CINEGEARS SINGLE AXIS FOLLOW FOCUS MANUAL

Contents

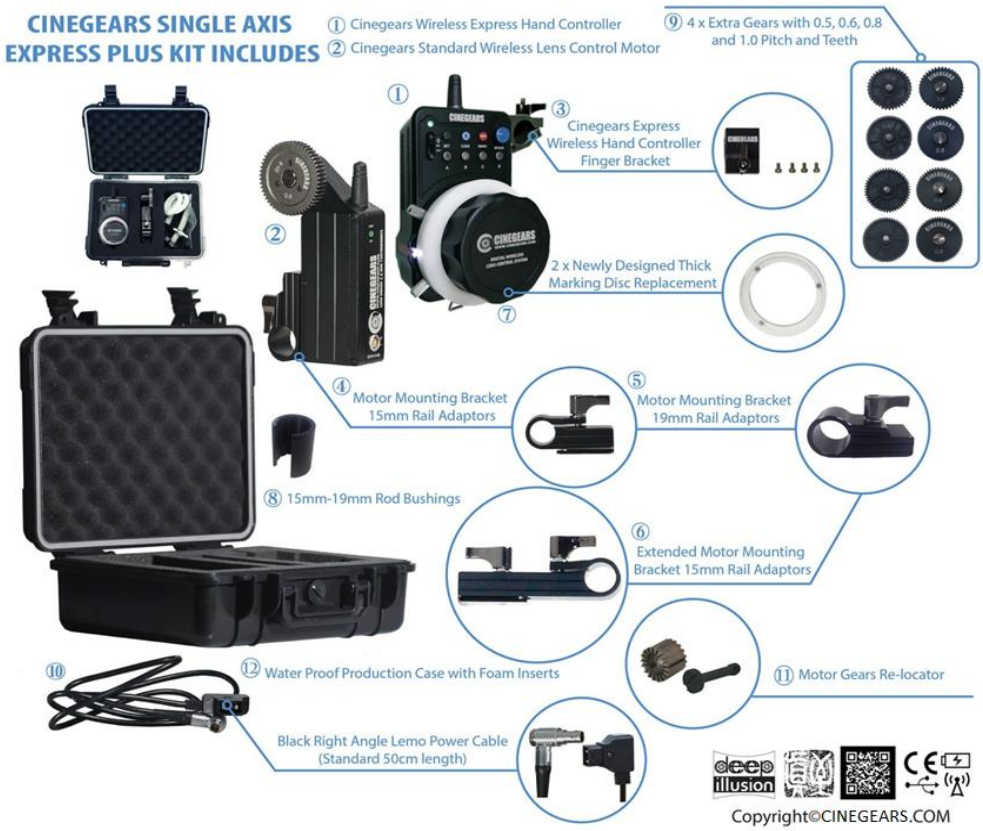
Introduction

The Cinegears Single Axis Lens Control System is a wireless lens control kit for driving one of your lens rings (i.e., focus, iris, or zoom). With feedback from users like you, we have upgraded all of our follow focus systems to the brand new Focus 2.0 module. The new module features increased power surge protection, lens-pull smoothness and speed prioritization, and hardware tweaks designed to improve the lifespan of your kit.

With our variety of controllers designed to fit the many unique on-set demands of modern film making, and our standard or extreme high-torque motors, we have a number of follow focus kits to choose from. All follow focus systems come with a Cinegears wireless hand controller; one of our full size controllers (Express or Express Plus, which features built-in hardstops), or one of our mini controllers (Fingerwheel or Rocker) which are ideal for gimbal or other high-mobility usage. All Cinegears controllers have a full complement of mounting ports on the sides of the units, allowing for quick and easy mounting solutions. Our ultra-quiet, high-torque, maximum safety lens control motors feature remote RED start/stop triggers, interchangeable mounting brackets, and swappable drive gears. Our gears are made of high quality, durable steel. The industrial-grade aluminum and steel alloy allows effortless control of heavier lenses without adding bulk to your camera rig.

With the modular design, and tool-less installation, the Cinegears Single Axis Lens Control System delivers precise lens control capability for any lens setup or configuration.

What Comes in a Standard Single Axis Lens Control Kit?

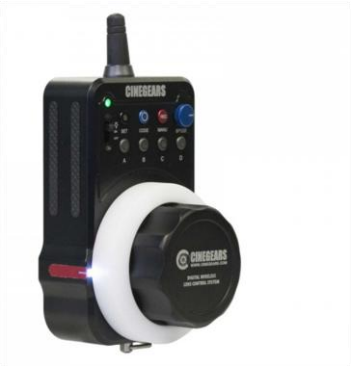


1. Express Plus Controller
2. Standard Wireless Lens Control Motor
3. Finger Bracket
4. 15mm Rail Mounting Bracket
5. 19mm Rail Mounting Bracket
6. 15mm Extended Rail Mounting Bracket
7. Magnetic Marking Disks
8. 19 to 15mm Rod Bushings
9. .5, .6, .8, and 1.0 Pitch Spare Gears
10. 50cm LEMO Power Cable
11. Motor Gear Relocator
12. Water-proof Production Case with Foam

Controllers

Express Controller

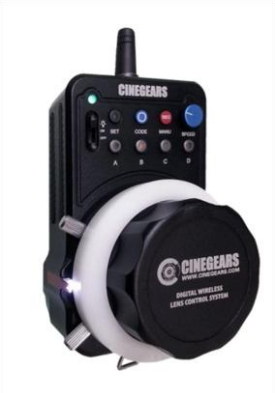
1-114



With our latest Wireless Express Hand Controller, you can deliver a reliable signal from up to 100 meters wirelessly. For jib, Steadicam, or MoVI shots, the Wireless Hand Controller allows focus pullers to stand farther away from camera without compromising precision. Set up to four focus presets with a single press of a button. Instead of using a follow focus with limited lens control and mobility, the Cinegears Wireless Hand Controller lets you control focus, iris, or zoom wirelessly – all from one device.

