Anolis 5 Side 4 Wireless DMX LED Light User Manual

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QR code for user manual

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

This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure safe operation, it is absolutely necessary for the user to follow the safety instructions and warnings written in this manual.

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

Unauthorized modification will void warranty

Contents

Safety instructions

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

This fixture should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied, consult your authorized distributor or local power company.

Always disconnect the fixture from AC power before cleaning, servicing or installing.

Make sure the data/power cable is not damaged by sharp edges. Check the fixture and the power cord from time to time.

Do not install the unit near an open flame.

During operation the housing becomes hot.

Refer servicing to qualified service personnel.

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.

LED light emission. Risk of eye injury. Do not look into the beam from a short distance without suitable protective eyewear. Do not look at LEDs with magnifiers or similar optical instruments that may concentrate the light output.

The fixture was designed for outdoor use. This fixture must not be used for underwater installation.

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

Avoid using the unit in locations subject to possible impacts.

The fixture body never must be covered with cloth or other materials when the fixture is under operation.

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

The fixture becomes hot during operation. Allow the fixture to cool approximately 30 minutes prior to servicing or maintenance.

Operate the fixture only after having familiarized yourself 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.

The product (covers and cables) must not be exposed to a high frequency electromagnetic field higher than 3V/m.

Immunity of the equipment is designed according to the standard EN 55035 Electromagnetic compatibility of multimedia equipment – Immunity requirements

Emission of the equipment complies with the standard EN55032 Electromagnetic compatibility of multimedia equipment – Emission Requirements according to class B.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

The [Device] wireless operation is safe and complies to RF Exposure requirements.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

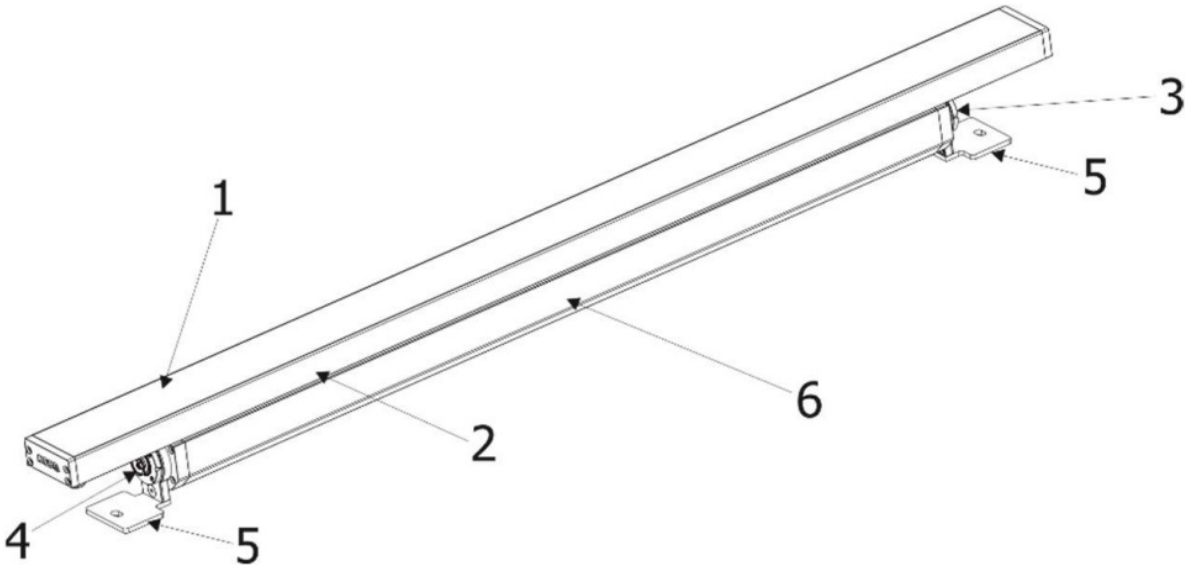
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning for fixtures with Harsh Environment Finish (HEF):

- Handle with care!
- Avoid any damage to the painted surface.
- Damaging the paint may result in corrosion and loss of warranty.

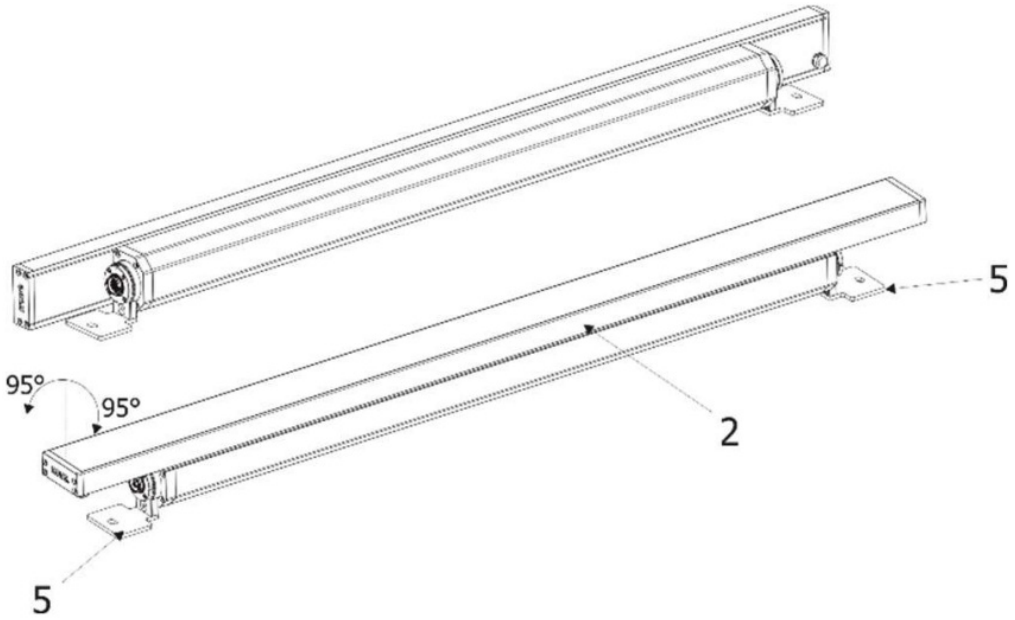
Fixture exterior view



1. Transparent glass cover
2. LED module
3. Output connector
4. Input connector
5. Mounting brackets
6. Aluminium base

Installation

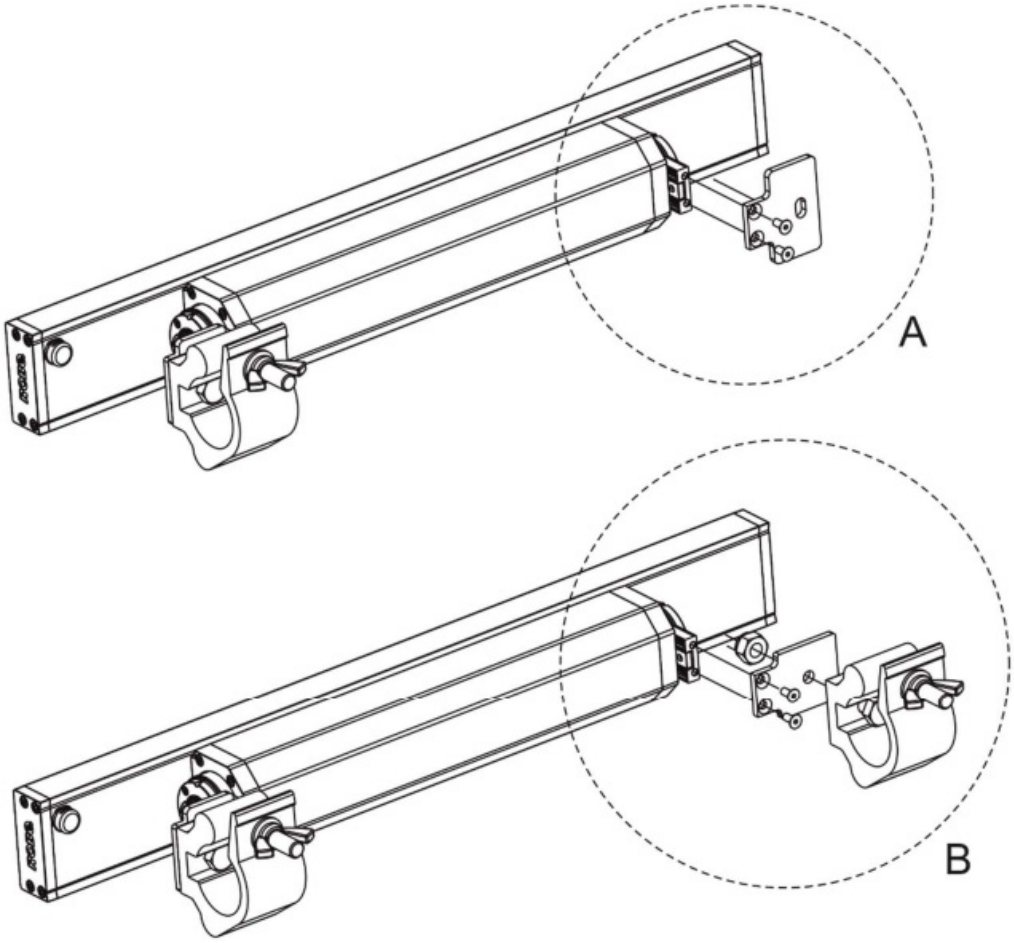
Mounting the fixture
The Eminere can be arranged in any orientation on a flat, non-flammable surface by means of two mounting brackets (5), the LED module (2) can be tilted (+95°/-95°) to get access to mounting brackets (5).

