

# **Data Configurator**



## **USER MANUAL**

# **Data Configurator**

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## 1. Safety information

#### FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE POWERING OR INSTALLING YOUR DATA CONFIGURATOR! Save it for future reference.

#### DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THIS UNIT!

Make sure that the available voltage is not higher than stated on the fixture.

Always disconnect the fixture from AC power before removing its cover.

Make sure that the supply cables are not crimped or damaged by sharp edges. Check the fixture and the cables from time to time.

Do not install the fixture near an open flame.

This fixture falls under protection class I. Therefore, this fixture has to be connected to a mains socket outlet with a protective earthing connection.

Do not connect this fixture to a dimmer pack.

Keep combustible materials at least 10 cm away from the fixture.

Do not cover the fixture with cloth or other materials.

If the fixture has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation of water might damage your device. Leave the device switched off until it has reached room temperature.

The fixture was designed for outdoor use and it is intended for professional application only. It is not for house-hold use.

When choosing the installation spot, please make sure that the fixture is not exposed to extreme heat or dust.

Only operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.

Operate the fixture only after having familiarized yoursef with its functions. Do not permit operation by persons not qualified to operate the fixture. Most damages are the result of unprofessional operation!

Please consider that unauthorized modifications on the fixture are forbidden due to safety reasons!

Please use the original packaging if the fixture is to be transported.

If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the warranty becomes void. Furthermore, any other operation may lead to dangers like short-circuit, burns, electric shock etc.

## 2. Fixture description



- 1 LED output A (cable gland M16x1.5)
- 2 LED output B (cable gland M16x1.5)
- 3 Power Supply (cable gland M20x1.5)
- 4 DMX 512 IN/OUT (cable glands M12x1.5)
- 5 ETHERNET IN/OUT (cable glands M12x1.5)
- 6 Antenna
- 7 Cover fastening screws
- 8 Cover
- 9 Control panel
- 10 Ethernet terminal blocks
- 11 DMX terminal blocks LED output A
- 12 Power supply terminal blocks LED
- output A
- 13 DMX terminal blocks LED output B
- 14 Power supply terminal blocks LED output B
- 15 Power supply terminal blocks
- 16 DMX terminal blocks
- 17 Power supply PCB
- 18 Ethernet PCB

Detail view of power supply PCB (17) with terminal blocks





Note: colours of wires stated at terminal blocks LAN 1, LAN 2 on the picture above are in accordance with the standard T568-B (the pin/pair assignments for eight-conductor 100-ohm balanced twisted pair cabling).

## 3. Mounting

Fixture must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations.

## Maximum distance between the Data Configurator and the last connected ArcLine DVP Integral module (must not exceed 100 metres).

- 1. Remove the cover (8) from the Data Configurator box by unscrewing four fastening screws (7) in order to gain access to the control panel (9) and terminal blocks (10-16).
- 2. Fasten the Data Configurator on a non-flammable flat surface via four mounting holes of a diameter of 6 mm (19) in its housing.
- 3. Remove end caps (2) from cable glands before passing cables into the Data Configurator.



Note: To keep declared IP rating of the device, every cable gland has to be covered with an end cap if the cable gland is not used.

Cable glands serve for cables of the following diameters:

Cable gland M12x1.5 - for cable diameter of 3-7mm

Cable gland M16x1.5 - for cable diameter of 4.5-10mm

Cable gland M20x1.5 - for cable diameter of 7-13mm

4. Connect LED modules, DMX and power to corresponding terminal blocks according to tables below.

- 5. Check that all screws and cable glands are firmly secured.
- 6. Connect the Data Configurator to mains.
- 7. Set the Data Configurator by means of the control panel (9).

8. Disconect the Data Configurator from mains and screw the cover (8) back on the box.

#### ALWAYS DISCONNECT THE DATA CONFIGURATOR FROM MAINS BEFORE CONNECTING/DISCONNECTING LED MODULES

## This device falls under protection class I. Therefore the Data Configurator has to be connected to a mains socket outlet with a protective earthing connection

#### **Power connection**

	L	N	PE
Core (EU)	Braun	Blue	Green/yellow
Core (US)	Black	White	Green

#### **DMX** connection

D+	D-	0
Data +	Data -	Data ground (shielding)

If the 5-cored power/data cable Li9Y11Y 3xAWG16+2xAWG24 shielded and jacketed is used for ArcLine DVP connection (LED output A and B), the cores of the cable has to be connected as follows:

Core	Connection	Core	Connection
Black	Live	Red	Data +
Blue	Neutral	White	Data -
Yellow/Green	PE	Shielding	Data ground (shielding)

## 4. Data Configurator menu

The Data Configurator is equipped with 2-row LCD display and four buttons which allows to address the fixture and set the fixture's behaviour according to your needs.



