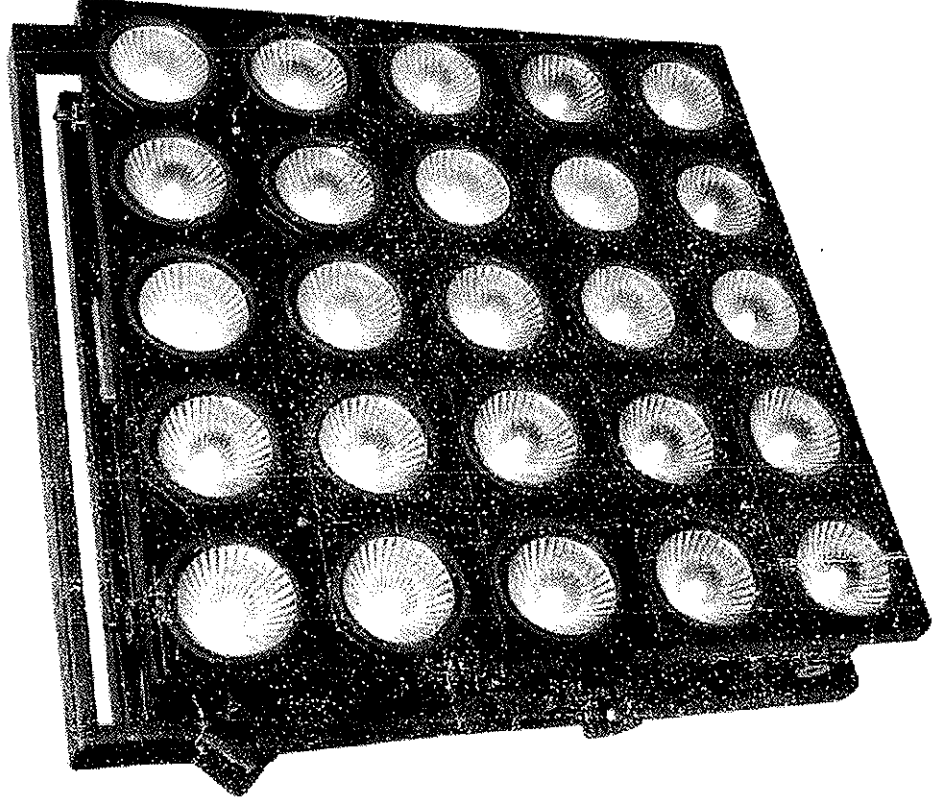
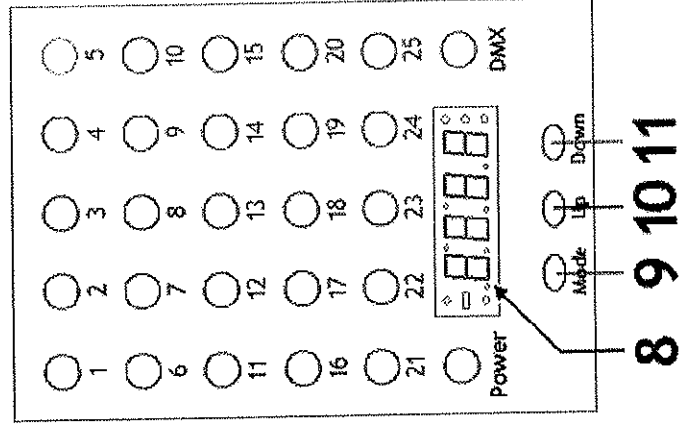
