Magnum Video Production Package

(P-W5P-MGNM)

INSTRUCTION MANUAL

TABLE OF CONTENTS

INTRODUCTION

From sweeping panoramas to intimate close ups in a single move, video crane shots have always added dramatic energy to enhance the field of view. Found at sporting events, music videos, TV series, Feature Films and studio productions, video crane shots turn ordinary into extraordinary.

IN THE BOX

Please inspect the contents of your shipped package to ensure you have received all that is pictured and listed below. The padded shipping /storage containers has been especially designed to protect your purchase while in transit and is a good place to keep your PROAIM Magnum Production Package when not in use.

Packaging Material of Box-1

- 4 x Jib Sections
- Weight Rod with closers
- Top & Side Support Rods

Packaging Material of Box-2

- 5 x Jib Sections
- Tail Section
- Spreader

Packaging Material of Box-3

- Tripod stand

Packaging Material of Box-4

- 2x 30.5ft cables (Supper St Cable)
- 1x 26.1ft cable (Straight Cable)
- 2x 22.8ft cables (Strut Cable)
- 1x 18.2ft cable (Straight Cable)
- 1x 10.6ft cable (Straight Cable)
- 1x 4.6ft cable (Top Cable)
- 1x 3.5ft cable (Top Cable)
- Camera Platform cable (Giant Cable)
- Central fork
- 10x wire tensioners
- 25x hooks
- Screws

Packaging Material of Box-5

- Gold Pan Tilt Head
- Joystick Box
- 12volt AC Adapter
- 23 Foot/7 meter Long Control Cable
- 3 meter long 4pin XLR cable (for using 12VDC Battery Packs
- Camera Mounting Screw (1/4")
- 4 Head Mounting Screws
- AC Adapter

Packaging Material of Box-6

- E- Focus Pro Zoom & Focus Control with 15mm brackets.
- 13” 0.8 gear belt with pin lock.
- Remote Control with Mounting Clamp.
- 7.2 V Li-on Battery with charger & cable.
- 4 Pin Connector Cable.

Packaging Material of Box-7

- Proaim Power pack

Packaging Material of Box-8

- D-33 Dolly

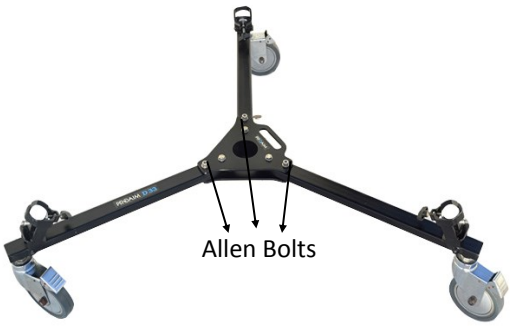
ASSEMBLING TRIPOD STAND

For Spreader :

⇒ Take out the Spreader from the Accessory Bag. Spread the spreader on floor and open the legs of spreader with the help of provided knob.

For Dolly :

⇒ Open the legs of Dolly and spread it on floor. Then tighten the Allen bolts to secure the legs in place.




Locking Wheels


Tripod holding glass


Dolly leg jointer

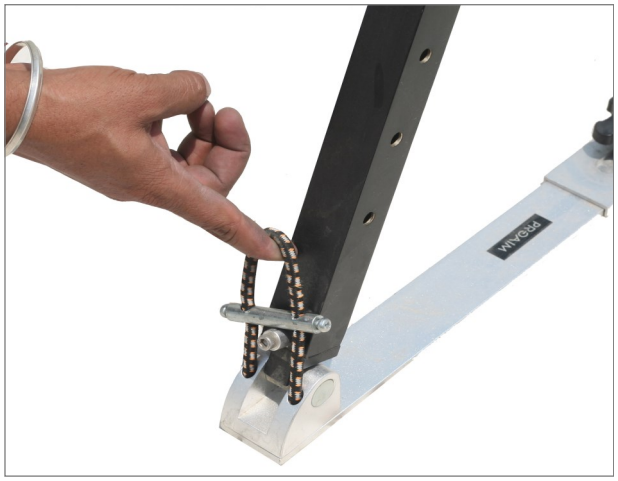
This dolly has various holes for flexible mounting of Tripod

- Now take out the Jib Stand from its case, spread and extend its legs.

- Match the holes of the bottom leg section with the upper leg section to secure the tripod stand with the **Steel locking Pins** and tighten the knobs.

Warning: We have provided double locking precautions on Jib Stand; Pin is the first and primary locking, knob is the secondary locking, so first lock the Pin to avoid slipping of stand.

- **In case of Spreader :** Fix the tripod stand with Spreader and tighten the top ratchet knobs of stand to secure it in place.



- **In case of Dolly :** Insert the tripod legs into the foots on the dolly.

Dolly Foots

INSTALLING THE HUB ASSEMBLY

- Install the Hub Assembly by sliding the bottom of the hub assembly into the stand's Mount opening.

