Anolis
A ROBE Business

Eminere® Remote 1
Eminere® Remote 2
Eminere® Remote 3
Eminere® Remote 4

QR code for user manual

USER MANUAL

Version 2.1

Table of contents

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
BEFORE POWERING OR INSTALLING YOUR Eminere Remote !
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.

1. Safety instructions

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

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

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. Do not install the unit near an open flame.

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.

Immunity of the equipment is designed for electromagnetic environments E1, E2, E3 according to the standard EN55103-2 ed.2 Electromagnetic compatibility. Product family standard for audio, video, audiovisual and entertainment lighting control apparatus for professional use. Part 2: Immunity.

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

The installation company should check levels of possible interferences above the tested levels E1,E2,E3 given by this standard (e.g. transmitters in surrounding area) before installing the equipment.
Emission of the equipment complies with the standard EN55032 Electromagnetic compatibility of multimedia equipment – Emission Requirements according to class B.

Please consider that unauthorized modifications on the fixture are forbidden due to safety reasons!
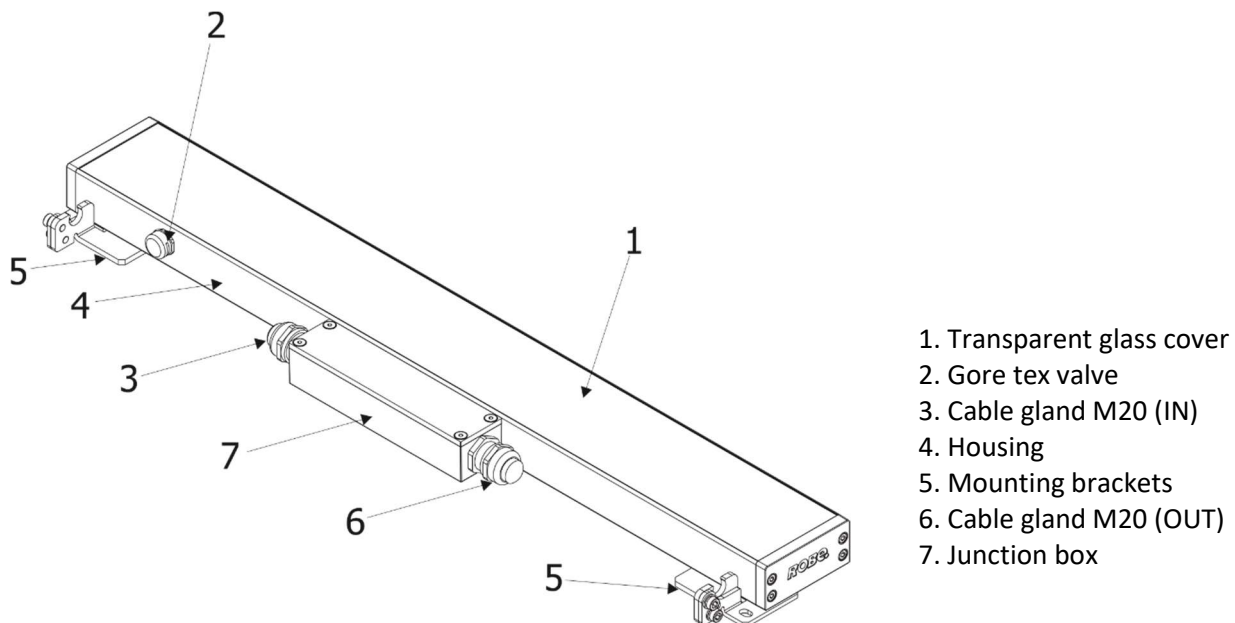
Please use the original packaging if the fixture is to be transported.

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.

Refer servicing to qualified service personnel.

