G-L-T
DESIGN 4 PROFESSIONAL

Manual
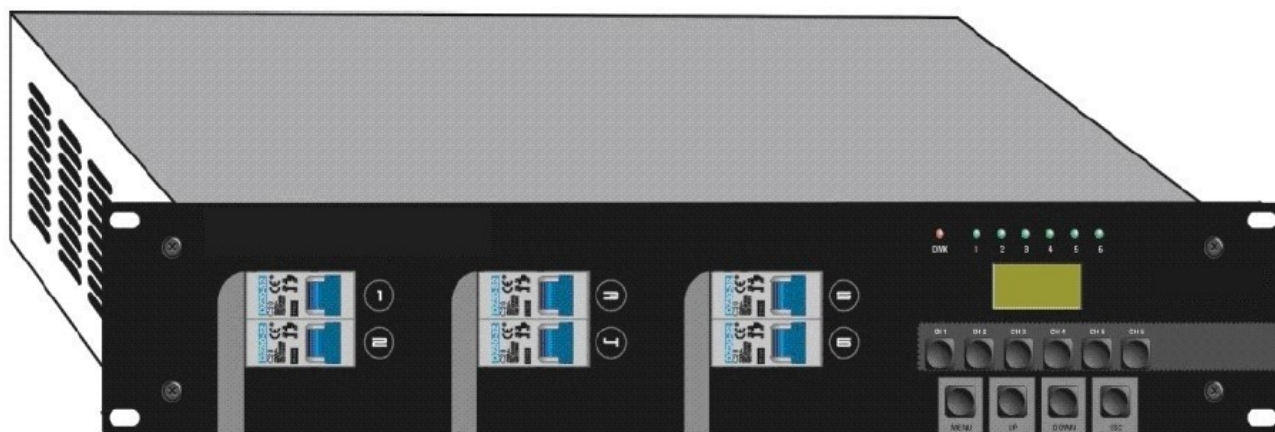
DP-6 T Dimmer Pack

Table of contents

1. Safety instructions

- Read the safety instructions and also this manual carefully.
- Keep the manual.
- Observe all red flags.
- Observe the manual.
- To prevent fire or electric shocks, protect the device against rain and humidity
- Pull the plug before opening the housing.
- To prevent an electric shock you should not remove the cover.
- Do not operate the device in the near of water.
- Use only a dry cloth for cleaning.

1.1. FOR SAFE AND EFFICIENT OPERATION

Be careful with heat and extreme temperature

Avoid exposing it to direct rays of the sun or near a heating appliance.

Not put it in a temperature bellow 41°F /5°C, or exceeding 95°F /35°C.

To avoid placing on un-stable location

Select a level and stable location to avoid vibration.

Do not use chemicals or volatile liquids for cleaning

Use a clean dry cloth to wipe off the dust, or a wet soft cloth for stubborn dirt. Pull the plug before cleaning.

If out of work, contact sales agency immediately

Any troubles arose, remove the power plug soon, and contact with an engineer for repairing, do not open the cabinet by yourself, it might result a danger of electric shock.

Take care with the power cable

Never pull the power cable to remove the plug from the receptacle, be sure to hold the plug. When not using the device for an extended period of time, be sure to disconnect the plug from the receptacle.

Ventilation

It is not allowed cover fans and air in and outlets.

Safety

Do not remove the grounding. It is for your safety. If you remove the grounding it can cause electric shocks.

Accessory

Please use only the accessory which is set by the manufacturer.

Important

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems. Make sure the electrical connection is carried out by qualified personnel. All electrical and mechanical connections have to be carried out according to the European safety standards.

