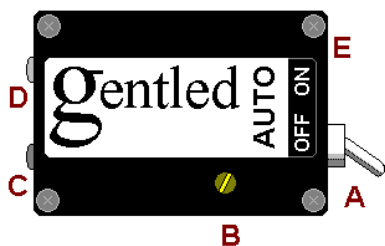




# AUTO Manual

IR timer for stills cameras

actual size



**gentled auto** is an intervalometer or timer (40x28x18mm) for IR cameras and the PHOTO on Camcorders. It is ideal for simple remote operation and triggers the camera from every 2secs to 30minutes.

**A:** OFF/ON switch, **B:** Variable timer adjustment, **C:** IR LED to trigger camera, **D:** red LED to check operation,

**E:** timing link – long and short, accessed by removing top cover.  
A Velcro pad is included as a way of attaching the unit when in use.

## Inserting the battery

Remove the cover (that says **gentled auto**) by removing the 4 screws and levering it up at **A**. Remove the circuit board from the box by lifting it out by the OFF/ON switch first. Insert the 2032 cell provided, **+ve side UP**, in the holder. Replace the board, LED side first, making sure the LEDs locate in the holes at **C D**. Replace the lid (making sure **B** is visible) and screw in place with the 4 screws provided.

## Operation

Move the OFF/ON toggle to ON. Red LED **D** will flash after one second indicating that the shutter signal has been transmitted from IR LED **C**. Thereafter the red LED **D** flashes every time the shutter signal is sent.

To change the repeat rate adjust the screw-set at **B**. This is a 22 turn adjustment. It has a slipping clutch at the end, so it makes a very quiet click when at the end of the travel. The time between triggers varies from 2 to 35 seconds as the adjustment is turned clockwise, about 1 turn / sec.

For longer timings up to 30 minutes you need to change the link inside the unit, located beside the OFF/ON switch and marked *link* (**E**). Remove the cover (as per the instructions in *Inserting the battery*), and identify the *link*. It is stored with only one pin connected, move it so the

two pins closest to the OFF/ON switch are shorted for 10seconds to 4 minutes, and the two pins furthest from the OFF/ON switch for 1 to 30 minutes. In this final mode in TYPE051 two triggers are sent 1.5 seconds apart, this wakes some cameras up if in *sleep* mode. To help adjust these longer timings, first experiment and measure without the link then the two longer modes are 7x longer and 50x longer respectively.

## Specification

Supply Voltage	3V Lithium CR2032, life is >500,000 triggers. DON'T DISPOSE OF IN HOUSEHOLD WASTE
Supply Current	Maximum 20mA pulses when LED activated.
Operating Range	500mm, with unit facing camera receiver, range decreases if located obliquely to receiver
Timer Operation	2 seconds to 30 minutes, variable, in 3 ranges.
Weight	18 grams, 0.6oz, including battery.

## Diagnostics

Is the red LED flashing? Check the battery is correctly inserted and not exhausted. Make sure that the camera IR is activated. This is often controlled via the shutter or timer control – read the camera manual.

Use the lowest delay time to make fault diagnosis easier. Remember some cameras may take several seconds to take another picture, and thus only registering every other trigger from the **gentled**.

If all else fails, use a digital camera as an IR detector. **gentled** is visible (if a little fainter than a standard remote control) through the display.

## Regulatory

This product has been thoroughly assessed and tested for safety and EMC emissions.

At the end of the products life, you have the right to return it (freight at your expense) for disposal according to the WEEE Directive.

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