



24ft Fraser Crane Package (JB-FR4T-00)

Instruction Manual

PR  **AIM**
┌ CINEMA SERIES ─┐

Introduction

A fully professional 24ft Fraser film production package is a perfect filming solution to increase your production value. Fraser, a DV & Eng jib system has numerous features to support & offer great performance. It is compatible with many types of DV, HDV & broadcasting cameras. This triangular jib crane with high-intensity aluminium alloy structure fits smoothly & securely with one another providing super rigidity and strength. Precisely designed 2-axis pan-tilt head adds creativity to your shots. Accompanied with various other benefits, it completes the package which is designed to enhance the cinematic quality.

What's In The Box

Please inspect the contents of your shipped package to ensure you have received everything that is listed below.

Jib Sections

<p>Section 1</p>  <p>Section 2</p>  <p>Section 3</p>  <p>Section 4</p>  <p>Section 5</p>  <p>Section 6</p> 	 <p>Cables Length & Quantity</p> <ul style="list-style-type: none"> 14ft 5"-1 (Red) 6ft 8"—1 (Red) 4ft 7"—1 (Red) 3ft 8"—1 (Red) 18ft 8"-1 (Blue) 10ft 10"-1 (Blue) 17ft 2"-1 (Yellow)
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Cable Guide Support Rods

 <p>Hub locking knob</p>  <p>Locking pin</p>  <p>Weight rod with weight closer</p>	 <p>Monitor Supporting Rods</p>	 <p>Jib stand with dolly</p>
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Pan Tilt Head



1 x motor holding rod



Focus & Iris Gears



4 x Knobs



Head control handle



Camera control handle



Main Controller Box

Pan Tilt Wires



8mtr BNC to BNC long Connecting Wire (1pc)



8mtr 7 pin to 7 pin XLR male wire (1pc)



2 x Joystick Wires
1. with blue ring
2. with yellow ring



3.5mm jack male to male connecting wire (1pc)



2.5mm jack male to male connecting wire (1pc)



1mtr BNC connecting wire (1pc)



Lemo to din connecting wire (1pc)



5 pin lemo male to male connecting wire (1pc)



4 pin XLR male to female connecting wire (1pc)



lemo to push or pull connecting wire (1pc)



Main AC Adapter connecting wire (1pc)



Safety Hints of Jib Crane

ATTENTION: PLEASE READ THIS BEFORE USING TO PREVENT DAMAGE TO EQUIPMENT & OPERATOR!

- The crane may not be assembled or operated under influence of alcohol, drugs or any other intoxicating substances. Lack of attention while connecting the components together can cause substantial damage to equipment/operator.
- The crane may only be operated on levelled horizontal position. Make sure that the surface is stable.
- To prevent any harm or injury, properly join all sections of the crane. It is suggested to use the support stand while telescoping the complete length.
- Always connect the steel cables properly to provide stability to the system. They should not negatively impact the movements of crane in any way.
- After setup of the crane, the pan-tilt head / gimbal head shall be positioned under the central pivot section. In assembled state, when the pan-tilt head / gimbal head is higher than central pivot section, there should be someone to look after the crane system.
- The complete panning & lifting range around it must be kept free. Avoid anybody standing under the crane. No loose objects may be stored or placed on it. Be very careful while using indoors.
- Never operate the crane in the immediate vicinity of high-voltage power cables. It holds danger to life.
- Particular care is required when operating the crane in unfavourable weather conditions. The crane must be shut down in sufficient time. When it is used in a rainy day, the pan-tilt head / gimbal head and controlling bar shall be protected against rain.
- When you want to transport the crane, lock the Pan & Tilt Axis for safety. Make sure that the components do not rub together and cause any material wear.
- Before the counterweights are removed, ensure the remote head is resting on the support stand. Then gradually remove the counterweights before remote head, camera or other parts.

- In the interest of safe crane operation, avoid abruptly swivelling or stopping the crane, otherwise it may cause serious damage to equipment.

FOLLOWING THESE GUIDELINES WILL PROVIDE BETTER SHOTS AND TROUBLE FREE OPERATION.