> *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.*

2. Fixture exterior view

1. Transparent glass cover
2. Gore tex valve
3. Cable gland M20 (IN)
4. Housing
5. Mounting brackets
6. Cable gland M20 (OUT)
7. Junction box

3. Installation

3.1 Mounting the fixture

The Eminere Remote can be arranged in any orientation on a flat, non-flammable surface by means of two mounting brackets (5) which can be tilted by 30°.
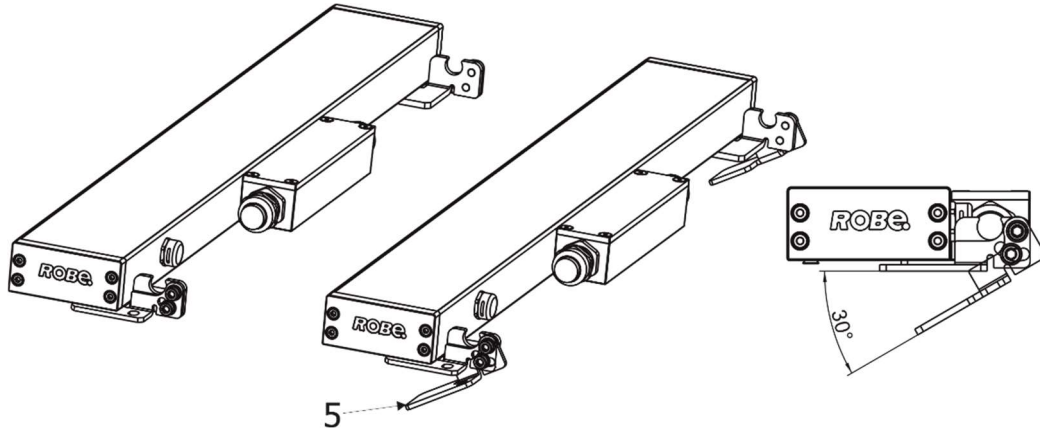
3.2 Connection to driver

> **The unit must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations.**