The four control buttons have the following functions:

- ESCAPE button- to escape function or menu.

- ENTER button- to select a function or confirm adjusted value.

**▲**, **Y** - UP and DOWN buttons - to move within the menu.

## 4.1 DMX Addr

<u>Set DMX Address</u> - use this menu item to set the DMX start address of the fixture, which is defined as the first channel from which the Data Configurator Driver will respond to a DMX controller.

**IP address** - select this menu item to set desired IP address. IP address is the Internet protocol

address.The IP uniquely identifies any node (fixture) on a network. There cannot be 2 fixtures with the same IP address on the network!

**Default Address.** This address is derived from fixture's MAC address and cannot be changed. Confirm the item **"Set Address"** to select this address.

**Custom Address.** IP address consists of four decimal numbers, each ranging from 0 to 255, separated by dots, e.g., 172.16.254.1. Each part represents a group of 8 bits (octet) of the address. The following items **"IP Adr 1"**, **" IP Adr 2"**, **" IP Adr 3"**, **" IP Adr 4"** allow to set each

part (number) of the address. After setting desired IP address, confirm the item **"Set Address"** to save this address.

<u>Network mask</u> - select this menu item to set desired network mask. A network mask is a 32-bit mask used to divide an IP address into subnets and specify the networks available hosts. The following items "Net M.1", "Net.M.2", " Net.M.3", " Net.M.4" serve for seting of each part (number) of the net mask.

After setting desired network mask, confirm the item "Set Net M." to save adjusted values.

### 4.2 Info

Use this menu to read useful information about the fixture.

**Software version** - select this menu item to read software versions of control processors.

**IP Addr** - - **IP address. This menu item shows the current IP address (the IP address "runs" on display).** 

RDM UID - - RDM UID. Select this menu item to read the RDM UID (the RDM UID "runs" on display).

MAC Addr - - MAC Address. Select this menu item to read the MAC address (the MAC address "runs" on display).

**Boards Count** - Number of PCB connected to the LED output A (Port 1) nad B (Port 2) of the Data Configurator. The first number states number of physical LED PCBs, the second number states number of ArcLine DVP modules (if the option Line Mode is selected from the menu DMX Pres)

**<u>Temp</u>** - **Temperature**. Temperature inside the Data Configurator.

## 4.3 Personality

Use this menu to modify the Data Configurator operating behavior.

**DMX Pres** - DMX preset. Use the menu to select desired channel mode, please see the chapter DMX chart for detail description.

<u>ALL PIX Mode</u> - All pixels mode. All connected ArcLines DVP Integral behave as one pixel and they are controlled together.

**Line Mode** - Line mode. Each ArcLine DVP Integral behaves as one pixel and is controlled individually. **<u>1 IPix Mode</u>** - 1-pixel mode. Every LED multichip creates one pixel.

**<u>2 IPix Mode</u>** - 2-pixel mode. Two LED multichips create one pixel.

**<u>3 IPix Mode</u>** - 3-pixel mode. Three LED multichips create one pixel.

<u>4 IPix Mode</u> - 4-pixel mode. Four LED multichips create one pixel.

6 IPix Mode - 6-pixel mode. Six LED multichips create one pixel.

**<u>12 IPix Mode</u>** - 12-pixel mode. Twelve LED multichips create one pixel.

Examples of of modes stated above for the ArcLine DVP 600 Integral



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**DMX Input** - this menu allows you to choose desired DMX data input:

**<u>Wired</u>** - DMX signal is received by means of the standard DMX cable.

Wireless - DMX signal is received by means of the inbuilt wireless DMX module.

Wireless Out DMX- the fixture receives wireless DMX and sends the signal to its wired DMX output.

The fixture behaves as a "Wireless/Wired" adapter.