Express Plus Controller

1-115



With the addition of two built-in hard stops, controlling your lens focus, iris, or zoom comes naturally with our Cinegears Single Axis Wireless Express+ Controller.

Mini Fingerwheel Controller

1-301

Control your lens focus, iris, or zoom wirelessly with precision from up to 60 meters away for up to 8 continuous shooting hours per charge with a Cinegears Wireless Mini Controller. Garner more accurate results with a detachable larger focus wheel, and switch easily between 15 digital transition speeds and 2 focus presets. This controller's small size and remote REC (start/stop) trigger makes it perfect for solo operations, jib, steady cam, or dolly shots. Switch between speed and smoothness priority modes to control precisely how your motor works.

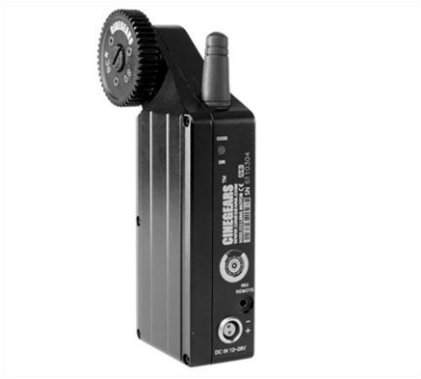
Mini Rocker Switch Controller

1-301

The Rocker is the smallest wireless solution for solo camera operations. With the same functionality as the Fingerwheel, the unit sports a RECORD trigger, a small LED screen, a rocker switch, and the ability to store up to two focus presets.

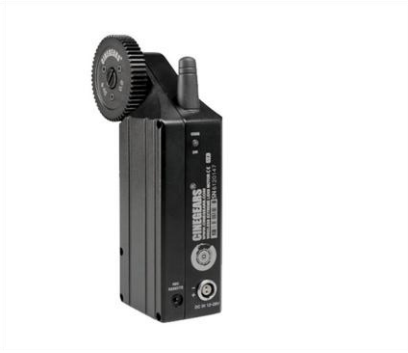
Single Axis Motors

Standard Wireless Motor **1-112**



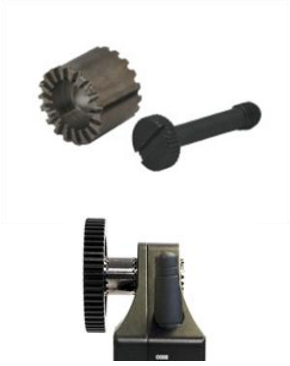
A lens control system is only as good as its motors, which is why Cinegears Lens Control Motors are held to strict performance benchmarks for noise, torque and design. They laterally lock onto 19mm and 15mm rail systems, avoiding the need to remove your matte box and other rail accessories. With a built in receiver, remote record, and interchangeable gear heads (m 0.4 to m 1.0), the Cinegears Wireless Lens Control Motor is ideal for just about any lens setup imaginable. For Focus 2.0, our motors have been upgraded with lighter 38mm gears for an increased gear to lens ratio, giving you more precise control of your lens. Focus 2.0 motor life is extended with upgraded power surge protection.

High Torque Wireless Motor **1-128**



Redesigned with your feedback in mind, it now has twice the torque, to move even the largest lenses, with ease. It still sports all the same features as its smaller brother, including: built-in receiver, Remote REC trigger for ARRI, SONY, and CANON cameras. The Japanese made digital servo motors are crafted in an aluminum alloy, and have removable gears and brackets. We've made it larger, stronger, and faster, but it's still delicate enough for smaller lenses as well.

Gear Re-Locator **1-233**



The Cinegears Gear Re-locator is designed so you can customize the gears' position for better lens control, adding on an extra 0.5 inches of space it provides you with plenty of room for your motor to sit on your camera rods.
Made from durable steel, longevity is never an issue.

Extra Thick Gear **1-123**

CINEGEARS T20 Extra Thick Motor Gear is triple the thickness of the standard gear, which provides more contact and traction and reduces slipping. It is made from the same durable aluminum alloy which is in stock now.

Single Axis Accessories

Standard Mounting Brackets **1-125**

The perfect companion to the CINEGEARS follow focus system, this durable bracket makes your installs easier. It has a conveniently placed steel slide which makes attaching it to the motor simple. This dependable bracket creates a fast and easy installation for you. The bracket has to be tough – that's why we made this one from ultra-durable material. You can rest assured that it will stand up to the chaos going on around it, and provide a secure place for the motor. Brackets for both 15mm and 19mm rails are available.

Extended Mounting Brackets **1-128**

This set of brackets is the 'Big Brother' to the standard motor bracket. With a longer side of 8cm that you can position with the motor to be suitable with any lens configuration. Just like it's 'little brother' it is made from ultra-durable material, and designed to fit easily onto any rig. Brackets for both 15mm and 19mm rails are available.

Finger Bracket **1-135**

Cinegears Express Wireless Hand Controller Finger Bracket is an all new accessory for the Single Axis Controller. It mounts easily to the side, either horizontally vertically. You can use a magic arm or mount it directly to your rig. Now you can control the action with nothing but your finger tip.