2. Overview

2.1. Front view
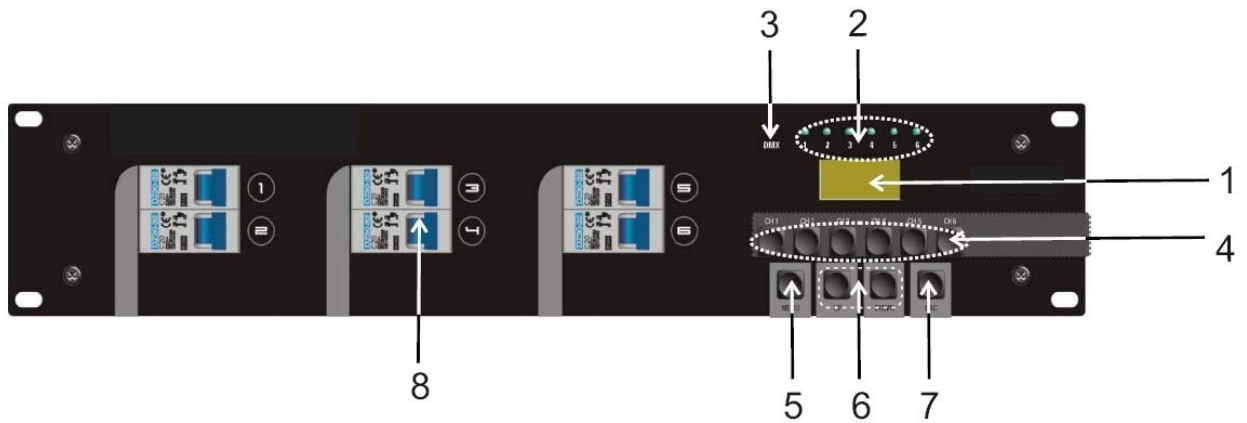
1. **LCD Display**
2. **Channel LED 1-6**
3. **DMX LED**

This LED lights up if a DMX signal is present.

4. **Channel buttons 1-6**

These buttons are used to change the intensity of corresponding channel.

5. **MENU**

With this button you can enter the menu.

6. **UP/DOWN buttons**

With this buttons you can scroll to the required point of menu or increase/decrease values.

7. **ESC Taste**

Tap this button to leave menu setting or save setting parameter. In the beginning menu, this button is used to reverse the change direction of channel setting.

8. **Circuit Breakers (20 A per channel)**

2.2. Rear view
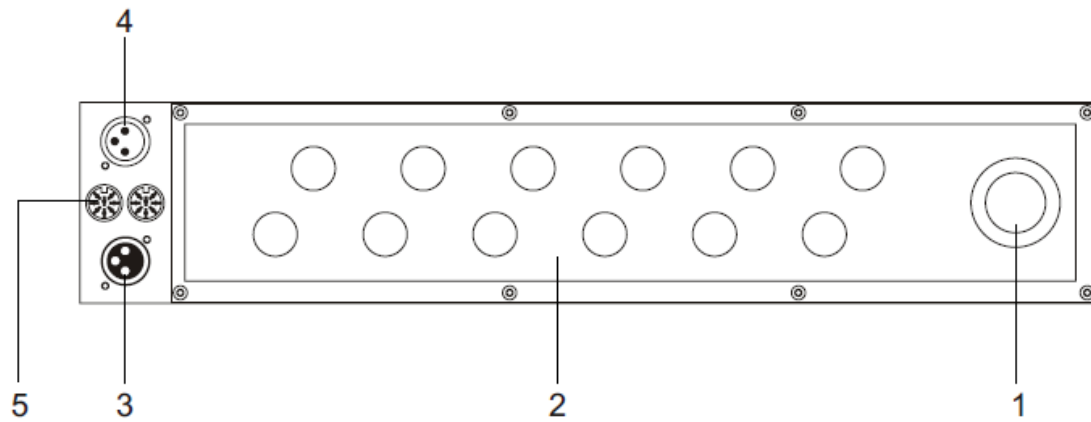
1. Power input

AC 230 V, 50/60 Hz, 120 A max.

2. Terminal

Phase (single): 20 A/channel, Total: 120 A

Three phases: 20 A/channel, Total: 40 A/Phase

3. DMX OUT

3pol XLR output female.

