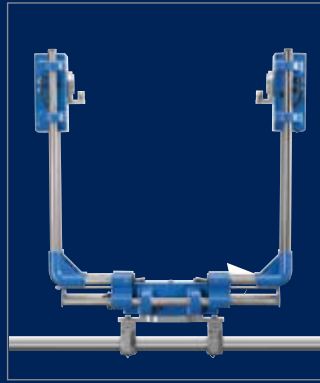




MaxMover



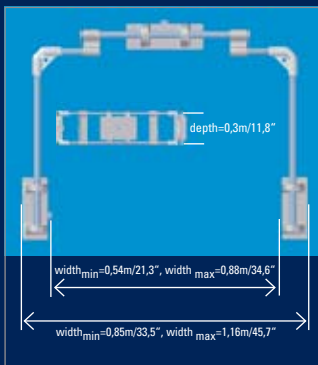
The ARRI automated stirrup, MaxMover, offers remote pan, tilt and focus for large daylight and tungsten fixtures. It eliminates safety and cost concerns of placing an operator in a Condor bucket as large fixtures can now be mounted on boom arms, tall platforms or in hard-to-reach locations and operated conveniently from the ground using simple analog control or via wired or wireless DMX.

A unique snap-in mounting system allows fixtures up to 176 lb. (80kg) to be converted quickly and easily from stand to remote operation. Equipped with a variable width adjustment, the MaxMover will accommodate a wide range of fixtures such as 6k or 12kW HMI PARs, 12/18kW HMI Fresnels, T12 and T24 Fresnels.

Name	MaxMover
Applicable:	ARRI daylight fixtures from 6kW to 18kW ARRI tungsten fixtures from 12kW to 24kW Adapts to other lampheads due to an extensionable construction (width is adjustable!) and a Universal Adapter Plate
Functions:	3 axis motor driven stirrup PAN&TILT: brushless AC servo motors (24V/30W) FOCUS (optional): DC servo motor (12V/18W)
Pivoting range in PAN:	Infinite, stop point given by a slipping clutch (0-80Nm)
Pivoting range in TILT:	Infinite, stop point given by a slipping clutch (0-80Nm)
Pivoting range in FOCUS:	Infinite, stop point given by a current overload protection at 5Nm / focus calibration
Min. speed PAN&TILT:	12,6°/min (0,035rpm)
Max. speed PAN&TILT:	360°/min (1rpm)
Speed FOCUS:	16rpm
Weight of stirrup:	33kg/72,75lbs with focus unit
Max. weight load:	80kg/176lb
Lamphead attaches with:	Universal Adapter Plate
Operation:	ARRI analog controller for PAN, TILT and FOCUS (standard); optional DMX-512 interfaces
Protective rating:	Max. IP54 / protection class I
Dimensions (wxhxd):	Max. 1160x965x300mm / 45,67x38,99x11,81"
DMX 512 support:	USITT DMX-512 / DIN56930-2
DMX 512 address setup:	Up&Down push buttons
Power specification:	90-265V 50/60Hz, max. 100VA

At a Glance

- Adjustable Width for 6kW – 24kW Lampheads
- Universal Adapter Plate with Quick Snap In
- 80kg / 176lb weight load
- Remote Control incl. (analog)
- DMX Converter Optional
- Wireless Operation (W-DMX)
- Hanging & Standing Operation
- Very Precise Movement Control
- Adjustable Slipping Clutches (0-80Nm)
- 90-265VAC 50/60Hz
- IP54 / Protection Class I



What fits with the Universal Adapter Plate?

- ARRIMAX 18/12
- ARRI DAYLIGHT 18/12 PLUS
- ARRI COMPACT 12000
- ARRI COMPACT 6000
- ARRI COMPACT 6000 Theater
- ARRISUN 120
- ARRISUN 60 (also requires L2.37983.0!)
- ARRI X 60
- ARRI T 24
- ARRI T 12
- ARRI T 12 Theater





UNIVERSAL ADAPTER Plate with Quick Snap in & Mega Claw™ Attachment

Universal Adapter Plate for:

- ARRIMAX 18/12
- ARRI DAYLIGHT 18/12 PLUS
- ARRI COMPCAT 12000
- ARRI COMPACT 6000
- ARRI COMPACT 6000 Theater
- ARRISUN 120
- ARRISUN 60 (requires: L2.37983.0)
- ARRI X 60
- ARRI T24
- ARRI T12
- ARRI T12 Theater



* included in all MaxMovers



Attachment Example of the Universal Adapter Plate

System Overview - Setup 1 (typical location setup)

