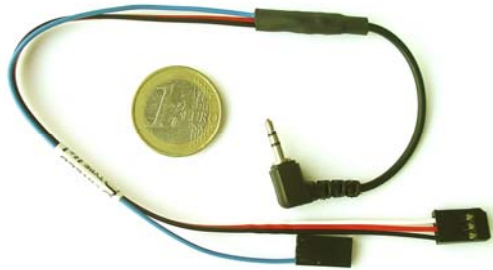




LANC Manual

Camcorder controller



This device interfaces a Camcorder with a LANC interface (Sony, and some Canon models) with a RC receiver. Up to 2 RC channels can be used, controlling REC, PHOTO & progressive ZOOM.

Operation

1. Connect the 3pin connector to a standard RC Receiver Servo output: +ve to Red, -ve to Black, servo to Yellow/white.
2. If using the second channel, connect the single wired servo connector to a second spare RC channel.
(note this cable only has one wire to prevent power supply errors)
3. Connect the LANC connector to the Camcorder LANC port.

Movement of the RC Transmitter stick from one extreme to the other will operate the camera zoom progressively faster as the stick is pushed over.

If the second channel is used then pushing the stick in one direction starts and stops recording, the other direction triggers the camera to capture a single still image. To prevent false triggering these signals need to be held in place for around 250mS.

With the LANC system, only one signal can be sent to the camera at a time, in order for a REC or PHOTO command to be successfully sent the camera must **not** be zooming in or out.

If the camera goes into sleep mode it can be woken up remotely by sending any signal (zoom, REC or PHOTO) from the RC system. The first signal sent wakes the camera, subsequent commands will be actioned. This is a useful power-saving feature for remote cameras.

Joy-sticks

It is recommended that the zoom use a standard joy-stick, however the second channel can be configured to operate from switches on many programmable transmitters. See the transmitter manual for details of how to configure the joysticks and switches available.

Intervalometer Mode

The unit can also be used as a simple intervalometer to trigger the PHOTO feature every 5 or 10 seconds.

Apply power to the 3wire servo connector but do not connect the yellow/white wire. The unit will trigger the camera to take a PHOTO every 5 seconds. Change the period to 10seconds by shorting the single wire servo channel to ground.

Specification

Supply Voltage	3 to 5.5V. Operation is not guaranteed <3V). (absolute maximum voltage, 6.5V)
Supply Current	Average 1mA
Servo Pulses	Zoom operates between 1.1 and 1.9mS. REC and PHOTO pulse threshold around 1.25 and 1.75mS, Pulses should be < Supply V +- 0.7V.
Weight	6 grams including 250mm wires & connectors.

Diagnostics

Replace the device with standard servos on the RC receiver and make sure the servos are moving as expected.

Remember the REC and PHOTO function will only work when the zoom is not operating.

You cannot use the device for REC and PHOTO only, the zoom servo control (3 wires) must be plugged into a RC receiver for power.