SHOULD YOU NEED ADDITIONAL INFORMATION, TECHNICAL ASSISTANCE IS AVAILABLE 'ONLINE' BY CONTACTING THE SALES REPRESENTATIVE.

■ Assembling the Dolly

- Loosen the knob from the center of folded dolly and spread it on floor. Then tighten it again.



NOTE: To keep the dolly in static position, lock the wheels by pushing down the lever.

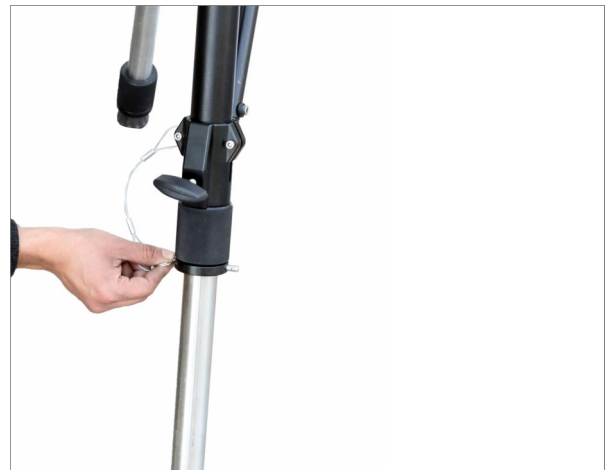


Attaching the Jib Stand

- Loosen the knob at the bottom of jib stand. Stretch its legs on floor and set the height of stand, as per the requirement. Then tighten the knob back to secure it.



- Insert the locking pin for extra security of jib stand.



- Place the jib stand onto dolly.

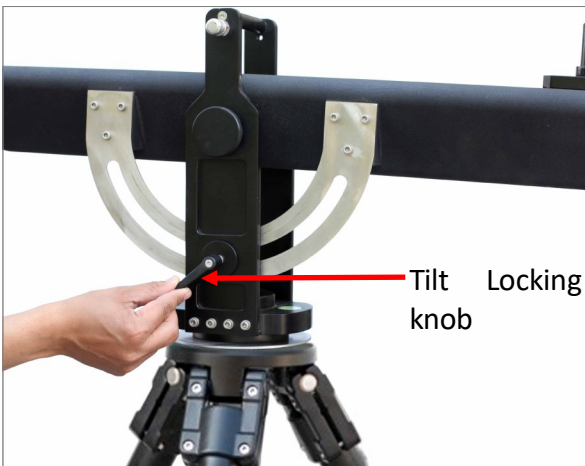


Assembling the Jib Crane

- Place Section-2 with Hub Mounting on top of jib stand. Tighten it with Hub Locking Knob, to secure it properly.



- Lock both the pan and tilt knobs to assemble the Jib crane.



- Attach Section-1 with Section-2 towards the operator (back) side. Tighten the allen bolts to secure it.

NOTE: Repeat this process for rest of the sections. Attach them towards the other end of Section-2.

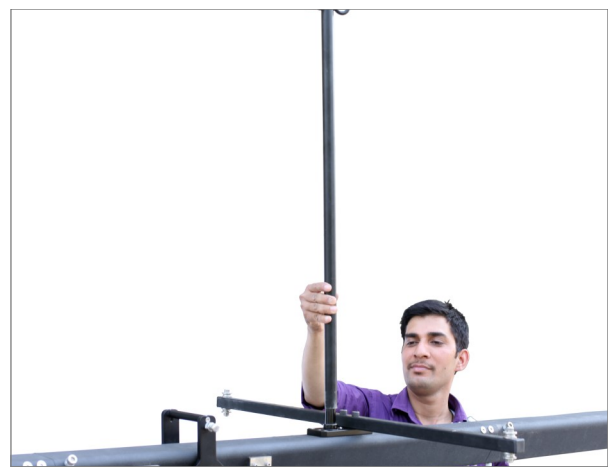


Attaching the Cable Guide Rods

- Loosen the allen bolt of integrated Cable Guide Clamp on Section-2, in order to attach Cable Guide Support Rods to it.



