

ALADIN MARK II

The automatic remote lens control system

S3D
ready



Aladin is the user-friendly remote control.

Carry out automatic calibration of the lens parameters at the beginning of shooting – switch off, reconfigure or change the battery – switch on again and resume the shooting. All settings are done through menus and push button or joy stick. The OLED colour display still operates at -20°C/-4°F. These advantages are especially appreciated in practice.

The interfaces:

- 8 motor controllers
- USB port, 2 sockets
- 2 serial interfaces
- time code in (LTC)
- camera start/stop
- BNC out for wireless or cable



Aladin Mark II main features:

- Control signals are transmitted as digital data packages in the 434 / 869 MHz band safely and precisely with 18-bit resolution.
- Suitable for many motors with digital incremental encoders such as Heden M26VE, Scorpio SB92, Preston DM2, Betz Tools BTM7.
- Unique - adjustable back-lash compensation - eliminates play!
- Controls in S3D mode 8 motors, synchronously two cameras' Iris, focus and zoom, automates the rig setting for angulation (convergence), IA (inter axial distance) and communicates with Sony MPE 200.
- Controls digital Canon and Fujinon lens motors directly through the 2 auxiliary ports, if required synchronously, too.
- USB port for meta data recording, software update and lens-, rig-data handling.
- 2 serial interfaces for PC interaction
- Controls the dimmers Aladin Light Source (AL-LS) and Colibri, the DMX dimmer/receiver (FD-400E).
- Excellent safe transmission distance* inside through thick walls and outside with metal structures, better performance than transmission in the GHz-range offers.
- ON/OFF or start/stop recording function integrated for all suitable cameras.
- With "Electronic Gear" for free selection of the translation between the hand wheel movement and the reaction at the lens (spreading).
- Memory of last settings after switch off for quick resumption of operation.
- Wide supply-voltage range from 10 to 34 volts for the motor controller (receiver).
- Power is stabilized and adjustable in 5 steps. Powerful performance for the motors also with low supply. The torque will be automatically adjusted during calibration.
- Modular design, each individual function can be combined into one transmitter through simple assembly. Here, too, all the last individual settings are saved.
- Reverse direction of the motor rotation is adjustable on the hand-units (transmitters) and on the receiver / motor controller.
- A LED column shows the position of the zoom.
- Lowest energy consumption of the hand-unit(s), a battery usually lasts for the entire day of shooting.
- 16 channels selectable for the transmission by push of a button. RF Spectrum analyzer to find the best channel for transmission and optical feedback that both units work on the same one.
- Adjustable fluid damping for the focus hand wheel.
- Emergency feature: Transmission by connecting transmitter and receiver using a standard video cable with BNC plugs.

* Achievable distance dependent on the structural conditions at the set.

ALADIN MARK II

The automatic LCS.



Mountings for 19 and 15 mm rods available.



550-MA
articulated arm for receiver



**3310 (15mm)
3320 (19mm)**
rod clamps with 1/4" and 3/8" threads.



Motor complete,
for 15 and 19mm rods as well as with all lens gear wheels.



AL-RKE
Universal rod clamp.



RMB,
Holder for the receiver on 15mm support rods.