Ethernet - DMX signal is received by means of the Ethernet cable.

**<u>Ethernet Settings</u>** - use the menu item to select and set desired operating mode.

Ethernet mode - use the menu to select a protocol.

Artnet - fixture receives Artnet protocol sACN - fixture receives sACN protoco gMAI - fixture receives MANet I protocol gMAII - fixture receives MANet 2 protocol

<u>ArtNet Settings</u> - use the menu item to set parameters for ArtNet operation.

ArtNet Uni. 1 - selection of the ArtNet Universe (1-12)

Net - selection of a network (0-127)

Sub-Net - selection of a subnet (0-15).

**Universe** - selection of an Universe (0-15).

Menu items "ArtNet Uni. 1 " and "Universe" allow a "crossing of Universes".

**<u>sACN Settings</u>** - use the menu item to set parameters for sACN operation.

**<u>sACN Uni</u>** - selection of the sACN Universe (1-12). To the selected universe can be assigned universe from range of 1-63999. It allows a "crossing of Universes".

**MANet Settings** - Use this menu to set parameters for MANet operation.

**MA. Uni** - MANet I (II) universe. The value of this item can be set in range of 1-256. **MA. S. ID** - MANet I(II) session ID. The value of this item can be set in range of 1-32.

IGMP rep - Repeating time for Internet Group Management Protokol (Off, 1s-10s).

**Display Settings** - this menu allows you to change the display settings.

**Display Off Timer** - if this item is on the display will be swiched off 2 minutes after last pressing any button on the control panel.

**Display Lightness** - select this menu item to adjust the display intensity (0-100%).

Display Contrast- select this menu item to adjust contrast of the display (0-100%).

Default setting - select this option to set fixture personalities to the default (factory) values.

### 4.3 Test programs

Use the menu to run a test sequences without an external controller, which will show you some possibilities of using the Data Configurator in conjunction with LED modules.

<u>Colors</u> - runs a colour changing of all LEDs in a loop

**Pixels** - runs a pixel program in a loop (number of pixels depends on setting in the menu DMX Pres).

### 4.4 Special settings

<u>Wireless</u> - Wireless DMX information. The menu allows to read some information about Wireless DMX operation

Stat - Wireless status. Use the menu to read wireless DMX status.

Unlink - use this item to unlink the fixture from wireless DMX.

**<u>Update software</u>** - The menu item allows you to update software in the fixture via either serial or USB port of PC. The following are required in order to update software:

- PC running Windows /7/8/10 or Linux
- DMX Software Uploader
- Flash cable RS232/DMX P/N.13050624 (if you want to use a serial port of PC)
- Robe Universal Interface (if you want to use an USB port of PC)

Note: Software update should be executed by a qualified person. If you lack qualification, do not attempt the update yourself and ask for help from your Anolis distributor.

After the software updating the fixture will be set to default (factory) values.

To update software in the fixture:

- 1. DMX Software Uploader program is available from the Anolis web site at WWW.anolis.cz. Save the download file to a folder on your computer.
- 2. Extract the files in the .zip (e.g. DSU\_ArcLineOutdoorDVPintegral\_17080432.zip) file to a folder on your computer.
- 3. Disconnect the fixture from DMX controller.
- 4. If you use the flash cable RS232/DMX, connect a serial port of your computer with DMX input of the fixture by means of this cable.

If you use the Robe Universal Interface, connect a USB port of your computer with the Robe Universal Interface by means of the USB cable and DMX input of the fixture with the DMX output of the Robe Universal Interface via a DMX cable.

5. Switch the fixture to the updating mode (Special Settings-->.Software Update). Note: If you do not want to continue in the software update, you have to switch off and on the fixture to escape from the updating mode.

We recommend to cancel all running programs on your computer before starting the Software Uploader.

- 6. Double-click the software uploader file (e.g. DSU\_ArcLineOutdoorDVPintegral\_17080432.exe) in the extracted files. The Software Uploader program will start.
  - ArcLine Outdoor DVP integral Software Uploader v4.0 × File <u>H</u>elp Info Box: ANOL<mark>i</mark>s 🗟 Clear Box COM Ports T C COM 1 C COM 2 С СОМ 3 C COM 4 Robe universal interface 1 Connect 🚰 Status: Disconected Incremental Update Start Uploading Ready.
- 7. Select desired port and then click on the "Connect" button. (Select desired "COM "if serial port of your PC is used or "Robe Universal Interface" if the Robe Universal Interface is used).
  - If the connection is OK, click the "Start Uploading" button to start software uploading. It will take several minutes to perform software update.