The Eminere Remote modules should be connected to the E-Box Remote or E-Box Remote basic as stated in the chapter "Technical specifications".

Example of connection

The table below states max. number of Eminere Remote modules connected to the E-box Remote/E-box Remote Basic.
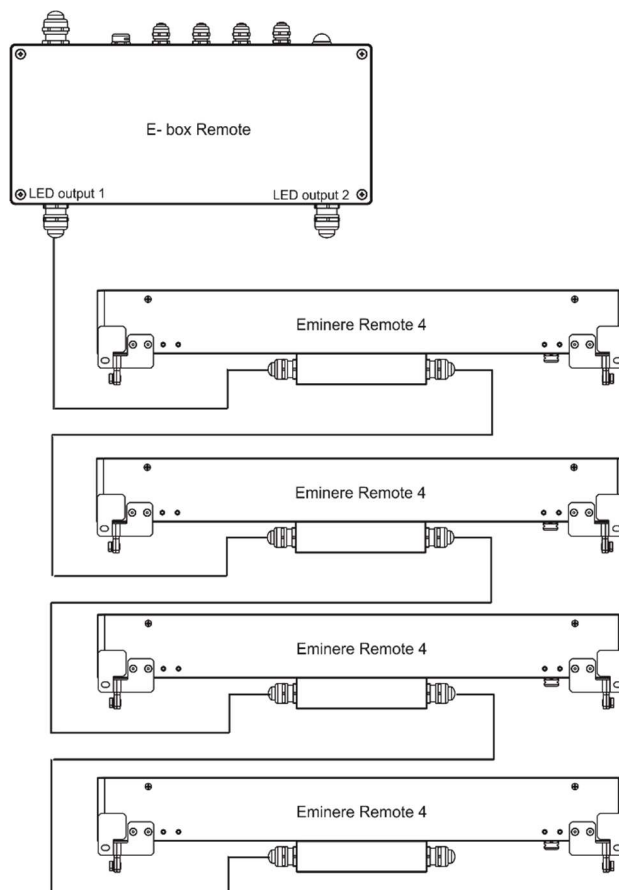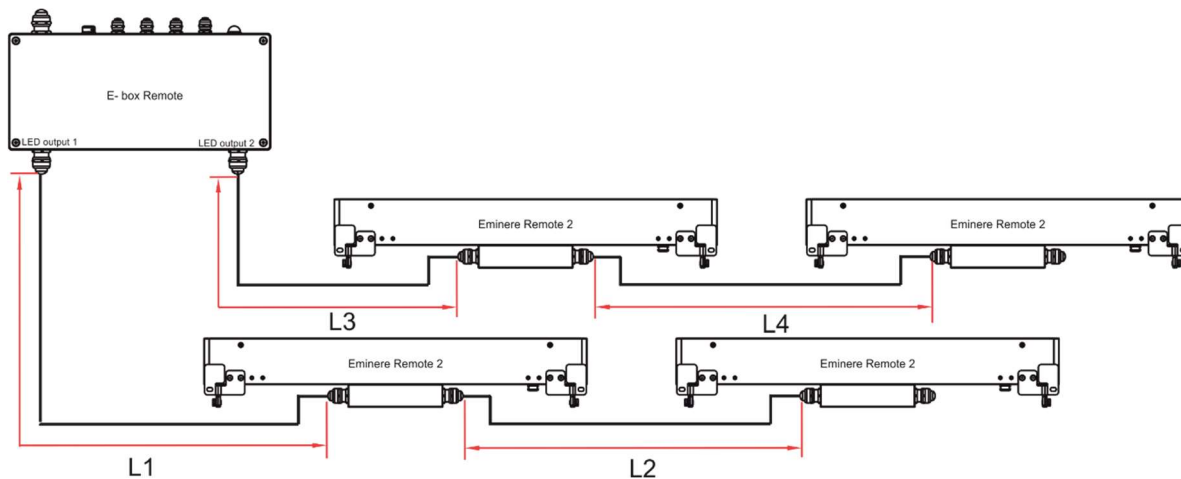
Cable length *	Max. number of Emineres Remote connected to the E-box Remote/E-box Remote Basic			
	Eminere Remote 1	Eminere Remote 2	Eminere Remote 3	Eminere Remote 4
25 m	20	10	6	5
50 m	16	8	5	4
75 m	13	6	4	3
100 m	10	5	3	2