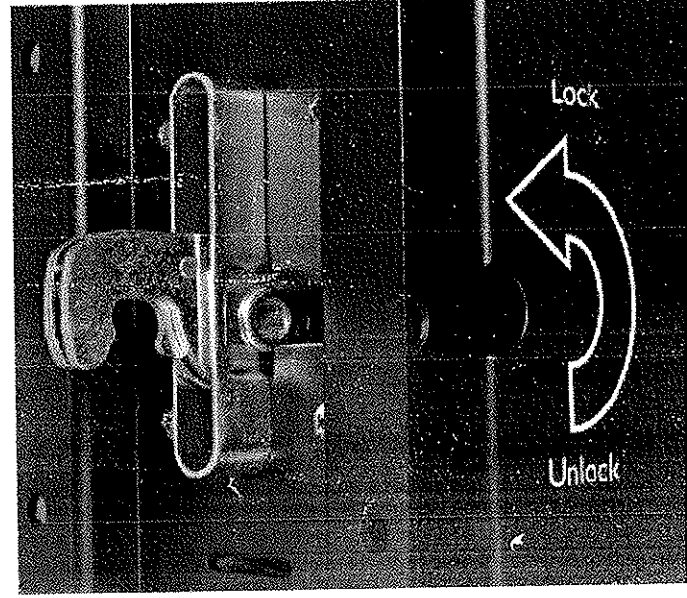
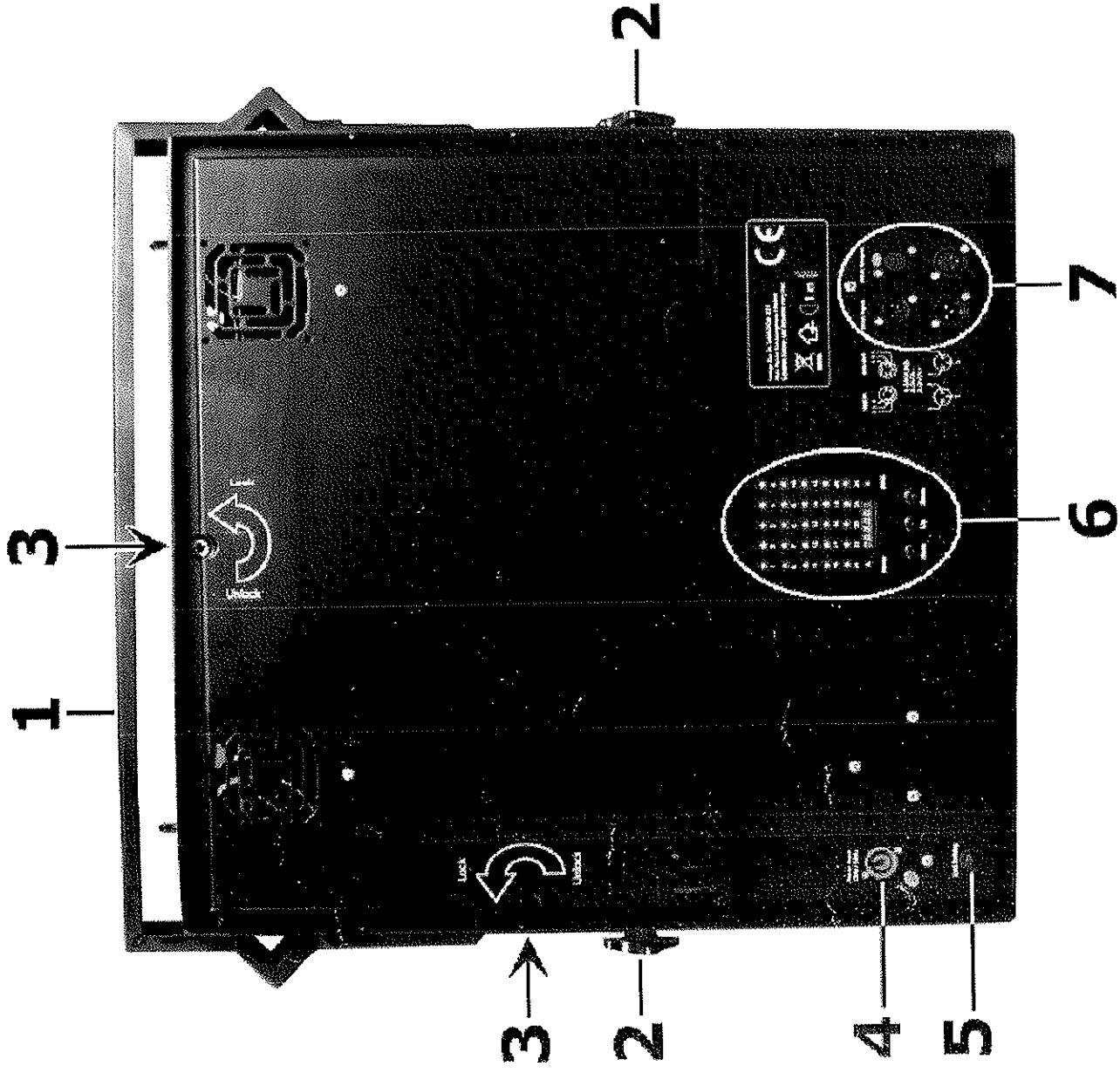