Gear Replacement Set **1-129**

Cinegears 38mm Variety Pitch Replacement Gears are included, with the radius side of 38mm (original is 45mm), which can provide you with even smoother movement for small lenses. It also can work with different lenses with variety pitches. The pitch size includes: 1.0, 0.8, 0.6 and 0.5.

Cinegears 4-Port D-Tap Female Cable Splitter with Advanced Surge Protection **1-189**

This Cinegears power solution cable splits 1 D-Tap Input into 4 Outputs at a 10 Amp Maximum Load with Unregulated Voltage and advanced surge protection will keep your electrical products running safely.

Two Pin Lemo Power Cable **1-161**

This Cinegears power solution cable splits 1 D-Tap Input into 4 Outputs at a 10 Amp Maximum Load with Unregulated Voltage and advanced surge protection will keep your electrical products running safely.

Waterproof Hard-Shell Carry Case **1-121**

The Single Axis Waterproof case with Foam Insert for One Channel Follow Focus provides protection from fall damage, with a hard and sturdy water impervious shell, the motors and items contained within can support great weight and survive hard falls. The foam inside fits all items snugly making them perfectly stationary while placed in the case.

Focus Ring for Express Plus Controller **1-123**

CINEGEARS Magnetic Marking Disc for Express Plus Controller compatible with dry erase markers for express controller. It is for marking your focus points on. The tri-magnets on the back of the ring perfectly attach to your Express Plus Knob.

Focus Ring for Express Controller **1-122**

CINEGEARS Magnetic Marking Disc for Express Controller compatible with dry erase markers for express controller. It is for marking your focus points on. It got magnet on the back of the ring to perfectly attach to your Express Knob.

Extra Large Focus Knob for Express Plus Controller **3-004**

CINEGEARS Extra Large Focus Knob for Express Plus Controller is the big diameter magnetic focus marking knob compatible with dry erase markers for express controller. It is uniquely designed with high-density plastic; provide you with perfect touch to your Express Plus focus knob.
It enlarges your focus knob and provides better focus control and is only compatible with the Express Plus Controller.

Extra Large Focus Knob for Express Controller **3-003**

The rings are made of a dry erase material, allowing for repeated usage and adjustment for the perfect shot every time. Our focus rings slip perfectly and securely over the dial of our wireless controllers, ensuring that you're always in focus.

Adjustable Rubber Focus Ring **1-401**

High Quality Professional Solid Rubber Lens Focus Ring:--Strong and durable design, flexible and customizable, perfectly fit for most lens size with its standard 0.8 Cinegears pitch.

Remote Recording Triggers

Single Axis Remote Record Trigger: Sony/Canon 1-219

CINEGEARS Single Axis Receiver Remote REC Trigger for Sony is the trigger cable (LANC) designed for SONY FS7, FS700, Black Magic Production Camera and Black Magic Production 4K Camera, Black Magic URSA, and Canon C100-C300. With built-in LED light indicates status of recording. This remote REC trigger is also specifically designed for CINEGEARS single axis Motor. It is a hard black anodized aluminum construction made with durable materials.

Single Axis Remote Record Trigger: RED Epic 1-151

CINEGEARS Single Axis REC Trigger for RED Epic is designed for RED Epic cinema cameras. Effortlessly trigger your REC button with the Cinegears Single Axis REC Trigger for RED Epic cameras; focus your mind, and hands, on other aspects of your shot. The trigger can be powered by D-Tab or USB cables, and can be used as a stand-alone REC trigger. This trigger works with any Cinegears Wireless Motors to add wireless remote REC start/stop control. Housed in sturdy aluminum alloy, durability won't be a concern.

Single Axis Remote Record Trigger for ARRI 1-118

The ARRI remote REC trigger cable for the CINEGEARS Single Axis Motor provides a durable connection between the motor and the ARRI Camera. This REC trigger cable provides a reliable signal from the motor and the camera, with almost immediate synchronization.

Fingerwheel Accessories

Focus Indicator Plate **2-103**

The Focus Indicator Plate is made by the CNC aluminum machine, bringing to the plate a high quality and durable nature. It can be used as a measurement tool for the controllers' finger wheel rotation.

Full Sized Focus Knob **2-103**

The hard anodized Full-size Focus Knob is made of a high quality plastic. It can be attached under the Fingerwheel Controller and easily makes it feel like a full-sized controller. It can be customized with different camera lens by making marks on the dry erase material and can help you to control your camera lens better.

Mini USB Cable **1-420**

This lightweight and powerful Mini USB Cable is perfect for swiftly charging your mini controllers with ease and speed. Just plug in and press down on the buttons to see the level of charge the controller is at.