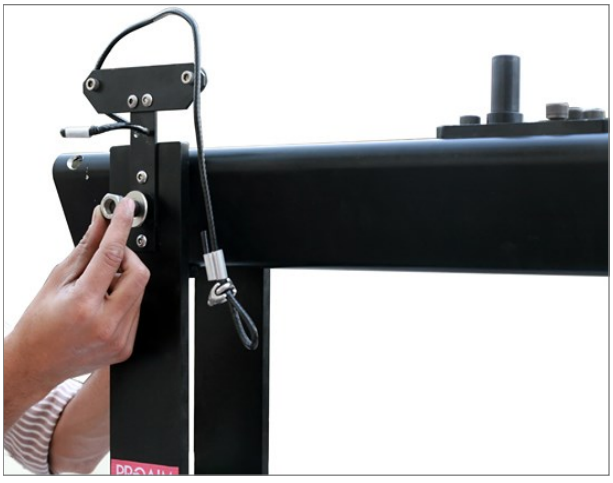
Note : *The Hub Assembly has several mounting holes. You can mount LCD Monitor or Joystick box to this assembly if you want.*

- Align the holes of the bottom of hub assembly with the stand's mount opening and secure it with the provided knobs.

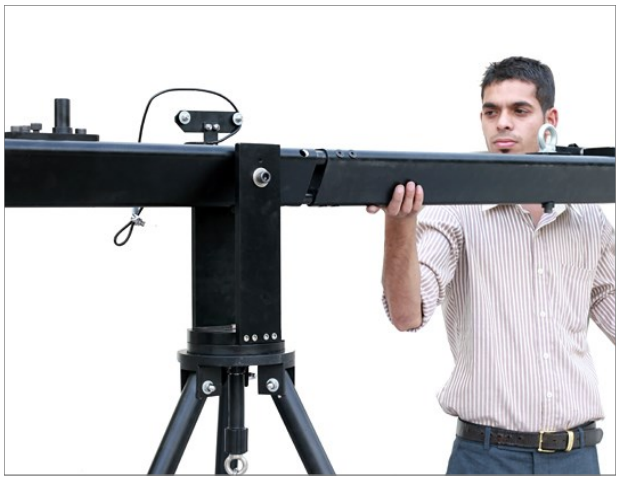
Warning: This is the Pan Friction Knob. Never pan the Jib with this knob tightened. If this knob turns while panning, it is too tight. Only tighten while parking the jib!

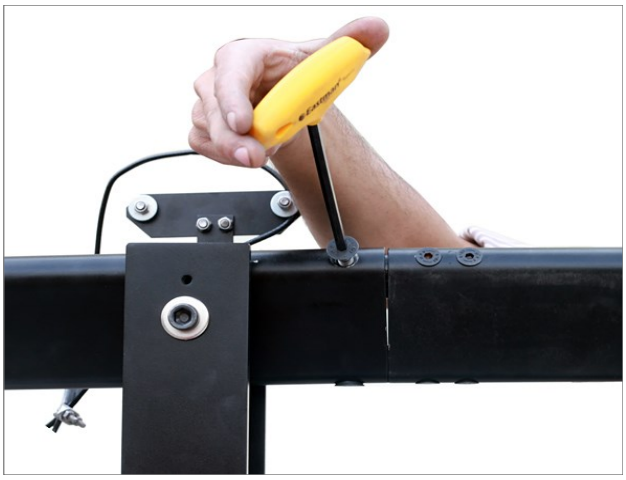
ASSEMBLING JIB SECTIONS

- Install the 8th Section to the rear of the vertical pivot point through bolt, washers and nut. Tighten the nut properly to secure the section.

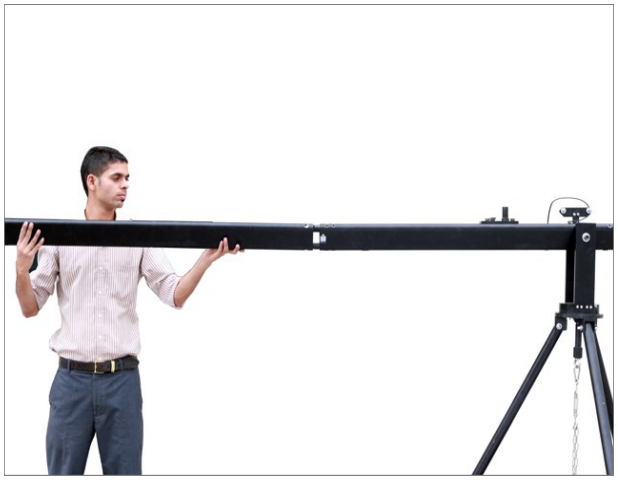


- Slide in 9th (small) section to the rear to join the 8th section. Install the allen screws to the joining holes of both the sections and tighten. Then join 10th section at the back.





- Using the same approach insert 7th, 6th and remaining sections to the joints on front side and secure via bolts as shown below.



ASSEMBLING CABLE GUIDE AND ROD SUPPORT

- Attach cable guide to cable guide clamp on 8th section properly. Loosen the bolts on cable guide clamp in order to attach cable guide support rod to it. Retighten the bolt.

- Attach hooks to provided hook slots on all sections of the jib as shown below.