* Cable length is a total cable length between E-box Remote (E-box Remote Basic) and last connected Eminere Remote.
Example: Total cable length=L1+L2+L3+L4

Max. number of Eminere Remote modules connected to the one output of the E-box Remote/E-box Remote Basic is stated in the following table.

Max. number of Emineres Remote connected to the one output of the E-box Remote/E-box Remote Basic			
Eminere Remote 1	Eminere Remote 2	Eminere Remote 3	Eminere Remote 4
16	8	5	4

Example: if you want to connect 20 Emineres Remote 1 to the E-box Remote, you may connect 16 Emineres Remote 1 to output 1 and 4 Emineres Remote 1 to output 2 (at total cable length of 25 m).

3.3 Wiring of the junction box

1. Unscrew the four screws (9) on the cover (8) of the junction box (7), remove the cover (8) and the gasket (10).
2. Remove the end cap (11) from cable glands before passing cables throw cable glands M20 (3,6).
   The cable glands M20x1.5 can be used for cables of a diameter of 7-13mm.
3. Pass the power/data cables through the cable glands (3,6) and connect them to the connection blocks (12, 13).
4. After checking all connections, fill the junction box with synthetic resin. Make sure that the End cap is inserted in unused cable gland before filling it.
   At filling of the junction box proceed according instructions stated on the bag of the resin.
   The connection blocks have to be fully poured in the resin.
5. Place the gasket (10) on the junction box (7) and screw the cover (8) to the junction box (7).
   Check that all cable glands (and blind flange) and screws are firmly tightened.
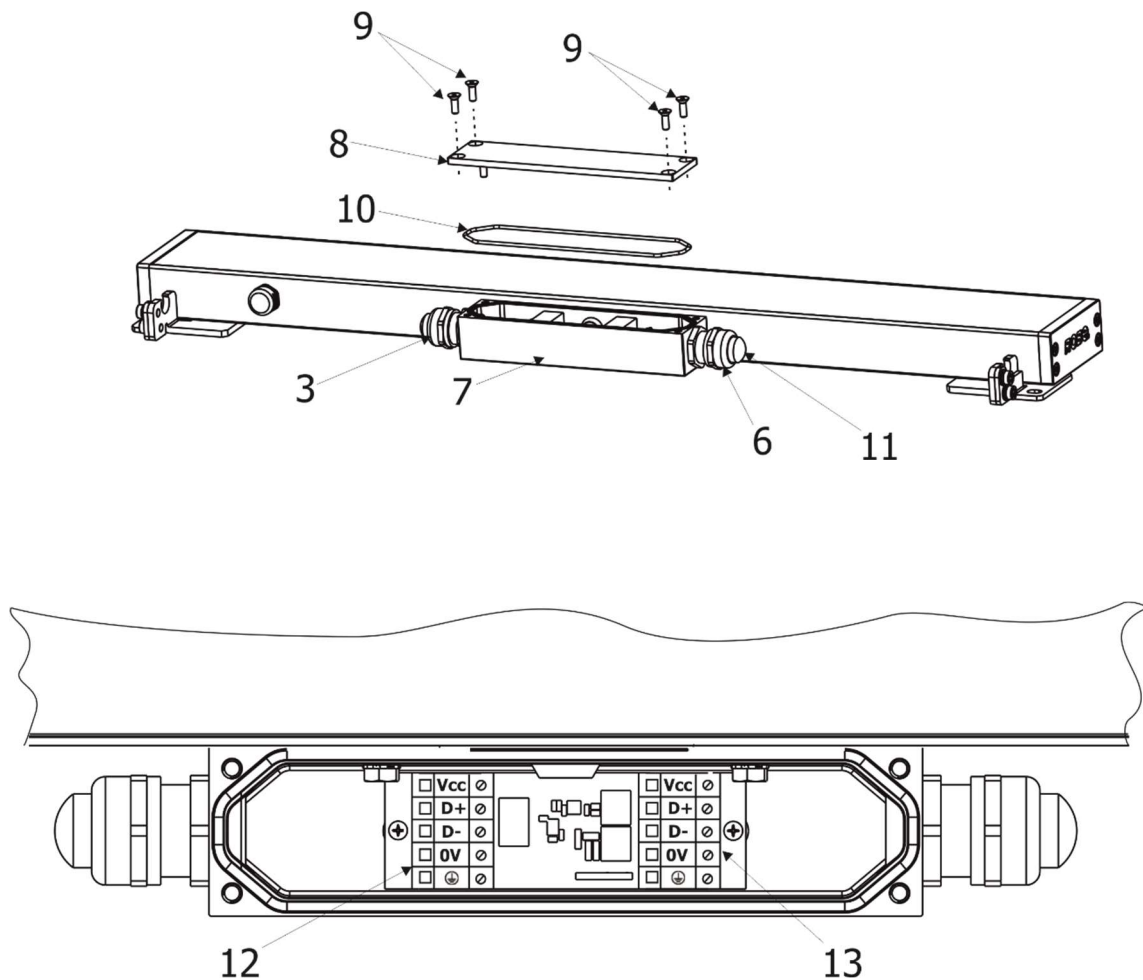
Wiring of connection blocks (12,13) in the junction box.
CE version

Connector	Vcc	D+	D-	0V	⏚
Function	LEDs +	Data +	Data -	LEDs -	Ground
Colour of wire	Red	Orange	White	Black	Not connected

US version

Connector	Vcc	D+	D-	0V	⏚
Function	LEDs +	Data +	Data -	LEDs -	Ground
Colour of wire	Red	Orange	White	Black	Green

NOTE: Each line of Emineres Remote connected to the LED output of the E-box Remote/E-box Remote Basic has to be terminated at the last fixture.

EITHER connect a 120 Ohm resistor between terminals D+ and D- in the last fixture, **OR** terminate via RDM as described in the user manual for the E-box Remote.