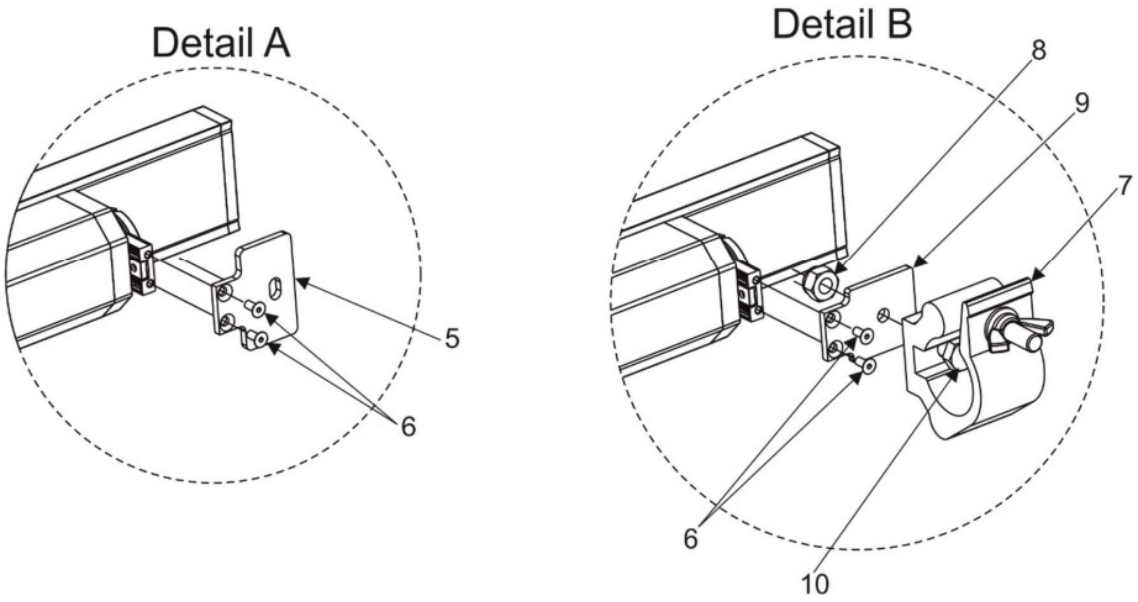


Ensure that the structure to which you are attaching the unit is secure.

C-clamps installation

1. Remove the mounting bracket (5) from fixture housing by unscrewing two screws (6).
2. Screw the new mounting bracket (9) to the fixture housing by means of two screws (6).
3. Screw the clamp (7) to the mounting bracket by means of the bolt M12x30 (10) with nuts M12 (8).





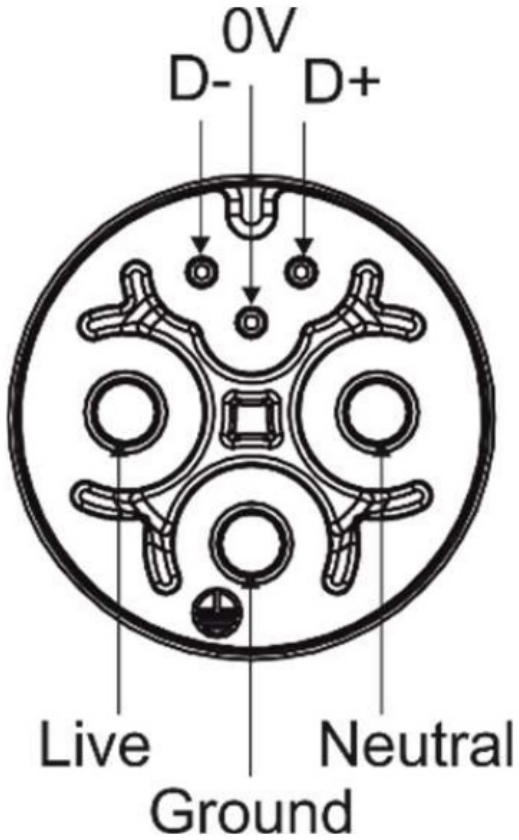
Connection to mains

The unit must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations.
This device falls under class one and must be grounded!

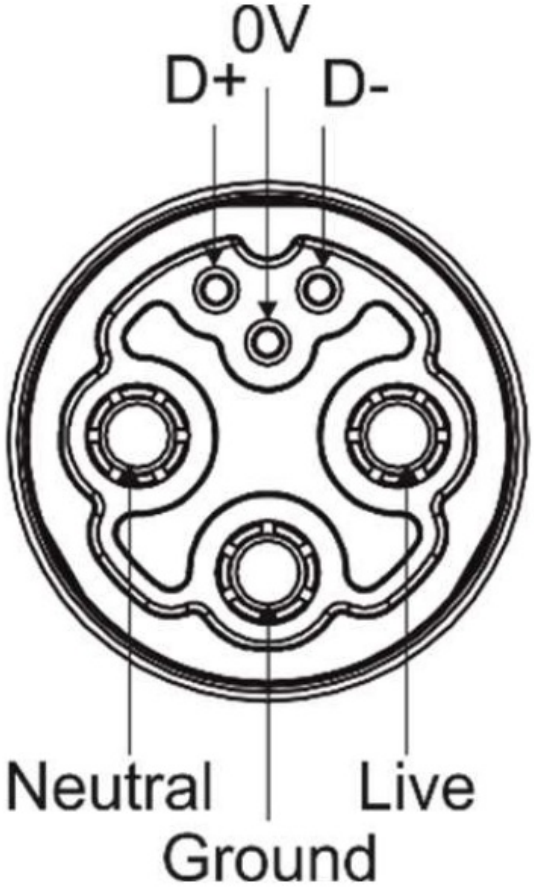
The Eminere is equipped with auto-switching power supply that automatically adjusts to any 50/60Hz AC power source from 120-277 Volts.

The following wiring of the input/output connectors applies to the fixtures marked X on their labels only. Older versions of the Emineres have swapped D- and D+ and do not have mark X on their labels.

Input – panel connector (front view)



Output – panel connector (front view)

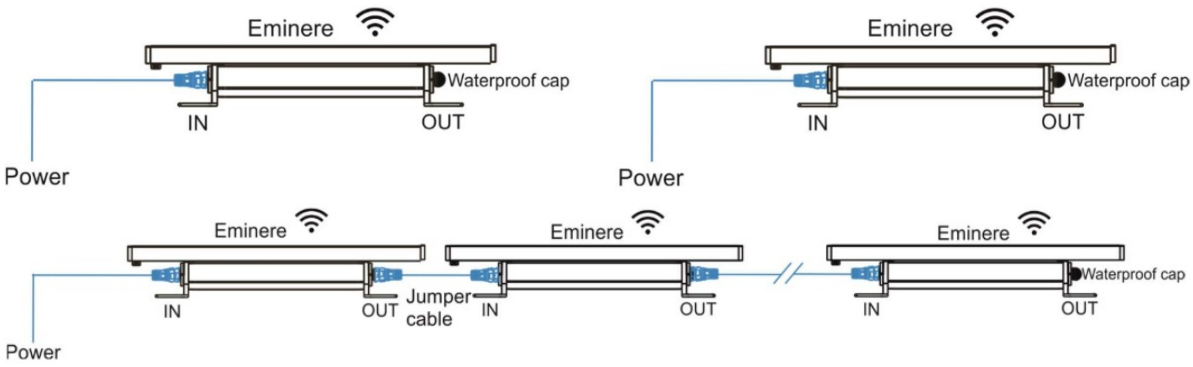


Fixture´s Am phenol connectors are dust and water protected according to IP 67 by mating with related Am phenol connectors.
They cannot stay disconnected outdoor.
The output panel connector at last fixture in the Eminences chain has to always be covered with the water-tight cap to keep declared IP rating.

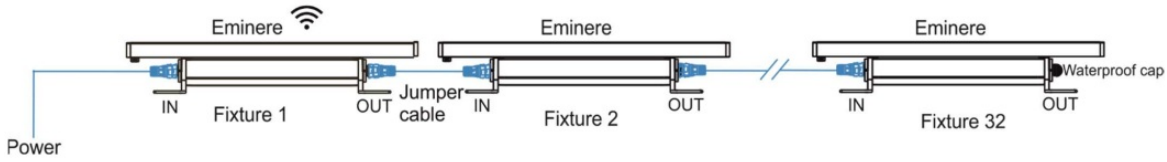
Do not connect (disconnect) Emineres to the Booster box and each other when they are under voltage!

Direct visibility between a transmitter and the Eminere Wireless DMX must be ensured without no obstacles (bildings, trees,….).
Distance between a DMX transmitter and the Eminere Wireless DMX depends on transmission range of used DMX transmitter, surrounds etc (we recommend to test behaviour of DMX transmitter with the Eminere Wireless DMX before installation).

Examples of connection



Wireless DMX to wire DMX



The Eminem can be only linked to a transmitter by running the link procedure at DMX transmitter .
The Eminem can be unlined from the transmitter by running the link procedure at DMX transmitter or by switching off/on the Eminem three times while the transmitter is switched off.

During off/on unlink procedure, the Eminere has to be switched on for 5 seconds in steps 1-3:
Step 1: Eminere Off, Eminere On (5seconds)
Step 2: Eminere Off, Eminere On (5seconds)
Step 3: Eminem Off, Eminem On (5seconds)
Step 4: Eminem Off, Eminem On

Successful link is signalized by flashing LEDs at fourth switching the Eminem Off and On. If the LEDs flashing will not appear, probably the 5 seconds period has not been kept and you have to repeat the Off/On procedure to link the fixture from the DMX transmitter .

DMX addressing of connected Eminences has to be done manually by means of the Robe Universal Interface WTX and the software RDM Manager.

The tables below state max. theoretical number of Eminences connected in series without Booster boxes.