4. DMX IN

3pol XLR input male.

5. Analogue input

DC 0-10 V pulse signal

2.3. Wiring Diagram

SINGLE PHASE CONNECTION

E N CH1 N CH2 N CH3 N CH4 N CH5 N CH6   L1 L2 L3 N N N E

↑ L   ↑ N

LOADING

OUTPUT:
20A PER CHANNEL, TOTAL 120A

POWER INPUT:
AC 230V~ 50/60Hz

THREE-PHASE CONNECTION

E N CH1 N CH2 N CH3 N CH4 N CH5 N CH6   L1 L2 L3 N N N E

↑ L1 ↑ L2 ↑ L3   ↑ N

LOADING

OUTPUT :
20A PER CHANNEL, TOTAL 40A PER PHASE

POWER INPUT :
AC 230V~ 50/60Hz

SINGLE PHASE	POWER INPUT: ....AC 230V~ 50-60Hz, 120A MAX OUTPUT: ....20A /CH, Total 120A.	CAUTION	Risk of Electric Shock Disconnect Input Power Before Opening
THREE PHASE	POWER INPUT: ....AC 230V~ 50-60Hz, 120A MAX OUTPUT: ....20A/CH, Max 40A/Phase.		N'ouvrez pas..risque de choc electrique Warning :This apparatus must be earthed

1. Either three-phase four-wire input or single phase input is allowed.
2. When single phase input, L1, L2, L3 must be short-circuited via wires.
3. When three phase input, neutral wire must be securely connected.

3. Control

Apply power to this unit, firstly the LCD reads the revision of software. Then the display shows a row of dynamic images and a row of characters, the first row represents the intensity value, and the second row indicates the channel. .

3.1. Adjust channel intensity
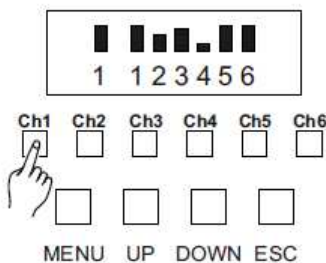
Tap the channel button to select the desired channel intensity, each tap will change intensity once.
If you press and hold the button the channel intensity will change quickly. If you tap the ESC button the direction of channel intensity will be reserved.

3.2. Adjust whole intensity
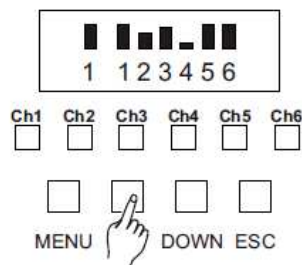
Tap the UP/DOWN buttons to increase/decrease the channel intensity. Each tap will change intensity once.
If you press and hold the button the channel intensity will change quickly.

3.3. Structure of the menu
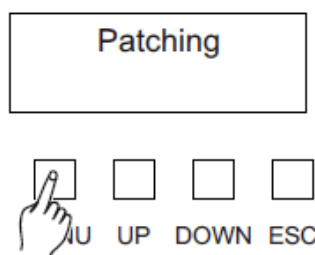
Tap MENU to enter the menu. .
There are 5 points of menu: **Patching**, **DMX Fail**, **MaxLevel**, **MinLevel** and **Curve**.
You can use UP/DOWN buttons to scroll through the menu. Tap ESC button to exit the menu.

