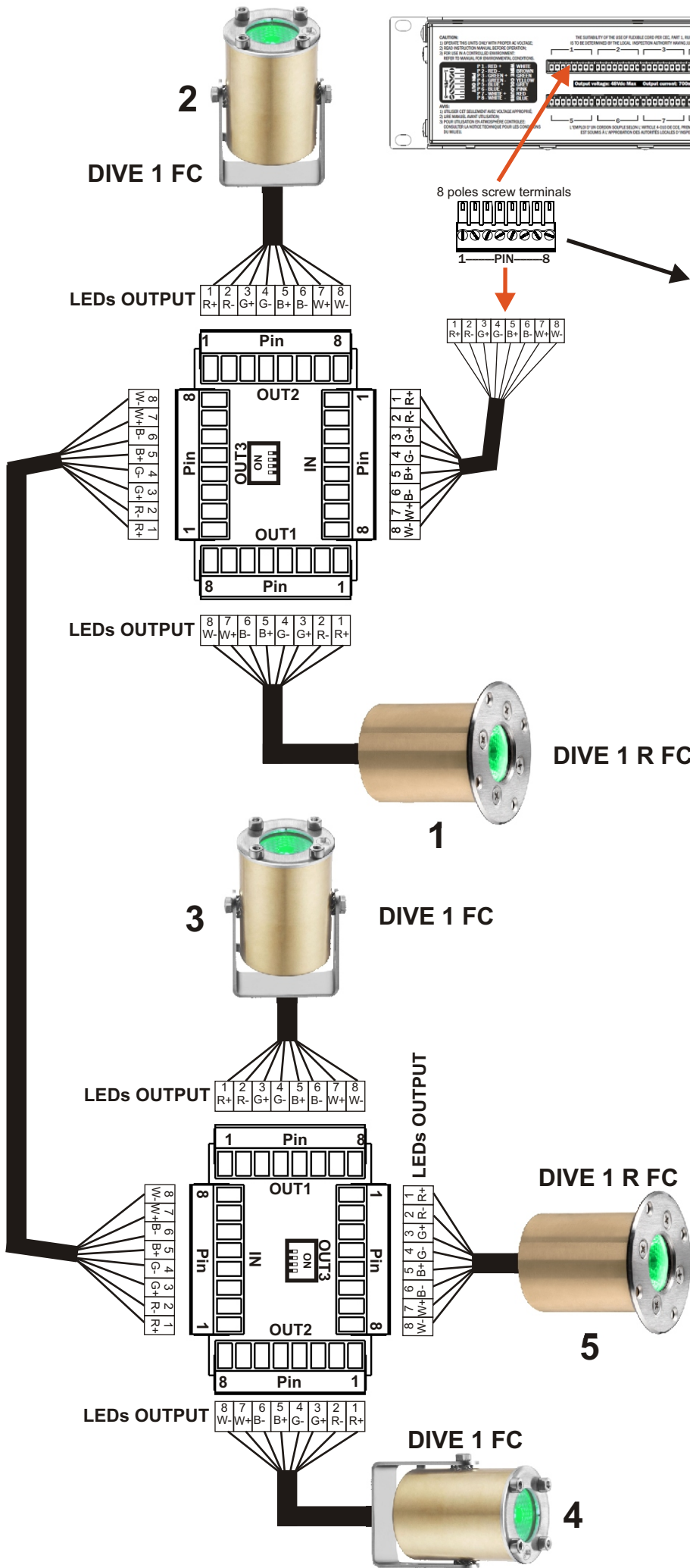
DMX CHANNEL	9	Parameter: MACRO
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-14					No Function
15-29					Macro 1
30-44					Macro 2
45-59					Macro 3
60-74					Macro 4
75-89					Macro 5
90-104					Macro 6
105-119					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

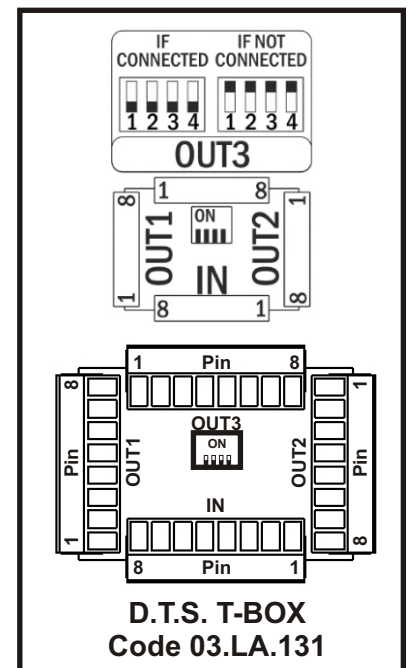
DMX CHANNEL	10	Parameter: FUNCTIONS (Recall, Create and Store the Custom white)
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-79		Custom White Recall (Enable CH 7 for Custom white Recall)			
80-160		Custom White Create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