CINEGEARS SINGLE AXIS FOLLOW FOCUS KIT – User Manual

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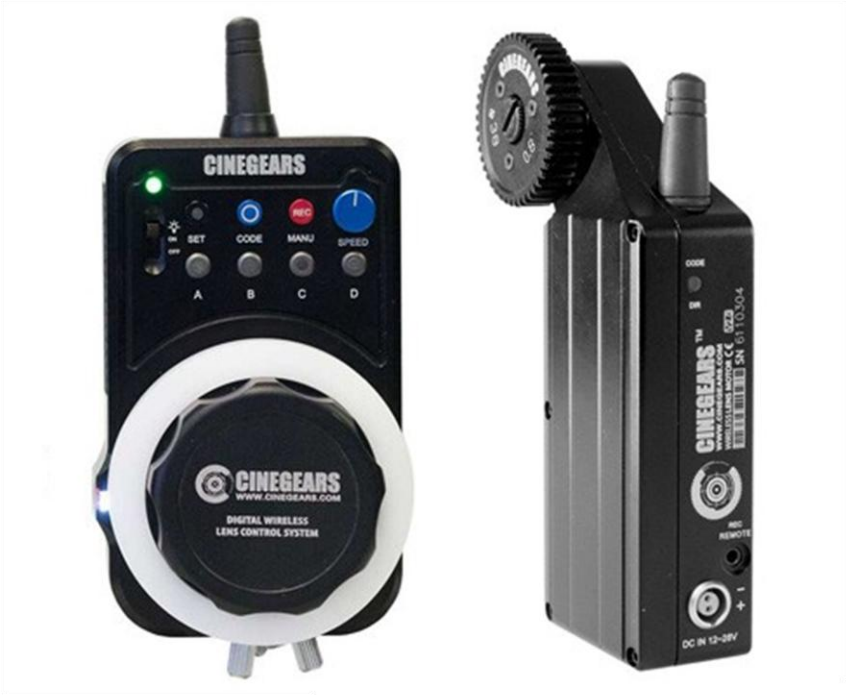

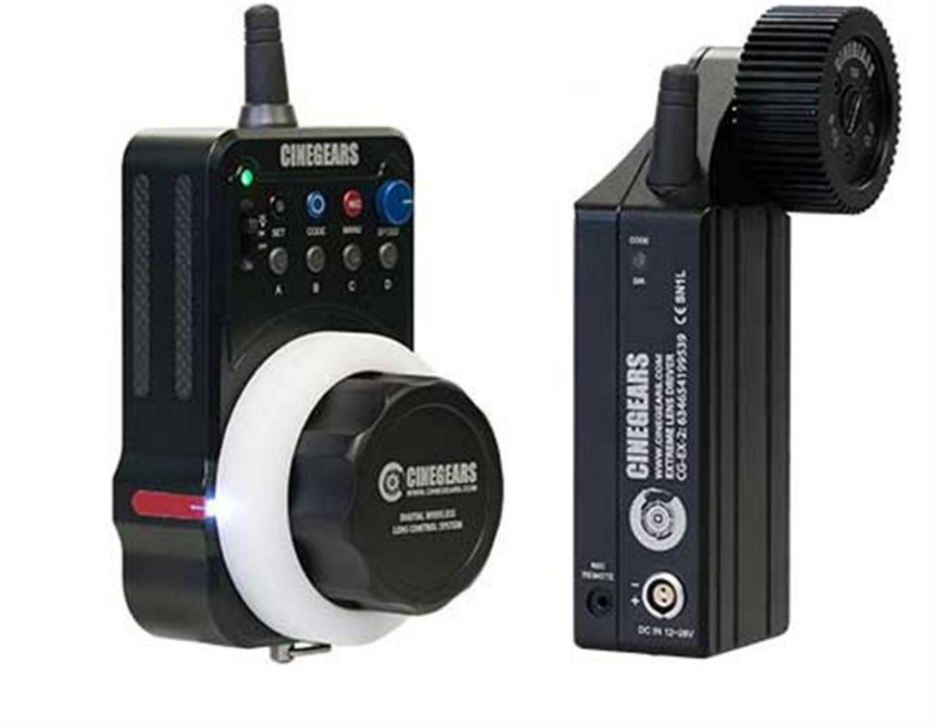

Instructions

Materials

The Follow Focus system is made from an aluminum alloy using the precision of CNC machining. The design also allows the drive gear to be installed on both sides of the lens, which makes it easier to have multiple drives. The product uses the latest technology from Japan, with an accurate and precise DC servo motor and the latest 32-bit high-speed control chips, these electronic and mechanical parts combine, perfectly, together to achieve excellent performance, smooth control, and precise positioning.

Input

The CINEGEARS Wireless Follow Focus has an input voltage range of +12V to 30V, there is also an automatic voltage regulator circuit inside the controller. The controller also comes with a single channel wireless remote REC trigger. The controller contains a lithium polymer battery that can work continuously for more than 20 hours on a full charge. Recharge the controller using a mini USB cord.

Controller

The controls have been designed for ease of use: They allow for preset memory points, where you can save up to four. The controller allows for, up to, three types of automatic synchronization (focus, zoom, and aperture). The controller has an adjustable speed which controls the transition speed of the presets. The controller has an accuracy circuit built into it to ensure the lens stop precisely where you want it to, even after repeated use. Physical error is less than ±0.5 mm and it is mainly caused by the gap between the teeth of the gear.

Motor Direction

Press the indicator light briefly on the rear of the drive to change the spin direction of the gear to change motor spin direction.

Gears and Rods

The motor comes with a standard gear (teeth mold of 0.8, length of 314mm, width of 10mm or 13mm). It can be applied to various types of lenses. We also offer other standard diameters, from 39 to 45mm, modulus of 0.5, 0.6, 0.8 and 1.0 of the drive gear to fit all lenses.

Size

Motor Dimensions: 133 mm (height) x 72 mm (width) x 28 mm (depth) and weighs ~ 380 grams.
Remote Control Dimensions: 115 mm (length) x 68 mm (width) x 32 mm (depth) and weighs ~ 40^0 grams.

Synchronization

Turn on the remote control power switch and plug in the motor. Once both are on press the Code button on the motor for three seconds until the indicator light will turn green. Then within 10 seconds, hold the SET and CODE button on the controller at the same time for 3 seconds, the motor light will blink, and the gear will shudder. This means that the controller and motor have been successfully synchronized. (Note: This process is usually done before leaving the factory.)