3.3.1. Patching
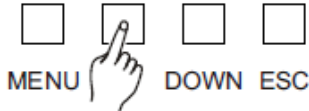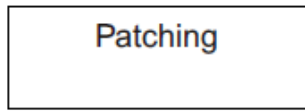
Patching

1. Tap UP/DOWN button to scroll to **Patching.**

MENU DOWN ESC

Patching
Start
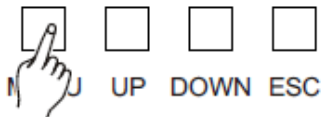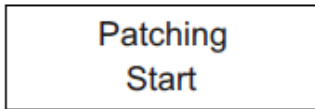
2. Tap MENU button to enter the submenu. You can use UP/DOWN buttons to select between **Start** and **Independent**.
Start: The DMX addresses of the individual channels, starting from the selected starting address, are sequentially.
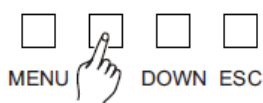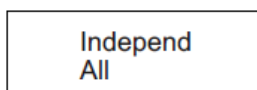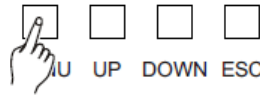**Independent**: The DMX address of each channel can be independently selected, so also all channels the same DMX address can be assigned.

U UP DOWN ESC

Patching
Start

+
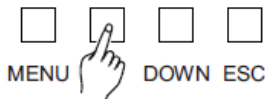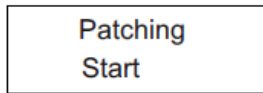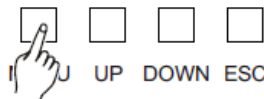
Start
Addr:001

3. Tap UP/DOWN button to scroll to **Start/Independent**. Tap the MENU button to choose the accordingly menu.

MENU DOWN ESC

U UP DOWN ESC
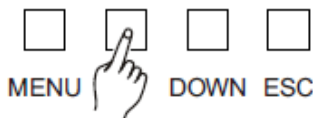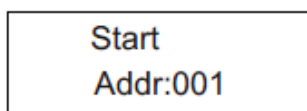
Start
Addr:001

4. In **Start**-mode, you can use the UP/DOWN buttons to select the starting address of the 6 channels.

MENU DOWN ESC

Independ
All

+

All
Addr:001
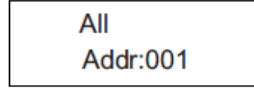
5. In **Independent**-mode you can choose with the UP/DOWN buttons between **All** and **Single**. Confirm by pressing the MENU button.

MENU DOWN ESC

U UP DOWN ESC

All
Addr:001

MENU ☝ DOWN ESC
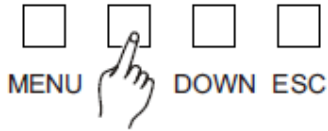
6. In **All**-mode you can set the DMX address with the UP/DOWN buttons In **All**-mode all channels have the same DMX address.

Independ
Chan[1]

☝U UP DOWN ESC
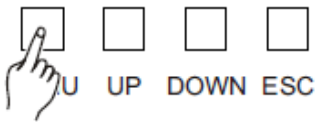
7. In **Single**-mode tap the MENU button, to select between channel and address.
In **Single**-mode the DMX address of each channel can be selected separately.

Chan[1]
Addr:001

MENU ☝ DOWN ESC
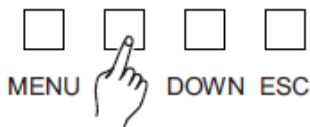
8. If channel is activated, tap the UP/DOWN buttons to choose between the channels 1-6. If address is activated, tap the UP/DOWN buttons to choose the DMX address 1-512.

Patching

MENU UP DOWN ☝
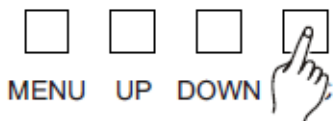
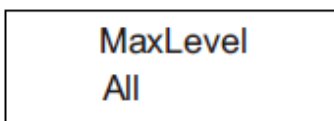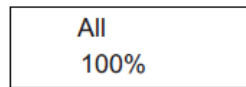9. Tap ESC button to save in memory and get back to step 1.

3.3.2. DMX Fail

Dmx fail

MENU ☝ DOWN ESC
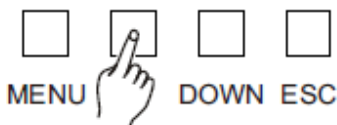
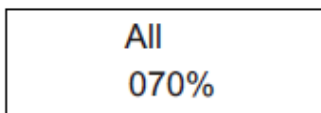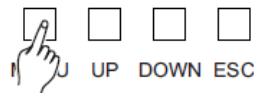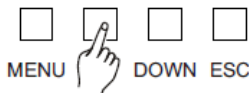1. Tap UP/DOWN button to scroll to **DMX Fail**.