If the option "Incremental Update" is not checked, all processors will be updated (including processors with the same software version).

If you wish to update only later versions of processors, check the "Incremental Update box". Avoid interrupting the process. Update status is being displayed in the "Info Box" window.

When the update is finished, the line with the text "The fixture is successfully updated" will appear in this window and the fixture will reset with the new software.

ArcLine Outdoor DVP integral	- 🗆	×					
<u>F</u> ile			<u>H</u> elp				
COM Ports:	Clear Box ArcLine Outdoor DVP integral						
C COM 1 C COM 2 C COM 3	Proc:01 HwVer:10 SwVer:Empty> SwVer:10 Device:ArcLine Outdoor DVP integral Proc:03 HwVer:10 SwVer:10: Flashing Processor 1 100% Processor 1 Is Successfully Updated Flashing Processor 3 100% Processor 3 Is Successfully Updated						
C COM 4 Robe universal interface 1							
Connect Status: Disconected	*** Fixture Is Successfully Updated *** Escaping Fixture From Updating Mode						
Incremental Update							
Start Uploading	4						
Ready.							

Note: : In case upload process is interrupted (e.g. power loss), the fixture stays in "Updating mode" and you will have to repeat the software update again.

## 5. DMX protocol (version 1.0)

All	Line mode	1-pixel mode	2-pixel mode	3-pixel mode	4-pixel mode	6-pixel mode	12- pixel mode	DWY					
mode								Value	Function	Type of control			
Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel						
Arcline DVP 600 Integral, Arcline DVP 900 Integral, Arcline DVP 1200 Integral													
1	1	1	1	1	1	1	1	0-255	Red LED 1 Red LED saturation control (0-100%)	proportional			
2	2	2	2	2	2	2	2	0.055	Green LED 1	nuncutional			
								0-255	Green LED saturation control (0-100%)	proportional			
3	3	3	3	3	3	3	3	0-255	Blue LED saturation control (0-100%)	proportional			
1	1	4	1	1	1	1	1	0-255	Red LED 2 Red LED saturation control (0-100%)	proportional			
2	2	5	2	2	2	2	2	0-255	Green LED 2 Green LED saturation control (0-100%)	proportional			
3	3	6	3	3	3	3	3	0-255	Blue LED 2 Blue LED saturation control (0-100%)	proportional			
1	1	7	4	1	1	1	1	0-255	Red LED 3 Red LED saturation control (0-100%)	proportional			
2	2	8	5	2	2	2	2	0-255	Green LED 3 Green LED saturation control (0-100%)	proportional			
3	3	9	6	3	3	3	3	0_255	Blue LED 3 Blue LED saturation control (0-100%)	proportional			
								0-200	Red LED 4	proportional			
1	1	10	4	4	1	1	1	0-255	Red LED saturation control (0-100%)	proportional			
2	2	11	5	5	2	2	2	0-255	Green LED 4 Green LED saturation control (0-100%)	proportional			
3	3	12	6	6	3	3	3	0-255	Blue LED 4 Blue LED saturation control (0-100%)	proportional			
1	1	13	7	4	4	1	1	0-255	Red LED 5 Red LED saturation control (0-100%)	proportional			
2	2	14	8	5	5	2	2	0-255	Green LED 5 Green LED saturation control (0-100%)	proportional			
2	2	15	0	6	6	2	2		Blue LED 5				
5	3	15	9	0	0			0-255	Blue LED saturation control (0-100%)	proportional			
1	1	16	7	4	4	1	1	0-255	Red LED saturation control (0-100%)	proportional			
2	2	17	8	5	5	2	2	0-255	Green LED 6 Green LED saturation control (0-100%)	proportional			
3	3	18	9	6	6	3	3	0-255	Blue LED 6 Blue LED saturation control (0-100%)	proportional			
1	1	19	10	7	4	4	1		Red LED 7				
· · ·								0-255	Red LED saturation control (0-100%)	proportional			
2	2	20	11	8	5	5	2	0-255	Green LED 7 Green LED saturation control (0-100%)	proportional			
3	3	21	12	9	6	6	3	0-255	Blue LED 7 Blue LED saturation control (0-100%)	proportional			
1	1	22	10	7	4	4	1	0-255	Red LED 8 Red LED saturation control (0-100%)	proportional			
2	2	23	11	8	5	5	2	0-255	Green LED 8 Green LED saturation control (0-100%)	proportional			
3	3	24	12	9	6	6	3	0-255	Blue LED 8 Blue LED saturation control (0-100%)	proportional			
1	1	25	13	7	7	4	1	0.255	Red LED 9 Red LED saturation control (0, 100%)	proportional			
2	2	26	14	8	8	5	2	0.055	Green LED 9	proportional			
3	3	27	15	q		6	3	0-255	Blue LED 9	μισροπιοπαι			
								0-255	Blue LED saturation control (0-100%)	proportional			
1	1	28	13	10	7	4	1	0-255	Red LED to Red LED saturation control (0-100%)	proportional			
2	2	29	14	11	8	5	2	0-255	Green LED 10 Green LED saturation control (0-100%)	proportional			