- Attach the horizontal Cable Guide Support Rod to clamp on Section-2 and tighten the allen bolts properly to secure it. Then attach the vertical Cable Guide Support Rod onto the guide clamp.



Attaching the Stability Cables

- Firstly, fix a hook to Cable Guide Rod on Section-2. Then attach 4.7ft (Red) cable into the hook & connect it to clamp on Section -1.

NOTE: You can adjust the cable with the help of Cable Tensioner.



- Now from the same hook, connect 3ft 8" (Red) cable from Section-2 and attach it to a different clamp on Section-1.



- Fix another hook to the other side of Cable Guide Rod on Section-2, attach 6.8ft (Red) cable to the hook and further clamp it on Section-4. Adjust the cable with the help of Cable Tensioner.
NOTE: Repeat the same process to connect 14.5ft (Red) cable from Section-2 with clamp on Section-6.



- Then fix 10ft 10" (Blue) cable to clamp on Section-4 & fasten it backwards to the clamp on Section-1, via Cable Guide Side Rod. Repeat the same process for other side.



- In the same way, connect 18.8ft (Blue) cable to clamp on Section-6 & fasten it backwards to the clamp on Section-1, via Cable Guide Side Rod. Repeat the same process for other side.



- Align both the cables properly with Cable Guide Side Rods.

- Attach the 17.2ft yellow cable to the hub section and attach it with the head section of jib and adjusting the cable with the help of wire tensioner.



Safety Hints of Pan Tilt Head

ATTENTION: PLEASE READ THIS BEFORE USING TO PREVENT DAMAGE TO HEAD!

APPROPRIATELY MOUNT PAN TILT HEAD

The head must be attached securely with all knobs properly tightened, to avoid harm both to the equipment and crew.

BE WATCHFUL WHILE HEAD IS IN MOTION

Do NOT put fingers or other body parts near the movable elements of head when the Controller is switched on. It can result in wounds or other injuries.

CAREFULLY USE THE BATTERY

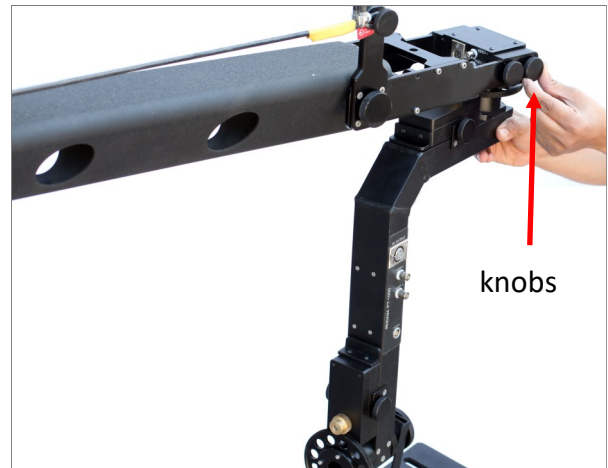
When the crane system is not-in-use, Switch-off the Main Control Box to save on the battery usage.

FOLLOWING THESE GUIDELINES WILL PROVIDE BETTER SHOTS AND TROUBLE FREE OPERATION.

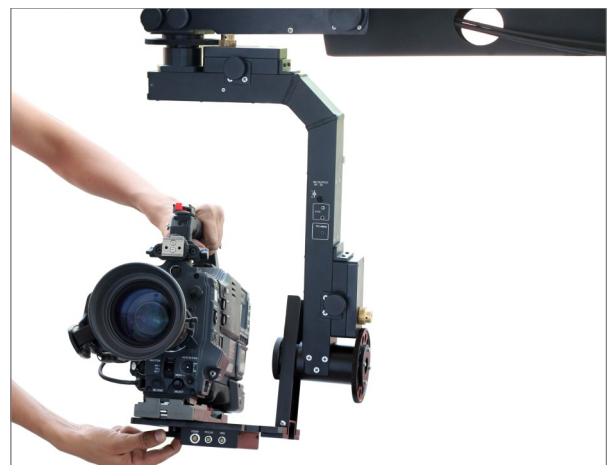
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Setup & Adjustment of Pan Tilt Head

- Connect Pan Tilt Head by sliding into the mounting of crane smoothly & accurately. Secure it with the help of knobs.



