



TEMPUS ALL - For Time Lapsed Photography

"Time stays long enough for those who use it" - L. da Vinci

- 4 time modes, including **QUICK MODE** to start shooting right away without complicated instructions.

Straps to **ANY** type of camera.

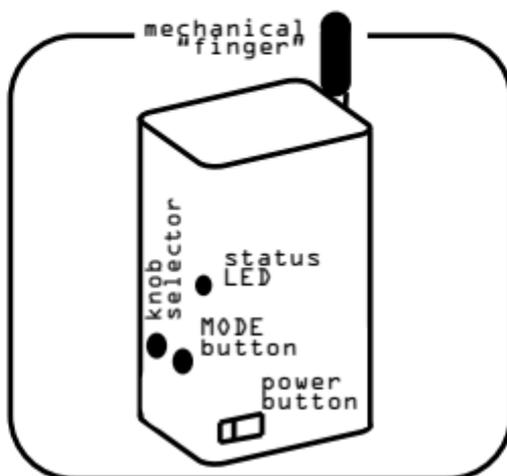
- Simple controls **ALL** on the outside of the device.
- Can also be used a simple remote to trigger still single photos.
- Firmware upgradable, for future functionalities.
- Extended support from customer feedback.

Thank you for purchasing **Tempus ALL mechanical time-lapse device** from **byMaC Inventions**. This device is suited for having your camera shoot still images with a fixed delay between shots, from 3 second to 30 minutes.

TEMPUS has got 4 shoot modes: **quick mode**; **1-10 secs**; **10-60 secs** and **1-30 mins**.

This package includes

- **TEMPUS ALL mechanical time lapse device**
- **This MANUAL**
- **1x 123A type Lithium battery installed**



Strapping Tempus ALL to your Camera

Your **Tempus ALL** device was design so it can be used with virtually any camera. It consists in an intervalometer **byMaC** original, circuit, where you can chose the desired delay between photos, and a mechanical shutter-pressing "finger", built with a hitec digital servo.

You need to firmly strap it to your camera, aligning **Tempus ALL** rubber "finger" with your cameras shutter button, and pay attention to the mechanical "finger"

travel distance. The servo arm will travel a 45° angle. Test it so that you can make sure it presses firmly the shutter button, but not too much as to stress the servo too much. Servo stress can result in low performance batteries and ultimately device failure. Only the Tip of the arm should touch shutter button.

Tempus ALL has a rubber strip on the back to insure good grip to your camera.

If the Velcro strap does not gives you enough grip, use rubber bands to help the strapping process.

The servo arm has a little screw you can unscrew an pull the servo arm, if you need to move it to better accommodate your cameras shutter button position.

WARNING: Do not overstress the servo arm. Always position the mechanical “finger” at a safe distance from any obstacle or the shutter button. Place it close enough so it shots your camera, but with minimal effort. Do it, and your TEMPUS ALL will make you happy for a very long time. 😊

QUICK-START MODE:

The fastest way to start shooting with your *TEMPUS ALL*.

1 - with your camera set to MANUAL mode, and with you TEMPUS device turned OFF and strapped to your camera, “finger” aligned with shutter button, press and hold the MODE button on the front of the TEMPUS device.

2- with MODE still pressed, flick the power switch on the back of the TEMPUS unit. LED will lit briefly and them go off.

3- after desired delay, release MODE button.

Delay between shots, equals the time you’ve held on to the MODE button.

When you release the button, the device gives you a fast blinking LED for 5 seconds. Time enough for you to position the remote strapped to the camera and get out of the way.

NOTE: *Tempus ALL* as a WAKE CAMERA feature. If your camera goes to sleep after a certain time, *Tempus ALL* presses the shutter for 2 seconds in each press. That is usually enough to wake up most camera models, and still take the shoot. For this reason, you’ve got to add those 2 seconds to your delay between shots. So if you set your remote to shoot with 1 second delay, it will actually shot each 3 seconds. Same applies to the following NORMAL modes.

Normal modes:

MODE 1: 1 to 10 second intervals.

- 1- turn ON the device flicking the power switch on the back LED will stay ON.
- 2- Turn the nob on the center, to select time interval between shots. In this mode, turning the nob will select from 1 to 10 second interval.
- 3- Press MODE button ONCE.

If you've made a clear press of the button, LED will blink once, signaling MODE 1 selected.

The device will then give you a fast blinking LED for 5 seconds. Time enough for you to position the remote strapped to the camera and get out of the way.

LED will blink with each shoot.

MODE 2: 10 to 60 second intervals.

- 1- turn ON the device flicking the power switch on the back LED will stay ON.
- 2- Turn the nob on the center, to select time interval between shots. In this mode, turning the nob will select from 10 to 60 second interval.
- 3- Press MODE button 2 TIMES.

If you've made a clear press of the button, LED will blink 2 times, signaling MODE 2 selected.

The device will then give you a fast blinking LED for 5 seconds. Time enough for you to position the remote strapped to the camera and get out of the way.

LED will blink with each shoot.

MODE 3: 1 to 30 minute intervals.

- 1- turn ON the device flicking the power switch on the back LED will stay ON.
- 2- Turn the nob on the center, to select time interval between shots. In this

1- mode, turning the nob will select from 1 to 30 minute interval.

2- Press MODE button 3 TIMES.

If you've made a clear press of the button, LED will blink 3 times, signaling MODE 3 selected.

The device will then give you a fast blinking LED for 5 seconds Time enough for you to position the remote strapped to the camera and get out of the way.

LED will blink with each shoot.

When shoot session is over, remember to turn OFF your device.

Remember that the LED only flashes when a shot is sent to the camera, so it is easy to forget to turn OFF the device draining the batteries.

Replacing Battery

TEMPUS ALL Mechanical Time-Lapse Device operates with a High Performance 1x 123A type high-powered Lithium battery. Eventually it will run out need replacement. Replace it ONLY with the same type of battery.

To do so:

- Turn knob to its minimum setting and pull it out.
- Gently press down on the back plate to remove cover.
- Remove battery with the help of a flat screwdriver.
- Replace with new battery placing it in the same position/polarity as the previous battery.
- reinsert backplate and knob button.

**Tips for time lapsed photography:
<http://tempusALL.bymac.org>**

Troubleshoot:

Problem: Tempus Presses shutter but camera does not take shot.

Solution: Check if TEMPUS is well strapped, and that its “finger” can have a firm press on the shutter button.

Solution 2: camera NOT in manual mode. If your camera has some auto feature ON it will take longer to shoot, requiring a longer shutter press. Auto mode also ruins time-lapse photos. Check website for tips& tricks on time-lapse.

Solution 3: battery is low. When battery needs replaced, LED will still flash, but it has no power left for operating its “finger” properly. Replace batteries.

Problem: I'm pressing MODE 1, 2 or 3 times, but LED goes back to constant ON again.

Solution: you are pressing too slow or too fast. You should press at the speed of 2-presses-a-second (give or take). If TEMPUS can't figure out what mode you want, it goes back to waiting for you to tell it again.

Problem: My battery drained too fast!

Solution: never forget to turn OFF device after shooting. Since while in shooting mode, the LED only blinks when it takes a shot, it's easy to forget to turn it OFF and drain the batteries.

Please enjoy your TEMPUS time-lapse device, and share comments and your movie links with us, so we can post them on our website!

<http://tempus.bymac.org>

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smart people do smart things