

Assembly instruction

Date: 22.08.13

Pendant Light ANELLO

GENERAL REMARKS ON SAFETY:

Read all of these instructions before installing fixtures.

- Keep all of the instructions for future reference.
- Turn off power before installing fixture.
- Installation is to be performed by a qualified electrician only.
- All installations are to conform to the standards of National Electrical Code as well as all local jurisdictional codes and regulations.
- Any modification of the luminaire will void any and all written or implied warranties.
- Do not open the luminaire - this will void the IP rating
- The manufacturer accepts no responsibility for damage to persons or property arising through improper use or installation.

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED

Technical data:



Frame

Circular aluminium profile (one piece)
Ø 1600 and 2000 mm with translucent stretch foil

Circular aluminium profile (two pieces)
Ø 2600 mm with translucent stretch foil

Dimension			Fixture Weight	technical-unit Weight
Ø 1600	H 60	B 260 mm	18 kg	5 kg
Ø 62.9"	H 2.4"	B 10.2"	39.7 lb	11 lb
Ø 2000	H 60,	B 260 mm	22 kg	5 kg
Ø 78.7"	H 2.4"	B 10.2"	48.5 lb	11 lb
Ø 2600	H 60,	B 260 mm	28 kg	5 kg
Ø 102.3"	H 2.4"	B 10.2"	61.7 lb	11 lb

Scope of delivery

pos. quantity

Package 1, Frame

Aluminium-ringframe ① 1 unit

Package 2, technical part

②

☐ Steel cable 5 m four-part
4 x straight suspension ③ 1 unit

☐ Steel cable 5 m four-part
1 x trapeze suspension ③ 1 unit

☐ Supply line Tu-Lf ④ 1 unit

Gloves, white ⑤ 1 pair

Screwdriver ⑤ 1 unit

Assembly instruction ⑤ 1 unit

Backup: Push terminal quadruple 1 unit

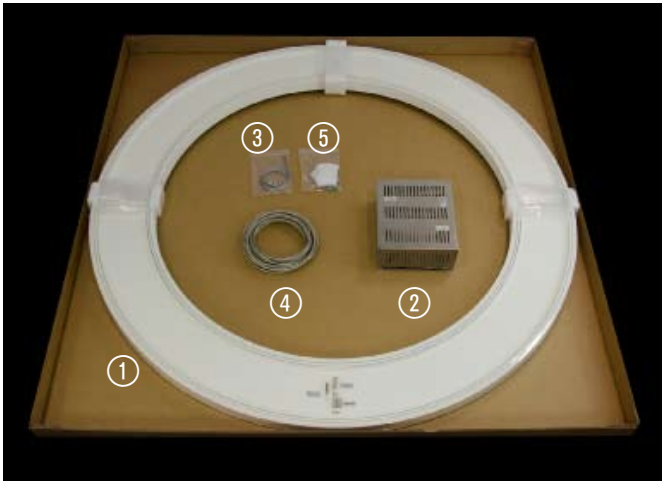
Push terminal double 1 unit

Stainless steel Decoration screw 1 unit

☐ RGB, X-Fade 6-channel 1 unit

☐ RGB, Multidimmer Infrared 1 unit

☐ White, Dimmer 1-10 V 1 unit



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Warranty

Use the enclosed assembly instructions for the installation of the lighting fixture. Contravention of the assembly instruction leads to expiration of warranty.

The assigned installation team is briefed to handle the product carefully and reliably to prevent damage towards third parties. The present light fixture has been tested in combination with the appendant technical part for full operational functions.



Delivery contains 2 packages

Unpack the light fixture and check completeness according to list of items. Use for installation enclosed cloth gloves to prevent soiling of polished frame, screws and acrylic-glass-ring.

1. Preperation

Place the aluminium ring underneath the installation position on the floor, to prevent scratches and soiling use a clean support pad.

Turn the power supply to the desired position.



Anello Ø 102.36" 2600mm:

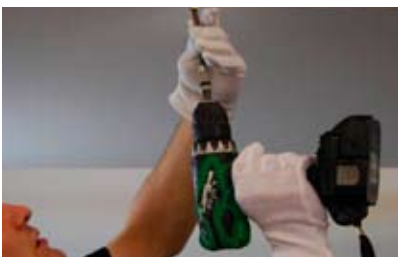
The two parts of the aluminium frame have to be joined together (screws and fixation wholes provided).