Dmx fail
LastHold

MENU   UP   DOWN   ESC
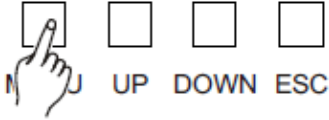
2. Tap MENU button to enter the submenu. You can use UP/DOWN buttons to select between **LastHold**, **Analog** and **Progrm01-12**.

LastHold: The DMX signal which was received at last is hold.

Analog: The analogue input (0-10 V) is activated.

Porgr:01-12: Starts built-in programs 1-12 automatically.

Dmx fail
Analog

MENU   UP   DOWN   ESC
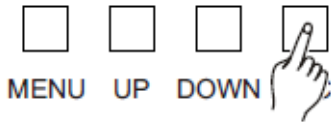
3. If you have select **LastHold** or **Analog**, you can tap the ESC button to conform your settings.

Velocity
00.05s

MENU   UP   DOWN   ESC
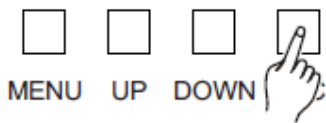
4. If you have select **Progr:01-12**-mode the **Velocity** menu is activated.

Velocity
00.05s

MENU   UP   DOWN   ESC

5. With the UP/DOWN buttons you can select the chasing velocity between 00.005s and 30.00.

Dmx fail

MENU   UP   DOWN   ESC
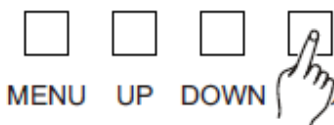
6. Tap ESC button to save in memory and get back to step 1.

3.3.3. MaxLevel

MaxLevel

□ □ □ □
MENU 👆 DOWN ESC

1. Tap UP/DOWN button to scroll to **MaxLevel**.
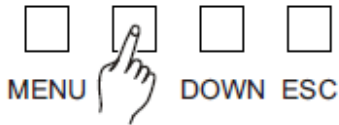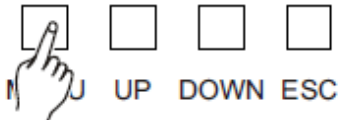
MaxLevel
All

□ □ □ □
👆 UP DOWN ESC

2. Tap MENU button to enter the submenu.

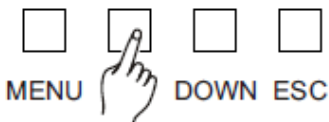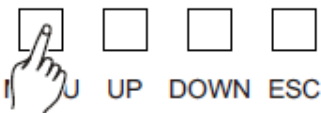MaxLevel
All

□ □ □ □
MENU 👆 DOWN ESC

+

All
100%

□ □ □ □
👆 UP DOWN ESC

3. You can use UP/Down buttons to select between **All** and **Single**. Tap the MENU button to choose the accordingly menu.
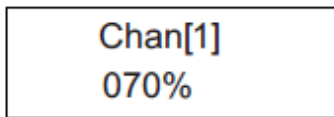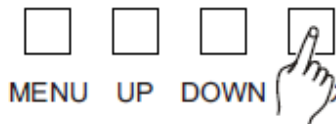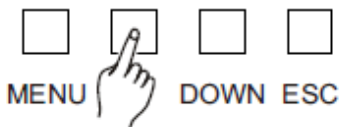
All
070%

□ □ □ □
MENU 👆 DOWN ESC

4. In **All** mode you can tap the UP/DOWN buttons between **MaxLevel** 70-100% for all channels.

Chan[1]
070%

□ □ □ □
👆 UP DOWN ESC
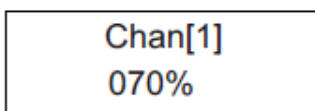
5. Tap the MENU button in **Single**-mode, to choose between the channel and **MaxLevel**.