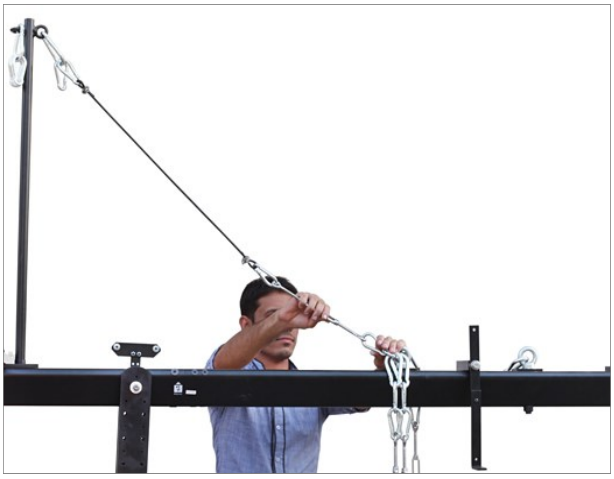
- Then attach 2 hooks to the hook that you attached (as per above image) with 1st, 3rd and 1 hook to 5th section.

- Attach 3 hooks one after another to four wire tensioners.

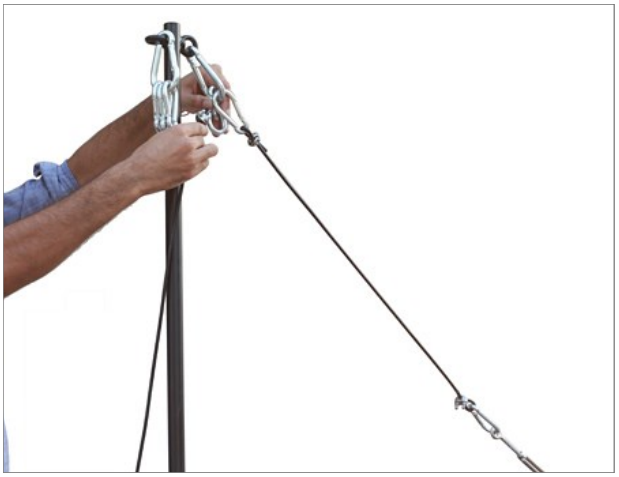
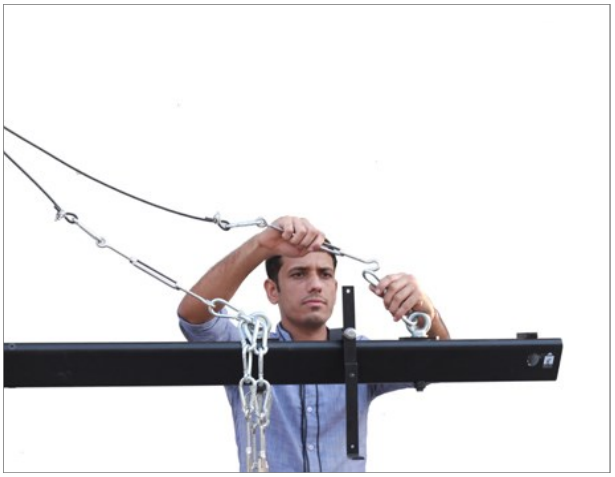
- Attach 2 hooks on both slots on cable guide. Then attach three extra hooks to hook attach to front side and two hooks to hook attached on back side.

ASSEMBLING CABLES

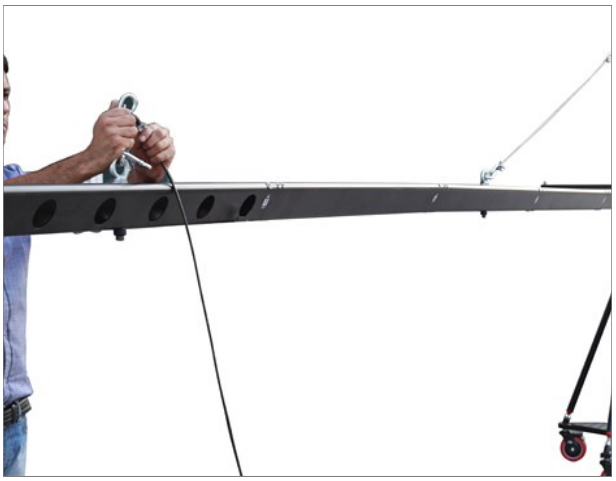
- Now attach one end of 3.5ft cable to hook on back side and another end to hook on 1st slot on 9th jib section with the help of wire tensioner.

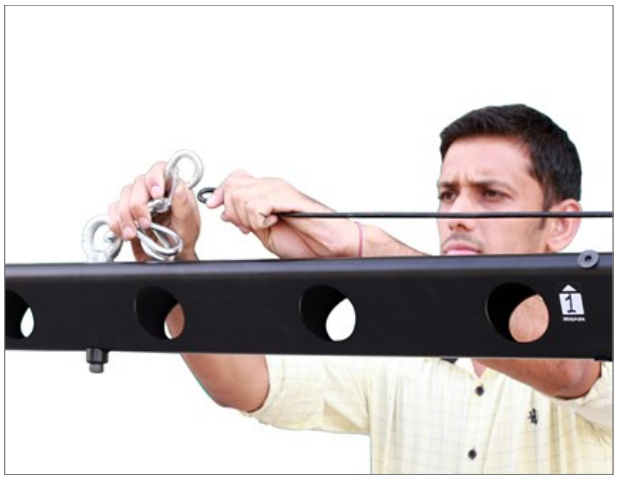
- Attach 4.6ft cable to same hook on cable guide and another end with hook on 2nd slot on last section as shown below.