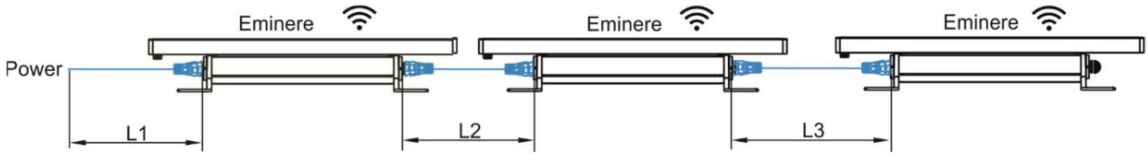
EMINERE 2 wireless DMX	Voltage			
Cable length *	**120V**	**190V**	**230V**	**277V**
10 m	32	32	32	32
20 m	32	32	32	32
30 m	28	32	32	32
50 m	17	32	32	32
70 m	12	31	32	32
100 m	9	21	32	32

EMINERE 3 wireless DMX	Voltage			
Cable length *	**120V**	**190V**	**230V**	**277V**
10 m	28	32	32	32
20 m	28	32	32	32
30 m	19	32	32	32
50 m	12	29	32	32
70 m	8	21	31	32
100 m	6	15	21	31

EMINERE 4 wireless DMX	Voltage			
Cable length *	**120V**	**190V**	**230V**	**277V**
10 m	21	32	32	32
20 m	21	32	32	32
30 m	15	32	32	32
50 m	9	22	32	32
70 m	6	16	23	32
100 m	4	11	16	23

* Cable length is a total cable length among connected Eminences Side including power cable of the first Eminem Side.

Example: Total cable length=L1+L2+L3.



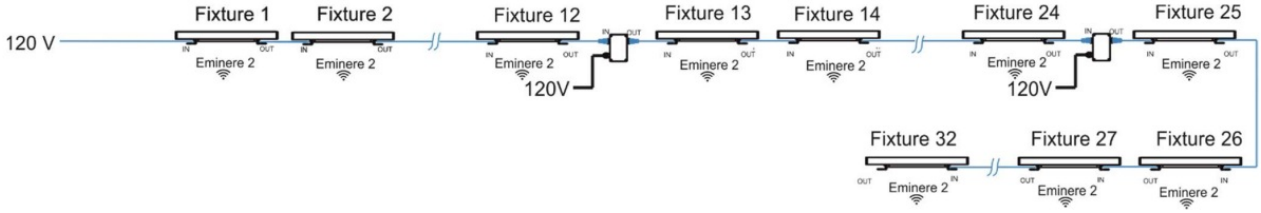
The Booster box
To compensate a voltage drop in a large installation, the Booster boxes have to be connected in the chain of Eminences.
The following tables give numbers of Eminences after which the Booster box has to be installed in the chain of Eminences.

EMINERE 2Wireless DMX	**Max. possible number of Emineres 2 Wireless DMX = 32**			
	Voltage			
Cable length	**120V**	**190V**	**230V**	**277V**
10 m	–	–	–	–
20 m	–	–	–	–
30 m	28	–	–	–
50 m	17	–	–	–
70 m	12,24,	31	–	–
100 m	9,18	21	31	

EMINERE 3Wireless DMX	**Max. possible number of Emineres 3 Wireless DMX = 32**			
	Voltage			
Cable length	**120V**	**190V**	**230V**	**277V**
10 m	28	–	–	–
20 m	28	–	–	–
30 m	19	–	–	–
50 m	12,24	29	–	–
70 m	8,16,24	21	31.	–
100 m	6,12,18,24,30	15,30	21	31

EMINERE 4Wireless DMX	Max. possible number of Emineres 4 Wireless DMX = 32			
	Voltage			
Cable length	120V	190V	230V	277V
10 m	21	–	–	–
20 m	21	–	–	–
30 m	15,30	–	–	–
50 m	9,18,27	22	–	–
70 m	6,12,18,24,30	16	23	–
100 m	4,8,12,16,20,24,28	11,22	16	23

Example: E-box Daisy, Power supply= 120V, Cable length=70m, fixture=Eminere 2 wireless DMX The Booster box has to be connected after every 12th Eminere 2 wireless DMX (fixture 12 and fixture 24) from 32 fixtures.

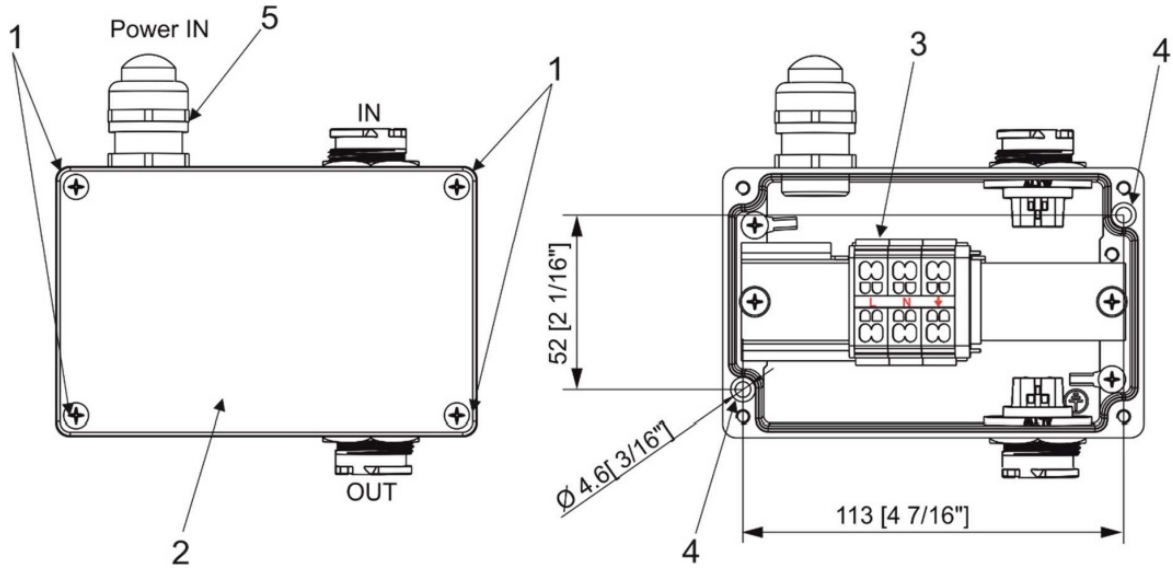


The Booster box installation

ALWAYS DISCONNECT THE EMINERES FROM MAINS BEFORE CONNECTING/DISCONNECTING THE BOOSTER BOX.

The Booster box falls under protection class I. Therefore, every Booster box has to be connected to a mains socket outlet with a protective earthing connection.

1. Unscrew the four screws (1) from the cover (2) on the Booster box to get access to the terminal block (3) and two mounting holes of diameter of 4.6 mm (4).
2. Screw the Booster box on a non-flammable flat surface and connect cables



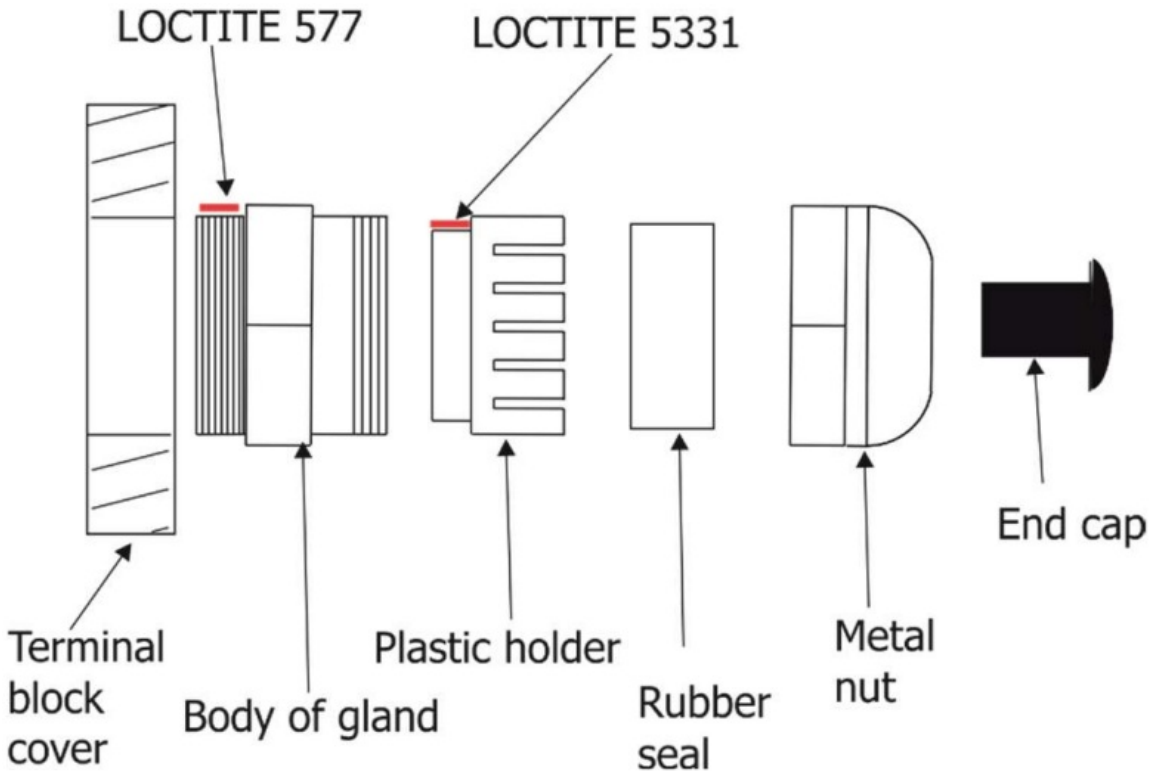
The Cable gland M20x1.5 for Power IN (5) is intended for a cable of a diameter of 7-13mm. Remove the end cap from the cable gland before passing the cable.