All pixels mode	Line mode	1-pixel mode	2-pixel mode	3-pixel mode	4-pixel mode	6-pixel mode	12- pixel mode	DMX	Function	Type of control
Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel	Value		
3	3	30	15	12	9	6	3	0-255	Blue LED 10 Blue LED saturation control (0-100%)	proportional
1	1	31	16	10	7	4	1	0-255	Red LED 11 Red LED saturation control (0-100%)	proportional
2	2	32	17	11	8	5	2	0-255	Green LED 11 Green LED saturation control (0-100%)	proportional
3	3	33	18	12	9	6	3	0-255	Blue LED 11 Blue LED saturation control (0-100%)	proportional
1	1	34	16	10	7	4	4	0-255	Red LED 12 Red LED saturation control (0-100%)	proportional
2	2	35	17	11	8	5	5	0-255	Green LED 12 Green LED saturation control (0-100%)	proportional
3	3	36	18	12	9	6	6	0-255	Blue LED 12 Blue LED saturation control (0-100%)	proportional
1	1	37	19	13	10	7	4	0-255	Red LED 13 Red LED saturation control (0-100%)	proportional
2	2	38	20	14	11	8	5	0-255	Green LED 13 Green LED saturation control (0-100%)	proportional
3	3	39	21	15	12	9	6	0-255	Blue LED 13 Blue LED saturation control (0-100%)	proportional
1	1	40	19	13	10	7	4	0-255	Red LED 14 Red LED saturation control (0-100%)	proportional
2	2	41	20	14	11	8	5	0-255	Green LED 14 Green LED saturation control (0-100%)	proportional
3	3	42	21	15	12	9	6	0-255	Blue LED 14 Blue LED saturation control (0-100%)	proportional
1	1	43	22	13	10	7	4	0-255	Red LED 15 Red LED saturation control (0-100%)	proportional
2	2	44	23	14	11	8	5	0-255	Green LED 15 Green LED saturation control (0-100%)	proportional
3	3	45	24	15	12	9	6	0-255	Blue LED 15 Blue LED saturation control (0-100%)	proportional
1	1	46	22	16	10	7	4	0-255	Red LED 16 Red LED saturation control (0-100%)	proportional
2	2	47	23	17	11	8	5	0-255	Green LED 16 Green LED saturation control (0-100%)	proportional
3	3	48	24	18	12	9	6	0-255	Blue LED 16 Blue LED saturation control (0-100%)	proportional
1	1	49	25	16	13	7	4	0-255	Red LED 17 Red LED saturation control (0-100%)	proportional
2	2	50	26	17	14	8	5	0-255	Green LED 17 Green LED saturation control (0-100%)	proportional
3	3	51	27	18	15	9	6	0-255	Blue LED 17 Blue LED saturation control (0-100%)	proportional
1	1	52	25	16	13	7	4	0-255	Red LED 18 Red LED saturation control (0-100%)	proportional
2	2	53	26	17	14	8	5	0-255	Green LED 18 Green LED saturation control (0-100%)	proportional
3	3	54	27	18	15	9	6	0-255	Blue LED 18 Blue LED saturation control (0-100%)	proportional
1	1	55	28	19	13	10	4	0-255	Red LED 19 Red LED saturation control (0-100%)	proportional
2	2	56	29	20	14	11	5	0-255	Green LED 19 Green LED saturation control (0-100%)	proportional
3	3	57	30	21	15	12	6	0-255	Blue LED 19 Blue LED saturation control (0-100%)	proportional
1	1	58	28	19	13	10	4	0-255	Red LED 20 Red LED saturation control (0-100%)	proportional
2	2	59	29	20	14	11	5	0-255	Green LED 20 Green LED saturation control (0-100%)	proportional