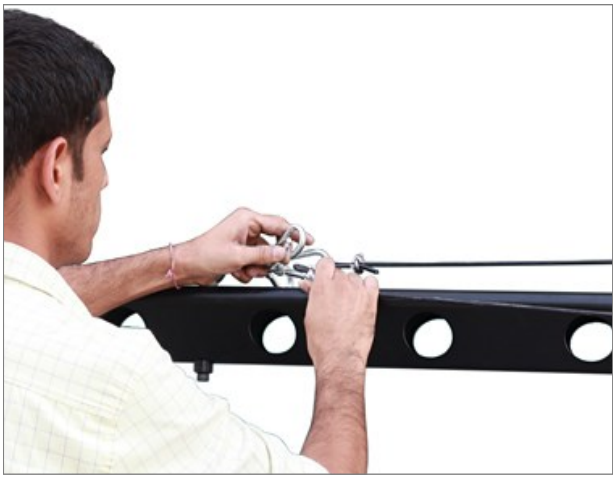
- Attach one end of 10.6ft cable to one of the hook attached on front side of cable guide and another end with hook attached to 5th section of jib.
- Then attach one end of 18.2ft cable to hook attached on 3rd section and another end with the 2nd hook attached to cable guide as shown below.

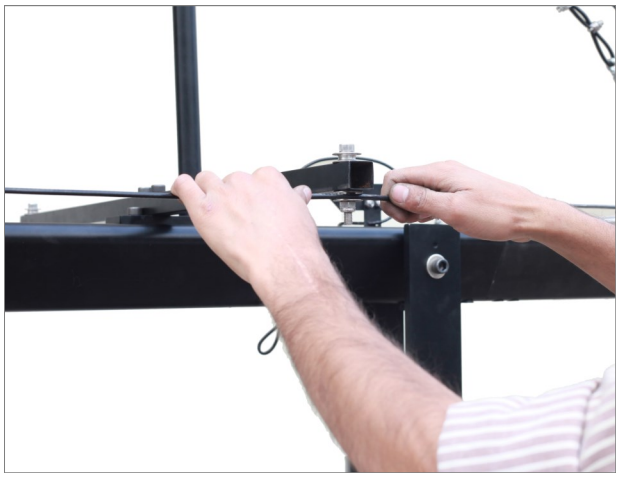
- Attach 26.1ft cable to hook attached on 1st section of jib and another end with 3rd hook attached to cable guide as shown below.



- Then attach one end of 30.5ft cable to wire tensioner with hooks attached to 9th section and another end with 2nd hook attached on 1st section.
- Using the same approach attach another 30.5ft cable to wire tensioner on another side of jib and one end with 3rd hook on 1st section.

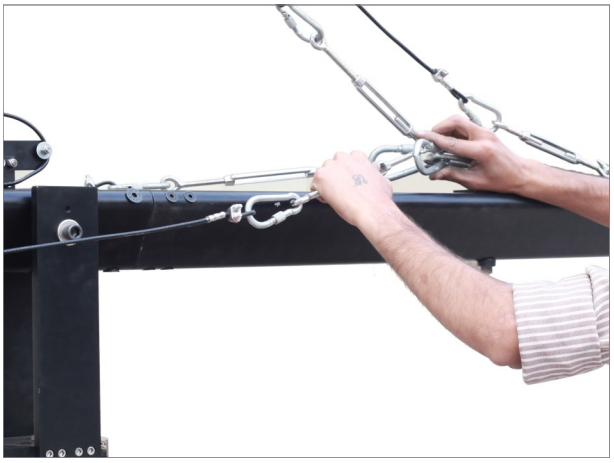


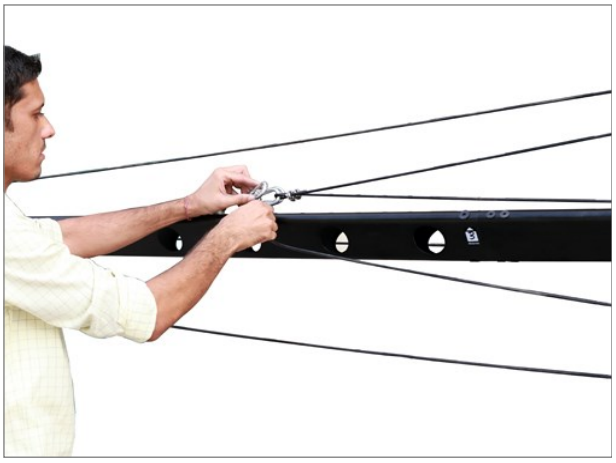
- Now pass both side cables through space on bottom of cable guide support rod as shown below.



- Attach 22.8ft cable to wire tensioner with hook attached to 9th section and another end with hook on 3rd section.

