

# Sky-Walker Pro Cable Cam System (P-SWCC-10)

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Instruction Manual

**PR**  **AIM**  
└ CINEMA SERIES ┘

At Proaim, our goal is to ensure 100% Customer Satisfaction in all that we do.

We back our sales with a 1 year warranty from the date of purchase and work hard to resolve any problems in the unlikely event one should arise.

With our commitment to continuous improvement and your Feedback, building on our reputation of providing affordable, quality products is  
PRIORITY #1.

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## ■ Welcome To Proaim!

Dear Client,

On behalf of all the people that work so hard to provide you with the most up-to-date, flexible and cost-efficient production gear, we would like to welcome you into the Proaim family.

By purchasing your Sky-Walker Pro Cable Cam System, you have just joined a host of designers, engineers, machinists, assembly, customer service and office staff that take great pride in all that they do. Our mantra of continuous improvement has been the guiding principle of how we conduct our business since day one.

Once you have the opportunity to experience your new Sky-Walker, we hope you will agree that we craft quality products at a competitive price. Products designed to meet and exceed the standards of today's real production world.

Standards set by our valued clients and standards we strive to maintain.

With Best Wishes,  
Proaim Team

## ■ Introduction

Proaim Sky-Walker Cable Cam System is a professional video shooting equipment that gives filmmakers total control over motion and allows shooting in any situation. It offers the possibility to fly your camera in open space by remote-controlled cable-drive system. The cable cam is used in areas where the camera needs to constantly repeat a forward/back or left/right tracking shot. It is compatible with DJI Ronin/M/MX & Mövi gimbal stabilizers. All parts are made of CNC machined Aluminum with utmost precision and care. It works at maximum speed of 40 km/h and with a maximum payload of 10kg/22lb.

## ■ What's In The Box

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



Cablecam



Remote



Power Cable



Charger Accessories



Chain Pulley



Climbing Hooks



Balance Assembly



Chain Puller



Stand With 100mtr Dyneema Rope



100mtr Steel Safety Cable



Flight Transport Case

## Specifications

Input Voltage	24V
Power	2.2KW
Nominal Current	91A (Max)
Controller voltage	12V
Nominal Current	85mA
Tx/Rx Power	100mw
Load Capacity	10Kg/22lb
Maximum Speed	40km/h
Control Distance	100mtr
Target Distance	Yes
Auto Loop	Yes
Product size (L x W x H)	113cm x 20cm x 23.5cm

## Maintenance

### Bearing Maintenance

If after a period of time your bearings don't turn smoothly, lubricate with a minimum of light machine oil. Be sure to keep oil away from your camera, & clean up any over spill.

### Cleaning

Do not use solvents or harsh cleaners of any kind on your cable cam. If the unit becomes dirty, use a damp soft cloth or sponge and a mild detergent to gently clean external parts.



## Safety Hints

**ATTENTION: PLEASE READ THIS BEFORE USING TO PREVENT SERIOUS DAMAGE TO EQUIPMENT!**

### **NEVER APPLY FULL CONTROL WHEN NOT ATTACHED TO THE CABLE**

The drive wheel can rotate too fast when not under load and can cause damage to the PU coating in the drive wheel.

### **DO NOT SET UP THE CABLE SYSTEM ON WEAK OR UNSTABLE ANCHORS**

Any sagging of cable or movement of anchors will greatly affect the functionality of the system, and potentially threaten the well-being of equipment and crew. Keep watch of the sag and as it increases, re-tension the cable accordingly.

### **INSPECT THE CABLE PRIOR TO OPERATION**

Weather conditions will affect the amount of traction the drive pulley will have against the cable. If the cable has ice or snow on it, traction can be drastically reduced.

### **ALWAYS KEEP THE VOLTAGE TESTER ATTACHED WITH THE BATTERY**

The Voltage Buzzer beeps when voltage level reaches 18V from 24V. It indicates to recharge/replace the battery. If you work at lower voltage, it may affect the battery life.

**BE HIGHLY VIGILANT WHILE OPERATING SKY-WALKER**

The Cable Cam running at high speed takes around 5 meters of length for momentum to stop itself. Lack of attention can result in 'crashing' it into the end anchor points, causing substantial damage to equipment and harm to the crew.

**ALWAYS SELECT 'BALANCE CHARGING MODE' WHILE CHARGING BATTERY**

Charging the battery evenly, results in its superior performance.

**IT IS RECOMMENDED TO SHUTDOWN THE COMPLETE SYSTEM**

Always switch off the Remote Controller, Receiver Antenna and remember to remove the battery from Cable Cam system.