WIRING DIAGRAMS



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



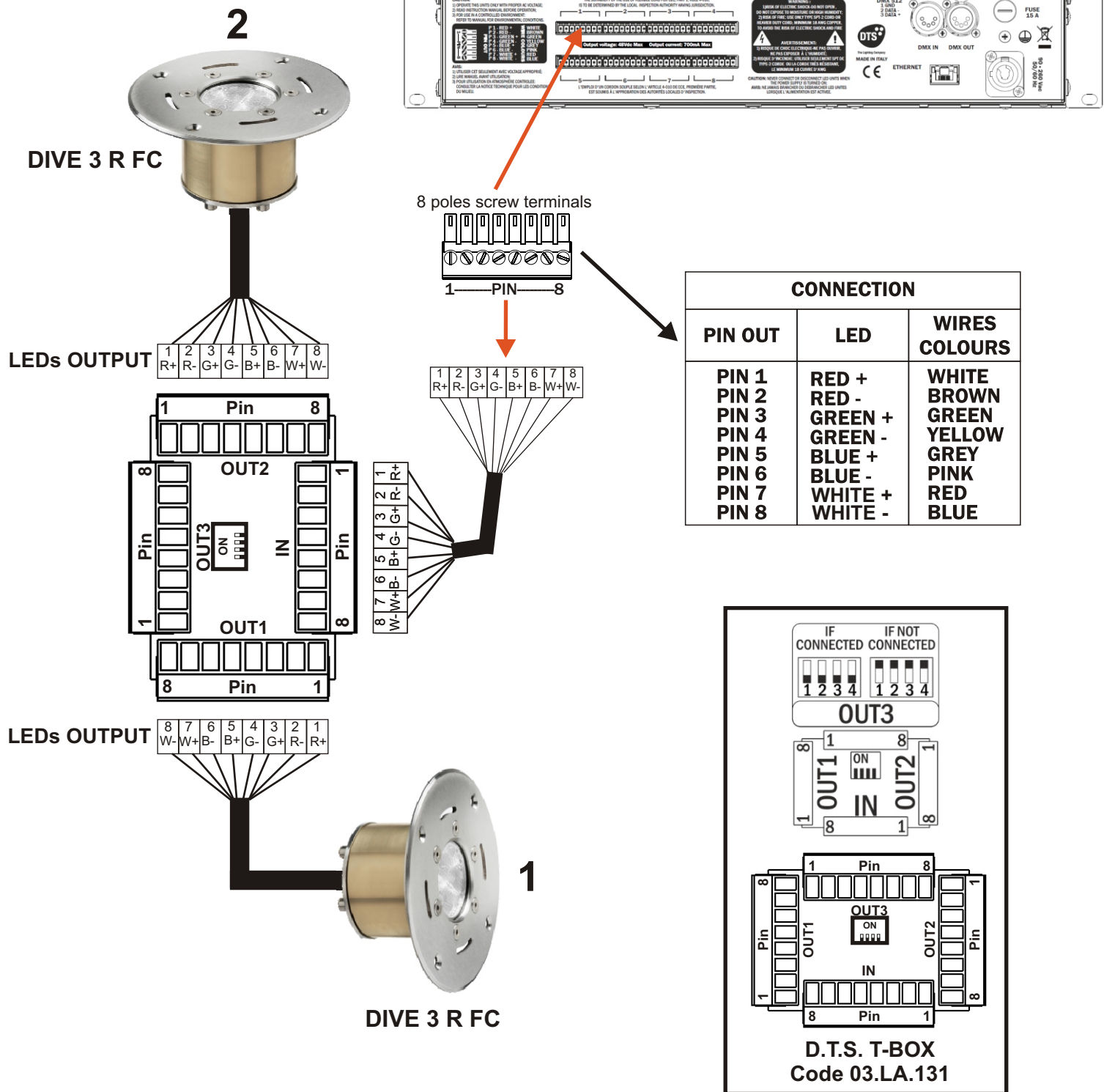
The maximum number of DIVE 1 and DIVE 1 R FC connectable to the each output of DRIVENET 832 24Vdc LED Controller is 6 pcs.

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

Never plug in a new DIVE projector when the power supply is turned on.

The maximum distance between the power supply and the unit should not exceed 100 meters.

WIRING DIAGRAMS



The maximum number of DIVE 3 FC and DIVE 3 R FC connectable to the each output of DRIVENET 832 24Vdc LED Controller is 2 pcs.

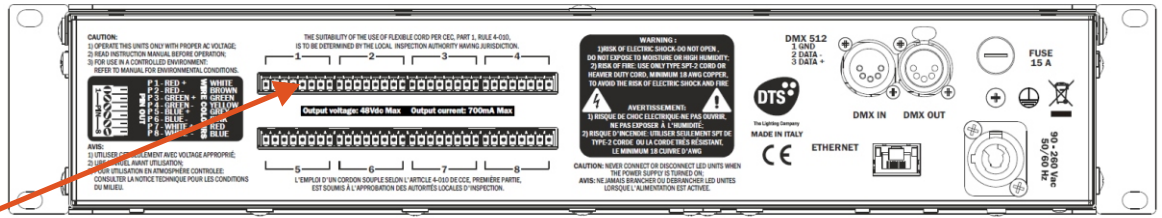
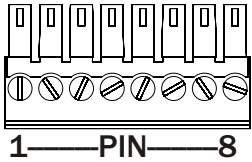
Never plug the cable coming from the Power supply into OUT 1, OUT 2 or OUT 3 of the T-BOX because a wrong connection can seriously damage the projector or the power supply.

Never plug in a new DIVE projector when the power supply is turned on.

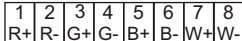
The maximum distance between the power supply and the unit should not exceed 100 meters.

WIRING DIAGRAMS

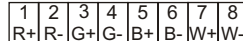
8 poles screw terminals



LEDs output



LEDs output



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

DIVE 6 FC

DIVE 6 R FC

The maximum number of DIVE 6 FC or DIVE 6 R FC unit connectable to the DRIVENET 832 24Vdc is 8 pcs (1 unit each output).

Never plug in a new DIVE projector when the power supply is turned on.

The maximum distance between the power supply 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 9001:2008

DTS quality system is certified
to the ISO 9001:2008 standard