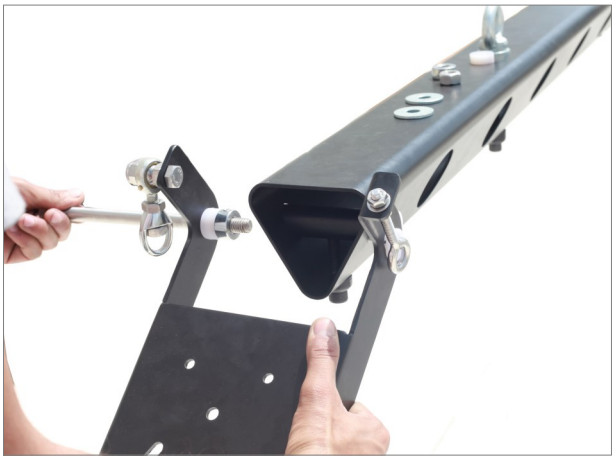
- Using same approach attach 2nd 22.8ft cable from another side and attach the end to 3rd hook on 3rd section, then pass both side cables (small) through space on top of cable guide support rod.



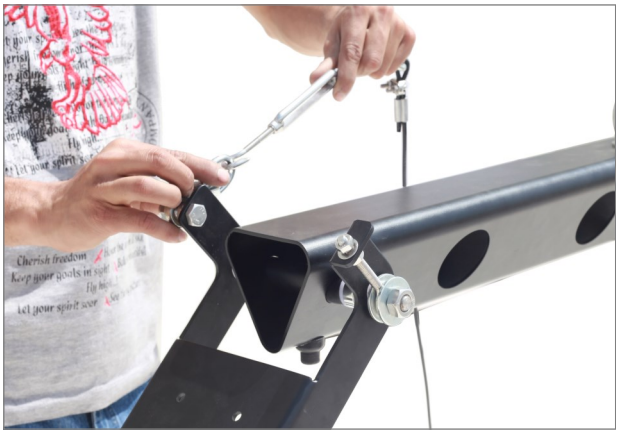


INSTALLING THE HEAD PLATFORM

- Remove the threaded pin on head platform in order to install the Head Platform assembly (leveling arm up) to the end of the smallest section (front section) with the provided bolt, shaft collars, washers and nut. Tighten all the Allen bolts and nuts to secure properly.

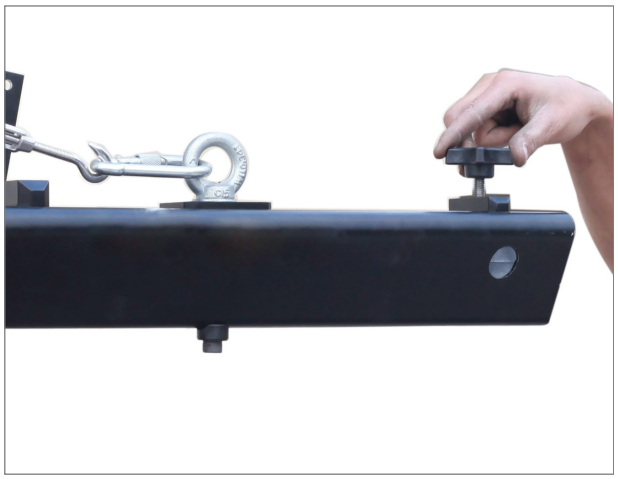


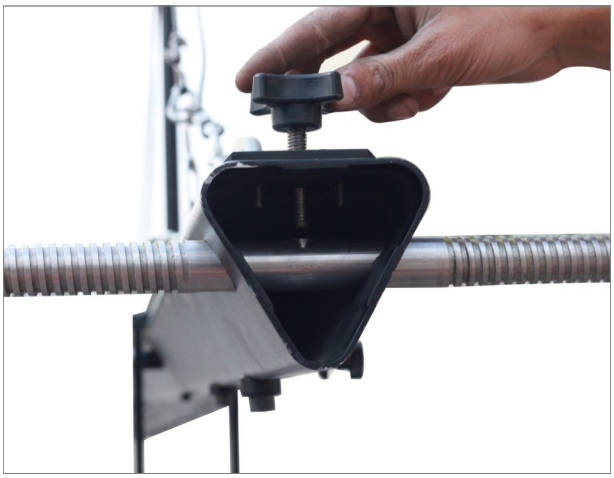
- Attach one end of head cable to slot on head platform with the help of wire tensioner and another end with the cable already attached to central fork with wire tensioner as shown below.



Cable attac
central fork

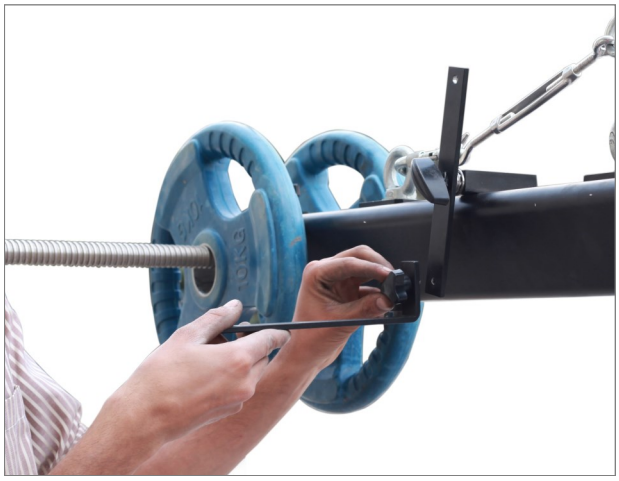
- Loosen the knob on rear section, remove closers from weight bar and insert it to slot on rear section. Retighten the knob to ensure slip free connection.