**NEVER UPDATE THE PROGRAMMING SYSTEM ON YOUR OWN**

If you wish to update the settings, contact us. Doing so on your own may make the system unworkable.

**NEVER CHARGE / DISCHARGE NON-PRESCRIBED BATTERIES**

Do NOT charge non-rechargeable or other-than-specified batteries! Damage WILL occur to the batteries or charger. Also, do NOT connect more than one battery pack at any one time.

**FOR DOUBLE ROPE**

Double check the strength of the pole/truss before attach of the cable cam with complete setup in order to ensure a safe and secure connection.

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

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

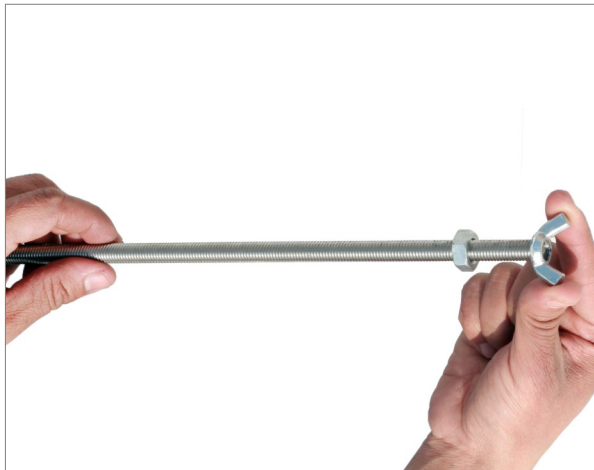


## ■ Assembling the Stand

- Loosen bolts and slide-out the ends of leg till fully opened. Then tighten the bolts again.



- Open Wing Nut from Threaded Rod, attach it with one side each of both the legs of Stand.



- Repeat same steps for the other side of legs, in order to assemble the stand.





- Insert threaded Rod Axle in Wire Spool Wheel.



- Then place it onto Rope Stand and tighten wing nuts on both the sides, for proper movement of rope.

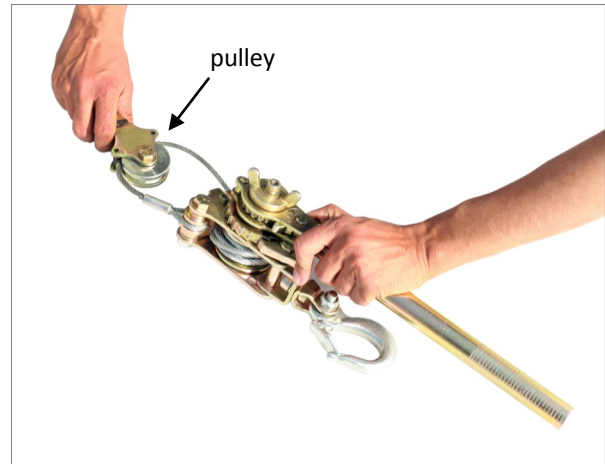
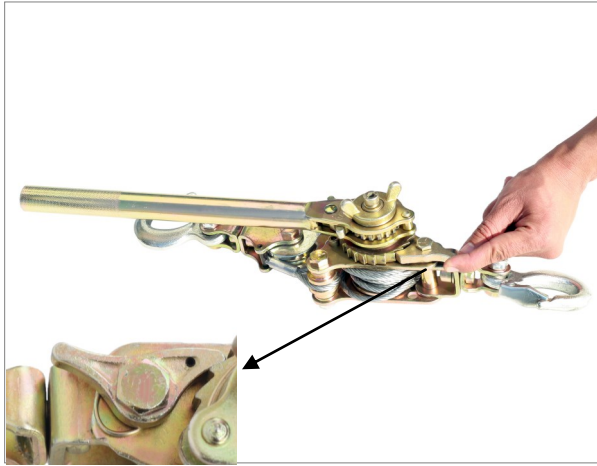


- Now you can pull the rope conveniently for using.



## Assembling the Chain Puller

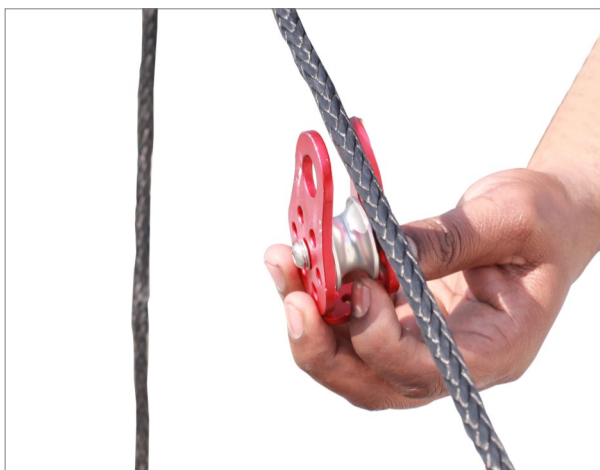
- Press lever to unlock Ratchet lock. Then pull out the metal rope along with pulley.