⚠ Ensure **ONLY** the last fixture in the line is terminated using **ONE** of the above methods!
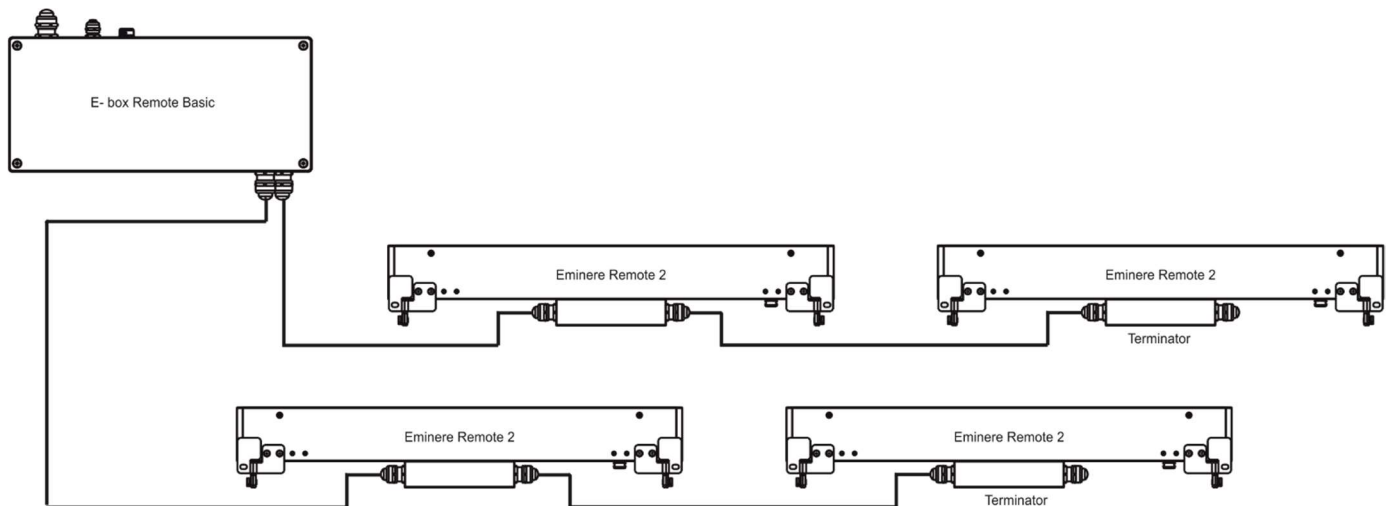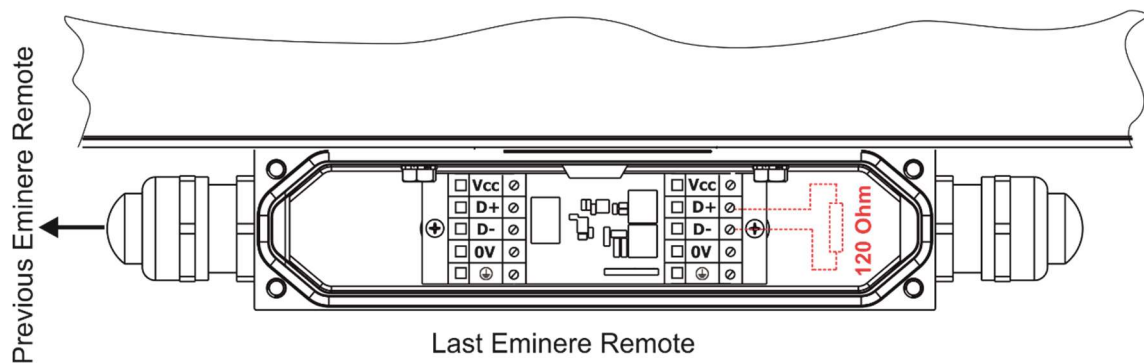
To keep declared IP rating of the fixture, every cable gland has to be covered with the end cap (11) if the cable gland is not used for cable passing.

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 body of gland (if the cable gland was screwed out).