2. Befestigungspunkte an der Decke markieren

Mark anchor position of your light fixture on the ceiling according to drilling template (next page), please mind the different diameters of the light.

Predrill the anchor points with Ø .25" (6mm), mount the wall plug and fix the steel cable bracket.

Please ensure the load capacity of the ceiling is sufficient.

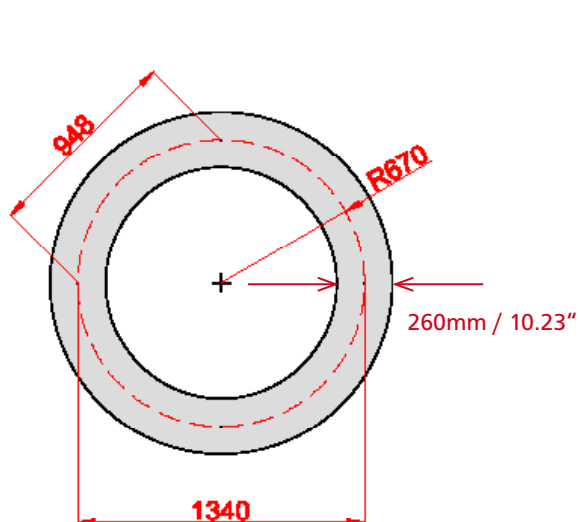


Assembly instruction

SATTLER

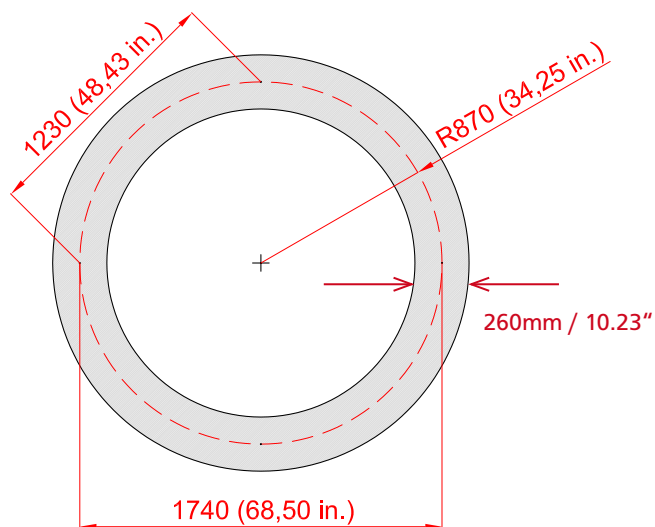
Depending on chosen suspension:

4 Suspension Points for straight suspension, 1 Suspension Point point for trapeze-suspension.



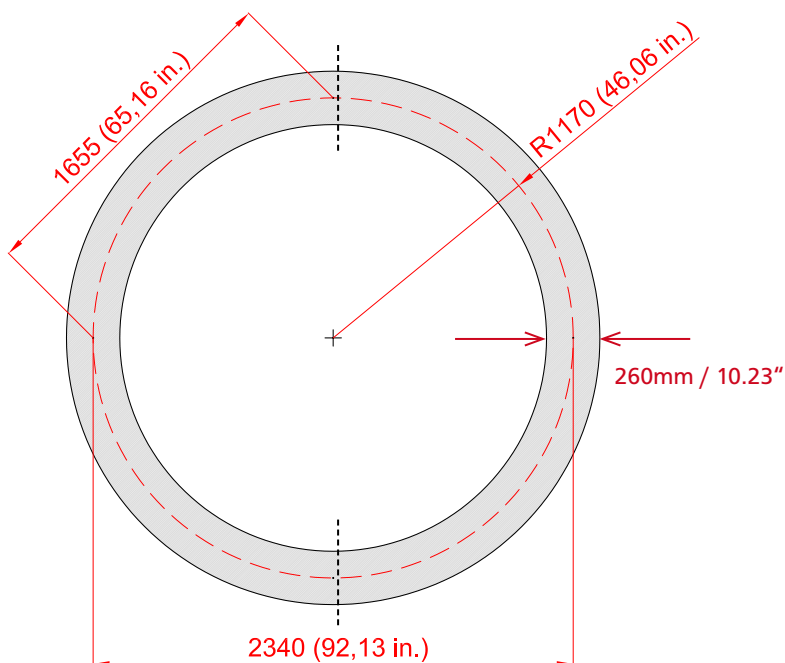
ANELLO Ø 1600 mm / 62.99"

4 Suspension Points



ANELLO Ø 2000 mm / 78.74"

4 Suspension Points



ANELLO Ø 2600 mm / 102.36" / 2 parts

4 Suspension Points

Pendant Light ANELLO

3. Attachment of steel cable suspension Straight suspension or trapeze suspension

The steel cable bracket supports static loads. Requirement for safe use is a attachment to the ceiling (wall plug, hoes, etc.) which is supporting a ultimate load of 39.7 lb (45 kg). Attachment should be performed by a technician.

