



SpotDrive

The past few years, the demand of remote follow spot systems in the entertainment industry has increased. When [LITE]COM Group in 2016 won the tender as the main supplier for the Eurovision Song contest in Stockholm, one of the original demands for the production was to have remote follow spot operating system. At the time there was a limited amount of products of this type on the market and none that fitted the needs required for the production.

This made [LITE]COM to go back to basics and make a prototype of the now known SpotDrive. Even before we finalized the first system, the demand was removed from the production and for a while the developing of the systems was parked up in the warehouse.

We wanted a system that could operate any fixture on the market, integrate in a lighting system and be as plug and play as possible. So, in the Fall 2016 we continued in the development of the system enabling delivery of 4 systems on Swedish pop/rock group KENT - Final Tour.

The SpotDrive is what we like to see as a highly modified, but yet very simplified, lighting console. Basically it's transmitting DMX512 protocol out. This gives the user a fair chance to meet more or less any requirement needed. When setting up the system you simply choose witch parameters should be controlled directly on the fixture and witch you want to trigger in the desk or not use at all.

7 buttons:
that as a standard will be used for the fixed color wheel equivalent to 6 color frames of a conventional follow spot. (Eg. Red, Green, Blue, Yellow, CTO, Minus green and White)

these are adjustable/programmable as long as they are fitted in the fixed color wheel of the fixture.

IRIS Fader

PAN/TILT Encoders

Fluid head of the quality ever prouced enabling "translation" of the movement directly into the movinghead without any latency.

Also enabling the Organic movement of having a person moving the fixtures, compared to any competing system.

Programmer module:

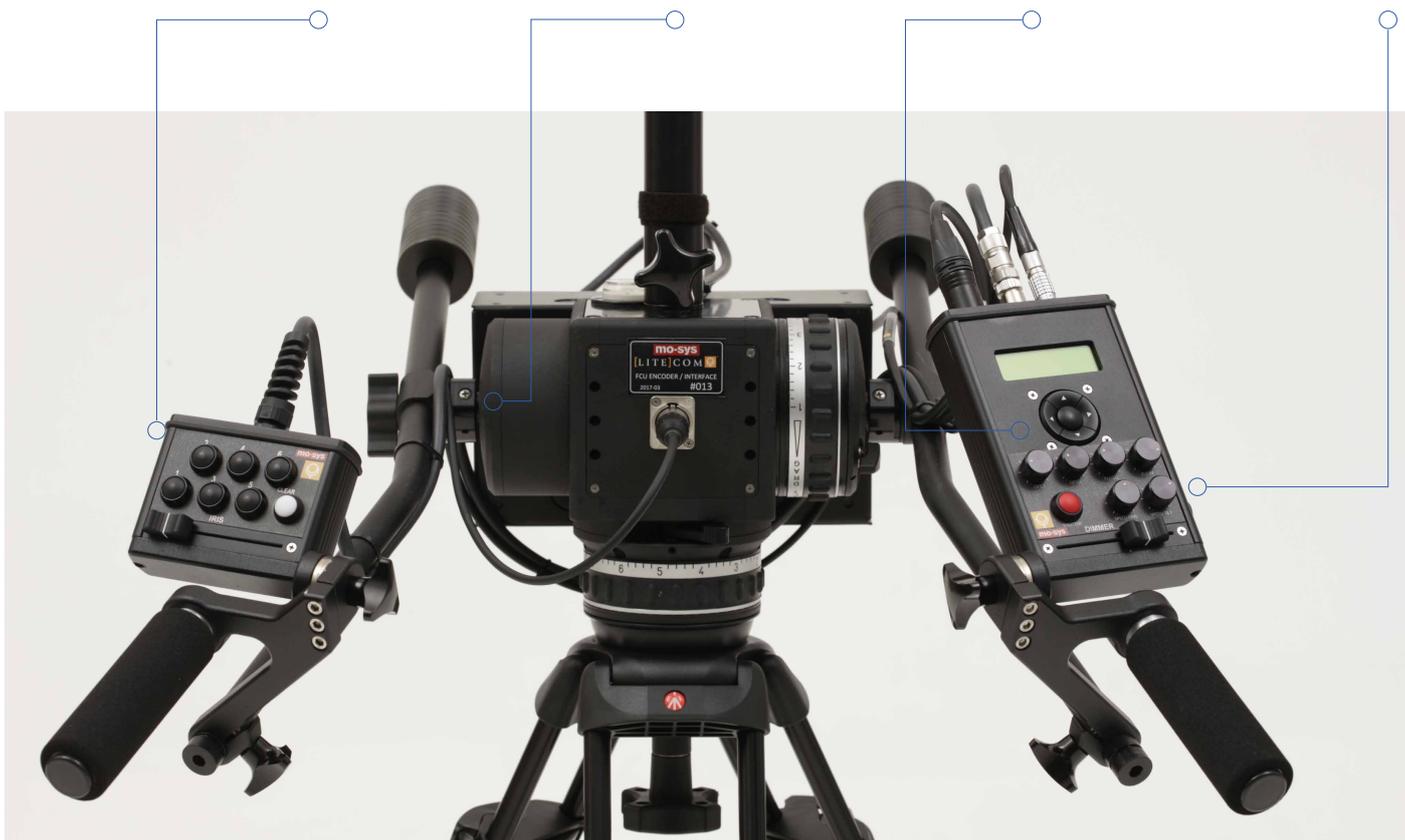
Setup the Attributes of the chosen fixture/Fixtures connected to the Spotdrive.

