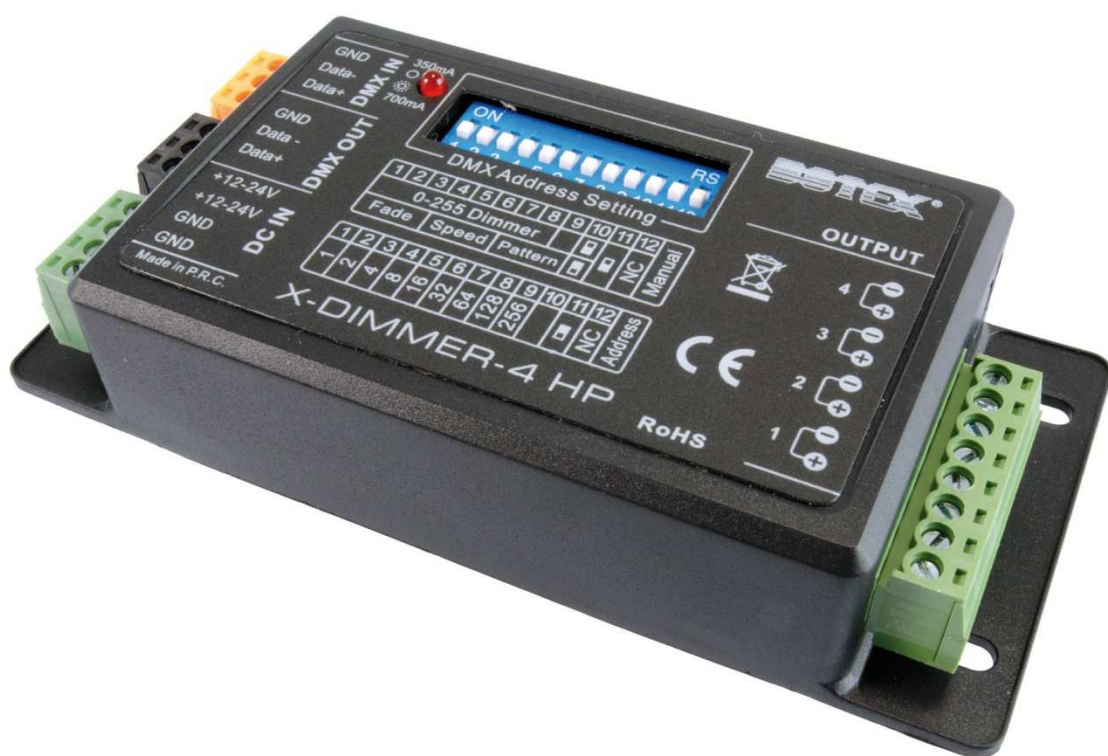




Manual



Controller LED

X-Dimmer 4HP



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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.

3. Control

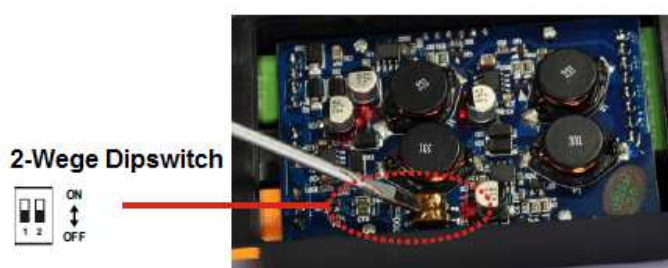
3.1. Setting the current

You can set the maximum output-current per channel from 350mA to 700mA, by using the built-in Dipswitch

1. Use the screwdriver to open the housing like shown in the pictures below.



2. Set the dipswitch to the respective position to make the required setting.



Strom	2	1
350 mA	Off	Off
700 mA	On	On

While both built-in dipswitches are „Off“, the device will output 350mA current, the current indicator on the front panel will black out.

While both built-in dipswitches are „On“ the device will output 700 mA current,the current indicator on the front panel will light.

3. Close the housing of the device.

3.2. Addressing in DMX mode

In this mode the dipswitch Dipswitch 11 has to be set to “On”.



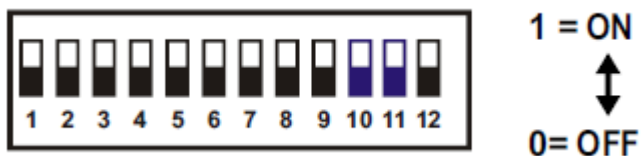
You can set the DMC address and regulate the intensity of light. The outputs 1-4 will be controlled by channel 1-4. You can set the DMX address with the dipswitches 1-9.

The dipswitches represent a binary value and allow an individual adjustment of the values 1-511. The binary values and examples to individual start addresses reach are given in the following tables.

Dipswitch	Binary value	Start address	Dipswitch „On“	Start address	Dipswitch „On“
1	1	1	1	11	1,2,4
2	2	2	2	12	3,4
3	4	3	1,2	13	1,3,4
4	8	4	3	14	2,3,4
5	16	5	1,3	15	1,2,3,4
6	32	6	2,3	...	...
7	64	7	1,2,3	...	...
8	128	8	4	...	...
9	256	9	1,4	510	2,3,4,5,6,7,8,9
		10	2,4	511	1,2,3,3,4,5,6,7,8,9

3.3. Manual mode

In this mode the dipswitch 10 and 11 have to be set to “Off”.



You can set the intensity of the light of channel 1-4, with the dipswitches 1-8, from 0 to 255

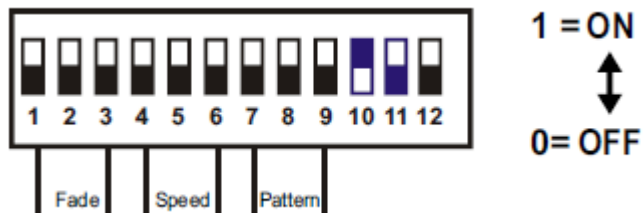
The dipswitches represent a binary value and allow an individual adjustment of the values 0-255. The binary values and examples to individual dimming levels reached are given in the following tables.

Dipswitch	Binary value		Value	Dipswitch „On“	Value	Dipswitch „On“
1	1		1	1	11	1,2,4
2	2		2	2	12	3,4
3	4		3	1,2	13	1,3,4
4	8		4	3	14	2,3,4
5	16		5	1,3	15	1,2,3,4
6	32		6	2,3	...	...
7	64		7	1,2,3	...	...
8	128		8	4	...	...
			9	1,4	254	2,3,4,5,6,7,8
			10	2,4	511	1,2,3,4,5,6,7,8



3.4. Automatic mode

In this mode the dipswitch 10 has to be set to “On” and the dipswitch 11 has to be set to “Off”.



With dipswitch 1-3 you can set the fade time, with dipswitch 4-6 the speed and with dipswitch 7-9 the patterns are set. The following table will show which will produce what results.

Setting dipswitch	Fadetime dipswitch 1-3	Speed dipswitch 4-6	Pattern dipswitch 7-9
000	0	128s	1
100	14%	64s	2
010	28%	32s	3
110	43%	16s	4
001	57%	8s	5
101	71%	4s	6
011	86%	2s	7
111	100%	1s	Automatic programs 1-7 in a loop.



4. Technical data

Power supply	
Voltage	12-24V DC
Connections	
Strom out	350/700A
XLR in/out	Terminal
Controlling	
Sound-to-Light	No
Automatic	Yes
DMX512	Yes
Number of channel	4 (RGBW)
Hardware	
Dimensions	115 x 54 x 23 mm
Weight	0,10 kg







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