Eminere Remote

LOCTITE 577   LOCTITE 5331

End cap

Terminal
block   Plastic holder   Metal
cover   Body of gland   Rubber   nut
                            seal
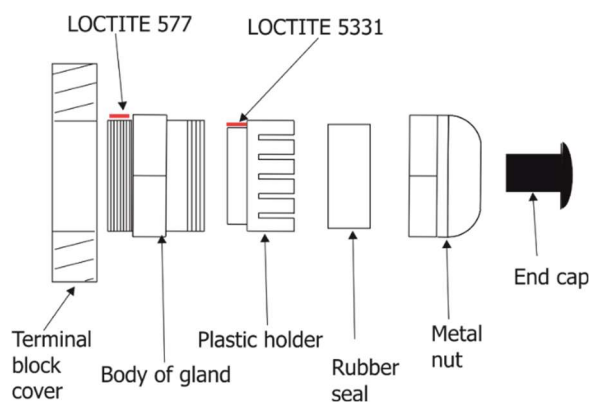
4. Software update

Software update of Eminere Remote has to be done by means of the software ROBE Uploader running on PC.
The ROBE Uploader is a software for automatized software update of ROBE fixtures. The ROBE Uploader switches
Emineres Remote to the update mode automatically.
Please see https://www.robe.cz/robe-uploader/ for more information about ROBE uploader and the E-box Remote
user manual (E-box Remote Basic user manual).

5. Technical specifications

Power supply
- Input voltage: 48 V
- Power consumption:
    Eminere Remote 1: 20W
    Eminere Remote 2: 40W
    Eminere Remote 3: 60W
    Eminere Remote 4: 80W

Optic
- Light source:
    Eminere Remote 1: 12 x high power LEDs
    Eminere Remote 2: 24 x high power LEDs
    Eminere Remote 3: 36 x high power LEDs
    Eminere Remote 4: 48 x high power LEDs
- Colour variants: RGBW (W - 6500 K), RGBA, PW (W - 3000 K)
- Beam angles: 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°
    Asymetrical: Wallwasher, Wide Wallwasher
- Projected Lumen Maintenance: L90B10 >90.000 hrs, Ta = 25°C / 77°F

Compatible drivers
- E-box Remote, E-box Remote Basic

Mounting method
- Via two L-shape brackets with adjustment range 30°

Housing
- Aluminium extruded body
- Tempered glass

Cooling system
- Convection

Total heat dissipation
- Eminere Remote 1: 51 BTU/h (calculated)
- Eminere Remote 2: 102 BTU/h (calculated)
- Eminere Remote 3: 154 BTU/h (calculated)
- Eminere Remote 4: 205 BTU/h (calculated)

Weight
- Eminere Remote 1: 2.0 kg (4.41 lbs)
- Eminere Remote 2: 3.1 kg (6.83 lbs)
- Eminere Remote 3: 4.1 kg (9.04 lbs)
- Eminere Remote 4: 5.1 kg (11.24 lbs)

