

User instructions for the Mic Lift V2

The Mic Lift V2 Motorized microphone Stand is our answer to the many requests from customers. The motor and the main mechanical parts are completely mounted in the foot in order to keep the visible parts small and make the Mic Lift V2 usable for TV shows and other applications where smart solutions are required. The Mic Lift V2 can be controlled from the remote control which comes together with the Mic Lift V2. The remote control and the Mic Lift are be connected via a 3 pin Mic cable or a Multicore. 6 different presets/heights can be saved and recalled with the remote control. The surface of the rc is clear with three push buttons and very easy to use. Just adjust a height with the "Up" or "Down" button, press the "St." button and one of the 6 memory buttons where you want to save the actual height. That's it. A press on of the memory buttons will change the height to the stored value.

Installation

Decide whether the unit is to be powered by batteries or an external 12V DC power supply.

Battery Powering:

On the right side is the battery box. The cover is fastened with 2 cross-head screws. Remove the cover and insert 8 AA alkaline type batteries – ensuring correct orientation. Replace the cover. The remote control is powered by one 9V block battery. The rc battery lifetime is between 18 and 30 hours, depending of the quality of the battery and the frequency of the use. It is time to change the batteries when the speed of the motor is slow or when the current sensor does not work correctly anymore. Remove the 2 screws on the top cover and change the battery, then replace the cover.

External powering:

Any kind of 12 Volt, 1 Ampere power supply will do this job. Just remove the battery package and connect a 12 Volt supply. Please take care of the polarity of the supply, otherwise you might damage the controller board. However, an AA batterypackage will usually have a long lifetime and there is in most cases no need for an external supply. The polarity of the adapter is as follows:



Operation:

The RS485 interface allows control with the rc and is much more fault tolerant compare to the older dmx version. The XLR connector in the Mic Lift V2 and in the rc allows to use an input or output of an existing sound multicore for the data transfer. Connect the remote control and the Mic Lift V2 on both sides of an existing multicore and the operation can begin. Please note that an accidental polarity change somewhere on the cable between rc and Mic Lift V2 results in faulty data.

Local operation:

The Mic Lift V2 can be controlled via the implemented push buttons. A push on the left switch increase the height and a push on the right switch decreases the height. Due to the toothbelt in the new version there should no re-adjustment of the decoder wheel necessary anymore.

General points to observe

Ensure that all users of the Mic Lift are familiar with its operational requirements and the environment in which it is to be used. The operator must have a good view of the Mic Lift V2 at all times. Please take care that the height of the stand is not be changed by hand because the tooth belt can be damaged by excessive force. If this happens you need to open the device and need to change the belt what is available from us.

Technical Specifications:

Dimensions:	103 cm –175 cm length x 26 cm width
Connectors:	XLR 3-pin for remote control and dmx 2,1mm connector for DC supply
Transmission:	6mm toothbelt (180 N strength)
Repeat tolerance:	Approximately 1 cm
Motor noise:	+44 dB(A) at 1 metre distance when motor working
Remote control type:	Active micro controlled rc with 3 pin XLR 3 - pin male connectors
Maximum cable distance:	100 meter
Powering:	Eight AA size batteries for the Lift or an external 12Volt supply. Current consumption: 0,5A when motor working, 8mA standby
Case material:	ST37 steel, black powdercoated
Weight:	7,5 kg

The warranty on this product is 2 years from invoice date. These devices were developed for use in connection with professional equipment and should be used by professional system engineers and operators only. Please be aware that we are not responsible for any hazards, damages or disadvantages due to the using of these devices. These devices are registered as B2B devices. We also declare that they are conform to the CE and ROHS regulations for the European market.

If you have further questions please don't hesitate to contact us at: info@optogate.com.

Service infos for the OPTOGATE Mic Lift V2

The Mic Lift V2 case is made from ST37 steel and useable for professional use. However, it might be necessary to tighten the tooth belt after a while of frequently use. Just remove the cover of the Mic Lift V2, remove the 2 screws of the motor block and pull the motor block a bit back to the outside. Fix the screws in this position. A clearance of about 5 mm at the middle of the visible part of the belt is ok and there is no need to make the tooth belt very tight. The minimum height can be adjusted by turning the decoder wheel carefully when the tooth belt is loose.