Power connection

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

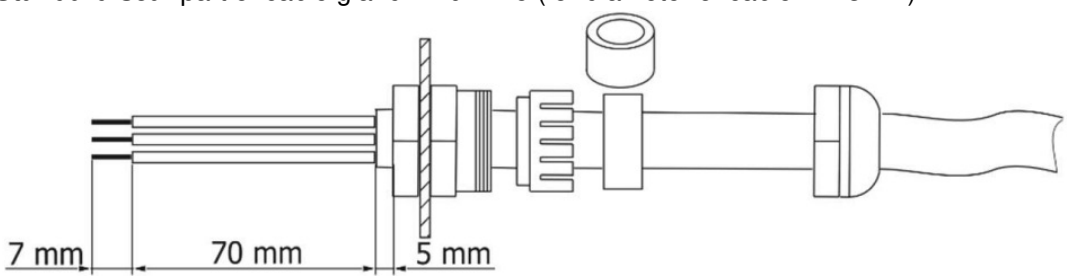
We recommend to apply an adequate layer of the paste LOCTITE 5331 on the plastic holder of the cable gland before inserting it into the body of the gland and an adequate layer of the paste LOCTITE 577 on the thread of the gland body in case of unscrewing the cable gland from the housing of the buster box and repeatedly screwing it back to the housing .

Cable gland M20 MS:

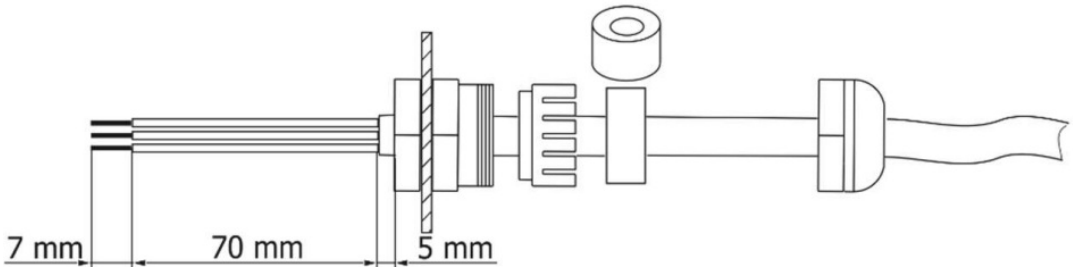


The cable gland M20 MS with a standard seal serves for a cable of diameter of 6-12mm, for smaller diameter of cable (4-8mm) you have to remove the original seal from the cable gland M20 and use the enclosed reducing seal instead of it. The reducing seal for diameter of cable 4-8mm (P/N 13051388) is enclosed in the Booster box.

Standard seal part of cable gland M20 x 1.5 (for diameter of cable: 7-13mm)



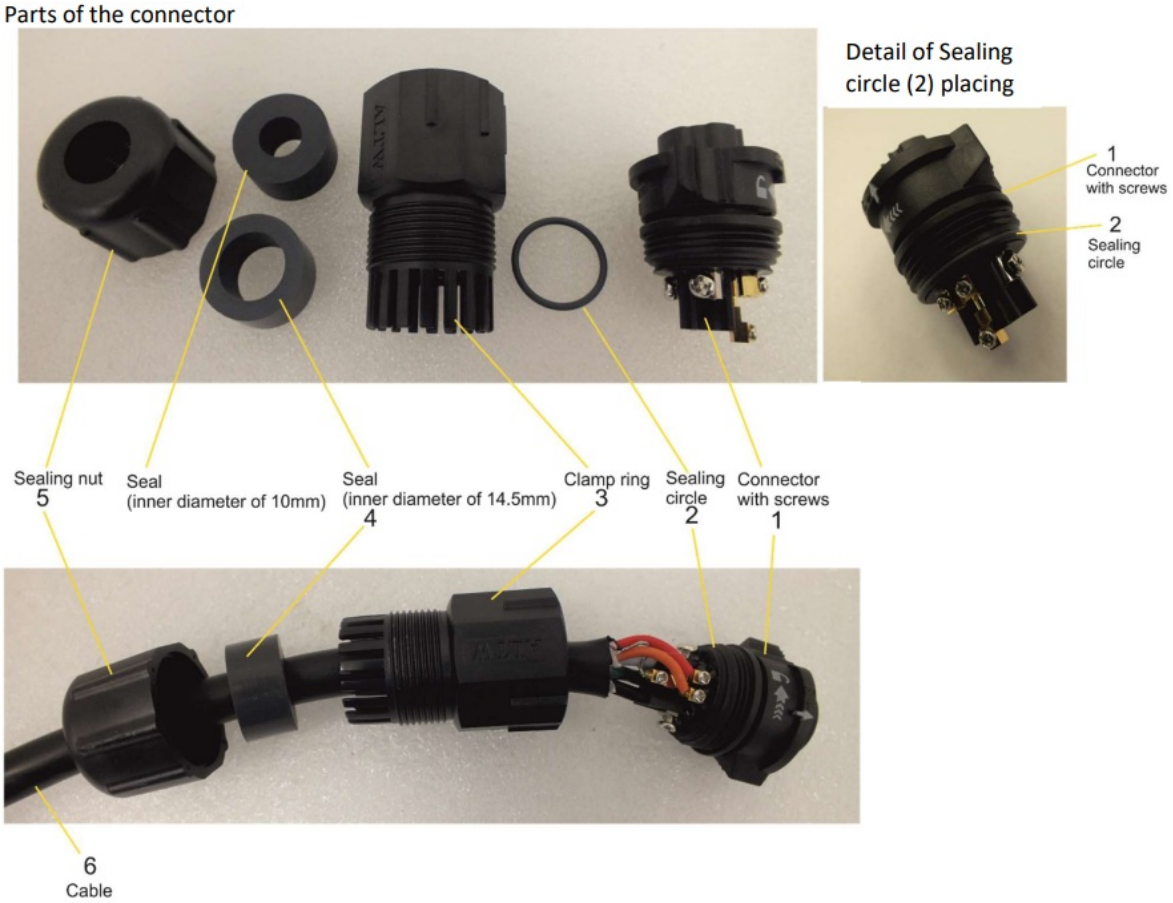
Reducing seal (P/N 13051388) enclosed, standard seal has to be removed before installing this seal (for diameter of cable: 4-8mm)



Screw the cover (2) back on the Booster box.

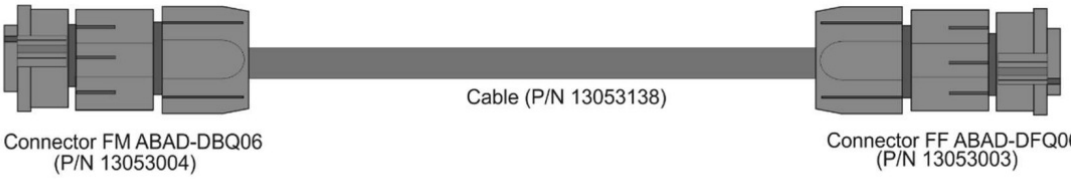
Jumper cable assembling

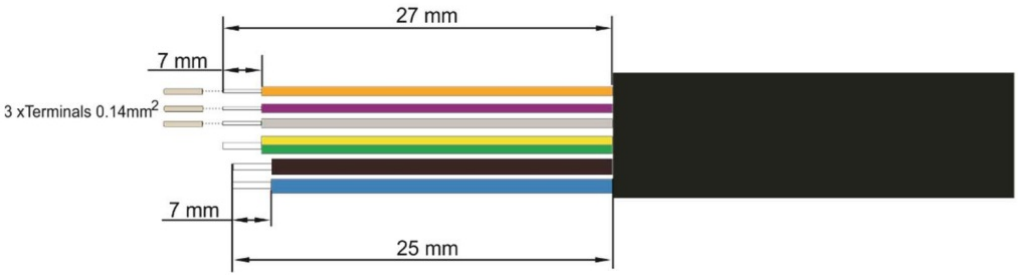
1. Dismantle the connector and slide its parts onto the cable (6).
   Use the seal with inner diameter of 14.5 mm for the Anolis cable (P/N 13053138 or P/N 13053139).
   The seal with inner diameter of 14.5 mm serves for cable of diameter 10-14.5mm.
   The seal with inner diameter of 10 mm serves for cable of diameter 8-10mm.



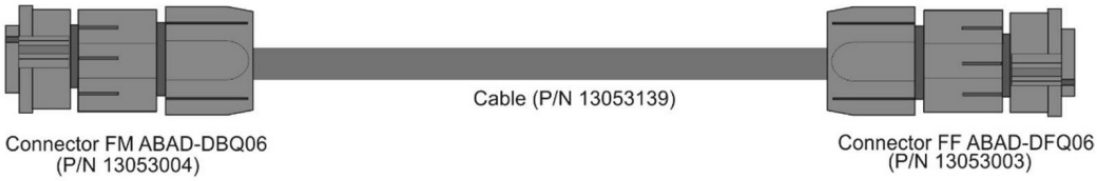
2. Put the seiling circle (2) on the connector with screws (1)
3. Remove insulation from the cable (6) and from individual wires and fasten three terminals on data wires.