MaxMover Standard (analog)
L2.37980.0

Possible Accessories

Control



Ident.-No.	Description
L2.37981.0	Focus Unit
L2.37983.0	Adapter for ARRISUN 60
L2.37984.0	Mitchell Adapter
L2.38069.0	130' Ext. Cable (analog, shielded)



Cable Length 130'

Already included in L2.37980.0



Road Case

2 x Universal Adapter Plate

2 x Mega Claw™



System Overview - Setup 2 (Basic Operation with DMX, Location Setup)

MaxMover Standard (analog)
L2.37980.0

Possible Accessories

Control



Ident.-No.	Description
L2.37985.0	Basic DMX Converter
L2.37981.0	Focus Unit
L2.37983.0	Adapter for ARRISUN 60
L2.37984.0	Mitchell Adapter
L2.38069.0	130' Ext. Cable (analog, shielded)



Basic DMX Converter
(optional L2.37985.0)

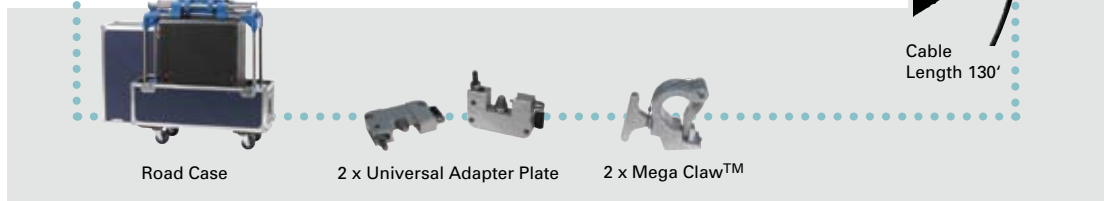
OR

Analog Controller



Cable
Length 130'

Already included in L2.37980.0



System Overview - Setup 2 (Basic Operation with DMX, Location Setup)

How does the Basic Operation with DMX work?

This option uses the "Basic" DMX Converter (control box) L2.37985.0. It translates the function of the analog hardwired hand-controller into DMX. Simple DMX controllers, as used in typical location "applications" may be used with this option of the MaxMover.

The position of the slider (PAN / TILT / FOCUS) equals the direction and speed. "Center" or 50% position of the slider means no movement. Due to safety reasons the operation must be released initially after switching on or losing the DMX signal! The "Basic" DMX converter may also be used with wireless DMX systems.

The working principle is described as follows (3 DMX channels will be used by the Basic DMX converter):

Note: For operating L2.37985.0 additional equipment such as DMX controller and DMX cable is required!



Example DMX Pocket Console
(not an ARRI product)



L2.37985.0 Basic DMX Converter



L2.37980.0 MaxMover (Standard, analog)



System Overview - Setup 3 (Fully Programmable Operation with DMX, stage & location setup)

MaxMover FP
(fully programmable DMX)
L2.37980.D

OR
MaxMover analog
L2.37980.0
+
FP DMX Upgrade
L2.37986.0

Possible Accessories

Ident.-No.	Description
L2.37981.0	Focus Unit
L2.37983.0	Adapter for ARRISUN 60
L2.37984.0	Mitchell Adapter

Control

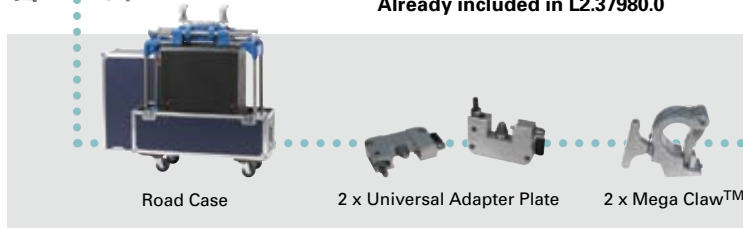


FP DMX Converter

Analog Controller



Cable Length 130'



Already included in L2.37980.0

Road Case

2 x Universal Adapter Plate

2 x Mega Claw™

System Overview - Setup 3 (Fully Programmable Operation with DMX, stage & location setup)

How does the fully programmable (FP) operation with DMX work?

This option provides full DMX functionality as found on most moving lights. Therefore, in order to work in an environment with other moving light applications where larger professional control consoles are used, the fully programmable option is needed.

The option is either available as an upgrade L2.37986.0 for the standard, analog MaxMover or under L2.37980.D the MaxMover will already come with the installed fully programmable DMX option.

The working principle is described as follows (Note: The FP DMX controller may be switched to Basic DMX operation as well):

The position of the slider (PAN / TILT / FOCUS) equals an actual position of the MaxMover. The speed of movement is usually achieved by a "cue" executed by the control console. Therefore the 'FP Operation with DMX' offers a control channel for speed as typical of many other DMX controllable units.