Automatic Remapping

1) Before installing the drive onto the lens, please make sure the wireless remote controller and motor are powered on and connected. DO NOT turn the wireless remote control dial, put the drive gear close to the lens ring and tighten the screws.

2) The controller can automatically locate the start and end points of any lens. To calibrate your lens, hold the (SET) and (A) button on the remote controller for 3 seconds. The whole process can usually be completed within about 20 seconds. If the drive gear wasn't installed close enough to the lens swivels during the automatic calibration, or the swivel lens does not have a start or end point, please refer to the semi-automatic calibration.

Automatic Lens Calibration

Hold (SET) and (A) buttons for 3 seconds, the motor will automatically find the start and end points of the lens swivels.

Set Up Presets

Go to the focus point of your choosing, press and hold (A) button until it flashes, your point is now set. Repeat with (B) (C) and (D) for multiple points. Press the same preset button to exit the preset mode.

Changing the Motor Speed between Preset Points

Rotate speed knob on the controller to adjust the motor speed.

Switching from Speed Response Mode to Smooth Response Mode

On the controller, press (CODE) + (REC) + (A) (B) (C) or (D) at the same time will switch the motor to response speed 1 2 3 or 4 mode. Lower numbers are speed-priority and higher are smoothness-priority.

Change Motor Spin Direction

Press the CODE button on the side of the motor to reverse the direction of the gear.

Remote Record Triggers

Press (REC) on your controller to toggle Recording mode ON or OFF

Recalibrating your Controller

Rotate the focus ring clockwise to the end; hold (SET) + CODE + (REC) buttons together for 3 seconds. Rotate to the opposite end and press the three buttons again.

Manual Calibration

Specifically used with infinity lenses that have no start or end point. Press the SET and REC button on the wireless controller together for 3 seconds, and you will see the A, B, C, D lights turn on. Then use the (C) button or (D) button to control the .motor (Hold down the C or D key for more than 3 seconds it will automatically rotate clockwise or counter clockwise.) Once it rotates to the proper position, click the (A) button as a starting point, the gear will spin the opposite direction. Then when you find the desired end point press the (B) button. Finally the (A, B, C, D) four buttons lights turn off to indicate the calibration has been completed. After the lens calibration, the swivel will automatically shorten the distance for a slight amount to avoid the noise of the motor stopping.

Blackouts

The controller and motor are able to store data in case of a sudden power loss or battery replacement. The data from your shoot/lens calibration is saved and the operation can continue once the power is turned back on. If the drive or Lens has been dismantled or replaced, or the corresponding position of gears has been changed you will need to repeat the calibration.

Buttons and Lights

When blue (SET) and (COM) lights flash regularly at 3 times / sec, indicates that it is communicating properly.

- The (SET) light stays dark when connection failed due to long distance, signal break or initialization failure.
- SET＋A (click for 3 sec) automatic calibration
- SET+ O (click for 3 sec) push to synch controller to motor
- REC (single click) record ／ pause
- SET＋REC (click for 3 sec) manual calibration
- A,B,C,D (single click) move to the pre set focus point
- A, B, C, D, click for 3 sec, press and hold any one of them to set your focus point. The lights on all four buttons will flash to indicate the preset has been saved.
- Once the preset has been set, push any of the lettered buttons. The indicator lights for A, B, C, or D will turn on, it means their positions are being used, push another lettered button to move to that point or push the one that is already lit up to return to manual mode.
- If the (COM) light on the motor is not on, it indicates that the controller is out of the range or there is no power.
- The (COM) button on the motor is also used as an indicator. Pushing the button for 3 sec will turn the blue light to green to signal you to connect to the controller. During normal operation, a single push of the C-Code button can change the direction of the gear. The color of the light will change with the direction of the gear.

CINEGEARS MINI FINGERWHEEL CONTROLLER – User Manual

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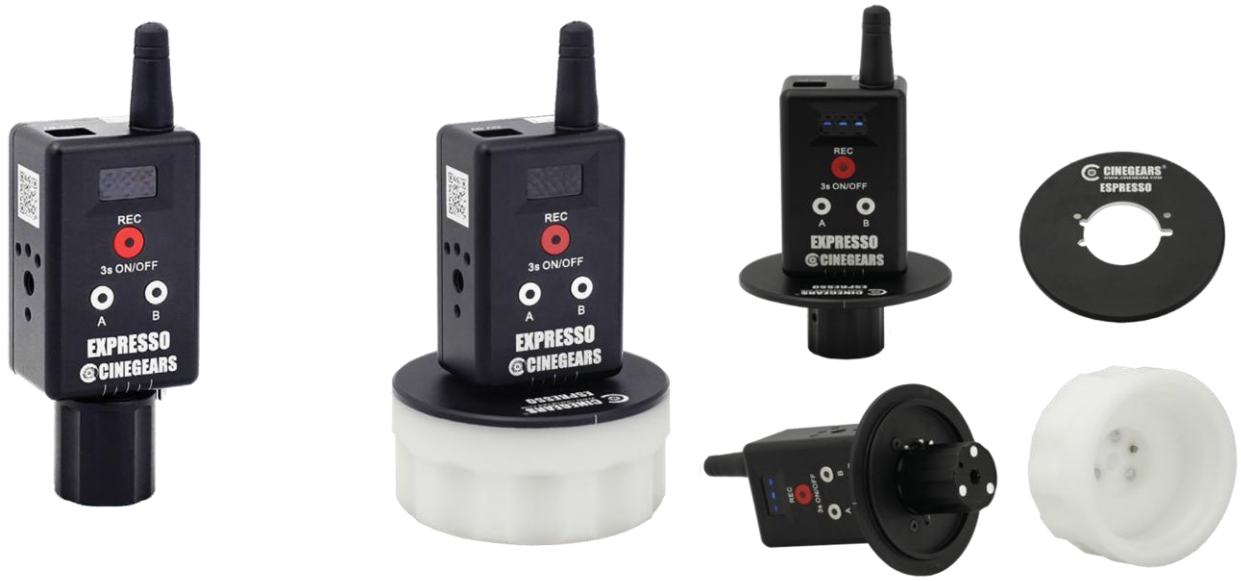