All pixels	Line mode	1-pixel mode	2-pixel mode	3-pixel mode	4-pixel mode	6-pixel mode	12- pixel mode	DMX	Function	Type of control
Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel	value		
3	3	60	30	21	15	12	6	0-255	Blue LED 20 Blue LED saturation control (0-100%)	proportional
1	1	61	31	19	16	10	4	0-255	Red LED 21 Red LED saturation control (0-100%)	proportional
2	2	62	32	20	17	11	5	0-255	Green LED 21 Green LED saturation control (0-100%)	proportional
3	3	63	33	21	18	12	6	0-255	Blue LED 21 Blue LED saturation control (0-100%)	proportional
1	1	64	31	22	16	10	4	0-255	Red LED 22 Red LED saturation control (0-100%)	proportional
2	2	65	32	23	17	11	5	0-255	Green LED 22 Green LED saturation control (0-100%)	proportional
3	3	66	33	24	18	12	6	0-255	Blue LED 22 Blue LED saturation control (0-100%)	proportional
1	1	67	34	22	16	10	4	0-255	Red LED 23 Red LED saturation control (0-100%)	proportional
2	2	68	35	23	17	11	5	0-255	Green LED 23 Green LED saturation control (0-100%)	proportional
3	3	69	36	24	18	12	6	0-255	Blue LED 23 Blue LED saturation control (0-100%)	proportional
1	1	70	34	22	16	10	4	0-255	Red LED 24 Red LED saturation control (0-100%)	proportional
2	2	71	35	23	17	11	5	0-255	Green LED 24 Green LED saturation control (0-100%)	proportional
3	3	72	36	24	18	12	6	0-255	Blue LED 24 Blue LED saturation control (0-100%)	proportional
				Arcline D	VP 900	Integral,	Arcline I	DVP 1200	) Integral	ι
1	1	73	37	25	19	13	7		Red LED 25	
								0-255	Red LED saturation control (0-100%)	proportional
2	2	74	38	26	20	14	8	0-255	Green LED 25 Green LED saturation control (0-100%)	proportional
3	3	75	39	27	21	15	9	0-255	Blue LED 25 Blue LED saturation control (0-100%)	proportional
1	1	76	37	25	19	13	7	0-255	Red LED 26 Red LED saturation control (0-100%)	proportional
2	2	77	38	26	20	14	8	0-255	Green LED 26 Green LED saturation control (0-100%)	proportional
3	3	78	39	27	21	15	9	0-255	Blue LED 26 Blue LED saturation control (0-100%)	proportional
1	1	79	40	25	19	13	7	0-255	Red LED 27 Red LED saturation control (0-100%)	proportional
2	2	80	41	26	20	14	8	0-255	Green LED 27 Green LED saturation control (0-100%)	proportional
3	3	81	42	27	21	15	9	0-255	Blue LED 27 Blue LED saturation control (0-100%)	proportional
1	1	82	40	28	19	13	7	0-255	Red LED 28 Red LED saturation control (0-100%)	proportional
2	2	83	41	29	20	14	8	0-255	Green LED 28 Green LED saturation control (0-100%)	proportional
3	3	84	42	30	21	15	9	0-255	Blue LED 28 Blue LED saturation control (0-100%)	proportional
1	1	85	43	28	22	13	7	0-255	Red LED 29 Red LED saturation control (0-100%)	proportional
2	2	86	44	29	23	14	8	0-255	Green LED 29 Green LED saturation control (0-100%)	proportional
3	3	87	45	30	24	15	9	0-255	Blue LED 29 Blue LED saturation control (0-100%)	proportional
1	1	88	43	28	22	13	7	0-255	Red LED 30 Red LED saturation control (0-100%)	proportional

