



Servo Operation
 Connect the 3pin connector to a standard RC Receiver Servo output:

- +ve **Red**
- ve **Black**
- servo **Yellow/white**

Connect the moulded plug to the camera USB/serial port.

Movement of the RC Transmitter stick from one extreme to the other will trigger the camera (see section on joy-switch on the following page). After each activation there is a 1 second wait before operation continues. If the stick is held in the 'on' position photos will be taken every 5-6 secs.

Switch Operation

Alternately (or additionally – as both will work together) you can short the blue wire to the black wire on the servo connector to trigger the camera. In this mode the servo connector should be used to supply between 3 and 5.5V to the unit. The blue wire can thus be connected to the trigger source(s) of your choice.

With **Servo** or **Switch** operation it may take up to 5 seconds from power-on for communication between the gentWIRE-USB and Camera to be established. Also, if the camera powers-down, activate gentWIRE-USB once to wake the camera and a second time to take the picture.

Timer/Intervalometer Operation

The unit can also be used to trigger the camera every 10 seconds, this can be used to prevent some cameras going into "sleep" mode. To enable this make sure the blue wire is shorted to the black wire at power up. After power-up you can leave this connected for Servo Operation, or break the connection and then use the Switch Operation as described above.

Joy-switch

RC systems vary widely, but many have auxiliary switches as well as joy-sticks. gentWIRE-USB can be used on these switch channels if they are programmed to switch around the 1/6mS threshold used, see the operating instructions for programming your RC Transmitter.

Specification

Supply Voltage	3 to 5.5V. (Absolute maximum voltage, 6.5V)
Supply Current	8mA at 4.8V
Serial Output	Full specified RS232 serial protocol (data only)
Servo Pulses	Pulse threshold between 1.5 and 1.7mS, nominally 1.1mS is off, 1.9mS is on. Pulses should be less than Supply V + 0.7V.
Timer Operation	Between 8 and 12 second repeat shutter.
Weight	8 grams including 200mm wires & connector.

Diagnostics

Use a switch between the black and blue wires rather than the servo input, as this will distinguish between servo and serial-link problems. Use the RC system joy-stick to maximise the servo operation and decrease it's susceptibility to noise, then try operation on an auxiliary switch.