DMX channel setup: CH1-coarse Pan; CH2-fine Pan; CH3-speed Pan; CH4-coarse Tilt; CH5-fine Tilt; CH6-speed Tilt; CH7-Focus; CH8-movement release (50% +/- 10%) and home position (90-100%).



Example DMX Console
(not an ARRI product)



FP (fully programmable) DMX Converter



L2.37980.D MaxMover (FP DMX) OR
L2.37980.0 + L2.37986.0



System Overview – Setup 4 (Wireless DMX setup)

Wireless DMX systems may be used with Basic and FP operation with DMX!



Added value - ARRI MaxMover Function overview

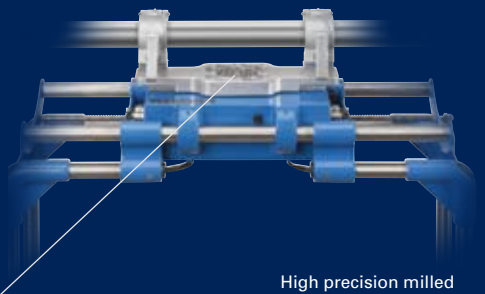
- Adjustable width design (6-24kW ARRI Lampheads)
- Max. weight load 80kg/176lb
- Universal adapter with quick snap in function
- Adjustable slipping clutches (Pan, Tilt) 0-80Nm
- Calibration-free, absolute position determination
- Calibration function for focus drive to realise a dynamic resolution of the focus travel, allows the operation of various lampheads
- Position sensor (hanging or standing operation)
- 0,35° movement resolution, 10 bit (mechanical)
- 16 bit D/A-converter (8 bit/16 bit DMX control)
- DMX profiles available (download www.arri.com)
- Control options:
 - Analog control (standard)
 - Basic DMX control (optional), incl. DMX testing functions
 - Fully programmable DMX position control (optional), incl. DMX testing functions
 - Fully programmable wireless DMX position control (optional)
- CE conformity
- Control options: IP54
- Control options: Protection class 1
- Control options: Electrically isolated control interfaces
- Control options: Independent mechanical stress testing certificate
- Wide range line input (90-265VAC 50/60Hz)

Added value - ARRI MaxMover Design features

- High quality industry standard servo motors (brushless)
- Separable bearings (Pan / Tilt) for extreme axial mechanical stress
- 35mm axial drive
- High quality special aluminium castings, high precise milled
- High precision grinded stainless steel pipes (supporting structure)
- High precision worm gear transmission (Pan / Tilt)
- High precision grinded, hardened worm gear transmissions
- High precision milled aluminium attachments
- High precision trapezoidal thread spindle (adjustable width function)
- Self-lubricating maintenance free brass bearings (Pan / Tilt)
- Polymeric bush bearing (adjustable width function)
- Seamless high precision stainless steel pipe (adjustable width function)



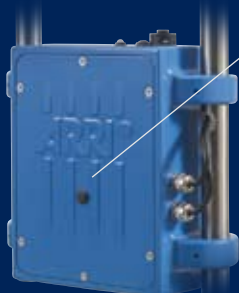
Connection panel with IP54 sockets



High precision milled aluminium attachments



Polymeric bush bearing (adjustable width function)



Access to the adjustable tilt slipping clutch



35mm axial drive, separable bearings (Pan/Tilt) for extreme axial mechanical stress

MaxMover product overview

Ident.-No.	Product
L2.37980.0	MaxMover; motorised stirrup (for 6kW-24kW ARRI Lampheads), includes Universal ARRI Adapter Plate, Mega-Claw™ mount and ARRI Analog Controller for Pan, Tilt & Focus with 130' (40m) control cable. Includes Roadcase
L2.37980.D	MaxMover FP (Fully Programmable); motorised stirrup (for 6kW-24kW ARRI Lampheads), includes Universal ARRI Adapter Plate, Mega-Claw™ mount, ARRI Analog Controller for Pan, Tilt & Focus with 130' (40m) control cable. Includes DMX 512 FP Converter Box & Roadcase
L2.37981.0	MaxMover Focus Unit; for 6kW-24kW ARRI Lampheads

Accessories

L2.37986.0	MaxMover Upgrade Kit to FP
L2.37982.0	Roadcase for MaxMover and Accessories (incl. in L2.37980.0 + L2.37980.D)
L2.37983.0	Adapter plate for ARRISUN 60
L2.37984.0	Mitchell Adapter Mount Plate
L2.37985.0	DMX 512 „Basic“ Converter Box for L2.37980.0
L2.38069.0	Extension Cable for Analog Controller 130' (40m, shielded)



MaxMover FocusUnit

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