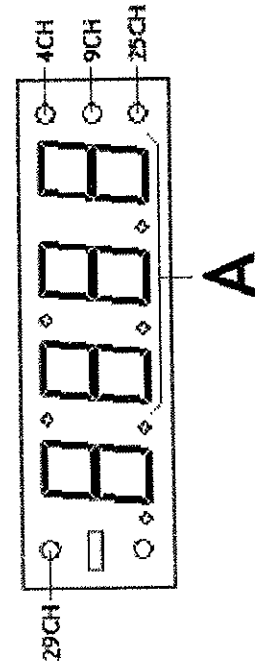
OP BLINDER 25

Orlando Productions

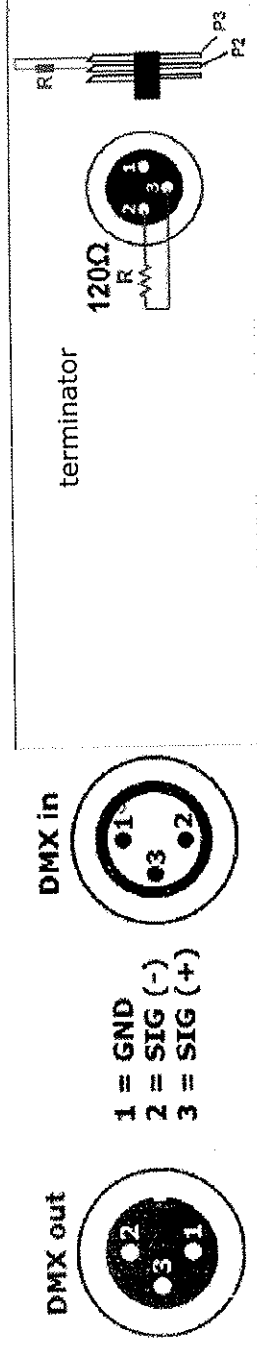


CE



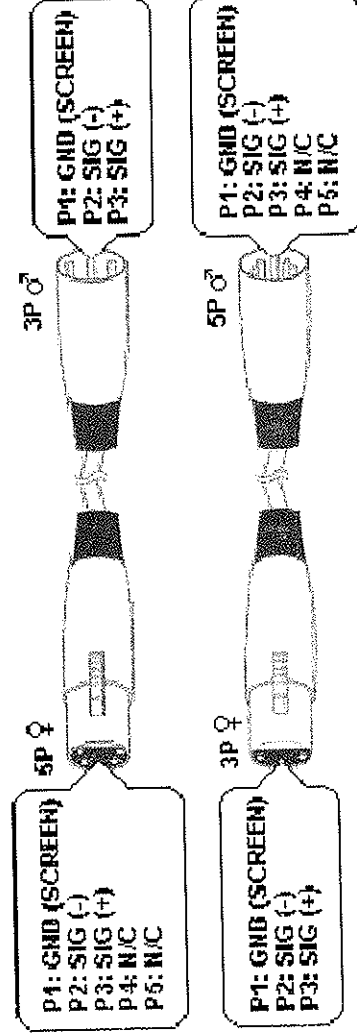


A = address



- 1 = GND
- 2 = SIG (-)
- 3 = SIG (+)