Insert the lower ends of the steel cable to the premounted steel cable brackets on the light fixture. Through soft pressure on the spring-loaded nozzle of the steel cable bracket it is smoothly adjustable upward or downward to the desired position. As soon as there is load on the steel cable bracket, it will secure itself and it won't slide in any directions.

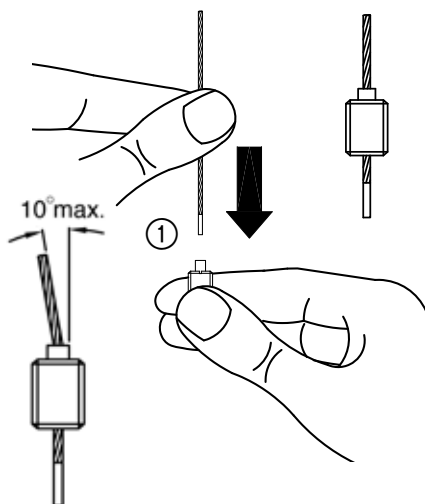
To adjust it again: lift the light fixture to relieve load of the steel cable brackets (!), give a soft push with your finger to the nozzle ①, now it is adjustable to any position again.

Please make sure that the steel cable is insert at least so far that it is visible at the lower end of the premounted bracket. If required cut the superfluous cable.

Advice:

The steel cable brackets are just for indoor use. Cables need to be flawless. The nozzle of the steel cable bracket must show noticeable spring loaded pressure. To ensure the full load capacity the cables shouldn't be greasy or rusty.

The steel cable brackets are just for use of supplied steel cables at static load.



The exit angle of the steel cable at the nozzle should on no account be more than 10°.

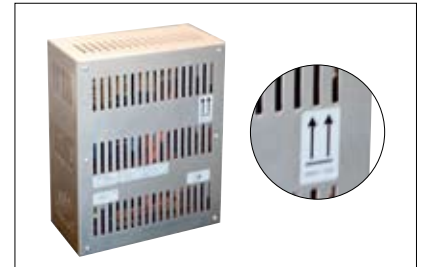
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4. Installation of TU (technical unit) or canopy

The TU has to be mounted vertical (not the canopy) to guarantee air circulation.

It shouldn't be mounted horizontal. Connect the external power supply line to the TU. Please take note of the numbering on the strands ,when connecting the supply line between TU and light fixture. The distance between TU and light fixture should not be more than 10 meters.



4.1 Connection template

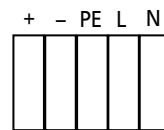
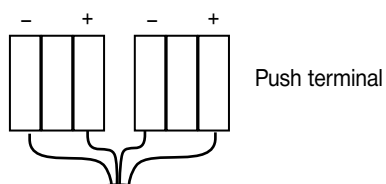
The connection has to be done in accordance to the terminal assignment. This varies depending on the diameter and the technical composition. Please connect pairwise.



Pattern sample 1 - 10V / white

Technikeinheit / Baldachin

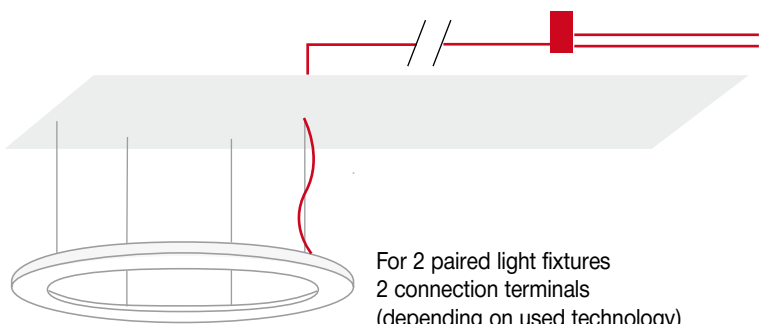
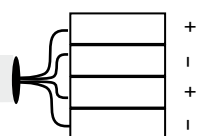
TU