About the Fingerwheel Controller

Introduction

- Small, Light, Durable Finger Wheel Controller
- Full Size Wheel available
- LED screen to show focus depth
- Set up to two focus presets
- Comes with Remote REC trigger built in
- 60 Metre Wireless Control Range
- Mountable Side Bracket
- Adjustable Finger Wheel
- USB charger, 8 hour Internal Battery life
- Sleek & Compact Design
- Length – 11.5cm
- Width – 4cm
- Height – 2.7cm
- Weight – 162g
- Materials – Aluminium Alloy

The Espresso is the smallest wireless solution for solo camera options. The unit sports an REC trigger, a small LED screen, a focus wheel, and the ability to store up to two focus presets. With our latest Wireless Espresso Finger Wheel Controller, you can deliver a signal from up to 60 meters wirelessly. For jib, Steadicam, or MoVI shots, the Wireless Espresso Controller allows focus pullers to stand farther away from camera without compromising precision. Set up to two focus presets with a single press of a button, same as the integrated record button. Instead of using a follow focus with limited lens control and mobility the Cinegears Wireless Espresso Controller let you control focus, iris, or zoom wirelessly – all from one device.

Instructions

Turn On/Off the Fingerwheel Controller

Hold the (REC) button for **three seconds** to turn the Fingerwheel Controller On/Off. Hold the (REC) button on your Fingerwheel controller for three seconds to turn it on. When your Fingerwheel Controller is on, hold the (REC) button for three seconds to turn it off. The number that shows up on your Fingerwheel controller when you turn it on will show the Fingerwheel controller's battery percentage.

Synchronize the Fingerwheel Controller

Hold the button on the motor for three seconds then hold all three buttons on the Fingerwheel switch controller for three seconds. Hold the button on your motor for three seconds, when it changes from flashing blue to green, press and hold all three buttons, (REC), (A) and (B) on your Fingerwheel controller for three seconds. In this way, it synchronizes both the Fingerwheel controller and motor together.

Automatic Lens Calibration

Hold the (REC) and (A) button for three seconds. After your Fingerwheel controller and motor are synchronized, press and hold (REC) and (A) button on your Fingerwheel controller at the same time for three seconds, this activates the automatic lens calibration. This option is for the camera lens that has the hard stops. For the camera lens that does not have the hard stops, read the following manual lens calibration below.

Manual Lens Calibration

Hold the (REC) and (B) button for three seconds. Press the (A) button to rotate the lens clockwise, and then press the (A) button again to stop the rotation and press the (REC) button to set the start point. Press the (B) button to rotate counter clockwise and press the (B) button again to stop the rotation, and then press the (REC) button to choose the end point. After your Fingerwheel controller and motor are synchronized, press and hold the (REC) and the (B) button on your Fingerwheel Controller at the same time for three seconds until S-1 flashes.
Then press and hold the (A) button for three seconds until the gear rotates. When your camera lens reaches the minimum focus distance, press on the (A) button again which makes the gear stop rotating. Then press the (REC) button to set your camera minimum focus distance point. After you set the minimum focus distance point, S-2 should be flashing. Then press and hold the (B) button for three seconds, the gear will then rotate to the opposite direction. When it reaches your camera's maximum focus distance point, you have to press the (B) button again to stop the rotation of the gear. Then press the (REC) button to set the camera's maximum focus distance. Remember, you can always press on the (A) button or the (B) button for the micro adjustments when it passes the camera's focus distance.

Setting up Two Preset Points

Push the switch, press and hold (A) and (B) button for three seconds Push the Fingerwheel switch on your Fingerwheel controller to a lens focus distance point, then press and hold the (A) button for three seconds to record that point. Then move on to the next lens focus distance point, press and hold the (B) button for three seconds to record your second lens focus distance point.

Setting up a Preset

Hold the (A) and (B) button for three seconds to get the accessibility to the espresso function manual. F01 is the motor rotating speed option. F03 is the manual lens calibration option. F05 is the recalibrating focus controller option. When you press and hold the (A) and (B) button on your Fingerwheel controller for three seconds, this gives you the accessibility to your espresso controller's function manual. To enter each function you can just simply press the (REC) button. The F01 Function is the speed control which makes the gear rotate at a different range of speeds. Press on the (A) button or (B) button to change the number, the larger the number goes, the faster the gear rotates. After you choose a speed number, press the (REC) button again to let your Fingerwheel controller to record that number.

Recalibrating the Focus Controller

After you get to your Fingerwheel controller function manual, go to the F05 function. Push your Fingerwheel switch to the beginning point then press the (REC) button. Push your Fingerwheel switch again to a distance that you want then press the (REC) button again. First, go to your Fingerwheel function manual by pressing and holding the (A) and (B) button for three seconds at the same time. Then, go to the F05 function by pressing the (B) button for four times and press the (REC) button to enter that function. Push your Fingerwheel switch to beginning point and hold the (REC) button to record that rotation angle. Then push the switch again to your designated rotation angle, and hold the (REC) button again to record your second rotation angle. This sets up your full camera lens traveling distance to the angle you have set. In other words, the rotating distances of your camera lens will length while the distance of the controller will shorten.