How to turn the controller line from 3-pins into 5-pins (plug and socket):



Lamp

Allowed lamp models*:

Osram Par 30 E27 Spot 75W 2000 hr, Beam angle: 30°



Technical specifications

power supply	230-240VAC ~50/600Hz (via Powwercon)
power consumption	1900W
lamps in device	25 x PAR30 75W/2400V, E27 (LAAMP75P30FFL or LAMP75P30SP, notn incl.)
DMMX512	3- and 5-pole XLR innputs/outputs
dimnensions	610 x 6100 x 150mm
weight	17.5kg

Use this device with original accessories only. The factory cannot be held responsible in the event of damage or injury resulted from (incorrect) use of this device.

- The **Blinder 25** is designed to be mounted on the floor or on a gantry. It is equipped with an interlocking mechanism [3] which makes it possible to physically connect multiple **Blinder 25** blinders. **Note:** to use the interlocking mechanism [3], the bracket nuts [2] and bracket [1] must be removed. Use an appropriate hex-key to engage/disengage the lock.
- Have the device installed by a qualified person, respecting EN 60598-2-17 and all other applicable norms.
- The carrying construction must be able to support 10 times the weight of the device for 1 hour without deforming.
- The installation must always be secured with a secondary attachment e.g. a safety cable when mounted overhead.
- Never stand directly below the device when it is being mounted, removed or serviced. Have a qualified technician check the device once a year and once before you bring it into service.
- Install the device in a location with few passers-by that is inaccessible to unauthorised persons.
- Adjust the desired inclination angle via the mounting bracket and tighten the bracket screws.
- Make sure there is no flammable material within a 0.5 m radius of the device.
- Have a qualified electrician carry out the electric connection. Note that only one type of DMX cabling can be used (either 3 pins or 5 pins). Make sure the cabling is not stressed and doesn't run over sharp edges.
- Connect the device to the mains with the included Powercon power cable. Do not connect it to a dimming pack.
- The installation has to be approved by an expert before the device is taken into service.

Connection to the AC Power Supply



The AC socket providing power to the **Blinder 25** must be properly and separately earthed. Do not use any other AC cords than the one provided or any other AC cord not authorized by the manufacturer.

- Simply insert the supplied AC power cord into the power input [4] and insert the power plug into a suitable wall outlet.

DMX Connection

Refer to the illustrations on page 2 of this manual.

- Connect an XLR cable to the female 3-pin or 5-pin XLR output of a controller (not incl.) and the other side to the male 3-pin or 5-pin XLR input [7] of the **Blinder 25**.
- Multiple **Blinder 25** can be linked through serial linking. The linking cable should be a dual core, screened cable with XLR input and output connectors. The max. number of linked devices on a DMX link depends on the used channel mode (see below):

- 4CH = 128 devices
- 9CH = 56 devices
- 25CH = 20 devices
- 29CH = 17 devices

Note: Provide only 1 DMX input signal to each device, use only 1 DMX output. **Do not** mix 3 pins and 5 pins DMX cabling e.g. when the DMX controller is connected to the 3 pins input connector, the 3 pins output connector must also be used.

- A DMX terminator is recommended for installations where the DMX cable has to run a long distance or is in an electrically noisy environment (e.g. discos). The terminator prevents corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor between pins 2 and 3, which is then plugged into the XLR output socket of the last device in the chain.

7. Operation

- The **Blinder 25** can work in 4 DMX-modes: 4 channel, 9 channel, 25 channel and 29 channel.
- Press the mode button [9] to select the desired mode.press more than 3 seconds
- Press the UP- [10] or DOWN- [11] buttons to set the appropriate DMX-address.