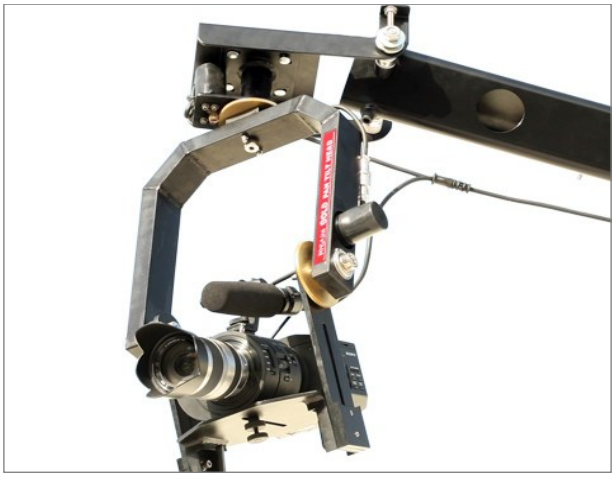
- Attach weights (**not supplied**) to both ends of weight bar, secure with the help of closers.

- Attach LCD mount L-bracket to bracket already attached to rear section with knob.
- Now mount LCD (**Not included**) to L-bracket and tighten with screw driver.



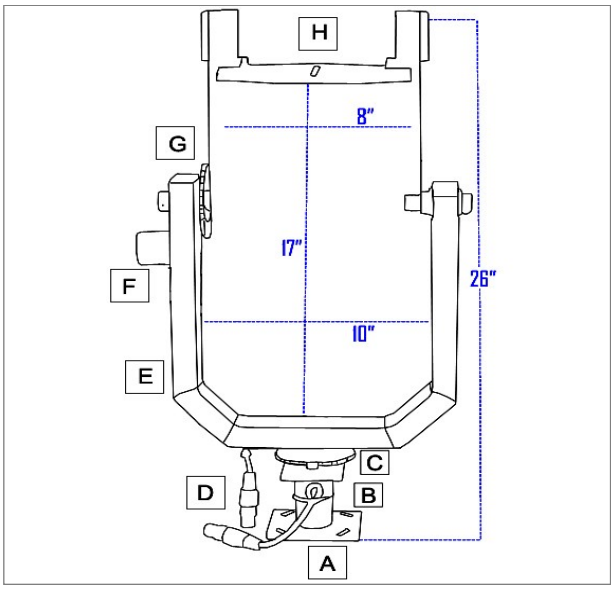
INSTALLING PAN TILT HEAD

- Attach pan tilt head to base of head platform through screws, bolts and nuts.



POWER HEAD ANATOMY

A Square Mount for Crane / Tripod Stand
B 12v motor for Pan
C Brass Gear for Pan
D Inbuilt XLR Cable connector
E Head Frame
F 12v motor for Tilt
G Brass Gear for Tilt
H Camera Platform

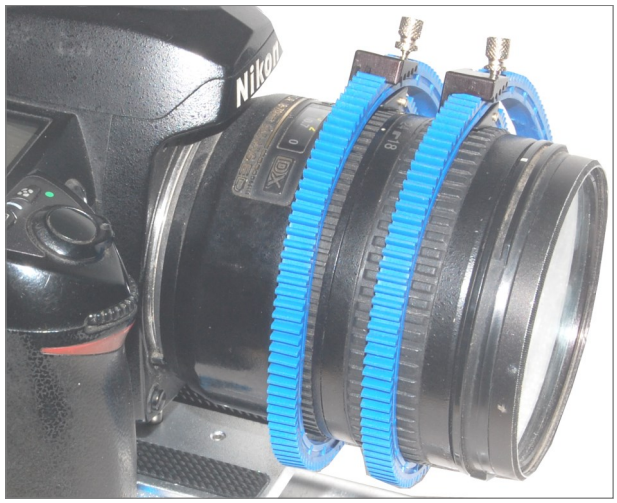


- Adjust the mounting extension so that the pan motor is in the rear facing position before mounting.

- Install your cable starting at the camera end; leaving enough cable slack for the camera for full pan & tilt movement, you may need to add Velcro to loop the cable around the jib arm.

