



CINEGEARS MULTI AXIS FOLLOW FOCUS KIT V3

MANUAL BOOK



■ Statement of Conditions

In the interest of improving internal design, operational function, and/or reliability, Cine Gears Inc. reserves the right to make changes to the products described in this document without notice.

Cine Gears Inc. does not assume any liability that may occur due to the use or application of the product(s) or circuit layout(s) described herein.

■ FCC Compliance Notice: Radio Frequency Notice

The device has met the FCC 15.247 requirement. In order to comply with the FCC RF exposure requirement, the user must keep 20cm away from the antenna.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

■ Information to the user

The user's manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. In cases where the manual is provided only in a form other than paper, such as on a computer disk or over the Internet, the information required by this section may be included in the manual in that alternative form, provided the user can reasonably be expected to have the capability to access information in that form.

Instructions

Materials

The Follow Focus system is made from an aluminum alloy using precision CNC machining. The design allows the drive gear to be installed on both sides of the lens, enabling multiple drives. The product uses an accurate and precise DC servo motor and 32-bit high-speed control chips. It has an input voltage range of +12V to 30V, with an automatic voltage regulator circuit inside the controller.

Synchronization

Turn on the remote control power switch and plug in the motor. Once both are on, press SETCODE on the receiver. Hold SET and POWER on the controller for 3 seconds until "SETCODE" screen on the receiver disappears. Units are now synchronized.

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.

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 FOCUS, ZOOM, or IRIS on the receiver. User can change motor spin direction or offset. Press OK to confirm.

Instructions

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 Lens Remapping

REC + B (Hold for 3 Seconds) automatic initialization of Focus only

REC + C (Hold for 3 Seconds) automatic initialization of Zoom only

REC + D (Hold for 3 Seconds) automatic initialization of Aperture only

Press and hold (C) to rotate the lens clockwise, then press (A) to choose the start point.

Press and hold (D) to rotate counter clockwise, then press (B) to choose the end point you want.

Manual Calibration

Specifically used with infinity lenses that have no start or end point. Now you need to do the calibration for focus, zoom and iris separately. First, Press the CODE and their corresponding buttons on the remote controller together for 3 seconds, (B for focus, C for zoom and D for Aperture). Then you will see A, B, C, D four lights are turned on. Then use (C) button or (D) button to control the lens. (Hold down the C or D key for more than 3 seconds it will automatically rotate continuously.) Once it rotates to the proper position, click the (A) button to set a starting point, (B) button to set the end point. At last, (A, B, C, and D) four buttons lights turn off to indicate the initialization has been completed.

Semi-automatic Calibration

You need to initial the focus manually, then initial the other two via a mixed mode. After the initialization of lens, the swivel will automatically shorten the distance for a slight amount to avoid the noise of crashing. The backlight flashes during the setting. The products are able to store the data in the course of sudden power lost and replacement of battery, you can still have the original data memorized and continue the operation once turn the power on. If the drive or Lens has been dismantled or replaced, or the corresponding position of gears has been changed, you need to repeat the initialization. (The data will still be valid when automatic initialization was chosen or having the same type of lens.)

Buttons and Lights

- SET+CODE (hold for 3 sec) parameters
- SET+A (hold for 3 sec) ALL (focus, zoom and aperture) automatic initialization
- SET+B (hold for 3 sec) automatic initialization of focus
- SET+C (hold for 3 sec) automatic initialization of zoom
- SET+D (hold for 3 sec) automatic initialization of aperture
- REC+B (hold for 3 sec) manual initialization of focus
- REC+C (hold for 3 sec) manual initialization of zoom
- REC+D (hold for 3 sec) manual initialization of aperture
- During the manual initialization process, make sure A, B, C and D lights are on, use (C) or (D) button to rotate the gear to the position you want then use (A) and (B).

■ FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

Cautions

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

■ Terms and Conditions

Congratulations on purchasing your new CINEGEARS product. Please read this manual carefully before using the product. By using this product, you hereby agree to this disclaimer and signify that you have read it in full. You agree that you are responsible for your own conduct and any content created while using CINEGEARS products, and for any consequence thereof. You agree to use this product only for purposes that are proper and in accordance with local regulations, terms and any applicable polices and guidelines.

By reading this disclaimer, you also agree:

1. Any part of this disclaimer is subject to change without prior notice. Refer to WWW.CINEGEARS.COM for the latest version.

2. CINEGEARS reserves the right of final interpretation of this disclaimer.

CINEGEARS and the Follow Focus Kit are registered trademarks of Littlecent International Trading Corp. as names of product, brand, etc., appearing in this manual are trademarks or registered trademarks of their respective owner companies. This product and manual are copyrighted by CINEGEARS with all rights reserved. No part of this product or manual shall be reproduced in any form without the prior written consent or authorization of CINEGEARS.