Dimensions (All dimensions in mm [inch])
Eminere Remote 1
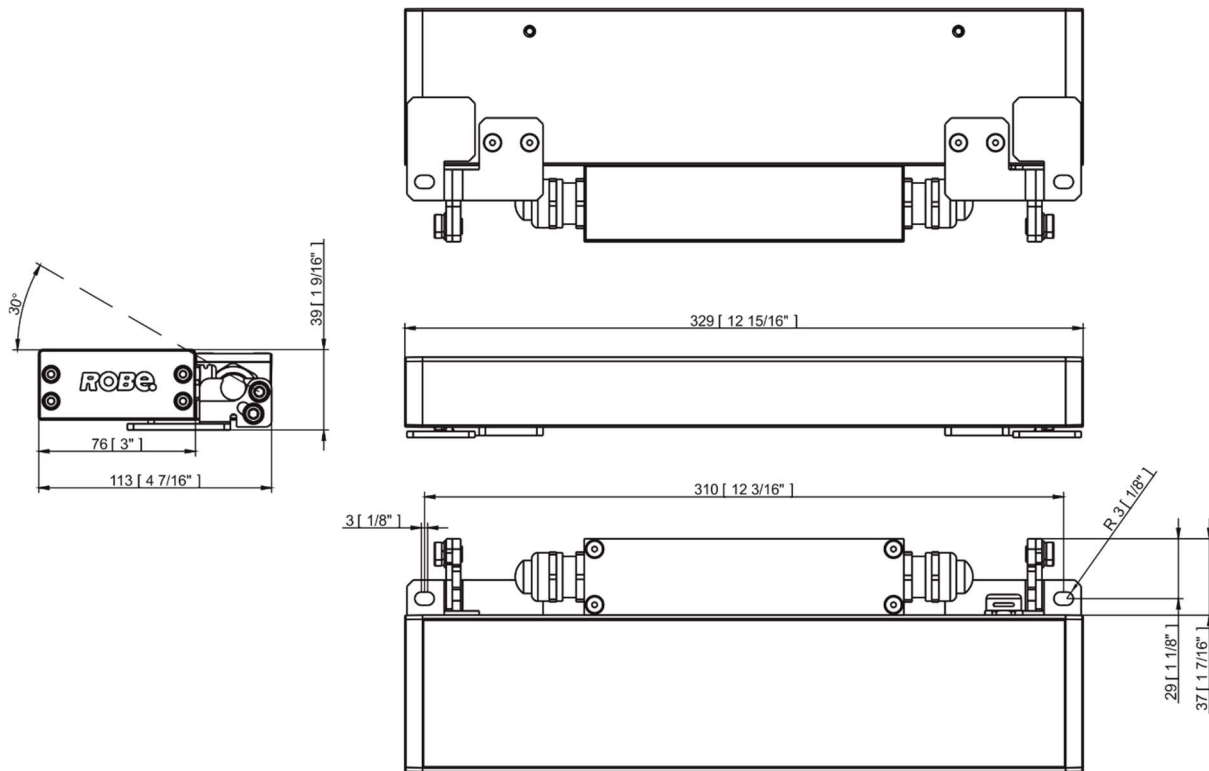
Eminere Remote 2/3/4
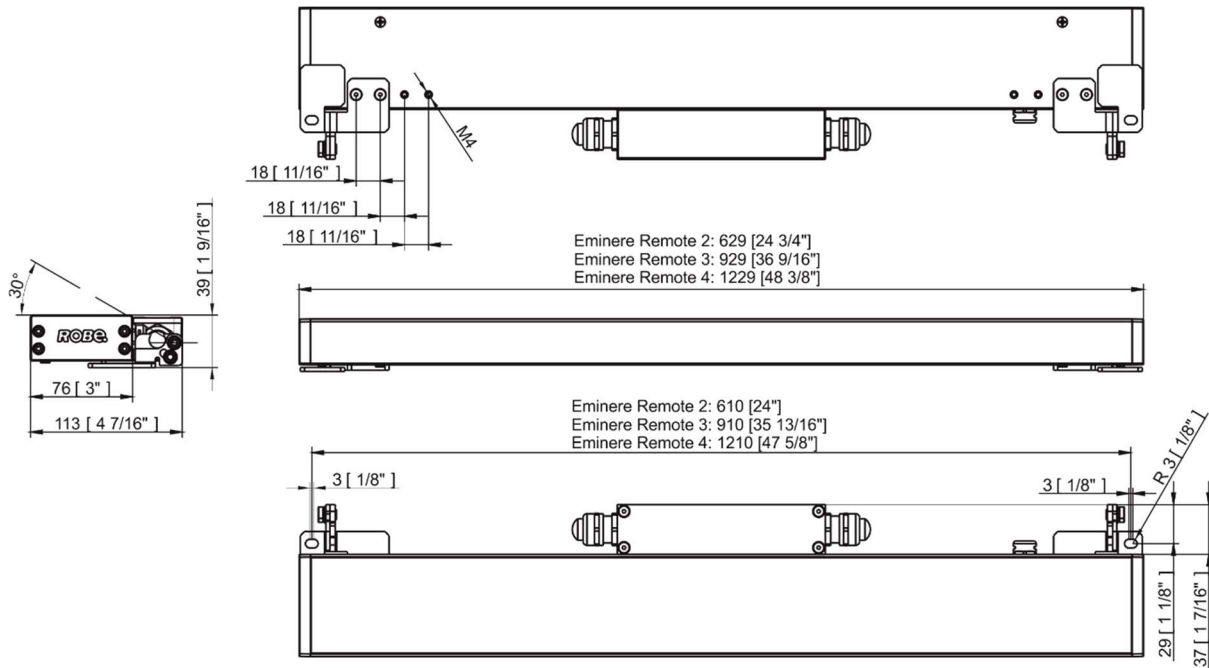
Protection factor
- CE: IP 67
- US: Suitable for wet location