Components	Article no.
<p>Aladin 2+ Two channel design for focus and iris + camera start/stop. Contains hand-unit with transmitter, scale-ring, 2 NiMH batteries, charger, receiver with outputs for eight motors, 2 antennas and instructions. Includes S3D functionality for focus, iris, IA and angulation.</p>	AL2-3-402
<p>Aladin 3+ Three channel design for focus, iris and zoom + camera start/stop. Other equipment as described above, receiver with outputs for eight motors. Includes full S3D functionality.</p>	AL2-4-402
<p>Aladin Zoom Control Separate unit for control of the zoom rings. Contains hand-unit with transmitter, 2 NiMH batteries, charger, receiver with outputs for eight motors, 2 antennas and instructions. Includes S3D functionality for Zoom.</p>	AL2-Z-402
Accessories	
Motor with incremental encoder, digital from Heden	M26VE
Motor with incremental encoder, digital from Betz Tools	BTM7
Connector cable between motor and receiver with Lemo 7-pin plugs, one angled, one straight. Length 60 / 100 cm	AMOTD60/100
Articulated arm for receiver, 2 threads 1/4"	550-MA
Rod clamp with 1/4" and 3/8" threads for 15mm rods	3310
Rod clamp with 1/4" and 3/8" threads for 19mm rods	3320
Holder for the receiver on 15mm support rods	RMB
Aladin universal rod clamp with jacks and contact plugs	AL-RKE
Aladin dial illumination , LED light with flexible arm	SI
Scale ring for focus unit	SC
Light Source , dimmer for tungsten lights up to 75 W, for connection to a free motor output, complete with cable set	AL-LS
<p>Accessories such as rod clamps and mountings, power supply cables with and without start/stop transmission are available for all film and video cameras. An overview can be found on the pages 69 – 71.</p>	

Overview – Accessories and cables for the remote control systems.

Accessories DigiFOX	
FMB	NiMH battery for FOX, rechargeable 6V/600mA
Accessories ALADIN	
AL-BAT	NC battery for Aladin, rechargeable
AL-CH	Charger with adapter for Aladin battery, 100-240V
AL-CP	Config. Dummy Plug for Aladin external iris, spare part
AL-HWA	Aladin/II Hardwire Adapter for external iris, cable-length 3m
AL-HWA-Z	Aladin Hardwire Adaptor for Zoom, cable length 1m (cable-connection instead of battery, in combination with AL-RK)
AL-Fi	Aladin/II Focus/Iris hand-unit, spare part
AL-i	Aladin/II External Iris hand-unit with Dummy Plug
AL-i-DMX	Aladin External Iris with DMX input for light control, with Dummy Plug
AL-MOTC	Aladin MC Board for digital motors, spare part
AL-MCA7	Assembly Clamp (01841 MCA-7) for Aladin Pan Handle Adapter
AL-PHA	Pan Handle Adapter for Aladin (for mounting using clamp AL-MCA7)
AL-T400	Aladin Transceiver module with antenna (433-434 MHz, 16 channels)
AL-Z	Aladin Zoom hand-unit
Accessories ALADIN / ALADIN MK II / DigiFOX	
FANT	Antenna (straight) for transmitter (FOX, ALADIN transceiver)
FANTR	Antenna (angled) for receiver (FOX, ALADIN Motor Controller)
RMB	Holder for attaching the receiver to 15mm rods
RMB-IP	Steel intermediate plate, with threads for RMB
401-10	Adapter for RMB on bridge plate with Ø19mm rods
SC	Graduated ring for focus hand wheel
Si	Light for Scale Illumination, (LED) for Aladin and DigiFOX
EU15	Extension unit Ø 15:15mm, with rod Ø 15mm
EU19	Extension unit Ø 19:15mm, with rod Ø 15mm
EU15-60	Extension Unit Ø 15:15mm (without rods, length distance between holes 60mm)