90 - 260V AC
50/60 Hz

**External
supply line**

**Light
fixture**



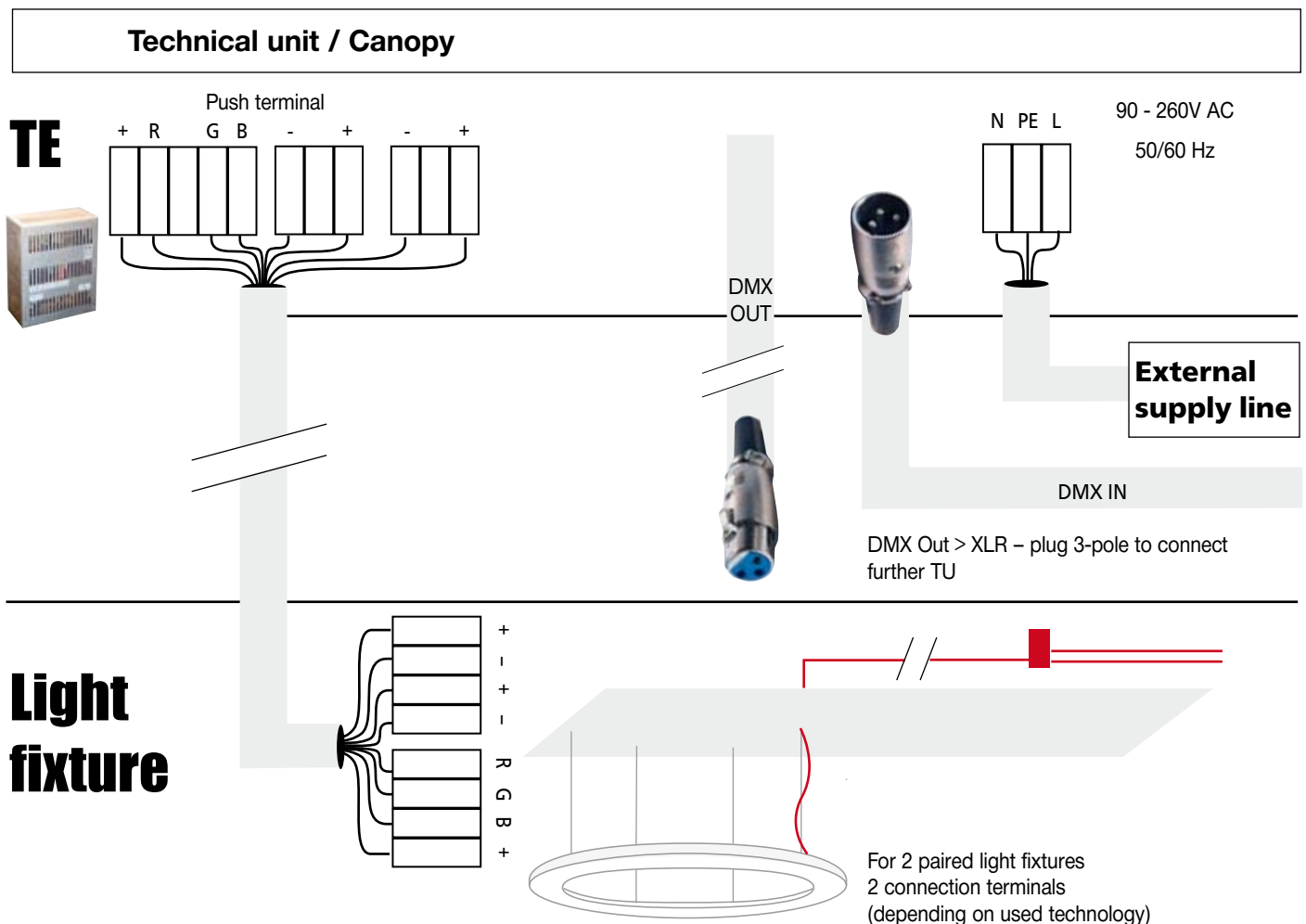
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4.2 Connection template

The connecting has to be followed as already marked by terminal assignment. This varies depending on the diameter of the light and technical composition. Please connect pairwise.

Pattern sample RGB/White DMX



Pendelleuchte ANELLO



5. Connecting the light fixture

Make sure all cables are deenergized, so there is no voltage. Electricity can cause injuries.