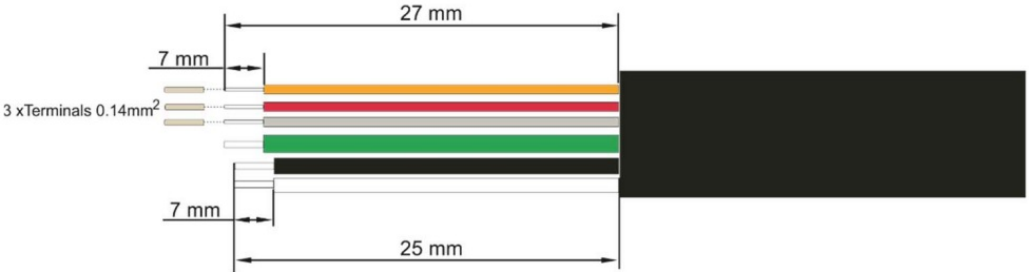
CE version





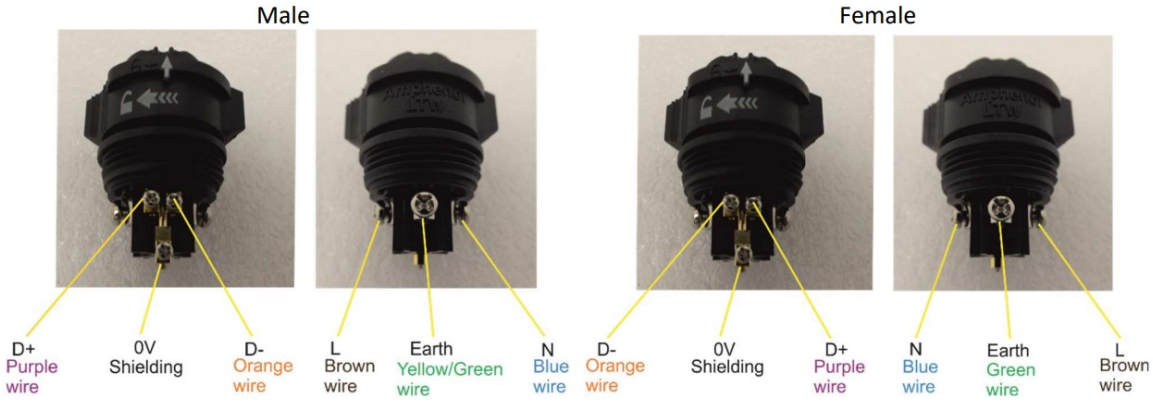
CE version



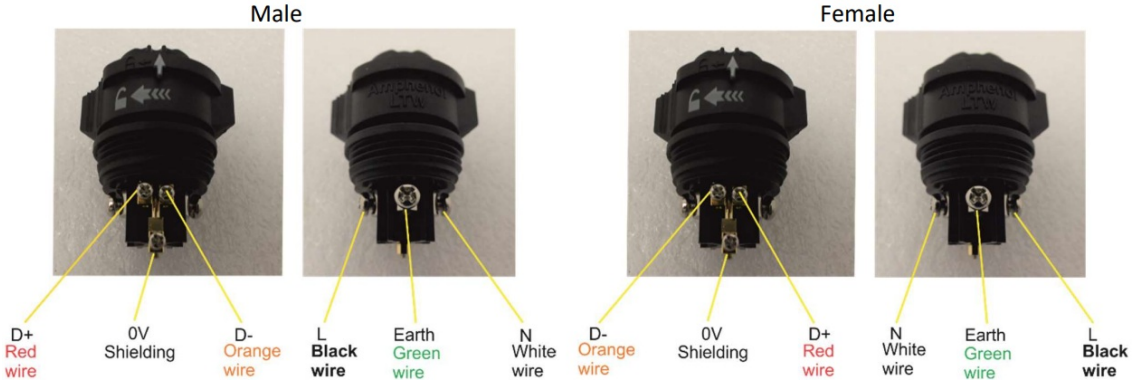


4. Put parts of the connector on the cable (6) and connect wires to the connector. First connect power wires (L,N, Earth) and after that data wires (D+, D-, 0V). Avoid excessive torsion of data wires!

CE version

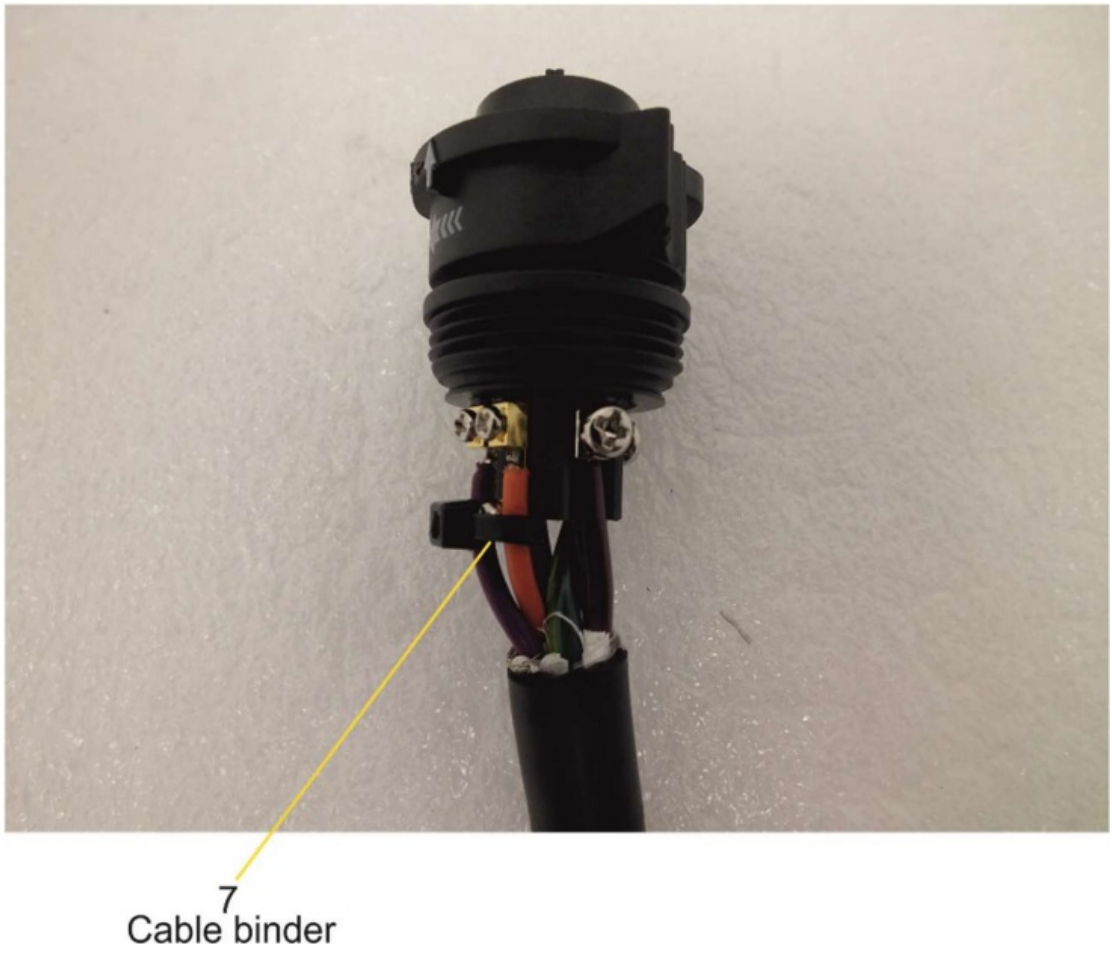


US version



5. After connecting wires to the connector, tighten the three data wires (D+,D-, 0V) by means of the cable binder

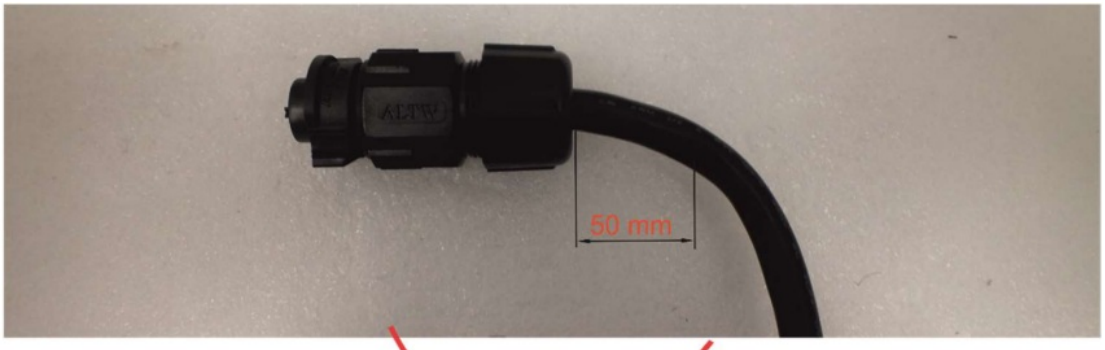
(7).



6. Screw the clamp ring (3) to the connector (1), insert the seal (4) to the clamp ring (3) and tighten the sealing nut (5) enough. During the steps DO NOT TWIST the cable (6).
7. Use the same procedure to assemble the connector on the second end of the cable.

IMPORTANT

Do not bend the cable near to the connector, minimum distance for bending is 50mm.



Example of Control panel in RDM manager

The software RDM manager is available on the ROBE website (**https://www.robe.cz/support**), product RUNIT WTX

Green arrow saves changes made in the Control panel to the Eminere.

Manufacturer PIDs
Wireless unlink – the item allows you to unlink the Eminere from a DMX transmitter.

LED calibration 4byte HEX! (RGBW/RGBA) – the item shows 4 bytes of calibration values for calibrated white colours of RGBW(RGBA) Eminere. E.g.

CTC channel has to be set to some calibrated white colour (21 DMX-1800K, 66 DMX-2700K, 91 DMX-3200K, 141 DMX-4200K, 211 DMX-5600K, 255 DMX-6500K) otherwise the item shows values “ff ff ff ff” (and calibration values cannot be saved to the Eminere).

Warning!
Changing and saving values in this item will effect calibrated white colour(s) of the Eminere .

Insect friendly light – the item effects RGBA Eminere only. If the item is on, blue colour is not used in calibrated white colours. This modification of white lights results in a smaller attraction of white light for insects (mosquitos, moths..). The function is also available from DMX chart (channel Special Function, range 7-10 DMX).

Pixel Swap – the item allows you to swap the pixel order (for Eminem 2/3/4 only).
Terminator active – the item allows you to terminate line of Eminences at last Eminem.