- Mount your camera on the mounting plate of Pan Tilt Head and secure it with the help of provided chucknut.



- Insert 15mm Motor Holding Rod into camera mounting plate to attach Iris and Focus gears.



- Then insert Iris gear into rod. Connect it to Iris ring of the camera and plug the Iris cable from camera to front side of camera circuit board.

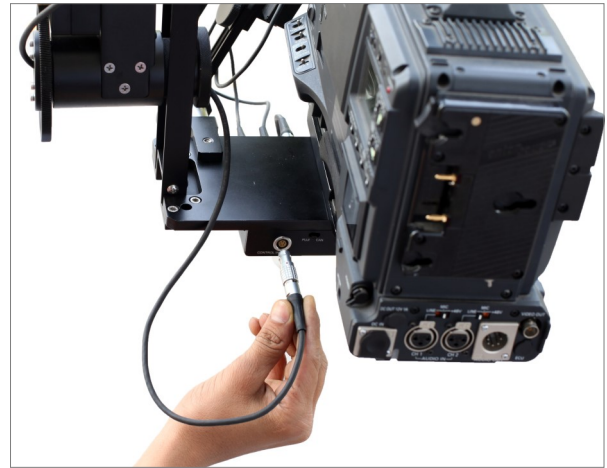
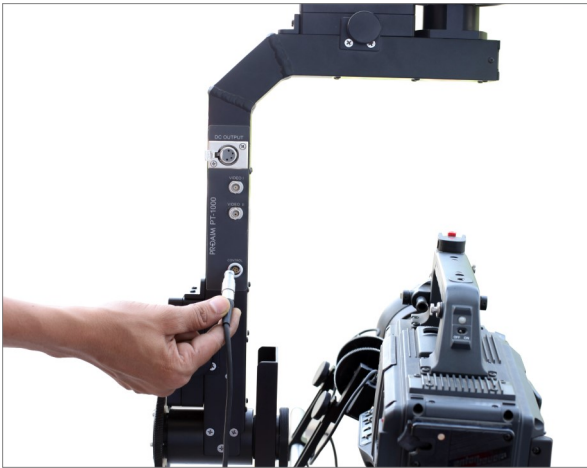


NOTE: Repeat the same process for Focus gear.

- Similarly, plug lemo to din connecting wire from camera to circuit board.



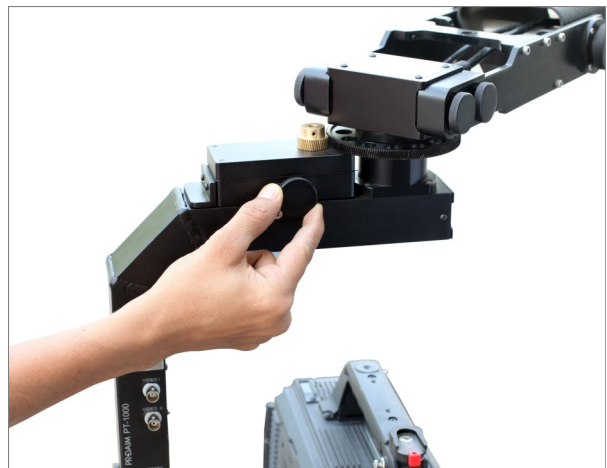
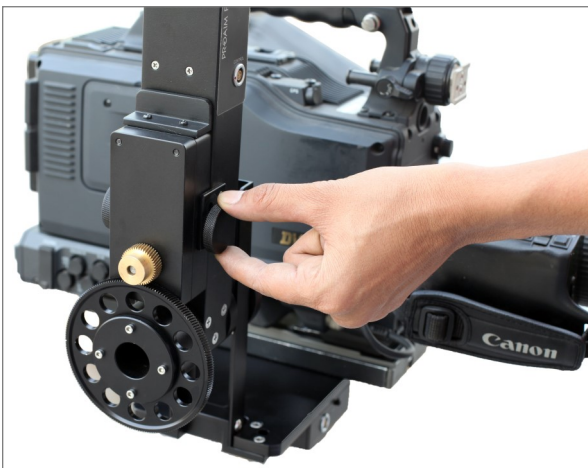
- Plug the 5 pin male to male lemo wire from circuit board of head to back side of camera circuit board.