Install with the enclosed screwdriver and premounted push terminals at the top of the aluminium housing, according to the connection template.

To prevent untwisting of the textile cable coating, please use electrical tape for fixation.

A cable tie ensures cable relief.

Then place opal plexiglass cover on top of the housing and fix it using the enclosed screws.

Check functionality of light fixture



Assembly instruction RGB, X-Fade 6-channel control panel

Control unit with infrared remote

1. Product description

Below you will find the essential performance characteristics

- USITT DMX-512(1990) cutting point
- Up to 6 DMX channels and 6 dedicated faders
- 6 programmable scenes with up to 100 steps per scene
- Fade time individually adjustable or with Master-fade for all channels
- There is a Preset-button per scene
- led status indicator on panel
- Junction box
- US and EU version available

2. Control panel

Fader (ch1-ch6):

Controls intensity of respective channels

Master-fader:

controls either intensity of all channels or overall brightness

Scene button (sc1-sc6)

to select pre-programmed scenes as output profile

Scene status LED (1-6)

These 6 LEDs show the current fade time between scenes
LEDs show change in realtime

O/P button:

Push the O/P button to switch off all outputs or to start/stop the recording mode

O/P status LED:

Indicates if output are switched on or off

Infrared sensor:

Control command of the remote control will be received here

Rj45 interface:

To connect via Ethernet cable to junction box



3. Technical specifications

Power supply	via junction box
Connection	RJ 45 interface
IP class	IP 20
Driver-protocol	DMX-512(1990)
Compliance	CE
Operating temperature	-10°C to +50°C
Dimensions US	120(L) x 76 (B) x 15,5 (H) mm
Dimensions EU	85(L) x 85 (B) x 15,5 (H) mm
Weight	630g (EU), 650g (US)
Content	1 X-Fade-6, 1 remote control, 1 junction box

Assembly instruction RGB, X-Fade 6-channel control panel

4.1 Recording of scenes

- 4.1.1 Push and hold the O/P button 3 seconds, till the status LED beside the button starts to flash red. Now the recording mode is active, and you can release the button.
- 4.1.2 If the scene is already saved, the related LED is on. To delete the scene push and hold the button for 2 seconds. All LEDs will start to flash 3 times. Now the scene is deleted.
- 4.1.3 Press the scene button for the scene you would like to record to. The scene status LED will start to flash.
- 4.1.4 Adjust the fader to the desired brightness for the first step of the scene. To save the first step, press the scene button. All LEDs will flash 3 times, and the step will be saved.
- 4.1.5 Repeat 4.1.4 to add further steps up to 100 steps per scene may be programmed.
- 4.1.6 To record additional scenes repeat 4.1.3 - 4.1.5.
- 4.1.7 If you finished with recording all your scenes press and hold the O/P button to leave recording mode. After a blue LED will light up, recording mode is closed.
Notice: if following steps are identically, they will be automatically saved as one, but the fade time will double.

4.2 Allocate fade time

- 4.2.1 Press and hold scene button of the desired scene till the status LED starts to flash.
- 4.2.2 Hold the scene button and adjust simultaneously with the master-fader the fade time.
- 4.2.3 Release button, all LEDs will flash 3 times.
- 4.2.4 To configure further fade times repeat 4.2.1 - 4.2.3

4.3 Set switch-off time

- 4.3.1 Select recording mode, see above 4.1.1
- 4.3.2 Adjust master-fader to desire time (Max. 600s)
- 4.3.3 If you are satisfied with the selected adjustment, press the O/P button to save. All LEDs will flash 3 times.
- 4.3.4 Leave recording mode, see 4.1.7

Assembly instruction RGB, X-Fade 6-channel control panel

4.4 Define controllable channels

- 4.4.1 Unplug X-Fade and junction box from energy.
- 4.4.2 Select required channels by setting channel number related fader to maximum. If channel 1 is set maximum, channel 1 will be adjustable. If you set channel 3 to maximum too, 2 channels (1 & 3) will adjustable, you can choose up to 6 channels.
- 4.4.3 Set master-fader to maximum.
- 4.4.4 Press and hold O/P Button, and switch on power supply again. Now release O/P button, all LEDs will flash 3 times.

