

The gentWIRE-FOCUS. Allows control of focus AND shutter on cameras with electrical contacts.

Offering over 12 different camera plug types **gentWIRE-FOCUS** makes a connection between an unused RC channel and your camera. Connect the RC receiver output channel to the left 3 pins as shown below.

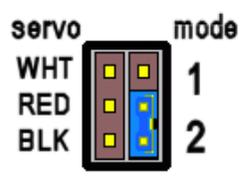
Note that the *right* side is marked on the unit with numbers 1 & 2.

1 STANDARD MODE (blue link in top position). The camera is triggered as the RC transmitter joystick moves from one extreme to the other. This mode is designed for use with the joystick replaced with a switch, or perhaps an aux channel.



Press the button to set the focus (or half press); one red LED will show. Release to take the picture; two red LEDs will show. Return to the focus position within 2 seconds to keep the focus set. The press-switch could be a toggle switch depending on user preference.

2 PROGRESSIVE MODE (blue link in the lower position). As the stick moves from one extreme to the other first the focus (one red LED), then the shutter is activated (two red LEDs). This works best with a joystick or three-position switch on the RC



If the switch is held in the “shutter” position the shutter stays pressed which allows for “bursts” of photographs if the camera is in “continuous” mode. Every 5 seconds the shutter and focus will “flash” which triggers the camera to take another picture if in “single shot”. This allows an intervalometer operation to be remotely enabled. A simple switch can also be used with this mode, but there is no control of focus.

3 SHARED CHANNEL or BULB MODE (blue link omitted). Operation is similar to that described for mode 2 except the focus & shutter triggering happens at one end of the servo travel, this allows the channel to be shared or for use of centre biased controls.



There is no 5 second repeater mode, better for bulb or continuous use. A simple switch can also be used with this mode, as per Mode 2.

4 INTERVALOMETER MODE, triggers the camera every 2, 3 or 5s. Use the unit without a RC system, connect black (0v) and red (+ve) to a 3V to 5.5V supply and **don't** connect the WHT. Connecting the blue link as for mode 1,2 or 3, gives a time period of 2, 3 or 5 seconds respectively. 3 to 5.5V (absolute maximum voltage, 6.5V)

Specification

Supply Voltage	3 to 5.5V (absolute maximum voltage, 6.5V) Note: DO NOT CONNECT to a 7.2volt LiPo.
Supply Current	Maximum 30mA pulses when LEDs activated, typically 0.5mA otherwise. (excluding camera)
Servo Pulses	Pulse threshold varies with mode between 1.3 and 1.8mS. Pulses should be less than Supply V + 0.3V.
Output Current	Absolute maximum 100mA, (3 to 12 volts).
Weight	varies depending on connector option.

Diagnostics

Use a servo on the RC channel output and make sure that you are getting a full 90° movement for the stick extremes. Make sure the trim on the transmitter is set correctly.

Use the red lights on the unit to make sure the transmitter switches and servo signals are being generated correctly and the correct sequences of one light for focus and two lights for shutter are being received.