- Attach one end of the cable to an anchor. Then pull the chain puller to drag the rope.



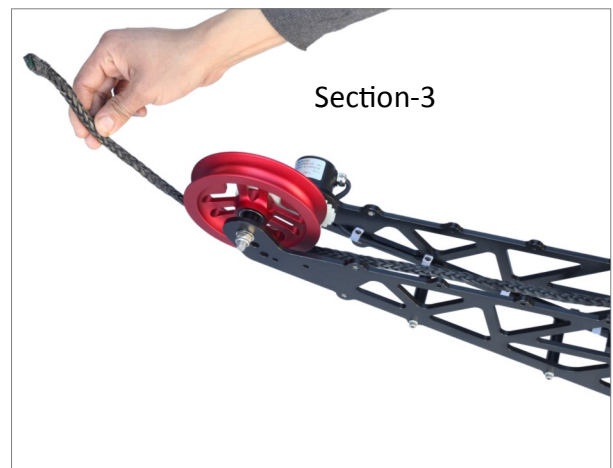
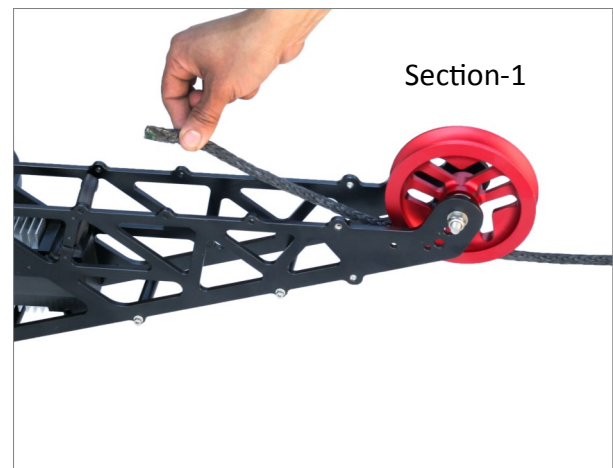
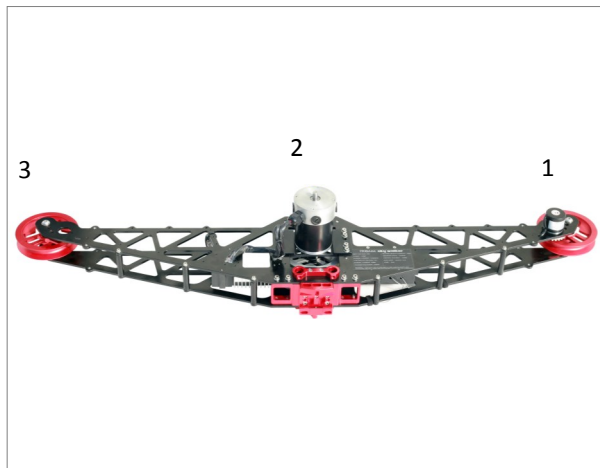
- Insert the rope into Pulley and attach Climbing Hook.



- Attach this pulley with Climbing Hook on the same anchor but slightly above Chain Pulley.



- Insert the rope into Cable Cam in sequence of 1, 2 and 3.



- Make a knot with rest of the rope. Fix Climbing Hook with it.

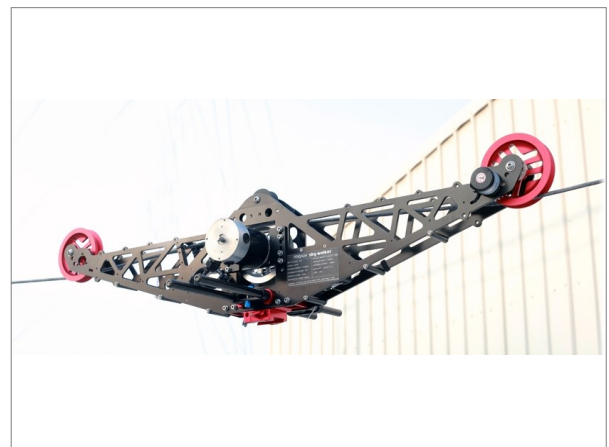


- Now attach this Climbing Hook at suitable location.