Notes:

- All DMX-controlled devices need a digital start address so that the correct device responds to the signals. This digital start address is the channel number from which the device starts to "listen" to the DMX controller. The same starting address can be used for a whole group of devices or an individual address can be set for every device.
- When all devices have the same address, all the units will "listen" to the control signal on one particular channel. In other words: changing the settings of one channel will affect all devices simultaneously. If you set individual addresses, each device will "listen" to a separate channel number. Changing the settings of one channel will only affect the device in question.

- Example: when using in 25-channel mode, you will have to set the start address of the first unit to 001 (CH1~25), the second unit to 026 (1 + 25) (CH26~51), the third to 051 (26 + 25) (CH52~77), and so on.

7.1 4 channel mode (4CH): basic mode

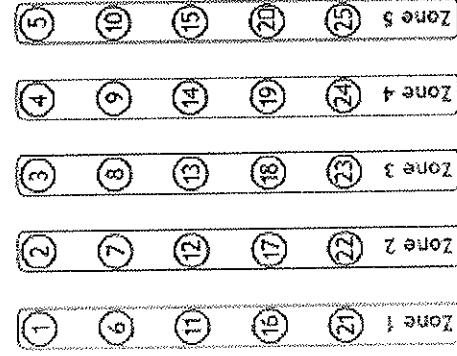
CH1	General dimmer 0 ~ 100%
CH2	static macros
CH3	dynamic macros
CH4	set speed for CH3

Notes:

- When a signal is present on **CH3**, **CH2** is ignored (overridden). Only when no signal is present on **CH3** will the value on **CH2** display the corresponding static macro.
- Dynamic macros and set speed are explained in detail in **\$7.5** resp **\$7.6**.

7.2 9 channel mode (9CH): zone mode

- In 9 channel mode, the blinder is divided in to 5 zones that can be dimmed individually. Each zone is vertical row of lamps (see image).



CH1	General dimmer 0 ~ 100%
CH2	static macros
CH3	dynamic macros
CH4	set speed for CH3
CH5	zone 1 dimmer 0 ~ 100%
CH6	zone 2 dimmer 0 ~ 100%
CH7	zone 3 dimmer 0 ~ 100%
CH8	zone 4 dimmer 0 ~ 100%
CH9	zone 5 dimmer 0 ~ 100%

Notes:

- When a signal is present on **CH3**, **CH2** is ignored (overridden). Only when no signal is present on **CH3** will the value on **CH2** display the corresponding static macro.
- Dynamic macros and set speed are explained in detail in **\$7.5** resp **\$7.6**.

7.3 25 channel mode (25CH): matrix mode

- In 25 channel mode, the dim level of each lamp can be controlled individually (see table below).

CH1	lamp 1 dimmer 0 ~ 100%
CH2	lamp 2 dimmer 0 ~ 100%
CH3	lamp 3 dimmer 0 ~ 100%
CH4	lamp 4 dimmer 0 ~ 100%
CH5	lamp 5 dimmer 0 ~ 100%
CH6	lamp 6 dimmer 0 ~ 100%
CH7	lamp 7 dimmer 0 ~ 100%
CH8	lamp 8 dimmer 0 ~ 100%
CH9	lamp 9 dimmer 0 ~ 100%
CH10	lamp 10 dimmer 0 ~ 100%
CH11	lamp 11 dimmer 0 ~ 100%
CH12	lamp 12 dimmer 0 ~ 100%
CH13	lamp 13 dimmer 0 ~ 100%

CH14	lamp 14 dimmer 0 ~ 100%
CH15	lamp 15 dimmer 0 ~ 100%
CH16	lamp 16 dimmer 0 ~ 100%
CH17	lamp 17 dimmer 0 ~ 100%
CH18	lamp 18 dimmer 0 ~ 100%
CH19	lamp 19 dimmer 0 ~ 100%
CH20	lamp 20 dimmer 0 ~ 100%
CH21	lamp 21 dimmer 0 ~ 100%
CH22	lamp 22 dimmer 0 ~ 100%
CH23	lamp 23 dimmer 0 ~ 100%
CH24	lamp 24 dimmer 0 ~ 100%
CH25	lamp 25 dimmer 0 ~ 100%