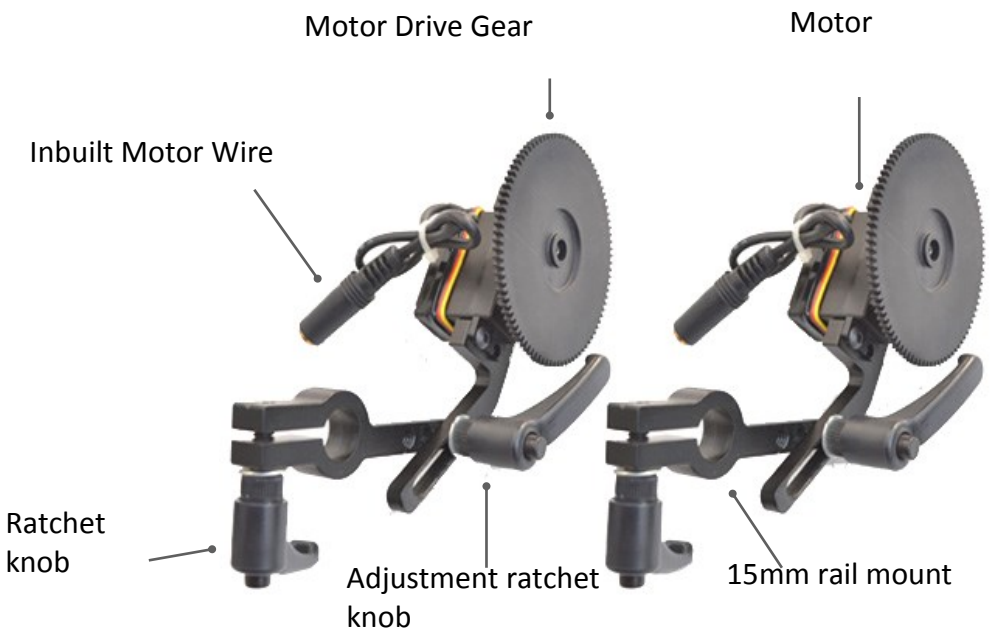
INSTALLING THE E-FOCUS

- For installing the E-focus, You first need to wrap the gears around the lens, cut to size, press on gear locking housing and tighten the screw to secure it properly.



DETAILS OF MOTOR DRIVE GEAR

- The Motor drive gear has 15mm rail mount to mount on your 15mm rod support.
- The built-in gearbox block on zoom and focus brackets enables smooth working of gear.
- E-Focus Control provides smooth manual focus control of lenses.



ATTACHMENT OF MOTOR DRIVE GEAR

- Insert one motor drive gear, on one rod to attach it to the focus ring of camera and other motor drive gear on the other rod to attach it to the zoom ring of the camera and tighten the knobs to secure them properly.
- Then, adjust the drive gear with the help of knob to match the gear teeth of gear belt and motor drive gear properly for smooth functioning and after adjusting tighten the knob.

DETAILS OF REMOTE CONTROL

Front/Side View

Battery Mount

Focus Knob

Zoom Knob

15mm Rail mount

Back View

Ratchet knob

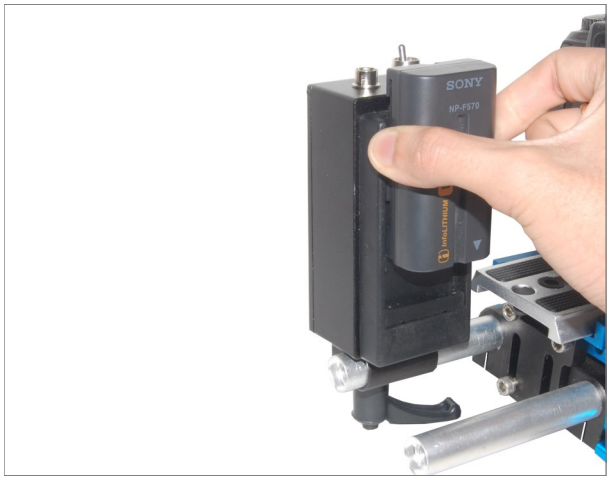
Top View

4 pin male Lemo connector for battery wire

ON/OFF Switch

ATTACHMENT OF REMOTE AND BATTERY

- Attach the remote on one rod to attach it on to the 15mm rod support and tightened the knob. Insert the battery into battery mount .



DETAILS OF WIRES

- Long cable to be use this e-focus with jib with 4 pin Lemo female connector at one end and two jack connectors on other end of same wire

Long Cable

4 pin Lemo female connector

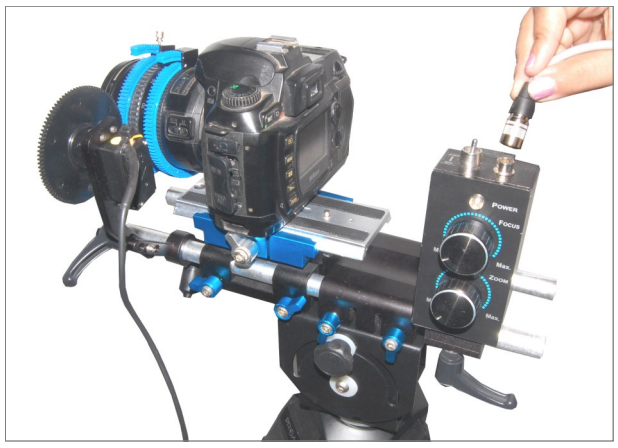
Two jack connectors

ATTACHMENT OF WIRES

- At one end of long cable there is 4 pin Lemo female connector . Attach 4 pin Lemo female connector of cable with 4 pin Lemo male connector of remote control.