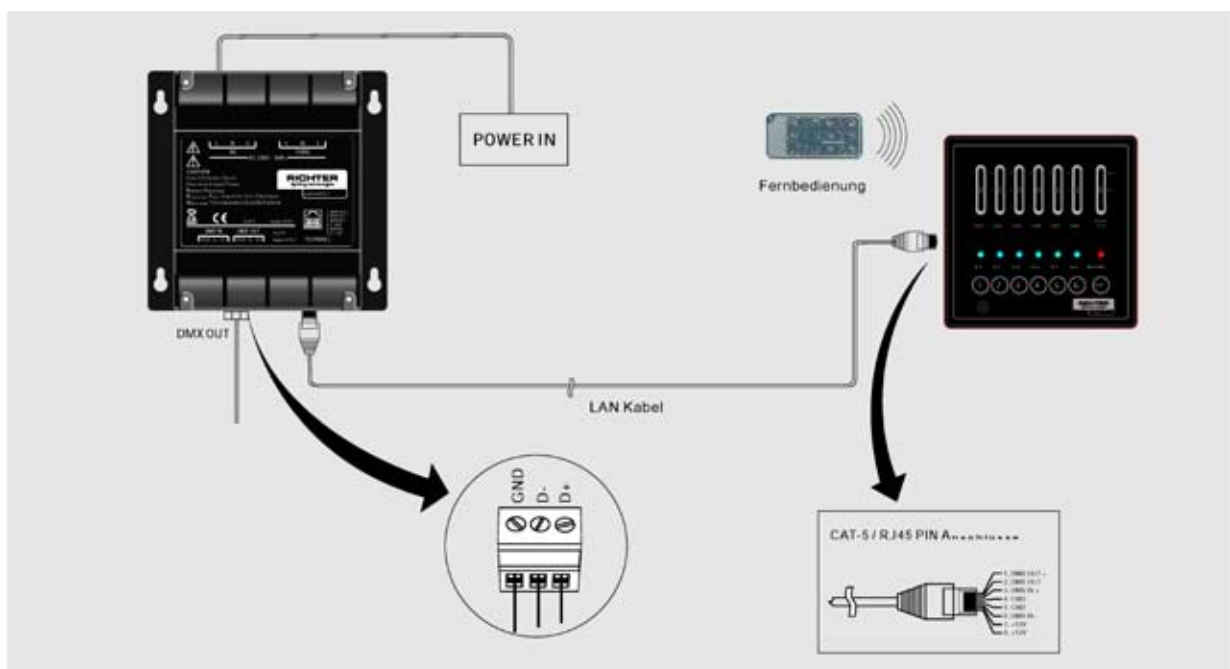
4.5 Play scenes

- 4.5.1 Only previously saved scenes can be played.
- 4.5.2 Press according scene button to select and play desired scene.
- 4.5.3 This can also be done by remote control

4.6 Restore Scene

- 4.6.1 Unplug X-Fade and junction box from energy.
- 4.6.2 Press and hold the scene button, which you want to restore and switch power back on. All LEDs will flash 3 times.

