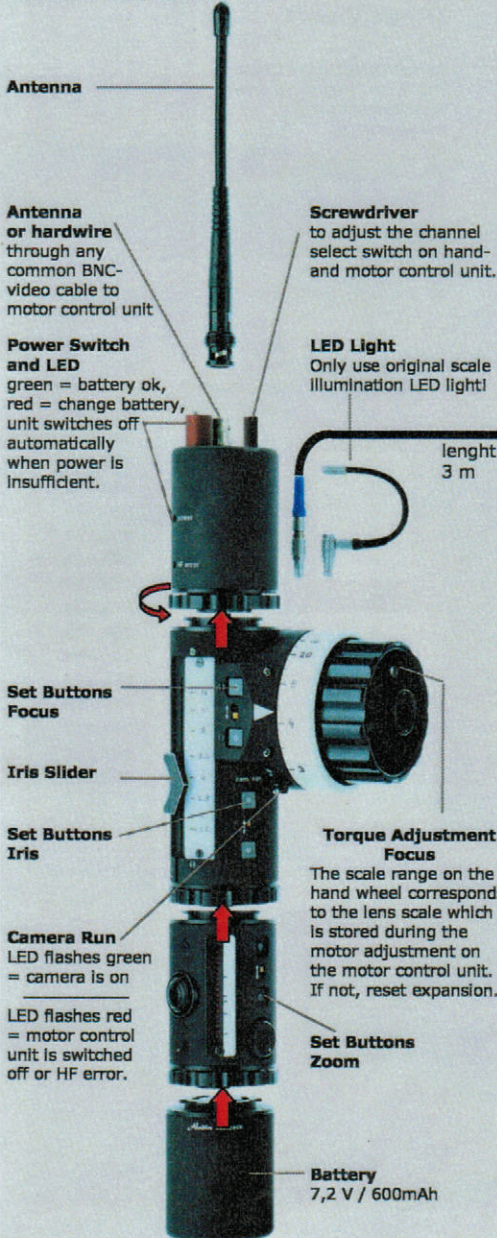


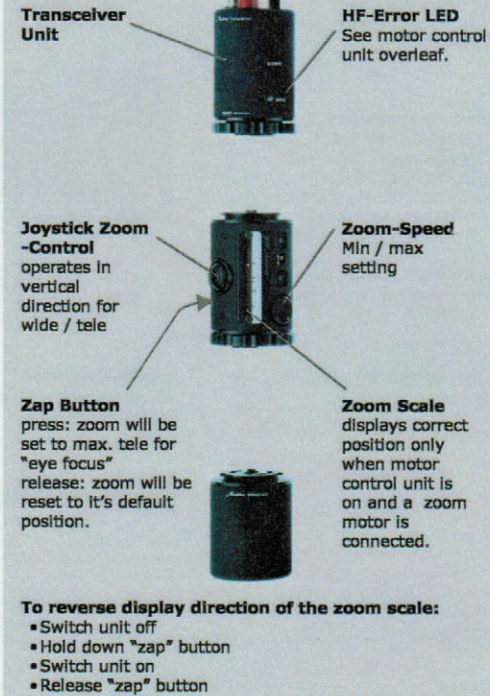
Focus- Iris & Zoom Module



External Iris Module (hardwired or wireless)

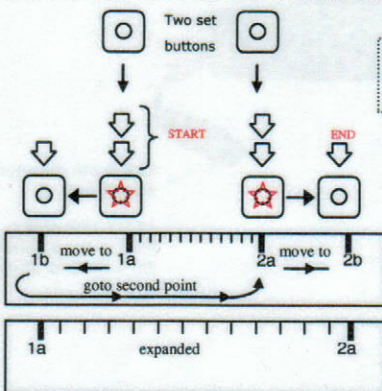


Wireless Zoom Module



Example: set Scale Spreading

Start with double click on your first focus point (1a)

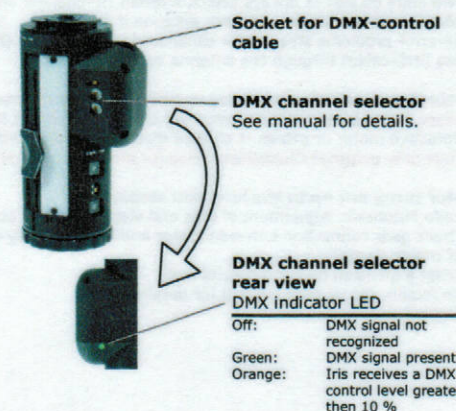


STORED MARKINGS ARE NOT AFFECTED BY SWITCHING POWER ON/OFF

Reset Scale

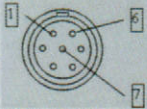


External DMX Iris (al-i/dmx)



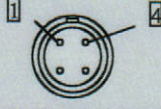
Motor Control Unit (Front View)

Motor



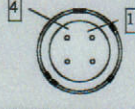
Front View to connector
Type: Lemo EGG. 1B. 307
Pin 1: Motor -
Pin 2: Motor +
Pin 3: Encoder channel A
Pin 4: +5V
Pin 5: earth/ground
Pin 6: Encoder channel B
Pin 7: earth/ground