6 potmeters:

- 1 Zoom
- 2 Focus
- 3 CTT
- 4 Minus Green
- 5 Pan Sensitivity
- 6 Tilt Sensitivity

BLACKOUT (red button)

DIMMER Fader





System

The system consists of a Tri-Pod with an encoder fluid head mounted on. On the base is added a monitor, for vision of the camera following the system and to be mounted on the main controlled fixture in the rig. By the main fixture in the rig, a truss box with power supply and camera signal convertor is mounted. The camera feed can then be transmitted to the SpotDrive system on the ground, either via LC/LC Fiber or by HD-SDI. The only additional wiring between the SpotDrive and the Fixture needed is the Fiber or SDI cable.

The box consists:

- 1 x Tri-Pod with attached Encoder fluid head
- 1 x Monitor
- 1 x Camera on bracket (Standard cover in the box is Robe BMFL)
- 1 x Truss box (For Power distribution and signal convertor)
- 1 x Power cord for The SpotDrive (CEE 16*1 – PowerCon)
- 1 x PowerCon -> PowerCon (from truss box to Fixture)
- 1 x Loom of HD-SDI and 12v powersupply for camera
- 1 x PowerCon thu1 -> PowerCon adaptor (For fixtures using powercon thu1)
- 1 x 0.7m PowerCon -> PowerCon thu1 link cable



Reel

In the Fall 2017 [LITE]COM Group supplied 10 systems to the annual Victoria's Secret Fashion show in Shanghai. On this occasion the Light Designer team had all the color control of the 10 Scenius Profiles used for the SpotDrive's, giving the operators only Pan/tilt and Dimmer to control. Rest of the parameters were fixed, either in the desk's or in the SpotDrive systems.

Using the GrandMA2 as a console it also makes it possible to operate multiple fixtures from on SpotDrive, setting up your rig in the desks MA3D and controlling a StageMarker on the desk, you are now handling all of the control to the main desk instead of the Spot operator. The Spot operator, or the SpotDrive, will in this case do all controlling by triggering the GrandMA2. This clearly take a bit more programming but gives a lot of options to the show.

In the Spring 2017, Bruno Mars LD team choose to take out 8 Systems for the 24k Magic Tour around Europe, same as the 2018 Asian leg of the same production.

The 2017 edition of X-Factor Denmark used 3 systems for the live shows. The 2018 Eurovision qualify contest in Denmark (Dansk Melodi Gram prix used the SpotDrive for key light.

In the fall of 2018, Danish season of Strictly come dancing, cut the operator to half, using the SpotDrive to control several fixtures, so each spot operator would have control of a minimum of 2 luminaries, all set up in the GrandMA2 giving the key light operator the option to jump in and out of colors, gobos etc. of the luminaries used on the show.

The SpotDrive already proven it self good with fixtures such as, Clay Paky Scenius, Vari Lite VLZ and VL2600, HighEnd SolaFrame 3000 and Robe BMFL.

The SpotDrive can be rented contacting info@lc-inno.com or by contacting [LITE]COM on info@litecomgroup.com



INT

[LITE]COM A/S
Kirstinehøj 12
DK-2770 Kastrup
Denmark

P. +45 32 96 16 81
E. denmark@litecomgroup.com

DK

[LITE]COM A/S
Kirstinehøj 12
DK-2770 Kastrup
Denmark

P. +45 32 96 16 81
E. denmark@litecomgroup.com

SE

[LITE]COM AB
Västberga Allé 25
SE-126 30 Hägersten
Sweden

P. +46 8 40 90 71 00
E. sweden@litecomgroup.com

DE

[LITE]COM GMBH
Am Teiche 3
DE-Erfurt-Stottenheim
Germany

P. +49 (0) 171 1470 536
E. germany@litecomgroup.com