Chan[1]
070%

MENU UP DOWN ESC

6. If channel is activated, tap the UP/DOWN buttons to choose between the channels 1-6. If level is activated, tap the UP/DOWN buttons to choose the **MaxLevels** 70-100%.

MaxLevel

MENU UP DOWN ESC
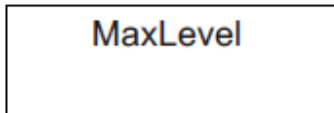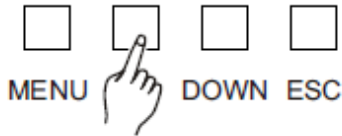
7. Tap ESC button to save in memory and get back to step 1.
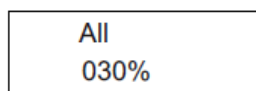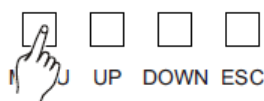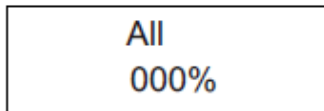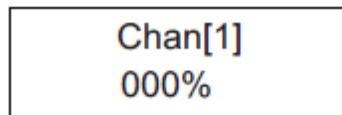
3.3.4. MinLevel

MinLevel

MENU UP DOWN ESC

1. Tap UP/DOWN button to scroll to **MinLevel**.
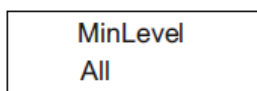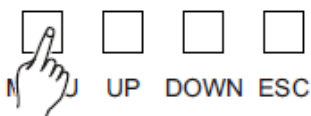
MinLevel
All

MENU UP DOWN ESC

2. Tap MENU button to enter the submenu.

MinLevel
All

＋

All
030%

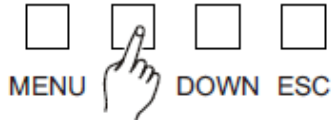MENU UP DOWN ESC   MENU UP DOWN ESC

3 You can use UP/Down buttons to select between **All** and **Single**. Tap the MENU button to choose the accordingly menu.
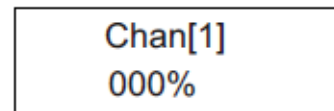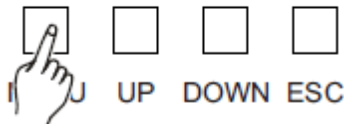
```
All
000%
```

☐ ☐✋ ☐ ☐
MENU DOWN ESC
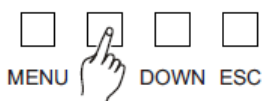
4. In **All** mode you can tap the UP/DOWN buttons to choose between **MinLevel** von 0-30% for all channels.

```
Chan[1]
000%
```

✋☐ ☐ ☐ ☐
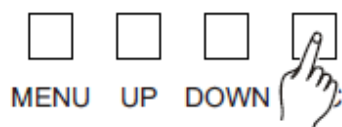I U UP DOWN ESC

5. Tap the MENU button in **Single**-mode, to choose between the channel and **MinLevel**.

```
Chan[1]
000%
```
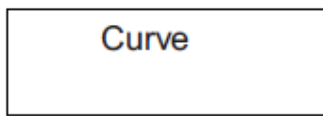
☐ ☐✋ ☐ ☐
MENU DOWN ESC

6. If channel is activated, tap the UP/DOWN buttons to choose between the channels 1-6. If level is activated, tap the UP/DOWN buttons to choose the **MinLevels** 0-30%.
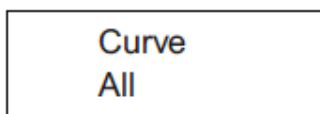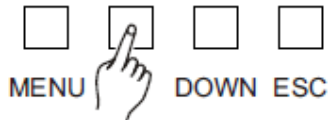
```
MinLevel
```

