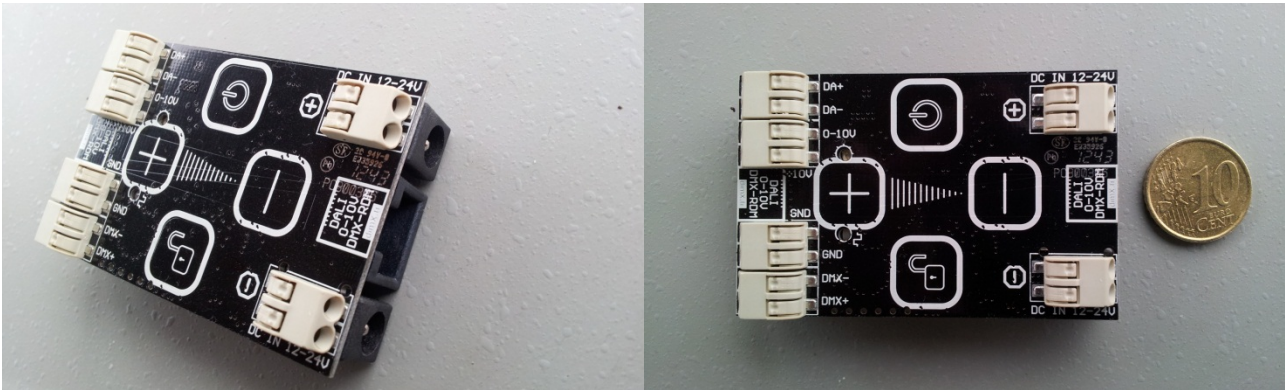




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(non contractual picture – shown without aluminium frame)

Presentation of Multifunction DimX mini Dimmer

Stand-alone multi-protocol dimmer, 120W for single channel control of LED driven by constant voltage 12 to 24V

Possibilities of configurations:

1. Tactile key board
2. Off-set 3 buttons keyboard operation
- 2bis Off-set 2 push-buttons operation
- 2ter Off-set 1 push-button operation
3. Signal 0-10V
- 3bis Off-set potentiometer
- 3ter Control by Photoelectric cell depending on natural light level
4. Amplifier PWM 120W
5. DMX input and tactile keyboard
6. DMX input and off-set keyboard
7. DMX input and 0-10V (Driven by 0-10V. If presence of DMX signal detected, 0-10V input is disconnected)
8. DMX input, 16 bits setting and variable PWM Output frequency control
9. DMX input converted into an on-off output Combined with appropriate relay it can switch on-off in 220V high power.
10. Dali input and tactile keyboard
11. Dali input converted into an on-off output Combined with appropriate relay it can switch on-off in 220V high power.
12. DMX generator single channel controlled from tactile keyboard.
13. DMX generator single channel controlled from off-set 3 buttons keyboard.
14. Conversion 0-10V into DMX generator
15. Amplifier PWM 120W and DMX generator
16. Dali input to generate DMX signal
17. Tactile keyboard to control Dali generator single channel (to be combined with Dali power supply)
18. 0-10V input to control Dali generator single channel (to be combined with Dali power supply)
19. DMX input to control Dali generator single channel (to be combined with Dali power supply)
20. DMX input to control Dali generator 64 channels (to be combined with Dali power supply)
21. Pure RDM dimmer (for advanced developers)

When used as a stand-alone dimmer (without external input signal) the dimming is done on 31 steps. Setting is kept into memory 1,5 seconds after setting. Memory is kept indefinitely even if power is shut down for a long period. When power turns on again the Dimmer set immediately to the requested level.

For 3ter configuration, please refer to appropriate Operation sheet. Made for outdoor signage control or indoor lighting control.

For configurations 5, 6, 7, DMX signal takes over other control means. The frequency of output PWM current can always be set at a specific frequency (300 to 20.000 Hz). But configuration n°8 allows technicians of TV stages to control the PWM from DMX control table or software in order to adjust with video camera image refreshing speed.

The selection of the configuration and the correction of various parameters is done by the mean of a USB to DMX-RDM interface and a dedicated software offered.

The dimmers can be set as Master plus slave(s) to operate multiple dimmers with the same instruction. RF45 network cable (Cat5 or Cat 6) can be used for that purpose. So from an off-set keyboard, you can control multiple dimmers reacting the same way.

DimX technical Data

Dimensions L x l x h:	70x45,5x20mm (excluding connectors).
Input voltage:	From 12V to 24V constant voltage
Maximum power:	120W
Maximum intensity:	10A under 12V ; 5A under 24V
Output current:	PWM at 20KHz (19,61KHz). That value can be set from 300Hz to 20.000Hz
Power input plugs:	2 power jack DC 2,1mm female (5A each) or 2 pairs of bare wires 0,75mm ²
Power output plugs:	2 power jack DC 2,1mm female. Many various possibilities of connectors available (rigid short male-male connector, long flexible male-male-connectors, twin power card with screw connectors, DC2,1 with screws for bare wires....)
Dimming:	By tactile Keyboard (+) and (-) in 31 steps. Or by external push buttons or other configurations listed above. A finger must be kept on the padlock to get an effect while touching (+), (-) or (On-Off) tactile buttons.
Switch On-Off:	Turns On or Off the output of the dimmer. Also possibility to have offset control keyboard.
Safety into setting:	Padlock button on the tactile keyboard giving access to other tactile commands. Once a setting is done, after 1,5 second it is kept into the memory of the device. The setting will not be lost even with a long period without power. Setting can be changed at any time from the moment the device is connected to the power on the input.
Conformity / Rohs:	All components complies
Conformity / Electric:	Comply with CE standard (JORF Décret DBT n°95-1081 du 03-10-95 and following amendments)
Conformity / EMC:	No electromagnetic emission (Certification pending).
Conformity / Fire:	Anodise aluminium frame. Connectors complying with fire resistance required.
Warranty:	Three years

EXAMPLES OF SOME CONNECTORS AND MINIATURE INTERFACES AVAILABLE



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