

Guarantee repair is not made in the cases of:

1. Expiration of product warranty period;
2. Damages caused by ingress of moisture, hostile environment, liquids;
3. Non-compliance with service, storage conditions, specified in the operation manual;
4. In the presence of scratches of mechanical influences on product and the printed-circuit board;
5. In the cases of independent repair, product upgrading.

Serial number _____

Manufacturing date _____

Mark on putting into operation.

Sale date _____

Packer _____

Stamp of the trading organization

603000, 4A Nesterova str., Nizhny Novgorod, Russia

Tel.: 007 (831) 260 1087

www.maksbright.com

MAKS BRIGHT

PROFESSIONAL LED SOLUTIONS

USER MANUAL

Sigma DMX Pro

PROGRAMMABLE LED CONTROLLER



Tel.: 007 (831) 260 1087

Made in Russia
www.maksbright.com

User manual

1. General instructions

Before operation of the light-emitting diode controller Sigma DMX Pro, further in the text "controller", it is necessary to look through this passport.

At acquiring this product it is necessary to check its completeness and compliance of markings on the product and in the enclosed passport.

2. Purpose of the controller

The controller represents the device to control the lighting equipment, such as light-emitting diode modules, tapes, other light sources similar to them or other devices on their basis. The controller controls the lighting equipment according to pre-arranged scenario. The scenario allows to change dynamically the intensity of light and duration of light of light-emitting diode modules, tapes, etc. The work scenario for the controller can be created by a user manually by means of the special software or based on video by the method of capture of certain areas.

The controller is used in decorative illumination, festive illumination, show equipment, and also in a wide range of individual tasks of the end user.

The controller supports the DMX-512 data line protocol allowing to control intellectual light devices (dimmers, flashlights, stroboscopes, etc.) via the uniform interface.

The controller can be both master, and the slave device in the DMX-512 protocol.

The controller has a galvanic isolation of information in puts.

Each number of channels can be programmed in a range from 1 to 512 in any combination.

3. Technical characteristics

Interface standard	DMX-512 protocol
Number of channels in one controller	8
Maximum number of channels	512 (64 controllers)
Supply voltage of direct current, Volt	4 ... 25
Maximum admissible current for one channel, Ampere	6
Total maximum current, Ampere	40

Protection against short circuit	yes
Galvanic isolation of data line	yes
Quantity of cycles of programming	100 000
Quantity of gradations of brightness (controller/interface)	128/256
Internal memory, Mb	2
Frequency of a dimming of channels, Hz	128
Duration of one shot, second.	0,016 ... 4
Way of loading of information (scenario)	USB
Overall dimensions, mm	115x65x40
Weight, no more than, g	330
Protection class	IP65

4. Delivery set

Light-emitting diode controller	1 piece	Fixing screws	4 pieces
Passport	1 piece	Packing container	1 pieces
USB cable	1 piece	External wiring diagram	1 pieces
Sealant	1 piece		

5. Product service conditions

Temperature range from - 40 ° C up to + 40 ° C;

Relative humidity of air is 90 % (without moisture condensation).

6. Proper use

Detailed operating procedure, connection schemes, the software are presented on www.maksbright.com.

7. Manufacturer guarantee

The manufacturer guarantees no-failure operation of the controller within 24 months from the date of its acquisition. If during a warranty period of operation failures or malfunctions are revealed, the product is replaced or repaired free by the organization - manufacturer.