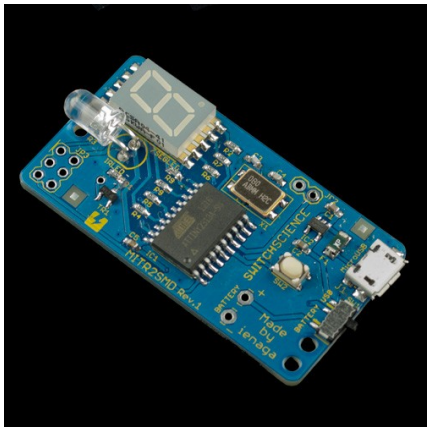
SWITCHSCIENCE

DSLR Universal Interval IR Remote (Kit)

Inside the Package



- Main Board 1
- IR LED (bullet type) 1

Construction

You have to prepare the following items by yourself:

- Soldering iron
- Solder wire
- Wire cutter

Please solder the IR LED onto the board. The location is marked as "IRLED". The LED has two leads, longer and shorter. The shorter lead should be inserted into the hole nearer by the "IRLED" marking. The IR remote will not work if you solder with wrong holes.

In most cases, it will be best to solder the LED in right angle. To do so, bend the two leads before soldering.

As you should know if you are experienced with soldering, please do not forget to cut off the excess leads.

Construction (Optional Battery Holder)

This product is designed to be powered via Micro USB port. You should be able to find a portable battery pack with Micro USB outlet at somewhere like a smart phone accessory store.

Optionally, you can power this board with two 1.5V (AAA) batteries. If you want to do this, prepare batteries and a battery holder by yourself and solder the power leads from the battery holder to the pads on the board marked as "+" and "-" near "BATTERY".

The board has two larger holes near by the slide switch. You may want to insert the leads from the battery holder before soldering to the "+" and "-" pads. This prevents the leads to be torn.

Usage

Power the board either by Micro USB port or batteries. Select the power source "USB" or "BATTERY" by the slide switch on the edge of the board.

At this point, the board automatically start to fire the IR command periodically. You can select the interval time by pressing several times the momentary push button switch on the center of the board. When you press the switch, the digit shown on the 7 segment LED cycles among 0 to 9 and A to F. 0 means 1 second interval. 1 means 2 seconds.... 9 means 10 seconds. A means 15 seconds. B means 20 seconds. C means 25 seconds. D means 30 seconds. E means 35 seconds. F means 40 seconds.

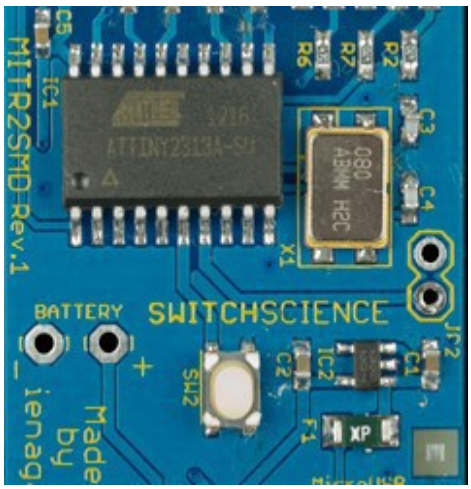
Please note that the 7 segment LED will be off except a small dot in 8 seconds after pressing the switch. While this state, the IR LED continues to work to fire the IR command.

Installation

Please install and fix the board near by your digital SLR camera. The IR LED should face to the IR remote receiver on your camera. Cable ties may be useful to fix the board on your tripod.

Optinally Change the Interval Time Unit to Minute

The unit of the interval time can be changed from seconds to minutes by connecting the two pads marked as "JP2". You will be able to select the interval time between 1 minute to 40 minutes. Please do not forget to turn off the sleep mode of your camera when you select the long interval. Some cameras may not be able to be turned off the sleep mode. Please consult with the manual of your camera.



Combine the Pictures to Time-lapse Movie

You will need movie editing software to combine the intervally shot pictures to a time-lapse movie. Such software includes TMPGenc (for Windows) and iMovie (for Mac OSX). The usage of the software is out of scope of this document.

Compatible DSLRs

Here is the list of confirmed DSLR makes and models to be compatible.

- **Canon**: 7S, 7, 10, 55, 100P, 100, Kiss 7, Kiss 5, Kiss Lite, Kiss III L, Kiss III, IX E, 5D Mk II, 7D, Kiss DX, Kiss X2, Kiss X3, Kiss X4, Kiss DN
- **Nikon**: D40, D50, D60, D70, D80, D90, D3000, D5000, Nikon 1 J1
- **OLYMPUS**: E-30, E-3, E-410, E-520, E-620
- **Pentax**: K-5, K-x, K-m, K-r, K-01, K20D/10D, K200D/100D, *ist DS/DL, Compact Digital Camera with IR Remote
- **Sony**: α55, α230, α380, α550, α700, α900, NEX-5, NEX-7
- **Sigma**: SD14, SD15 (ch1 only)

Support

Please understand we cannot provide technical support for this product. All information we can provide is on this document. If you find defects on this product, please let us know.

Switch Science, Inc.
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Digit	Meaning	Interval
	0	1
	1	2
	2	3
	3	4
	4	5
	5	6
	6	7
	7	8
	8	9
	9	10
	A	15
	B	20
	C	25
	D	30
	E	35
	F	40