Accessories ALADIN / ALADIN MK II / DigiFOX	
EU15-82	Extension unit Ø 15:15mm (without rod, length distance between holes 82mm)
EU19-82	Extension unit Ø 19:15mm (without rod, length distance between holes 82mm)
DigiFOX cable for Panasonic DVX100 / HVX200(P2)/ and any other models	
DFMPVX	combi-cable: controls internal focus motor for Panasonic DVX/HVX and with start/stop function. 2.5mm stereo and 3.5 mm stereo jack 4-pin -to DigiFOX Hirose 12-pin. For power supply of DigiFOX receiver, an additional cable is required. (e.g. XLR4-AL)
DigiFOX cable, combined for power supply and for internal focus motor	
DFPMCD	combi-cable: power supply / motor control internal focus motor Canon digital Hirose 20-pin - to DigiFOX Hirose 12-pin
DFPMCA	combi-cable: power supply/ motor control internal focus motor Canon analogue Hirose 6-pin - to DigiFOX Hirose 12-pin
DFPMF	combi-cable: power supply / motor control internal focus motor Fujinon Hirose 12-pin - to DigiFOX Hirose 12-pin
<i>When using the above-mentioned combi-cable and at the same time, the camera's remote control start/stop function, please use the following special DFCOF4x cable.</i>	
DigiFOX cable, camera start/stop in connection with combi-cable DFPMx for internal focus motor	
DFCOF4C	cable for start/stop when using the cable DFPMCx for Canon lens with focus motor, Canon-plug 8-pin - for DigiFOX Hirose 4-pin
DFCOF4F	cable for start/stop when using the cable DFPMF for Fujinon Focus motor, Hirose 12-pin - for DigiFOX Hirose 4-pin
DigiFOX cable, camera Start/stop – when using the power supply cables on the Hirose 4-pin jack	
DFCOFV-V	Start/stop cable DigiFOX Hirose 12-pin – directly on the video camera on Hirose 12-pin (Please note: differing pin assignments!)
DFCOFV-C	Start/stop cable DigiFOX Hirose 12-pin - over lens Canon 8-pin
DFCOFV-F	Start/stop cable DigiFOX Hirose 12-pin - over lens Fujinon Hirose 12-pin (Please note: differing pin assignments!)
DFCOFAA2	Start/stop cable DigiFOX Hirose 12-pin - Aaton camera, Lemo 2-pin FFA.0S.302

Overview – Cable for ALADIN MARK II / DigiFOX.

DigiFOX cable, camera start/stop – when using the power supply on the Hirose 4-pin jack, continued.		ALADIN MARK II cable, combined for power and camera start/stop	
DFCOFAA6	Start/stop Cable DigiFOX Hirose 12-pin Aaton camera Lemo 6-pin FGG.1B.306	AA-A2-P/cam	Combi -Cable: Power + camera-Start/Stop Aaton camera-6 pol Lemo, 45cm/17.7" – for Aladin2 Lemo 5 pol
DFCOFMOV	Start/stop cable DigiFOX Hirose 12-pin - Moviecam Compact Fischer 2-pin S102A051	Arri-A2-P/cam	Kombi-Cable: Power + camera-Start/Stop ARRI Kamera-12V 11pol Fischer, 45cm/17.7" – for DigiFOX / Aladin Hirose 4pol
DFCOFPAN	Start/stop cable DigiFOX Hirose 12-pin - Panavision Lemo 10-pin FFP.2S.310	RS-A2-P/cam	Kombi-Cable: Power + camera-Start/Stop ARRI/Moviecam SL Kamera-24 Volt 3 pol Fischer, 45cm/17.7" – for Aladin2 Lemo 5 pol
DFCOFA	Start/stop cable DigiFOX Hirose 12-pin - ARRI 12V Fischer 11-pin S104A0056	PAN-A2-P/cam	Kombi-Cable: Power + camera-Start/Stop Panavision 10pol Lemo, 60cm/23.7" – for Aladin2 Lemo 5 pol
DFCOFA-M	Start/stop cable DigiFOX Hirose 12-pin - ARRI, Moviecam SL, Pro35 Adapter Fischer 3-pin S102A052	ALADIN MARK II cable, only for power supply	
DFCOFR1	Start/stop cable DigiFOX Hirose 12-pin - RED One camera Lemo 4-pin (0B; upper AUX-out jack in standard setting)	AB-AL2	Power Cable 12 Volt D-Tap – for Aladin2 Lemo 2 pol
ALADIN MARK II cable, camera start/stop		MovC- AL2	Power Cable Moviecam Compact 24V, 2pol Fischer - for Aladin2 Lemo 2 pol
AL2-COFA	Start/Stop Cable ALADIN2, 5 pol Lemo - ARRI 11pol Fischer	PanMill-AL2	Power Cable Panavision Millennium 24V, Lemo 2pol – for Aladin2 Lemo 2 pol
AL2-COFAA2	Start/Stop Cable ALADIN2, 5 pol Lemo - Aaton 2pol	PRO-AL2	Power Cable PRO / ARTEMIS 12V, Lemo 4pol – for Aladin2 Lemo 2 pol
AL2-COFAA6	Start/Stop Cable ALADIN2, 5 pol Lemo - Aaton 6pol Lemo	RIG-AL2	Power Cable RIG 12V, Lemo 3pol - for Aladin2 Lemo 2 pol
AL2-COFA-M	Start/Stop Cable ALADIN2, 5 pol Lemo - ARRI SR III, 535 + Moviecam SL + Pro35 Adapter - 3pol Fischer	STM-AL2	Power Cable Steadicam Master 12V, Lemo 2pol- for Aladin2 Lemo 2 pol
AL2-COFMOV	Start/Stop Cable ALADIN2, 5 pol Lemo - Moviecam Compact 2 pol Fischer	STU-AL2	Power Cable Steadicam ULTRA 24V, Lemo 3pol – for Aladin2 Lemo 2 pol
AL2-COFPAN	Start/Stop Cable ALADIN2, 5 pol Lemo - Panavision Lemo 10 pol	MKV-AL2	Power Cable MK-V – for Aladin2 Lemo 2 pol
AL2-COFV-C	Start/Stop Cable ALADIN2, 5 pol Lemo - Video Canon lens 8 pol	XLR4-AL2	Power Cable 12V/24V XLR 4pol – for Aladin2 Lemo 2 pol
AL2-COFV-F	Start/Stop Cable ALADIN2, 5 pol Lemo - Video Fujinon lens Hirose 12 pol (Achtung: unterschiedliche Belegung!)	BP90-AL2	Power Cable 12 Volt BP 90 plug PAG Lok-on – for Aladin2 Lemo 2 pol
AL2-COFV-V	Start/Stop Cable ALADIN2, 5 pol Lemo - direct on video camera with Hirose 12 pol (Attention: different pin configuration!)	ALADIN MARK II cable, for Light Source (Aladin System always with DMX Iris)	
AL2-COFR1	Start/Stop Cable ALADIN2, 5 pol Lemo - RED camera-Lemo 4pol (0B; upper AUX-out connector in standard setting)	AL-LS-X	Dimmer Cable with XLR 4 pol for 12V power-in, Lemo 7pol to receiver motor socket, Lemo 3 pol to Dimmer (spare part)