☐ ☐ ☐ ☐✋
MENU UP DOWN
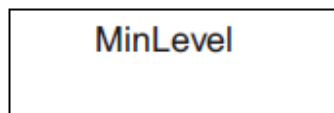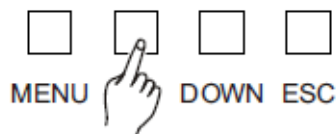
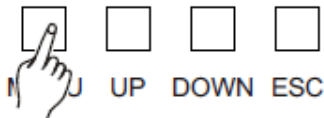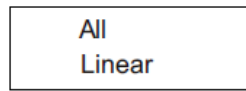7. Tap ESC button to save in memory and get back to step 1.

3.3.5. Curve

Curve

MENU   DOWN ESC

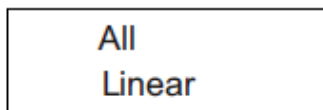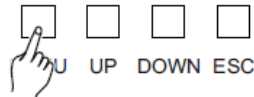1. Tap UP/DOWN button to scroll to **Curve**.
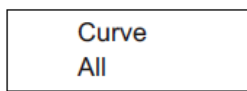
Curve
All

M͡U UP DOWN ESC

2. Tap MENU button to enter the submenu.
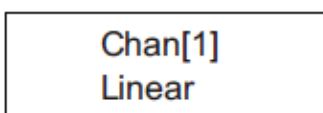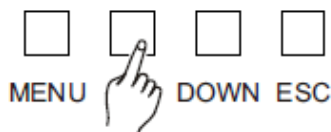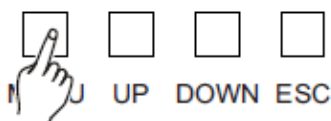
Curve
All

MENU   DOWN ESC

+

All
Linear

͡U UP DOWN ESC

3. You can use UP/Down buttons to select between **All** and **Single**. Tap the MENU button to choose the accordingly menu.

All
Linear

MENU   DOWN ESC
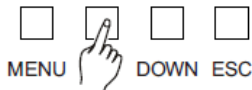
4. In **All** mode you can tap the UP/DOWN buttons to choose between **Linear, S-Curve, Non Dim und Square** for all channels.

Chan[1]
Linear

M͡U UP DOWN ESC

5. . Tap the MENU button in **Single**-mode, to choose between the channel and **Linear, S-Curve, Non Dim und Square**.

```
Chan[1]
Linear
```

MENU   DOWN ESC
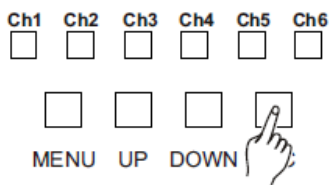
6. If channel is activated, tap the UP/DOWN buttons to choose between the channels 1-6. If curve is activated, tap the UP/DOWN buttons to choose the **Linear, S-Curve, Non Dim und Square**.

```
 1  1 2 3 4 5 6
```

Ch1 Ch2 Ch3 Ch4 Ch5 Ch6

MENU UP DOWN ESC
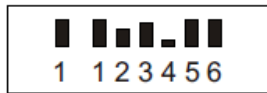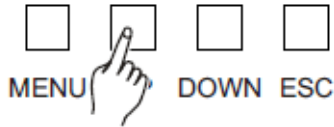
7. Tap ESC button to save in memory and get back to the main menu..

4. Technical dato

Power supply	
Channel Output (3 phases)	20 A/CH; 3x 32 A
Channel Output	20 A/CH; Total 120A
Voltage	32 A, 400 V AC
Connections	
Strom in	Terminal
Strom out	Terminal
XLR in/out	3pol XLR
Controlling	
Dimming curve	Linear
Switch	Switch/Square
Automatic	Yes
DMX512	Yes
Number of canals	6
Dimensions (L/B/H)	482 x 325 x 88 mm
Weight	8 kg

G - L - T
DESIGN 4 PROFESSIONAL

CE

3 701098 201870