All pixels	Line mode	1-pixel mode	2-pixel mode	3-pixel mode	4-pixel mode	6-pixel mode	12- pixel mode	DMX	Function	Type of control
mode Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel	Value		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
2	2	89	44	29	23	14	8	0.255	Green LED 30	proportional
			45	20		45		0-255	Blue LED 30	proportional
3	3	90	45	30	24	15	9	0-255	Blue LED saturation control (0-100%)	proportional
1	1	91	46	31	22	16	7	0-255	Red LED 31 Red LED saturation control (0-100%)	proportional
2	2	92	47	32	23	17	8	0.055	Green LED 31	
								0-255	Blue LED 31	proportional
3	3	93	48	33	24	18	9	0-255	Blue LED saturation control (0-100%)	proportional
1	1	94	46	31	22	16	7	0-255	Red LED 32 Red LED saturation control (0-100%)	proportional
2	2	95	47	32	23	17	8	0.055	Green LED 32	nunnational
								0-255	Blue LED 32	proportional
3	3	96	48	33	24	18	9	0-255	Blue LED saturation control (0-100%)	proportional
1	1	97	49	31	25	16	7	0-255	Red LED 33 Red LED saturation control (0-100%)	proportional
2	2	98	50	32	26	17	8	0.055	Green LED 33	
								0-255	Green LED saturation control (0-100%) Blue LED 33	proportional
3	3	99	51	33	27	18	9	0-255	Blue LED saturation control (0-100%)	proportional
1	1	100	49	34	25	16	7	0-255	Red LED 34 Red LED saturation control (0-100%)	proportional
2	2	101	50	35	26	17	8		Green LED 34	
								0-255	Green LED saturation control (0-100%)	proportional
3	3	102	51	36	27	18	9	0-255	Blue LED saturation control (0-100%)	proportional
1	1	103	52	34	25	16	7	0-255	Red LED 35 Red LED saturation control (0-100%)	proportional
2	2	104	53	35	26	17	8		Green LED 35	F F
-	_							0-255	Green LED saturation control (0-100%)	proportional
3	3	105	54	36	27	18	9	0-255	Blue LED saturation control (0-100%)	proportional
1	1	106	52	34	25	16	7	0-255	Red LED 36 Red LED saturation control (0-100%)	proportional
2	2	107	53	35	26	17	8		Green LED 36	F F
_	-							0-255	Green LED saturation control (0-100%)	proportional
3	3	108	54	36	27	18	9	0-255	Blue LED saturation control (0-100%)	proportional
				1	Arcli	ine DVP	1200 Int	egral		
1	1	109	55	37	28	19	10	0-255	Red LED 37 Red LED saturation control (0-100%)	proportional
2	2	110	56	38	29	20	11		Green LED 37	
								0-255	Green LED saturation control (0-100%) Blue LED 37	proportional
3	3	111	57	39	30	21	12	0-255	Blue LED saturation control (0-100%)	proportional
1	1	112	55	37	28	19	10	0-255	Red LED 38 Red LED saturation control (0-100%)	proportional
2	2	113	56	38	29	20	11		Green LED 38	
								0-255	Green LED saturation control (0-100%) Blue LED 38	proportional
3	3	114	57	39	30	21	12	0-255	Blue LED saturation control (0-100%)	proportional
1	1	115	58	37	28	19	10	0-255	Red LED 39 Red LED saturation control (0-100%)	proportional
2	2	116	59	38	29	20	11	0.055	Green LED 39	properties
								0-255	Blue LED 39	proportional
3	3	117	60	39	30	21	12	0-255	Blue LED saturation control (0-100%)	proportional
1	1	118	58	40	28	19	10	0-255	Red LED saturation control (0-100%)	proportional