4 pin lemo female connector of cable

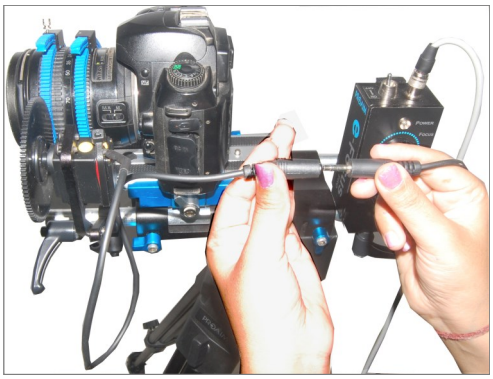
4 pin lemo male connector of Remote control



- At other end of cable there are 2 jack Connectors. Attach one of these jack connector with inbuilt wire connector of one motor drive gear and other with inbuilt wire connector of other motor drive gear.

cable 2 jack
Connector

Connector of inbuilt wire of
Motor drive gears



Balancing Tips :

1. 38' Jib

Weights required for balancing only Jib (without camera & Pan Tilt) is: 88 Kg (194 lbs)

For balancing 7 Kg (15.4 lbs), we further need another 37 Kg (81.5 lbs), the formula is:

(Weight of Camera + Pan Tilt) x 5.3 = Additional counter weight required to balance the equipment on the Jib

(e.g. 7Kg x 5.3 = 37 Kg)

Total recommended weight: 125 Kg (275.5 lbs)

2. 34' Jib

Weights required for balancing only Jib (without camera & Pan Tilt) is: 69 Kg (152 lbs)

For balancing 7 Kg (15.4 lbs), we further need another 33 Kg (73 lbs), the formula is:

(Weight of Camera + Pan Tilt) x 4.67 = Additional counter weight required to balance the equipment on the Jib

(e.g. 7Kg x 4.67 = 33 Kg)

Total recommended weight: 102 Kg (225 lbs)

3. 30' Jib

Weights required for balancing only Jib (without camera & Pan Tilt) is: 63.5 Kg (140 lbs)

For balancing 7 Kg (15.4 lbs), we further need another 31.5 Kg (69.4 lbs), the formula is:

(Weight of Camera + Pan Tilt) x 4.5 = Additional counter weight required to balance the equipment on the Jib

(e.g. 7Kg x 4.5 = 31.5 Kg)

Total recommended weight: 95 Kg (209.4 lbs)

4. 26' Jib

Weights required for balancing only Jib (without camera & Pan Tilt) is: 40 Kg (88.2 lbs)

For balancing 7 Kg (15.4 lbs), we further need another 23 Kg (50.7 lbs), the formula is:

(Weight of Camera + Pan Tilt) x 3.3 = Additional counter weight required to balance the equipment on the Jib

(e.g. 7Kg x 3.3 = 23 Kg)

Total recommended weight: 63 Kg (138.9 lbs)

5. 22' Jib

Weights required for balancing only Jib (without camera & Pan Tilt) is: 25 Kg (55 lbs)

For balancing 7 Kg (15.4 lbs), we further need another 16.3 Kg (36 lbs), the formula is:

(Weight of Camera + Pan Tilt) x 2.33 = Additional counter weight required to balance the equipment on the Jib

(e.g. 7Kg x 2.33 = 16.3 Kg)

Total recommended weight: 41.3 Kg (91 lbs)

6. 18' Jib

Weights required for balancing only Jib (without camera & Pan Tilt) is: 7.5 Kg (16.5 lbs)

For balancing 7 Kg (15.4 lbs), we further need another 12.8 Kg (28.2 lbs), the formula is:

(Weight of Camera + Pan Tilt) x 1.83 = Additional counter weight required to balance the equipment on the Jib

(e.g. 7Kg x 1.83 = 12.8 Kg)

Total recommended weight: 20.3Kg (44.7 lbs)

7. 14' Jib

Weights required for balancing only Jib (without camera & Pan Tilt) is: without any weight (with tail only)

For balancing 7 Kg (15.4 lbs), we further need another 10.5 Kg (23 lbs), the formula is:

(Weight of Camera + Pan Tilt) x 1.5 = Additional counter weight required to balance the equipment on the Jib

(e.g. 7Kg x 1.5 = 10.5 Kg)

Total recommended weight: 10.5 Kg (23 lbs)

YOUR PROAIM 38FT MAGNUM PACKAGE
ALL DRESSED UP AND READY TO GO

(SHOWN WITH OTPIONAL ACCESSORIES)

WARRANTY

We offer a one year warranty for our products from the date of purchase.

We will repair or replace your product, free of charge, in the event of a defect in materials or craftsmanship obtained during normal use or handling based on the user manual. Please note that we will not cover any shipping costs for returning the product to us. If any VAT or import duties are applied to the return, we will also charge these costs to the customer.

The warranty does not include, by the way of example, damage caused by products that we do not supply or from mishandling in transit, accident, misuse, neglect, lack of care of the product , or service by anyone other than our company.

We are not liable for incidental or consequential damages resulting from the use of the unit or occurring due to any breach of this warranty.

Replacement parts of the product will be provided at nominal cost (covering the cost price of the replacement parts only) to the customers after the Warranty Period has expired. We will cover the complete cost of sending replacement parts within the warranty period. After that, Nominal cost of the product & Actual shipping cost will be charged.

Do not send the unit to us without first getting a response and getting the approval to send back the item.

In case of any kind of dissatisfaction, we urge you to Contact us immediately and we shall do our Best to help you out. For any other assistance you can reach us via email.

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