Manual Function Controls

To access the function menu, hold down the A and B buttons for 3 seconds. You can navigate between functions with the A (Back) and B (Forward) buttons. Select function to adjust with REC button. Some functions are adjusted with the A (Reduce) and B (Increase) buttons, while others are adjusted with the Fingerwheel Switch itself.

- **F01** – Speed Adjustment setting. Choose from 1 -15 using the A and B buttons, 1 being the slowest speed and 15 being the fastest.

- **F02** – Automatic Motor Calibration. Yields the same result as holding down REC, A and B for 3 seconds.

- **F03** – Manual lens Calibration. Allows you to manually set the maximum and minimum motor positions.

- **F04** – EXIT. This function exits the menu without any changes.

- **F05** – Manual Range. This will allow you to set the effective range of your Fingerwheel Switch.

- **F06** – Reverse Spin Direction. Determines which way the motor will spin, it yields the same result as the button on the motor itself.

- **F07** – Flip the LED display. This function flips the LED display upside-down, for those who prefer to use the Fingerwheel Switch in different ways.

- **F08** - Speed vs. Smoothness Priority Mode. There are two options to switch effortlessly between. Option 1 is your Fast Priority Mode and Option 2 is your Smooth Priority Mode.

CINEGEARS MINI ROCKER CONTROLLER – User Manual

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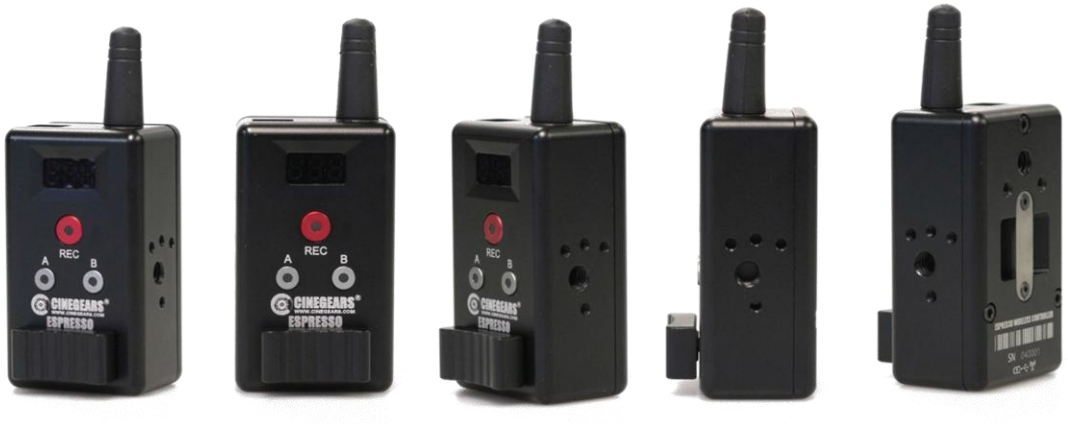


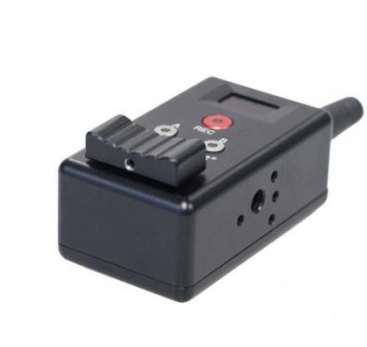
About the Rocker Controller

Introduction

Control your lens focus, iris, or zoom wirelessly with precision from up to 60 meters away for up to 8 continuous shooting hours per charge with a Cinegears Wireless Mini Rocker Controller. Feel the focus with a precision rocker switch, and switch easily between 15 digital transition speeds and 2 focus presets. This controller's small size and remote REC (start/stop) trigger makes it perfect for solo operations, jib, steady cam, or dolly shots.

- Small, Light, Rocker Switch
- LED Screen to show focus depth
- Set up to two focus presets
- Remote Recording Trigger
- 60 Meter Wireless Control Range
- Mountable Side Bracket
- USB Charger, 8 Hour Internal Battery
- Sleek & Compact Design
- Length – 9cm
- Width – 4cm
- Height – 2.7cm
- Weight – 150g
- Materials – Aluminum Alloy

With our latest Wireless Mini Rocker Switch Controller, you can deliver a signal from up to 60 meters wirelessly. For jib, Steadicam, or MoVI shots, the Wireless Rocker Controller allows focus pullers to stand farther away from camera without compromising precision. Set up to two focus presets with a single press of a button, same as the integrated record button. Instead of using a follow focus with limited lens control and mobility the Cinegears Wireless Espresso Controller let you control focus, iris, or zoom wirelessly – all from one device.



Instructions

Turn On/Off the Rocker Controller

Hold the (REC) button for **three seconds** to turn the Rocker Controller On/Off. Hold the (REC) button on your rocker controller for three seconds to turn it on. When your Rocker Controller is on, hold the (REC) button for three seconds to turn it off. The number that shows up on your rocker controller when you turn it on will show the rocker controller's battery percentage.

Synchronize the Rocker Controller

Hold the button on the motor for three seconds then hold all three buttons on the rocker switch controller for three seconds. Hold the button on your motor for three seconds, when it changes from flashing blue to green, press and hold all three buttons, (REC), (A) and (B) on your rocker controller for three seconds. In this way, it synchronizes both the rocker controller and motor together.

