

Your Feedback is Important to us.

Thank you for purchasing the R/C Camera Controller. This setup guide should be all that is needed to get you up and running. However, if you need any additional help, please contact us with your questions and/or comments.

Please send us your feedback regarding your experience with the Cam Controller. Also, please help us to expand our list of tested receivers and cameras by telling us what equipment you are using.



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R/C Camera Controller AI-LANC-051 Rev 1 Operating Instructions



Overview

Included with the R/C Camera Controller are the controller board, camera cable, and 3 controller-to-receiver cables.

With the 3 supplied cables, most will use shutter, power, and zoom. If more of the available functions are desired, additional cables will be required. Additional cables can be purchased at www.aerialinnovations.net. The camera controller will work with still Sony and Canon cameras that have the 2.5mm audio style port usually know as the ACC port. It will also work with most Sony, Canon, and some JVC camcorders that have the same style port usually known as the LANC port.

Features that work with the Sony F828 and R1 include:

- Power On/Off
- Shutter Release

Each feature requires 1 channel. Shutter Release is the only feature that will work with the Canon Rebel.

By default, the unit ships with dip switch settings that provide for a medium speed. Dip switches 1, 2, and 3 can be changed to set an alternate zoom speed if desired. Dip switch 5 is used to set the controller to operate in Sony or Canon still camera mode. The system ships with the dip switch set to Sony mode. Dip switch 4 is not used.

SPEED	DIP 1	DIP 2	DIP 3
1(slow)	OFF	OFF	OFF
2	ON	OFF	OFF
3	OFF	ON	OFF
4	ON	ON	OFF
5	OFF	OFF	ON
6	ON	OFF	ON
7	OFF	ON	ON
8(fast)	ON	ON	ON

To place the controller into camcorder mode, simply place the included jumper on the mode pins. Features that work in Camcorder mode include:

- Power On/Off
- Focus Manual/Auto Toggle
- Focus Near/Far
- Zoom in/Zoom out
- Record Start/Stop

Each Feature requires 1 channel. The controller has been tested with Futaba PCM and PPM radios as well as a JR PPM radio.

Setup

1. Connect all receiver/controller cables. Ensure the cable is installed in the correct orientation with the yellow wire of the pins marked with the "S". It is important to make sure that the receiver you are using has the same pin layout as the camera controller. If not, modify the cables to fit the R/C Camera Controller, or contact us and we can provide you with them. Futaba, Hitec, and JR should work with our cables. Airtronics requires a different cable since their pin arrangement is different.
2. To place the controller into video camera mode, place the provided jumper of the "Mode" pins. To place the camera in still camera

mode, remove the jumper.

3. Connect the Camera Cable to the controller. Ensure the yellow wire is oriented to the "S" pin.
4. Connect the battery (5 volt nominal) to your receiver. Ensure battery is fully charged
5. Test each channel. Reverse channel directions if necessary.
6. Ensure that no throttle curves are set if using the throttle channel.
7. If any channels do not work, or are intermittent, repeatedly adjust trims and retry.
8. Always ensure that sticks are returned to center before actuating another channel.

If using a Canon still camera, only connect the shutter channel. Do not connect any other channels.

Operation

1. When cycling power and when using the focus M/A feature, do not keep the channel in the "active" position. It is best to "toggle" the channel back to its inactive state to avoid repeatedly sending the commands.
2. Test each channel before flight.
3. Always ensure your battery is fully charged. If ever the controller becomes unresponsive, your battery supply power is most likely getting low.
4. In the event you battery is fully charged and the controller locks up, unplug the battery for a few seconds then reconnect and test.