Notes:

- When a signal is present on **CH3**, **CH2** and **CH5~CH25** are ignored (overridden).
- When a signal is present on **CH2** and no signal is placed on **CH3**, **CH5~CH25** are ignored (overridden).
- Only when there are no signals on **CH2** or **CH3** will the signals on **CH5~CH29** become valid and the corresponding lamp will be dimmed.

- Dynamic macros and set speed are explained in detail in **\$7.5** resp **\$7.6**.

7.4 29 channel mode (29CH): extended mode

- Extended mode is a combination of basic mode (CH4) and matrix mode (CH25).

CH1	General dimmer 0 ~ 100%
CH2	static macros
CH3	dynamic macros
CH4	set speed for CH3
CH5	lamp 1 dimmer 0 ~ 100%
CH6	lamp 2 dimmer 0 ~ 100%
CH7	lamp 3 dimmer 0 ~ 100%
CH8	lamp 4 dimmer 0 ~ 100%
CH9	lamp 5 dimmer 0 ~ 100%
CH10	lamp 6 dimmer 0 ~ 100%
CH11	lamp 7 dimmer 0 ~ 100%
CH12	lamp 8 dimmer 0 ~ 100%
CH13	lamp 9 dimmer 0 ~ 100%
CH14	lamp 10 dimmer 0 ~ 100%
CH15	lamp 11 dimmer 0 ~ 100%

CH16	lamp 12 dimmer 0 ~ 100%
CH17	lamp 13 dimmer 0 ~ 100%
CH18	lamp 14 dimmer 0 ~ 100%
CH19	lamp 15 dimmer 0 ~ 100%
CH20	lamp 16 dimmer 0 ~ 100%
CH21	lamp 17 dimmer 0 ~ 100%
CH22	lamp 18 dimmer 0 ~ 100%
CH23	lamp 19 dimmer 0 ~ 100%
CH24	lamp 20 dimmer 0 ~ 100%
CH25	lamp 21 dimmer 0 ~ 100%
CH26	lamp 22 dimmer 0 ~ 100%
CH27	lamp 23 dimmer 0 ~ 100%
CH28	lamp 24 dimmer 0 ~ 100%
CH29	lamp 25 dimmer 0 ~ 100%

7.5 Dynamic macros

- The **Blinder 25** contains 146 built-in programs. These are chase-effects with up to 35 steps.
- To select a built-in program, set the blinder to **4CH**, **9CH** or **29CH** mode and place the desired value on channel 3:

001~043	43 built-in programs
044 ~ 127	not available
128 ~ 230	103 built-in programs
231 ~ 255	not available

E.g. the 2nd built-in program (channel 3, **002**) contains following sentence which will be displayed in a looped sequence of 7 steps:
WELCOME

Note: it is not possible to program and store your own chase sequences.

7.6 Set speed

- In **4CH**, **9CH** and **29CH** mode the speed and direction of the dynamic macros (**CH3**) can be set.
- To select speed and direction, place the desired value on channel 4:

001~050	stop
051 ~ 150	0.1s~10s forward direction
151 ~ 250	0.1s~10s reverse direction
251 ~ 255	stop

Note: keep in mind that the lamp dimmers need a certain reaction time; when running at a high speed the lamps might not be dimmed fully between steps.

8. Maintenance

- Keep the ventilation openings clear at all times.
- Wipe the blinder regularly with a moist, lint-free cloth. Do not use alcohol or solvents.
- The internal circuit is protected by a 250V / 20A resettable fuse. When the fuse is de-activated, let the device cool down, determine and solve the error condition before re-activating the fuse.
- There are no internal user-serviceable parts. Contact your dealer for spare parts if necessary.