Technical specifications

Power supply

- Electronic auto-ranging
- **Input voltage**: 120 – 277V AC, 50/60 Hz
- **Power consumption:**
  - **Eminere 2**: 45W
  - **Eminere 3**: 65W
  - **Eminere 4:** 85W
- **Inrush current:**
  - **Eminere 2**: <70A/250µs
  - **Eminere 3:** <100A/200µs
  - **Eminere 4**: <100A/200µs

Optic

- Light source:
  - **Eminere 2**: 24 x high power LEDs
  - **Eminere 3**: 36 x high power LEDs
  - **Eminere 4:** 48 x high power LEDs
- **Colour variants**: RGBW, RGBA, single colour
- Beam Angle:
  - **Symetrical**: 9°, 15°, 30°, 50°, 65°, 100°
  - **Bi-symetrical:** 10° x 30°, 30° x 10°, 10° x 60°, 60° x 10°, 35° x 70°, 70° x 35°, 15° x 90°, 90° x 15° Wallwasher, Wide Wallwasher
- **Projected Lumen Maintenance:** L90B10 >90.000 hrs, Ta = 25°C / 77°F

Wireless DMX/RDM module RW 001

- **Supported protocols**: full RDM support, CRMX , W-DMXTM G2, G3,G4 and G4S
- **Operational frequency range:** 2402-2480 MHz
- **Output power:** 100 mW
- **Receiver sensitivity (0.1% BER):** -93 dBm
- **Crystal Clock Frequency :** 16.0 MHz
- **Contains FCC ID**: 2A6PL-DMXRDMRW001
- **Contains IC**: 29573-DMXRDMRW001

Mounting method

- Via two L-shape brackets
- LED module “tilt” adjustment range: -95°/+95°

Sizes

- Eminem 2 (600mm / 2ft)
- Eminem 3 (900mm / 3ft)
- Eminem 4 (1200mm / 4ft)

Housing

- Aluminium extruded body with die-casted end caps
- Tempered glass

Cooling system

- Convection

Total heat dissipation

- **Eminere 2**: 130 BTU/h (calculated)
- **Eminere 3:** 177 BTU/h (calculated)
- **Eminere 4:** 228 BTU/h (calculated

Protection factor

- **CE:** IP 67
- **US**: Suitable for wet location

Impact rating

- **CE:** IK06

Operating ambient temperature range

- -20°C /+40°C (-4°F /+104°F)

Operating temperature

- +67°C @ Ambient +40°C (+153°F @ Ambient +104°F)

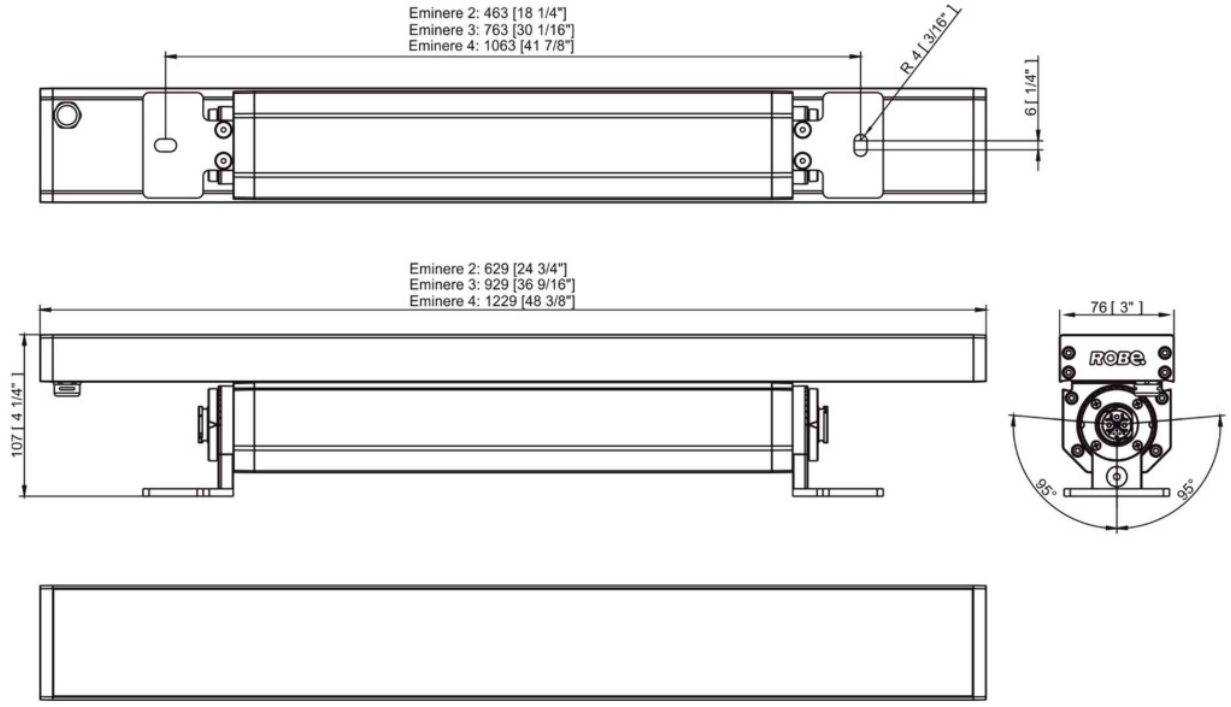
Connection

- **Input**: panel connector Am phenol ABAB-DMQ06000021-IN (P/N13052952)
- **Output:** panel connector Am phenol ABAB-DAQ06000021 (P/N13052953) + water-tight cap

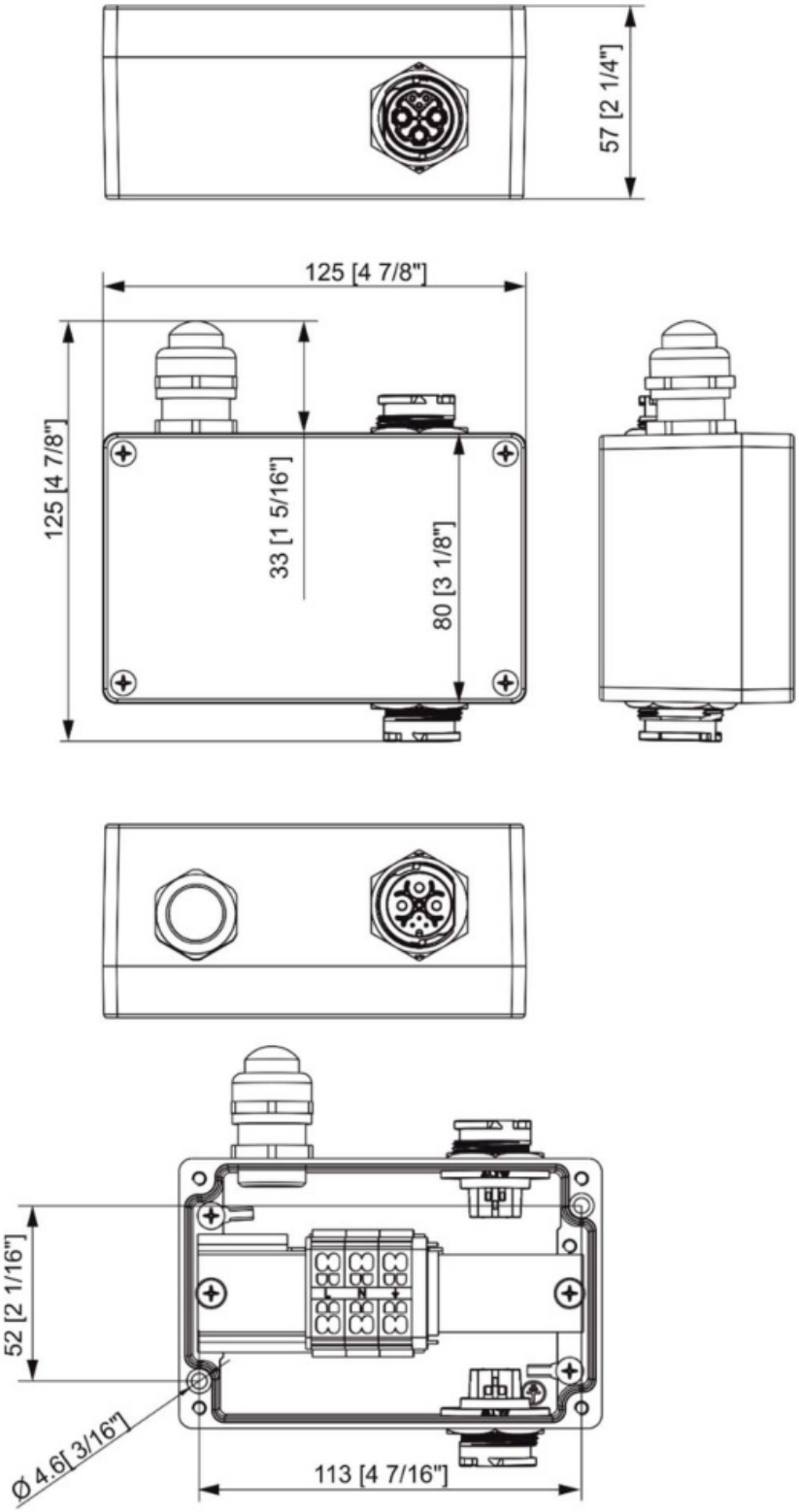
Weight

- **Eminere 2:** 4 kg (8.82 lbs)
- **Eminere 3**: 6.02 kg (13.27 lbs)
- **Eminere 4**: 7.7 kg (17 lbs)