CAMERA control socket



Front view to connector
Type: Lemo EGG.1B.307
Pin 1: + power
Pin 2: cam rel. contact 1
Pin 3: cam rel. contact 2
Pin 4: - power

POWER IN - CAM ON/OFF



Front view to connector
Type: Hirose HR10-7R-4S
Pin 1: battery minus / GND
Pin 2: cam relay contact 1
Pin 3: cam relay contact 2
Pin 4: battery plus (9 - 36 V)

Function- Indicators

- LED "red": Motor is disconnected
- LED "flashes": Motor is connected but no end stop parameters are stored.
- LED "off": System is ready to use
- LED "short Interval flashes": Light-dimmer "Light Source" is connected.

Adjust button for calibration of end stops

Your first step!

This adjustment has to be made whenever motor and/or lens are changed.
Do not block or stop the lens while end stops are checked, all parameters will then be stored incorrectly!
Set end stops by:

- rotate focus ring away from an end stop
- engage motor onto lens (not at an end stop)
- Push "Adjust" button, red LED flashes
- Push "Adjust" button again, LED flashes faster
- Motor starts turning slowly
The lens-scale's limits will be checked and stored automatically
Values remain in memory during power off!

CAMERA ON/OFF
on/off mode for camera (pulse or permanent on/off)

Power LED
green = battery okay (>12V)
red = change battery

Fuse 5 Amps surge-proof (time-lag fuse)
Do not shorten if blown!
Spare fuse in the rear cover.

Technical Data

Control Unit (Transmitter):

- HF-unit: 433.100 - 434.225 MHz 10 mW/ half duplex (Other frequencies on request)
- Supply voltage: 6 - 9 V
- Power consumption: 75 mA (3 channel unit)
- Temperature range: -10° C - +55° C

Motor Control (Receiver):

- HF-unit: 433.100 - 434.225 MHz 10 mW /-120 dBm/ half duplex (Other frequencies on request)
- Supply voltage: 10 - 35 V
- Motor speed: dynamic, Independent from Input voltage;
- Motor torque: automatically sensed during end stop calibration and set to appropriate maximum
- Power consumption: min. 200 mA - max. 5 A (spikes up to 7 A)
- Temperature range: -10° C - +55° C
- Dimensions: 118 x 38 x 92 mm (4.65 x 1.5 x 3.6 inch)
- Weight: 450 g (0.85 lbs.)

(Rear View)

HF CHANNEL SELECTOR

The same HF-channel must be selected on every transceiver unit



HF channel cross reference

Selected Channel	Center Frequency (MHz) 434 MHz- Version	Center Frequency (MHz) 869 MHz- Version
0	434,225	869,625
1	434,150	869,525
2	434,075	869,425
3	434,000	869,325
4	433,925	869,225
5	433,850	869,125
6	433,775	869,025
7	433,700	868,925
8	433,625	868,825
9	433,550	868,725
A	433,475	868,625
B	433,400	868,525
C	433,325	868,425
D	433,250	868,325
E	433,175	868,225
F	433,100	868,125

Optional Version

Trouble Shooting

HF-error problems:

- Interference with other wireless devices on set (high power walky-talkies etc.) → try other channel or switch of interfering devices
- Two units on set! → Always select different HF-channel on each unit
- No or broken antenna → replace antenna if damaged
- HF-error problems also can be eliminated by direct wire (hardwire with a standard video BNC-cable) through the antenna connectors.

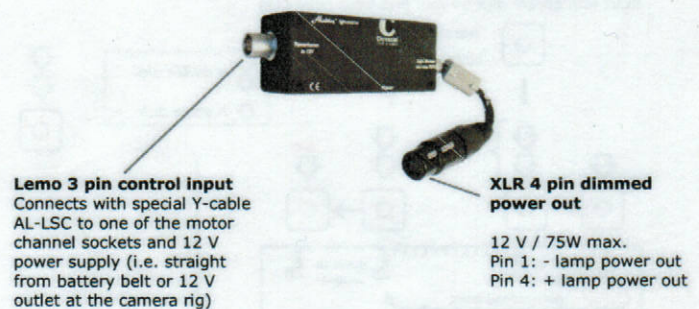
Motor does not react correctly to hand wheel movement:

- Reset motor control unit by switching off/on (disconnect from power)
- Defective motor or cables → change motor and motor cable
(Use only original Chrosziel cables for motor and power!)

Motor turns not up to the lens end stops:

- Redo automatic adjustment of lens end stops on motor control unit
- Check gear connection between motor and lens (stability of support rods, fixation of motor clamp)
- Reset expansion on hand control unit
- Do factory set up (see manual for details)

Chrosziel Light Dimmer –Light source



Lemo 3 pin control input
Connects with special Y-cable AL-LSC to one of the motor channel sockets and 12 V power supply (i.e. straight from battery belt or 12 V outlet at the camera rig)

XLR 4 pin dimmed power out

12 V / 75W max.
Pin 1: - lamp power out
Pin 4: + lamp power out