5.0 System connection



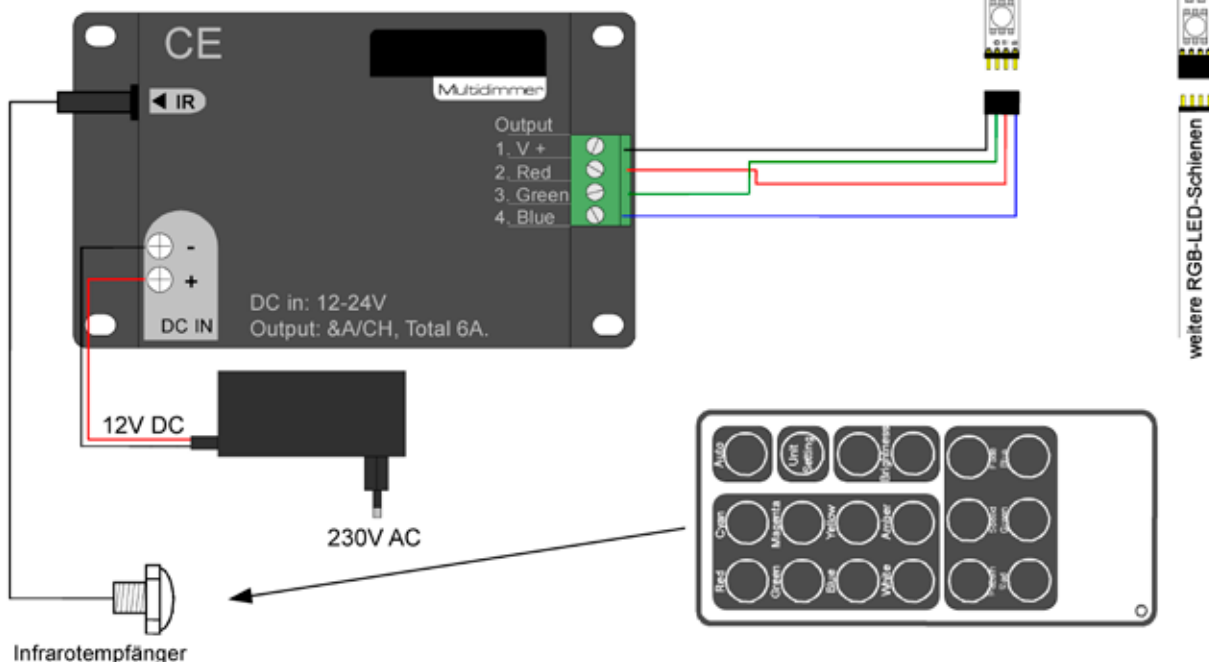
Assembly instruction RGB, Multidimmer

Important safety instructions

Make sure all components are unplugged during installation. Components should never come in contact with water or splash water. Just for indoor use. Please check all components before installation and maintain regularly. If one of the components is damaged it may no longer be used. Keep children out of reach of the installation.

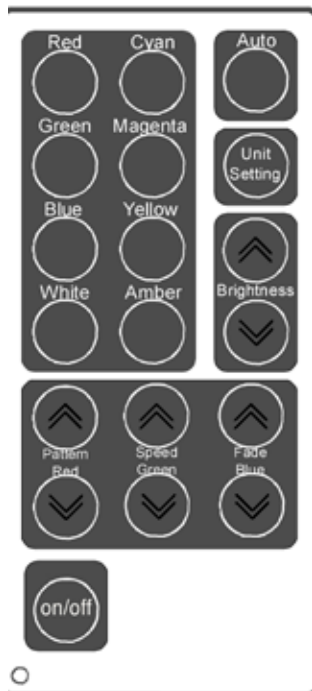
Installation

make sure all components are unplugged. Plug in the infrared phone jack into the multi-dimmer. Connect the RGB-output-cable to the multi-dimmer output. Please pay attention to the right order of colors. Connect the first LED-bar or LED-flexband with the RGB-output-cable. Check for polarity, and connect the power supply with the multi-dimmer. There might be an on-off switch, depending on the version. Check if the LED-bar or flex band is lighting. Unplug power supply again and connect the remaining parts.



Bedienungsanleitung RGB, Multidimmer Infrarot

Tastenfunktionen



Taste	Funktion
Red	Farbe wechselt auf Rot, 100% Helligkeit
Green	Farbe wechselt auf Grün, 100% Helligkeit
Blue	Farbe wechselt auf Blau, 100% Helligkeit
White	Farbe wechselt auf Weiss, 100% Helligkeit
Cyan	Farbe wechselt auf Cyan, 100% Helligkeit
Magenta	Farbe wechselt auf Magenta, 100% Helligkeit
Yellow	Farbe wechselt auf Gelb, 100% Helligkeit
Amber	Farbe wechselt auf Bernstein, 100% Helligkeit
Auto	Wechsel in den Programm-Modus, 100% Helligkeit
▲Brightness	Helligkeit erhöhen
▼Brightness	Helligkeit verringern
Die folgenden Tasten haben jeweils eine Doppelfunktion. Der an erster Stelle stehende Befehl wird ausgeführt, wenn der Programm-Modus (Auto) aktiv ist, der an zweiter Stelle stehende Befehl wird ausgeführt, wenn eine Standardfarbe per Knopfdruck (Red, Green, Blue usw.) angewählt wurde.	
▲ Pattern/ Red	Zum nächsten Programm wechseln / Helligkeit der roten LED erhöhen.
▼ Pattern/ Red	Zum vorherigen Programm wechseln / Helligkeit der roten LED verringern.
▲ Speed/ Green	Geschw. des Farbwechsels erhöhen / Helligkeit der grünen LED erhöhen.
▼ Speed/ Green	Geschw. des Farbwechsels verringern / Helligkeit der grünen LED verringern.
▲ Fade/ Blue	Fliessender Farbwechsel erhöhen / Helligkeit der blauen LED erhöhen.
▼ Fade/ Blue	Fliessender Farbwechsels verringern / Helligkeit der blauen LED verringern.
Unit Settings	Keine Funktion.