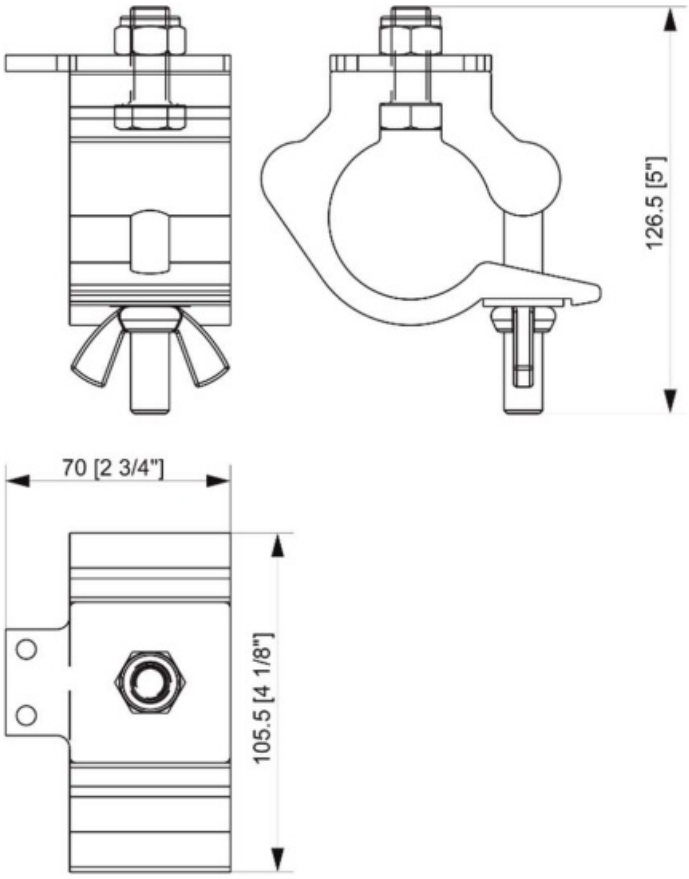
Dimensions (All dimensions in mm [inch])



- Booster box



- C-Clamp



Included items

- 1 x Eminere
- 1 x User manual

Optional accessories

CE Leader Cables FF:

- Leader Cable FF 2m (P/N 13053438)
- Leader Cable FF 5m (P/N 13053440)
- Leader Cable FF 10m (P/N 13053436)
- Leader Cable FF 25m (P/N 13053437)
- Leader Cable FF 50m (P/N 13053439)

US Leader Cables FF:

- Leader Cable FF 2m (P/N 13053433)
- Leader Cable FF 5m (P/N 13053435)
- Leader Cable FF 10m (P/N 13053431)
- Leader Cable FF 25m (P/N 13053432)
- Leader Cable FF 50m (P/N 13053434)

Jumper Cables FF/FM:

- Jumper Cable FF/FM 0.25m (P/N 13053422)
- Jumper Cable FF/FM 0.5m (P/N 13053423)
- Jumper Cable FF/FM 1m (P/N 13053425)
- Jumper Cable FF/FM 2m (P/N 13053427)
- Jumper Cable FF/FM 3m (P/N 13053428)
- Jumper Cable FF/FM 5m (P/N 13053430)
- Jumper Cable FF/FM 10m (P/N 13053424)
- Terminal KE 106, diameter 0.14mm2 (P/N 13053403)
- Waterproof Cover Cap FM ZAHB-0006 (P/N 17031173)
- Field Installable Connector FF (P/N 13053003)
- Field Installable Connector FM (P/N 13053004)
- C-clamp adaptors for Eminere (P/N 10980860)

E-boxes:

- E-box Daisy (P/N 10063655)
- E-box Daisy/W (P/N 10063638)
- E-box Lite (P/N 10063657)
- E-box Lite/W (P/N 10063653)
- E-box Star (P/N 10063656)
- E-box Star/W (P/N 10063644)

Booster box (P/N 10063712)

- Shield for Eminere 2 RAL9011 (P/N 10980489)
- Shield for Eminere 3 RAL9011 (P/N 10980490)
- Shield for Eminere 4 RAL9011 (P/N 10980491)
    - Cable Cover for Eminere 2 RAL9011 (P/N 10980485)
    - Cable Cover for Eminere 3 RAL9011 (P/N 10980486)
    - Cable Cover for Eminere 4 RAL9011 (P/N 10980487)
- Mounting Brackets for Eminere 100mm, 2pcs RAL9011 (P/N 10980493)
- Mounting Brackets for Eminere 200mm, 2pcs RAL9006 (P/N 10980529)
- Mounting Brackets for Eminere 200mm, 2pcs RAL9011 (P/N 10980494)
- Mounting Brackets for Eminere 300mm, 2pcs RAL9006 (P/N 10980576)
- Mounting Brackets for Eminere 300mm, 2pcs RAL9011 (P/N 10980495)
- Mounting Brackets for Eminere 50mm, 2pcs RAL9011 (P/N 10980525)

Cleaning and maintenance

DANGER !
Disconnect from the mains before starting any maintenance or cleaning work

Rinse off loose dirt with low pressure water spray. Wash the housing with a soft brush or sponge and a mild, nonabrasive washing detergent. Rinse it.

Maintenance and service operations are only to be carried out by a qualified person.
Should you need any spare parts, please use ROBE OEM parts.

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.

Change Log

This section summarizes changes in the user manual.

Version of manual	Date of issue	Description of changes
1.1	07/09/2021	Option Wireless DMX to wired DMX removed
1.2	05/10/2021	New DMX chart
1.3	13/10/2021	Technical specifications changed
1.4	26/11/2021	Optional accessories changed
1.5	20/12/2021	Jumper cable mounting added
1.6	06/01/2022	Jumper cable mounting chaged
1.7	12/01/2022	Jumper cable mounting more specified
1.8	23/02/2022	Sealing circle added to jumper cable mounting
1.9	19/05/2022	QR code added
2.0	12/01/2023	DMX chart ver. 3.1
2.1	10/02/2023	DMX chart ver. 3.2
2.2	20/03/2023	Notes about EMC added
2.3	05/09/2023	C-clamp adaptor installation added
2.4	13/09/2022	Jumper and leader cables numbers changed
2.5	30/01/2024	Control panel of RDM manager added, DMX chart ver. 3.3

Specifications are subject to change without notice.

DMX protocol for: Eminere 1/2/3/4; Eminere Side 1/2/3/4;		
Eminere Inground 2/4; Eminere Remote 1/2/3/4;		
UVinere 2/4; UVinere Remote 1/2/4		
Version: 3.3 (23 modes in total), software version 3.0 and higher		
Mode/Channels in all	**Mode 1: RGBW(A)-8bit, Mode 2: RGB 8-bit, Mode 3: full RGBW(A)**	

1	*2*	*3*	*4*	*5*	*6*	*7*	*8-10*	**Mode 4: White-full control, Mode 5: Reduced RGB W(A)**	
4	3	12	3	6	8	15	**Reserved**	**Mode 6- Reduced RGBW(A)+white control**	
								Mode 7- full RGBW(A)+virtual colour wheel	
								RGBW(A) / RGB modes	
Mode/channels							**DMX Value**	**Function**	**Type of control**
1	*2*	*3*	*4*	*5*	*6*	*7*			
–	**–**	**–**	**–**	**–**	**–**	**1**		**Special functions**	
							0	No function	step
								To activate following functions , stop in DMX value for at least 3 sec.	
							1-2	Save current DMX values to fixture as initial DMX values.	step
							3-4	Show saved initial DMX values	step
							5-6	Run factory demo sequences at switching fixture on (without DMX)	step
							7-8	Insect friendly light On (RGBA version only)	step
							9-10	Insect friendly light Off (RGBA version only)	step
							11-255	Reserved	
1	**1**	**1**	**–**	**1**	**1**	**2**		**Red**	
							0-255	Red LEDs saturation control (0-100%)	proportional
–	**–**	**2**	**–**	**–**	**–**	**3**		**Red Fine**	
							0-255	Red LEDs saturation control fine	proportional
2	**2**	**3**	**–**	**2**	**2**	**4**		**Green**	
							0-255	Green LEDs saturation control (0-100%)	proportional
–	**–**	**4**	**–**	**–**	**–**	**5**		**Green Fine**	
							0-255	Green LEDs saturation control fine	proportional
3	**3**	**5**	**–**	**3**	**3**	**6**		**Blue**	
							0-255	Blue LEDs saturation control (0-100%)	proportional
–	**–**	**6**	**–**	**–**	**–**	**7**		**Blue Fine**	

							0-255	Blue LEDs saturation control fine	proportional
4	**–**	**7**	**–**	**4**	**4**	**8**		**White (Amber)**	
							0-255	White LEDs saturation control (0-100%)	proportional
–	**–**	**8**	**–**	**–**	**–**	**9**		**White (Amber) Fine**	
							0-255	White LEDs saturation control fine	proportional
–	**–**	**9**	**1**	**–**	**5**	**10**		**Green correction**	
							0	Uncorrected white	step
							1-127	Minus green –> uncorrected white	proportional
							128	Uncorrected white (128=default)	step
							129-255	Uncorrected white –> Plus green	proportional
–	**–**	**10**	**2**	**–**	**6**	**11**		**Colour temperature correction (CTC)**	
							0	No function	step
							1-10	Tungsten dimming 2700 K	step
							11-20	Tungsten dimming 3200 K	step
							21-255	Colour temperature changing from 1800 K –> 6500 K	proportional

Mode/channels							**DMX Value**	**Function**	**Type of control**
1	***2***	***3***	***4***	***5***	***6***	***7***			
								(21-1800K, 66-2700K, 91-3200K,141-4200K, 211-5600K, 255-6500K)	
–	**–**	**–**	**–**	**–**	**–**	**12**		**Virtual Colour Wheel**	
							0	No function	step
							1-2	White 1800 K	step
							3-4	White 2700 K	step
							5-6	White 3200 K	step
							7-8	White 4200 K	step
							9-10	White 5600 K	step
							11-12	White 6500 K	step
							13	Blue (Blue=full, Red+Green+White/Amber=0)	step