**NOTE:** The Main Drive Wheel and two Outer Wheels can be adjusted depending on the rope tension. Adjustment of the hooks will cause the rope to be pushed harder or less hard against the Main Drive Wheel. Since the Main Wheel relies on tension against the cable, it is important to adjust the hooks properly.

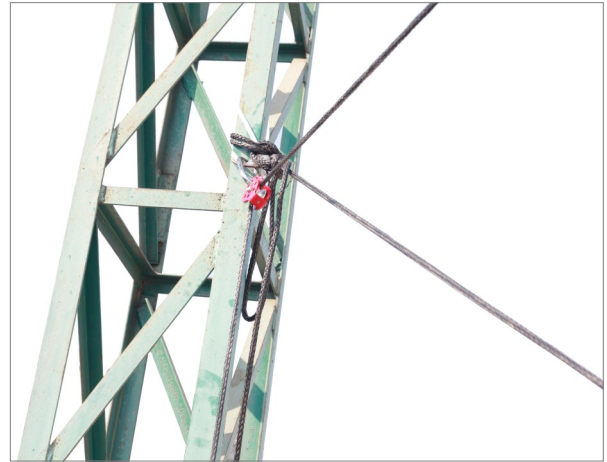
There is an adjustment in the mounting of Main Drive Wheel. You can shift its position depending on the rope tension.



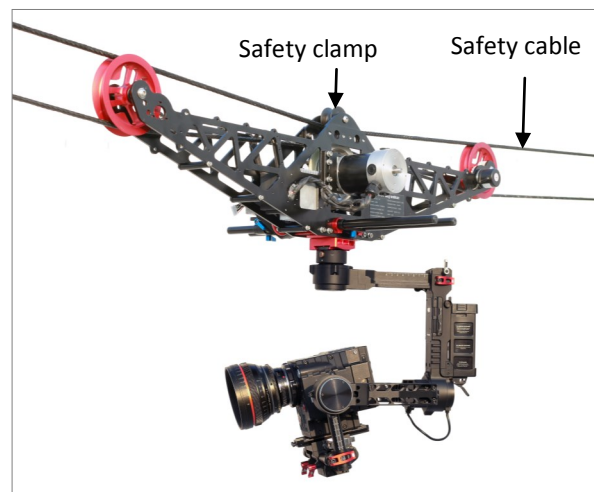
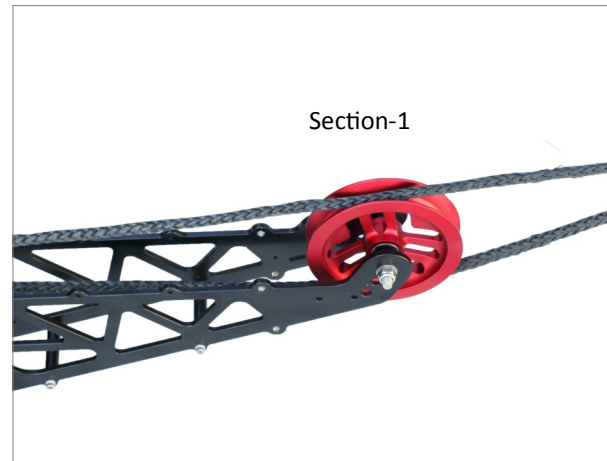
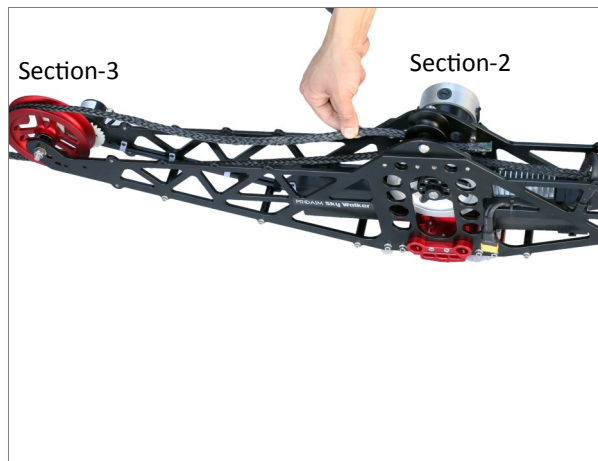