Overview – Special Cable for ALADIN MARK II

ALADIN MARK II special cable	
AL2-CD-AX2	ALADIN MK II Control Cable + power for digital ENG lenses from Canon, 7-pol. Lemo - Hirose 20 Pin
AL2-CD-AX1	ALADIN MK II Control Cable for digital ENG lenses from Canon, 10-pol. Lemo - Hirose 20 Pin
AL2-FJN-AX1	ALADIN MK II Control Cable for digital ENG lenses from Funjinon, 10-pol. Lemo - Hirose 10 Pin
AL2-FJN-AX2	ALADIN MK II Control Cable for digital ENG lenses from Funjinon, 7-pol. Lemo - Hirose 10 Pin
AL2-SER-TX-1	ALADIN MKII serial cable between transmitter and receiver, 7-pol. Lemo - 10-pol. Lemo
AL2-SER-TX-2	ALADIN MKII serial cable between transmitter and receiver, 7-pol. Lemo - 7-pol. Lemo
AL2-PC-AX1	ALADIN MK II PC Control Cable, 10-pol. Lemo- SUBD 9-pol.
AL2-PC-AX2	ALADIN MK II PC Control Cable, 7-pol. Lemo- SUBD 9-pol.
AL2-HDC-AX1	ALADIN MK II Control Cable receiver Sony Trunk Connector out on camera, 10-pol. Lemo- Tajimi 12-pol.
AL2-HDC-AX2	ALADIN MK II Control Cable receiver Sony Trunk Connector out on camera, 7-pol. Lemo- Tajimi 12-pol.
AL2-CCU-TX	ALADIN MK II Control Cable Sender, Sony Trunk Connector on CCU, 7-pol. Lemo- Tajimi 12-pol.