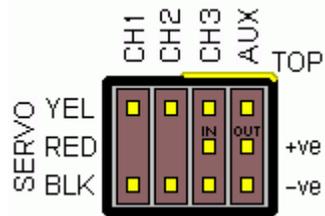


This device interfaces a Sony Camera with a MULTI interface with a RC receiver. Up to 3 RC channels can be used, controlling SHUTTER, REC, ZOOM, & ON/OFF.



Operation

1. Connect a standard RC Receiver Servo lead (+ve to Red, -ve to BLK, servo to white/yellow) to Channel 1, 2, and/or 3. You need only connect cables to channels you intend to use.
2. Connect the MULTI connector to the Camera MULTI port.

CH1 is used for video REC and SHUTTER, idle is in the centre. Moving the stick to one extreme triggers REC. Move again to stop recording. Moving the stick the other way half-presses the shutter then full presses the shutter as the stick reaches the end of the travel. This allows simultaneous video and still capture if your camera supports this feature.

CH2 is used for ZOOM, idle is in the centre. Moving the stick zooms in and out. The unit supports multiple zoom speeds however most cameras only support 2 speed zoom-in and 2 speed zoom-out.

CH3 is used to switch the camera on and off, this can be useful to save power. Momentarily moving the stick switches the camera off, repeat to switch on again. Note: The camera must be switched on for this to work.

With the MULTI system, only one signal can be sent to the camera at a time, so return all servo inputs to "idle" when not in use.

Advanced Operation

When power is applied to CH3, camera telemetry is sent out on the AUX port. The following accessories can be used on this port:

gentWIRE-multiLED provides a visual indication of Camcorder REC status via an ultra bright red LED



gentWIRE-multiAUDIO provides an audio indication of Camcorder status designed to be relayed via an audio channel of a video downlink. Tones tell the operator about REC, Memory, & Battery state.



Joy-sticks

It is recommended that the zoom use a standard joy-stick, however the other channels can be configured to operate from transmitter switches, see the transmitter manual for configuration details.

Power Supply

The unit derives power for CH1 and CH2 from the camera, however power for CH3 is from the RC system. This input can be between 3 and 12 volts. The +ve pin of the AUX port is an OUTPUT which is regulated to 5volts. Only connect gentWIRE-multiLED/gentWIRE-multiAUDIO to AUX.

Specification

Supply Voltage	3 to 12V. Operation is not guaranteed <3V). (Only CH3 & AUX require supply from the RC)
Supply Current	1-10mA. Depends on AUX connection.
Servo Pulses	Standard RC servo pulses between 1.1 and 1.9mS are used for the various functions. Pulses should be < Supply V +- 0.7V.
Weight	9g with 20cm cable + 2g per 15cm servo lead.