## Assembling for Double Safety of Cable Cam

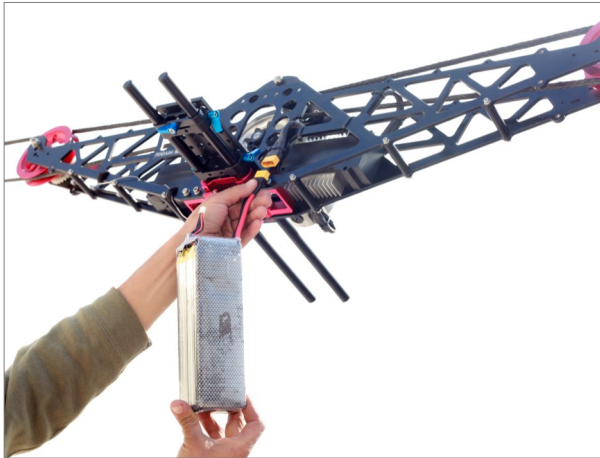
**NOTE:** Fix Climbing Hook with Safety Cable and attach it on either of the anchors.



- Insert Safety Cable into Cable Cam starting from the top of Section 3, taking it under Section 2 and crossing it from the top of Section 1. Then fix it onto the anchor on other side of shooting.

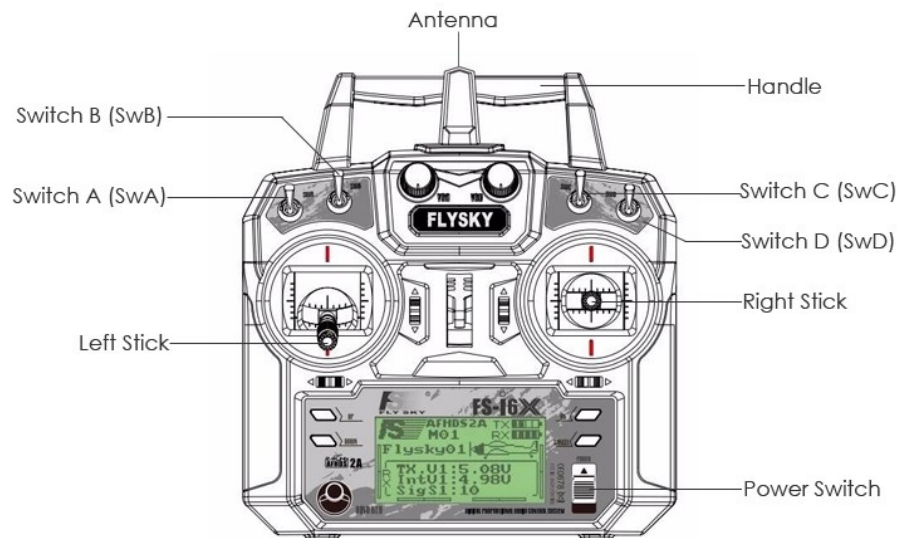


- Then affix your Battery (**NOT INCLUDED**) and connect it with Cable Cam.



## Wireless Remote Controller & Antenna

The radio control system controls movements of Cable Cam. The highly sophisticated radio transmission system works on 2.4 GHz powerful radio frequency band and transmits very clear signal to the receiver Antenna. The 2.4 GHz RF signal propagates in straight lines and can also get around objects on its path. The remote control system guarantees a long range, jamming-free transmission and long battery-life experience.



**Turn it On** - Turn ON the Power switch. The position of all throttle switches A, B, C, D; must be at #1 (while turning on the remote every time). The LCD screen of remote will display Tx On & Rx On when connected, and an error will be displayed if Rx is out of range.

**Left Stick** – It is used to give Direction & Speed to cable cam. Move the stick left/right to give direction and move it up/down for speed. When you start operating Cable cam - gradually accelerate the speed, to avoid damage to the cable.

**Right Stick** – It is used to Set Target Distance & Automatic Loop Modes.

**Target Distance** (Manual mode) – Set Start and Stop points anywhere on cable by point A (move stick downwards) & point B (move stick upwards). After entering the target distance, the remote locks on it and follows it perfectly. Give Direction & Speed with Left Stick, and operate it manually. Once you leave the stick at neutral position, it will stop right there.

**Automatic Loop Mode** – Select target distance by point A & B. Shift the throttle switch labelled SwC at position #3. Set the Speed with Left Stick and forget it! It will move and capture shots automatically for you.

## Workable Zone

The Normal Operating Zone of approx. 84mtr is recommended, which is marked with points A & B. The Cable Cam running at high speed takes around 5mtr of length for momentum to stop itself, which comes under Safety Zone. It is not recommended for your Cable Cam running at high speed to move within 3mtr of Danger Zone. While selecting target distance lock points; it is suggested to consider speed & precautions zones.





## **YOUR PROAIM SKY-WALKER PRO CINEMA CABLE CAM SYSTEM 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.

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