Anmerkungen

Anzahl Programme: 10

Anzahl Geschwindigkeitsstufen: 10 (von 0.5s bis 500s)

Anzahl Fadestufen: 10

Bedienungsanleitung RGB, Multidimmer Infrarot

Programmbeschreibung

Programm Farbwechsel

Nr. 1	Rot, Grün, Blau
Nr. 2	Rot, Aus, Grün, Aus, Blau, Aus
Nr. 3	Gelb, Cyan, Magenta
Nr. 4	Gelb, Aus, Cyan, Aus, Magenta, Aus
Nr. 5	Rot, Gelb, Grün, Cyan, Blau, Magenta
Nr. 6	Rot, Aus, Gelb, Aus, Grün, Aus, Cyan, Aus, Blau, Aus, Magenta, Aus
Nr. 7	Rot, Magenta, Weiss, Cyan, Grün, Gelb, Weiss, Magenta, Blau, Cyan, Weiss, Gelb
Nr. 8	Rot, Aus, Magenta, Aus, Weiss, Aus, Cyan, Aus, Grün, Aus, Gelb, Aus, Weiss, Aus, Magenta, Aus, Blau, Aus, Cyan, Aus, Weiss, Aus, Gelb
Nr. 9	Rot, Magenta, Blau, Cyan, Magenta, Rot, Gelb, Cyan, Blau, Magenta, Weiss, Rot, Magenta, Blau, Cyan, Gelb, Rot, Gelb, Cyan, Blau, Magenta, Weiss
Nr. 10	Rot, Aus, Magenta, Aus, Blau, Aus, Cyan, Aus, Magenta, Aus, Rot, Aus, Gelb, Aus, Cyan, Aus, Blau, Aus, Magenta, Aus, Weiss, Aus, Rot, Aus, Magenta, Aus, Blau, Aus, Cyan, Aus, Gelb, Aus, Rot, Aus, Gelb, Aus, Cyan, Aus, Blau, Aus, Magenta, Aus, Weiss

Störungsbeseitigung

Problem	Ursache	Abhilfe
RGB-Kontroller reagiert nicht auf Knopfdruck der Fernbedienung. LEDs leuchten nicht.	Netzteil vielleicht falsch angeschlossen.	Stellen Sie sicher, dass das Netzteil richtig in eine Netzdose eingesteckt ist.
	Schalter des Netzteils (falls vorhanden) ist vielleicht auf Position "Aus".	Schalter des Netzteils auf Position "Ein" schalten.
	Der Plus- und Minuspol am Netzteil wurden vielleicht kurzgeschlossen. Kurzschlussicherung wurde aktiviert.	Trennen Sie das Netzteil von der Netzdose und warten Sie 30 Sekunden. Stecken Sie danach das Netzteil wieder in die Netzdose.
	Keine direkte Verbindung der Fernbedienung zum Infrarotempfänger des RGB-Kontrollers.	Infrarotempfänger so platzieren, dass eine direkte Verbindung zur Fernbedienung gewährleistet ist.
	Klinkenstecker des Infrarotempfängers nicht richtig eingesteckt.	Klinkenstecker des Infrarotempfängers richtig einstecken.
	Klinkenstecker des Infrarotempfängers wurde kurzfristig ausgesteckt.	Trennen Sie das Netzteil von der Netzdose und warten Sie 10 Sekunden. Stecken Sie danach das Netzteil wieder in die Netzdose.
	Die Batterie ist vielleicht nicht eingesetzt.	Setzen Sie die Batterie ein.
	Die Batterie ist vielleicht erschöpft.	Ersetzen Sie die erschöpfte Batterie durch eine neue.
Eine oder mehrere LED-Schienen (oder Flexband) leuchten nicht.	Eine oder mehrere LED-Schienen wurden vielleicht verpolt angeschlossen.	Trennen Sie das Netzteil von der Netzdose. Stecken Sie die LED-Schiene, welche nicht leuchtet, aus. Damit die Polarität stimmt, muss nun der Anschlussstecker auf der anderen Seite der LED-Schiene angeschlossen werden. Bitte achten Sie auf die Markierung "RGB" auf der LED-Schiene. Dies ist jeweils die Eingangsseite der LED-Schiene (siehe Abb. Vorderseite).

