



REMOTE Manual

camera remote control system



gent360 REMOTE is a full camera remote control system for camera shutter, tilt (and optionally pan). The keyfob transmitter has up to a 100m range. This product is ideal for a pole aerial photography system.

Receiver Connections

Use the flying lead to connect a 4.8 to 12V supply

(centre pin in +ve). The loose wire is the aerial, for best reception make sure the end is mounted as far away as possible from the camera rig.

At the opposite end of the receiver are 2x 3pin servo connections. Connect the TILT servo to one connector, and either a shutter finger servo or **gentLED** shutter release to the other.

There are two optional connectors at the same end as the battery and aerial. 3pins for a 360degree modified servo for rig panning. This optional output is designed to drive the pan through a 4:1 or 5:1 gearbox. Finally there is a 5V regulator output to power a video transmitter. Note the polarity of this output: +5V nearest the edge, and 0V nearest the PAN.

Operation

The following button combinations operate the receiver:

RED: Makes the shutter servo move both ways or triggers a **gentLED**.

TRIANGLE/CIRCLE: Tilt the camera up and down.

The longer the button is held down the faster the TILT operates.

RED and **TRIANGLE/CIRCLE** together. Pan the camera right and left.

The longer the button is held down the faster the camera will pan.

Indicators

There are three LEDs that indicate operation as follows:

RCVR: red lamp flashes every time a signal is received from the keyfob.

SHUTTER; yellow lamp flashes when the shutter is triggered.

LOW BAT: red lamp flickers when panning, solid light when the keyfob battery is low. Note the state of the keyfob battery can only be displayed after the keyfob has communicated with the receiver. After power-on this lamp may light until the first keypress from the keyfob has been actioned.

Receiver Operation with Video

Experience shows that if a video transmitter is used with this product (rather than no video or a wired video) it is important that the aerials for the transmitter and receiver be kept as far apart as possible. It is unlikely in this configuration that 100m range will be achieved, however the 10 to 20m needed for a pole aerial photography application can be met.

These keyfob systems are designed with an element of security that means for normal operation (garage doors, secure access etc) multiple keyfobs can use the same frequency. Because this products use involves pressing and holding keys it is not possible for two units to operate within each others receiver range.

Specification

Supply Voltage	4.8 to 12V. (absolute maximum voltage, 20V)
Supply Current	Less than 10mA, plus current for the servos.
Range	With ideal aerial placement, up to 100m (300ft), range will reduce if used with video transmitter
Weight	Transmitter (without lanyard) 26 grams, Receiver (without servos) 15 grams.
Auxiliary 5V output	4.5 - 5.5volts, 500mA (minus other servos)

Diagnostics

Make sure all connections are made as per the instructions.

For servo issues, make sure the pan servo has been modified for 360°.

For **gentLED** shutter issues, use a standard servo first.