- Also, plug the 1 meter BNC wire from your camera to circuit board of head.



- In order to balance the camera on head, detach the pan and tilt gears via provided knobs & then properly balance your camera. Once it is done, you can reattach the gears and tighten the knobs.



- Attach the LCD and Controller Mounting Rods on Section-1 and tighten the knobs to secure.



- Connect the cable from Hub Assembly to Mounting Rod/Bracket.



- Now attach Main Controller Box onto the side of bottom bracket.

NOTE: You have 2 ways to use Pan Tilt Head with this Controller Box.

(a) V-Mount Battery (b) Main AC Cable

NOTE: For smooth operation of zoom function - zoom knob needs to be set above 25 percent.

DO NOT use both the options together.

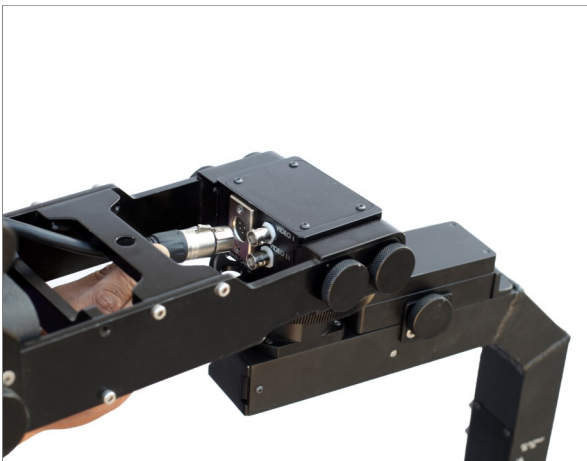
(a) With V-Mount Battery



(b) With Main AC Cable



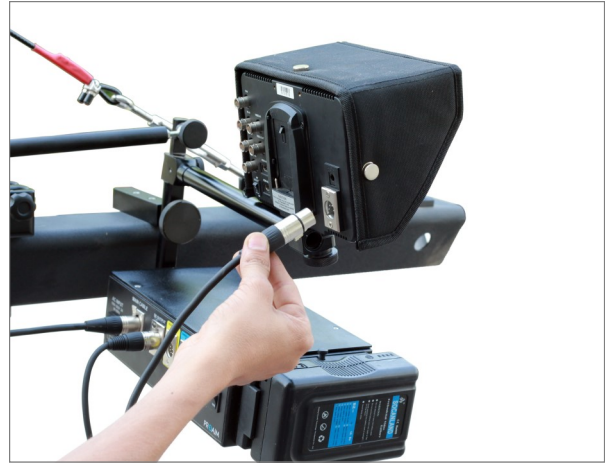
- Attach 8mtr 7 pin XLR Cable to the top of Pan Tilt Head and connect it to Main Controller Box.



- Then fix LCD Monitor onto the upper bracket and tighten the knob properly.



- Connect 4 pin XLR male to female wire from Main Controller Box to the LCD Monitor.



- Then connect 8mtr BNC long cable from the top of Pan Tilt Head to LCD Monitor.



- Attach the weight rod on Section-1 and add counterweights according to your camera setup.



- Then attach the Iris & Zoom-Focus Control Handles to the weight rod.



- Finally, plug-in 7pin XLR Joystick Wire (Yellow Ring) from Main Controller Box to Head Control Handle.



- Similarly, plug-in 7pin XLR Joystick Wire (Blue Ring) from Main Controller Box to Camera Control Handle.



YOUR PROAIM 24ft FRASER CRANE PACKAGE ALL DRESSED UP AND READY TO GO!



(SHOWN WITH OPTIONAL 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.