Automatic Lens Calibration

Hold the (REC) and (A) button for three seconds. After your rocker controller and motor are synchronized, press and hold (REC) and (A) button on your rocker controller at the same time for three seconds, this activates the automatic lens calibration. This option is for the camera lens that has the hard stops. For the camera lens that does not have the hard stops, read the following manual lens calibration below.

Recalibrating the Focus Controller

After you get to your rocker controller function manual, go to the F05 function. Push your rocker switch to the beginning point then press the (REC) button. Push your rocker switch again to a distance that you want then press the (REC) button again. First, go to your rocker function manual by pressing and holding the (A) and (B) button for three seconds at the same time. Then, go to the F05 function by pressing the (B) button for four times and press the (REC) button to enter that function. Push your rocker switch to beginning point and hold the (REC) button to record that rotation angle. Then push the switch again to your designated rotation angle, and hold the (REC) button again to record your second rotation angle. This sets up your full camera lens traveling distance to the angle you have set. In other words, the rotating distances of your camera lens will length while the distance of the controller will shorten.

Manual Lens Calibration

Hold the (REC) and (B) button for three seconds. Press the (A) button to rotate the lens clockwise, and then press the (A) button again to stop the rotation and press the (REC) button to set the start point. Press the (B) button to rotate counter clockwise and press the (B) button again to stop the rotation, and then press the (REC) button to choose the end point. After your rocker controller and motor are synchronized, press and hold the (REC) and the (B) button on your Rocker Controller at the same time for three seconds until S-1 flashes. Then press and hold the (A) button for three seconds until the gear rotates. When your camera lens reaches the minimum focus distance, press on the (A) button again which makes the gear stop rotating. Then press the (REC) button to set your camera minimum focus distance point. After you set the minimum focus distance point, S-2 should be flashing. Then press and hold the (B) button for three seconds, the gear will then rotate to the opposite direction. When it reaches your camera's maximum focus distance point, you have to press the (B) button again to stop the rotation of the gear. Then press the (REC) button to set the camera's maximum focus distance. Remember, you can always press on the (A) button or the (B) button for the micro adjustments when it passes the camera's focus distance.

Setting up Two Preset Points

Push the switch, press and hold (A) and (B) button for three seconds Push the rocker switch on your rocker controller to a lens focus distance point, then press and hold the (A) button for three seconds to record that point. Then move on to the next lens focus distance point, press and hold the (B) button for three seconds to record your second lens focus distance point.

Setting up a Preset

Hold the (A) and (B) button for three seconds to get the accessibility to the espresso function manual. F01 is the motor rotating speed option. F03 is the manual lens calibration option. F05 is the recalibrating focus controller option. When you press and hold the (A) and (B) button on your rocker controller for three seconds, this gives you the accessibility to your espresso controller's function manual. To enter each function you can just simply press the (REC) button. The F01 Function is the speed control which makes the gear rotate at a different range of speeds. Press on the (A) button or (B) button to change the number, the larger the number, the faster the gear rotates. After you choose a speed number, press the (REC) button again to let your rocker controller to record that number.

Manual Function Control

To access the function menu, hold down the A and B buttons for 3 seconds. You can navigate between functions with the A (Back) and B (Forward) buttons. Select function to adjust with REC button. Some functions are adjusted with the A (Reduce) and B (Increase) buttons, while others are adjusted with the Rocker Switch itself.

- **F01** – Speed Adjustment setting. Choose from 1 -15 using the A and B buttons, 1 being the slowest speed and 15 being the fastest.

- **F02** – Automatic Motor Calibration. Yields the same result as holding down REC, A and B for 3 seconds.

- **F03** – Manual lens Calibration. Allows you to manually set the maximum and minimum motor positions.

- **F04** – EXIT. This function exits the menu without any changes.

- **F05** – Manual Range. This will allow you to set the effective range of your Rocker Switch.

- **F06** – Reverse Spin Direction. Determines which way the motor will spin, it yields the same result as the button on the motor itself.

- **F07** – Flip the LED display. This function flips the LED display upside-down, for those who prefer to use the Rocker Switch in different ways.

- **F08** - Speed vs. Smoothness Priority Mode. There are two options to switch effortlessly between. Option 1 is your Fast Priority Mode and Option 2 is your Smooth Priority Mode.

Disclaimers

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About Cine Gears Inc.

Cinegears is an industry leading company that designs and manufactures digital wireless follow focus systems, lens control systems, camera motion control systems and accessories for film and broadcast industry. As a big believer in the power of creativity and ideas, we designed the wireless motor drive that integrated a built in wireless transmitter, and the wireless finger wheel controller. The Cinegears wireless lens control system has the international CE certification on all its equipment.
CINEGEARS lens control system can achieve the finest minutia of focus pulling, with extreme accuracy and control. It provides smooth focus control for shooting 4k footage at an affordable price. We have been doing this for three years and our equipment has been used on hundreds of movies. Filmmakers of all experience levels will benefit greatly from a simple, professional, and well rounded follow focus system. The Single Axis and Multi Axis models provide greater ease, with less crew, and less wires. You can achieve professional film quality scenes on a shoestring budget. Camera operators, assistant camera operators, and jib operators can use the wireless follow focus to attain that perfect shot.

Customer Support

If you encounter any issues with any of our products please contact us directly on the via the details provided below. DO NOT CONTACT THE RETAIL STORE.

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