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
- 5-cored cable

Included items
- 1 x Eminere Remote
- 1 x User manual

Optional accessories
- Mounting Bracket 50 RAL 9011 (P/N 10980521)
- Mounting Bracket 100 RAL 9011 (P/N 10980522)
- Mounting Bracket 200 RAL 9011 (P/N 10980523)
- Mounting Bracket 200 RAL 9006 (P/N 10980663)
- Mounting Bracket 300 RAL 9011 (P/N 10980524)
- Mounting Bracket- Custom length

- Shield For Eminere Remote 1 RAL 9011 (P/N 10980518)
- Shield For Eminere Remote 2 RAL 9011 (P/N 10980519)
- Shield For Eminere Remote 4 RAL 9011 (P/N 10980520)

- Cable for Eminere Remote (P/N 13053336)

6. 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, non-abrasive 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.

6.1 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.

7. ChangeLog

This section summarizes changes in the user manual.

Version of the manual	Date of issue	Description of changes
1.1	08/10/2021	Technical specification changed
1.2	26/11/2021	Optional accessories changed
1.3	01/12/2021	Information about 120 Ohm terminator added
1.4	12/01/2021	Procedure Wiring junction box changed
1.5	26/01/2022	Marking of conection blocks in junction box changed
1.6	07/04/2022	Eminere Remote connection changed
1.7	28/04/2022	Eminere Remote connection changed
1.8	19/05/2022	QR code added
1.9	17/08/2022	Description of installation changed
2.0	09/01/2023	Eminere Remote update added
2.1	10/02/2023	DMX chart ver. 3.2

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: 3.2 (23 modes in total), software version 3.0 and higher

Mode/Channels in all								
1	**2**	**3**	**4**	**5**	**6**	**7**	**8-10**	Mode 1: RGBW(A)-8bit, Mode 2: RGB 8-bit, Mode 3: full RGBW(A)
4	3	12	3	6	8	15	Reserved	Mode 4: White-full control, Mode 5: Reduced RGBW(A)
								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
							7-255	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 (21-1800K, 66-2700K, 91-3200K,141-4200K, 211-5600K, 255-6500K)	proportional
-	-	-	-	-	-	12		**Virtual Colour Wheel**	
							0	No function	step

Mode/channels							DMX Value	Function	Type of control
1	2	3	4	5	6	7			
							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) from slow-> 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) from slow-> 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) from slow-> fast	proportional
							145-151	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	
						13		**Shutter/Strobe**	
							0-31	Shutter closed	step
							32-63	Shutter open	step

Mode/channels							DMX Value	Function	Type of control
1	*2*	*3*	*4*	*5*	*6*	*7*			
							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

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: 3.2 (23 modes in total)				Mode 11: TW – White selection + Dimmer, Mode 12: TW – WW + CW	
Mode/Channels in all					
11	12	13	14-16	Mode 13: PW - Dimmer	
3	4	2	Reserved	*Mode 13 is suitable for UVinere and UVinere Remote*	
				TW and PW modes	

Mode/channels			DMX Value	Function	Type of control
11	12	13			
1	-	-		**White colour selection**	
			0 - 255	White from 2700 K - 6500 K	proportional
-	1	-		**Warm White**	
			0 - 255	Warm White LEDs saturation control (0-100%)	proportional
-	2	-		**Cool White**	
			0 - 255	Cool White LEDs saturation control (0-100%)	proportional
2	3	1		**Dimmer**	
			0 - 255	Light intensity coarse (0 - 100%)	proportional
3	4	2		**Dimmer Fine**	
			0 - 255	Light intensity fine	proportional

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: 3.2 (23 modes in total)						
Mode/Channels in all					Mode 16: RGBW(A) pixels, Mode 17 RGB pixels, Mode 18: TW pixels,	
17	*18*	*19*	*20*	*21-23*	Mode 19- PW dimmer pixels	
16	12	8	8	Reserved		
					Pixel modes	
Mode/channels				DMX Value	Function	Type of control
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				DMX Value	Function	Type of control
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