							14-23	Red=0, Green->up,Blue =full, White/Amber=0	proportional
							24	Cyan (Red=0, Green=full, Blue =full, White/Amber=0)	step
							25-34	Red=0, Green=full, Blue->down, White/Amber=0	proportional
							35	Green (Red=0, Green=full, Blue =0, White/Amber=0)	step
							36-45	Red->up, Green=full, Blue=0, White/Amber=0	proportional
							46	Yellow (Red=full, Green=full, Blue=0, White/Amber=0)	step
							47-56	Red=full, Green->down, Blue=0, White/Amber=0	proportional
							57	Red(Red=full, Green=0, Blue=0, White/Amber=0)	step
							58-67	Red=full, Green=0, Blue->up, White/Amber=0	proportional
							68	Magenta (Red=full, Green=0, Blue=full, White/Amber=0)	step
							69-78	Red -> down, Green=0, Blue=full, White/Amber=0	proportional
							79	Blue (Red=0, Green=0, Blue=full, White/Amber=0)	step
								Transition effects	
							80-87	Rainbow effect (with fade time) from slow-> fast	proportional
							88-95	Rainbow effect (without fade time) from slow-> fast	proportional
							96-103	Full dynamic white (1800K->6500K->1800K) (with fade time) fromslow-> fast	proportional
							104-111	Full dynamic white (1800K->6500K->1800K) (without fade time)from slow-> fast	proportional
							112-119	Dynamic warm white (1800K-3000K-1800K) (with fade time) fromslow-> fast	proportional
							120-127	Dynamic warm white (1800K-3000K-1800K) (without fade time)from slow-> fast	proportional
							128-135	Rainbow effect + full dynamic white (with fade time) from slow->fast	proportional
							136-143	Rainbow effect + full dynamic white (without fade time) fromslow-> fast	proportional
							144-151	Blue/Green effect (with fade time) from slow-> fast	proportional
							152-159	Blue/Green effect (without fade time) from slow-> fast	proportional

							160-167	Red/Blue effect (with fade time) from slow-> fast	proportional
							168-175	Red/Blue effect (without fade time) from slow-> fast	proportional
							176-183	Green/Red effect (with fade time) from slow-> fast	proportional
							184-191	Green/Red effect (without fade time) from slow-> fast	proportional
							192-199	Blue/4000K effect (with fade time) from slow-> fast	proportional
							200-207	Blue/4000K effect (without fade time) from slow-> fast	proportional
							208-215	Green/4000K effect (with fade time) from slow-> fast	proportional
							216-223	Green/4000K effect (without fade time) from slow-> fast	proportional
							224-231	Red/4000K effect (with fade time) from slow-> fast	proportional
							232-239	Red/4000K effect (without fade time) from slow-> fast	proportional
							240-255	Reserved	

Mode/channels							DMX Value	Function	Type of control
1	*2*	*3*	*4*	*5*	*6*	*7*			
						13		**Shutter/Strobe**	
							0-31	Shutter closed	step
							32-63	Shutter open	step
							64-95	Strobe-effect from slow to fast	proportional
							96-127	Shutter open	step
							128-143	Opening pulse in sequences from slow to fast	proportional
							144-159	Closing pulse in sequences from fast to slow	proportional
							160-191	Shutter open	step
							192-223	Random strobe-effect from slow to fast	proportional
							224-255	Shutter open	step
–	**–**	**11**	**3**	**5**	**7**	**14**		**Dimmer**	
							0-255	Light intensity coarse (0-100%)	proportional
–	**–**	**12**	**–**	**6**	**8**	**15**		**Dimmer Fine**	
							0-255	Light intensity fine	proportional
All Specifications subject to change without notice									

DMX protocol for: Eminere 1/2/3/4; Eminere Side 1/2/3/4;					
Eminere Inground 2/4; Eminere Remote 1/2/3/4;					
UVinere 2/4; UVinere Remote 1/2/4					
Version: 3.3 (23 modes in tot al)					
Mode/Channels in all				**Mode 11: White selection, Mode 12: WW + CW**	
11	***12***	***13***	***14-16***	**Mode 13: Only dimmer**	
3	4	2	Reserv ed	*Mode 13 is suitable for UVinere and UVinere Remote*	
				TW and PW modes	
Mode/channels			**DMXVa lue**	**Function**	**Type of c ontrol**
11	***12***	***13***			
1	**–**	**–**		**White colour selection**	
			0 – 255	White from 2700 K – 6500 K	proportion al
–	**1**	**–**		**Warm White**	
			0 – 255	Warm White LEDs saturation control (0-100%)	proportion al
–	**2**	**–**		**Cool White**	
			0 – 255	Cool White LEDs saturation control (0-100%)	proportion al
2	**3**	**1**		**Dimmer**	
			0 – 255	Light intensity coarse (0 – 100%)	proportion al
3	**4**	**2**		**Dimmer Fine**	
			0 – 255	Light intensity fine	proportion al
All Specifications subject to change without notice					

DMX protocol for: Eminere 1/2/3/4; Eminere Side 1/2/3/4;			
Eminere Inground 2/4; Eminere Remote 1/2/3/4;			
Version: 3.3 (23 modes in total)			
Mode/Channels in all		**Mode 17: RGBW(A) pixels, Mode 18: RGB pixels, Mode 19 : TW pixels,**	

17	*18*	*19*	*20*	*21-23*	**Mode 20: PW dimmer pixels**	
16	12	8	8	Reserved		
					Pixel modes	
Mode/channels				**DMXValue**	**Function**	**Type ofcontrol**
17	*18*	*19*	*20*			
1	**1**	**–**	**–**		**Red 1 -Eminere 1/2/3/4**	
				0 – 255	Red LEDs saturation control (0-100%)	proportional
2	**2**	**–**	**–**		**Green 1-Eminere 1/2/3/4**	
				0 – 255	Green LEDs saturation control (0-100%)	proportional
3	**3**	**–**	**–**		**Blue 1-Eminere 1/2/3/4**	
				0 – 255	Blue LEDs saturation control (0-100%)	proportional
4	**–**	**–**	**–**		**White (Amber) 1-Eminere 1/2/3/4**	
				0 – 255	White LEDs saturation control (0-100%)	proportional
5	**4**	**–**	**–**		**Red 2 -Eminere 2/3/4**	
				0 – 255	Red LEDs saturation control (0-100%)	proportional
6	**5**	**–**	**–**		**Green 2-Eminere 2/3/4**	
				0 – 255	Green LEDs saturation control (0-100%)	proportional
7	**6**	**–**	**–**		**Blue 2-Eminere 2/3/4**	
				0 – 255	Red LEDs saturation control (0-100%)	proportional
8	**–**	**–**	**–**		**White (Amber) 2-Eminere 2/3/4**	
				0 – 255	White LEDs saturation control (0-100%)	proportional
9	**7**	**–**	**–**		**Red 3-Eminere 3/4**	
				0 – 255	Red LEDs saturation control (0-100%)	proportional
10	**8**	**–**	**–**		**Green 3-Eminere 3/4**	
				0 – 255	Green LEDs saturation control (0-100%)	proportional
11	**9**	**–**	**–**		**Blue 3-Eminere 3/4**	

				0 – 255	Blue LEDs saturation control (0-100%)	proportional
12	**–**	**–**	**–**		**White (Amber) 3-Eminere 3/4**	
				0 – 255	White LEDs saturation control (0-100%)	proportional
13	**10**	**–**	**–**		**Red 4-Eminere 4**	
				0 – 255	Red LEDs saturation control (0-100%)	proportional
14	**11**	**–**	**–**		**Green 4-Eminere 4**	
				0 – 255	Green LEDs saturation control (0-100%)	proportional
15	**12**	**–**	**–**		**Blue 4-Eminere 4**	
				0 – 255	Blue LEDs saturation control (0-100%)	proportional
16	**–**	**–**	**–**		**White (Amber) 4 -Eminere 4**	
				0 – 255	White LEDs saturation control (0-100%)	proportional
–	**–**	**1**	**–**		**Warm White 1 -Eminere 1/2/3/4**	
					Warm White LEDs saturation control (0-100%)	proportional
–	**–**	**2**	**–**		**Cool White 1-Eminere 1/2/3/4**	
				0 – 255	Cool White LEDs saturation control (0-100%)	proportional
–	**–**	**3**	**–**		**Warm White 2-Eminere 2/3/4**	

Mode/channels				**DMXValue**	**Function**	**Type ofcontrol**
17	***18***	***19***	***20***			
				0 – 255	Warm White LEDs saturation control (0-100%)	proportional
–	**–**	**4**	**–**		**Cool White 2-Eminere 2/3/4**	
				0 – 255	Cool White LEDs saturation control (0-100%)	proportional
–	**–**	**5**	**–**		**Warm White 3-Eminere 3/4**	
				0 – 255	Warm White LEDs saturation control (0-100%)	proportional
–	**–**	**6**	**–**		**Cool White 3-Eminere 3/4**	
				0 – 255	Cool White LEDs saturation control (0-100%)	proportional

–	–	**7**	–		**Warm White 4 -Eminere 4**	
				0 – 255	Warm White LEDs saturation control (0-100%)	proportional
–	–	**8**	–		**Cool White 4 -Eminere 4**	
				0 – 255	Cool White LEDs saturation control (0-100%)	proportional
–	–	–	**1**		**Dimmer 1**	
				0 – 255	Light intensity coarse (0 – 100%)	proportional
–	–	–	**2**		**Dimmer Fine 1**	
				0 – 255	Light intensity fine	proportional
–	–	–	**3**		**Dimmer 2**	
				0 – 255	Light intensity coarse (0 – 100%)	proportional
–	–	–	**4**		**Dimmer Fine 2**	
				0 – 255	Light intensity fine	proportional
–	–	–	**5**		**Dimmer 3**	
				0 – 255	Light intensity coarse (0 – 100%)	proportional
–	–	–	**6**		**Dimmer Fine 3**	
				0 – 255	Light intensity fine	proportional
–	–	–	**7**		**Dimmer 4**	
				0 – 255	Light intensity coarse (0 – 100%)	proportional
–	–	–	**8**		**Dimmer Fine 4**	
				0 – 255	Light intensity fine	proportional
All Specifications subject to change without notice						

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Documents / Resources

	Anolis 5 Side 4 Wireless DMX LED Light [pdf] User Manual 5 Side 4 Wireless DMX LED Light, Side 4 Wireless DMX LED Light, 4 Wireless DMX LED Light, DMX LED Light, Light

References

- User Manual