All pixels mode	Line mode	1-pixel mode	2-pixel mode	3-pixel mode	4-pixel mode	6-pixel mode	12- pixel mode	DMX Value	Function	Type of control
Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel			
2	2	119	59	41	29	20	11		Green LED 40	
		110			23	20		0-255	Green LED saturation control (0-100%)	proportional
3	3	120	60	42	30	21	12		Blue LED 40	
								0-255	Blue LED saturation control (0-100%)	proportional
1	1	121	61	40	31	19	10	0-255	Red LED 41 Red LED saturation control (0-100%)	proportional
2	2	122	62	41	32	20	11	0-255	Green LED 41 Green LED saturation control (0-100%)	proportional
3	3	123	63	42	33	21	12	0-255	Blue LED 41 Blue LED saturation control (0-100%)	proportional
								0 200	Red LED 42	proportional
1	1	124	61	40	31	19	10	0-255	Red LED saturation control (0-100%)	proportional
		105							Green LED 42	
2	2	125	62	41	32	20	11	0-255	Green LED saturation control (0-100%)	proportional
3	3	126	63	42	33	21	12		Blue LED 42	
	Ŭ	120	00	72		21	12	0-255	Blue LED saturation control (0-100%)	proportional
1	1	127	64	43	31	22	10		Red LED 43	
								0-255	Red LED saturation control (0-100%)	proportional
2	2	128	65	44	32	23	11	0.255	Green LED 43	proportional
								0-255	Rive LED 43	proportional
3	3	129	66	45	33	24	12	0-255	Blue LED 43 Blue LED saturation control (0-100%)	proportional
									Red LED 44	
1	1	130	64	43	31	22	10	0-255	Red LED saturation control (0-100%)	proportional
2	2	131	65	44	32	23	11		Green LED 44	
2	2	131	05	44	52	23		0-255	Green LED saturation control (0-100%)	proportional
3	3	132	66	45	33	24	12		Blue LED 44	
								0-255	Blue LED saturation control (0-100%)	proportional
1	1	133	67	43	34	22	10	0.055	Red LED 45	nunantional
								0-255	Croop LED 45	proportional
2	2	134	68	44	35	23	11	0-255	Green LED saturation control (0-100%)	proportional
									Blue LED 45	
3	3	135	69	45	36	24	12	0-255	Blue LED saturation control (0-100%)	proportional
4		100	67	46	24	22	10		Red LED 46	
	,	130	07	40	34		10	0-255	Red LED saturation control (0-100%)	proportional
2	2	137	68	47	35	23	11		Green LED 46	
								0-255	Green LED saturation control (0-100%)	proportional
3	3	138	69	48	36	24	12	0.055	Blue LED 46	
								0-255	Blue LED saturation control (0-100%)	proportional
1	1	139	70	46	34	22	10	0-255	Red LED 47 Red LED saturation control (0-100%)	proportional
								0-200	Green LED 47	proportional
2	2	140	71	47	35	23	11	0-255	Green LED saturation control (0-100%)	proportional
									Blue LED 47	
3	3	141	72	48	36	24	12	0-255	Blue LED saturation control (0-100%)	proportional
1	1	1/12	70	16	34	22	10		Red LED 48	
	<u> </u>	142	,,,	40	54		10	0-255	Red LED saturation control (0-100%)	proportional
2	2	143	71	47	35	23	11		Green LED 48	
			· ·	· ·				0-255	Green LED saturation control (0-100%)	proportional
3	3	144	72	48	36	24	12	0-255	Blue LED 48 Blue LED saturation control (0-100%)	proportional

## 6. Technical specifications

Input voltage: Max. power consumption: Max. load: Control: Supported protocols: Total max. load: Optional accessory: Connection: 100-277V AC; 50-60Hz 1600W 1600W (LED output A + LED output B) 2-row LCD display & 4 buttons USITT DMX 512, ArtNet, RDM 40 x ArcLine Outdoor DVP Wireless DMX

DMX: terminal block Sauro MTB03008 LED module supply: terminal block Phoenix MKDS 5HV/3-9.52 LED module DMX: terminal block Sauro MTB03008 Power: terminal block Phoenix MKDS 5HV/3-9.52 Ethernet: terminal block Sauro MTB03008 -20/+40°C (-4°F / +104°F) CE: IP66 US: Suitable for wet locations IK10 2.9 kg (6.4 lbs)

Operating ambient temperature range: Protection factor:

IK rating: Weight:

Dimensions mm [inch]





#### Included items

- 1 x Data Configurator
- 1 x Lead Cable Data Configurator-to-ArcLine DVP, 5m (P/N 13052657)
- 1 x User manual

## 7. Disposing of the product

To preserve the environment please dispose or recycle this product at the end of its life according to the local regulations and codes.