

Instruction manual

For the

MultiCam LEI Infrared remote

Long exposure / Intervalometer

Canon

Nikon

Olympus*

Pentax

Samsung

Sony

* Long exposure mode not available for Olympus

If you need help contact me via my eBay ID "SteveMRI". Booklet Version 1.3 © Oct2013

The MultiCam LEI remote can operate as an Intervalometer and also as an automated long exposure remote. The remotes Intervalometer mode will work with Canon, Nikon, Olympus, Pentax, Samsung and Sony infrared enabled cameras. The remotes long exposure mode will work with Canon, Nikon, Pentax, Samsung and Sony infrared enabled cameras (long exposure mode will not work on Olympus cameras).

The remote has three buttons, one bicoloured LED (Red/Green) and one infrared emitter. Powered by 1 x CR2032

User delay can be programmed from 1 second to 60 minutes 59 seconds. Maximum and minimum delays will be dependent on camera model, manufacturer, memory write speed. All user settings are stored in memory.

Setup camera manufacturer

Press and hold the **left hand button** then press and hold the **right hand button**, release the **left hand button** then after 1 second release the **right hand button**. The remote will now indicate the currently selected camera by flashing red from 1 to 6 times.

After the remote has stopped flashing the selected camera manufacture, pressing the **middle button** will decrement and the **right hand button** will increment the camera manufacture number.

Number of red flashers = Camera manufacturer

1 = Canon 2 = Nikon 3 = Olympus* 4 = Pentax 5 = Samsung 6 = Sony

* Olympus selection only works in Intervalometer mode.

The remote will switch off 5 seconds after the last button was pressed Indicated by the remote fading from green to red.

Setup time delay

Press and hold the **left hand button** then press and hold the **middle and right hand button**, now release the **left hand button** the remote will now start to flash red / green you can now release the **middle and right buttons**.

Set minutes

While the remote is flashing red / green. Press and hold the **middle button** the remote will start to flash green each green flash equates to a delay of 1 minute, release the **middle button** after counting the required time / green flashes. The remote will return to flashing red / green. At this time you can now enter the seconds of delay.

Set seconds

While the remote is flashing red / green. Press and hold the **right hand button** the remote will start to flash red each red flash equates to a delay of 1 second, release the **right hand button** after counting the required time / red flashes. The remote will auto switch off 10 seconds after the last button was pressed. If no delay time has been set the remote will default to a delay of 1 second. Auto switch off is indicated by the remote fading from green to red. Minutes must be set first then seconds as the seconds will be reset to 0 when minutes are set.

Indicate current delay

Press and hold the **left hand button** then press and hold the **middle button** release the **left hand button** then after 1 second release the **middle button**. The remote will now flash green for each minute of delay set and then red for each second of delay set. The remote will then auto switch off.

Start remote

Press and release the **left hand button**. The remote will either flash green twice indicating that it's in Intervalometer mode or it will flash green then red indicating the remote is in long exposure mode. The remote will then flash green 9 times as a countdown to the first shutter trigger indicated by a double green flash Intervalometer mode.

Intervalometer mode

Remotes led indicator after starting

G/G G G G G G G G G G GG Delay GG Delay GG Delay GG

G/G = Green Green flash = Intervalometer mode

G = 1 of 9 Green flashes = Countdown to first shutter trigger

GG = Green double flash = Sending shutter trigger

Delay = User entered delay

Intervalometer long exposure mode

Remotes led indicator after starting

G/R G G G G G G G G G GG Delay RR R R R R R R R R GG

G/R = Green Red flash = Long exposure mode

G = 1 of 9 Green flashes = Countdown to start exposure shutter trigger

GG = Green double flash = Sending start exposure shutter trigger

Delay = User entered delay

RR = Red double flash = Sending end exposure shutter trigger

R = 1 of 7 Red flashes = Camera write delay. This is preset at 4 seconds and cannot be altered

You will need to set your camera to bulb / timer drive mode and to trigger by remote control.

Changing operating mode Intervalometer / Long exposure

When the remote is running pressing the **right hand button** will toggle the remotes mode The remote will indicate the new mode by flashing green green or green red followed by a shutter trigger double green flash.

If you require the countdown indicator pressing the **left hand button** will restart the remote using the new mode.

Switching off

The remote will automatically switch off after using the any of the setup menus.

When the remote is running and being used in the Intervalometer or long exposure mode pressing the **middle button** after the first shutter trigger has been sent will switch the remote off. The remotes led will fade from green to red.

Heartbeat indicator

When using Intervalometer mode with a delay time longer than 8 seconds the remote will flash green during the delay period to show the remote is running.

When using long exposure mode with a delay time longer than 8 seconds the remote will flash amber during the delay period to show the remote is running.

Example 1 Intervalometer, Canon, 6 second delay

Set remote to Canon

Press and hold the **left hand button** then press and hold the **right hand button**, release the **left hand button** then after 1 second release the **right hand button**. If the remote flashes red more than once press the **middle button** until the remote only flashes once. Wait for the remote to time out. This will select Canon mode.

Set 6 second delay

Press and hold the **left hand button** then press and hold the **middle and right hand button**, now release the **left hand button** the remote will now start to flash red / green you can now release the **middle and right buttons**.

Press and hold the **right hand button** then release the **right hand button** after counting the 6th red flash, wait for the remote to time out. This will enter 6 seconds of delay into the remote.

Starting Intervalometer

Press and release the **left hand button** if the remote starts with a green green flash then the remote will be in Intervalometer mode if it starts with a green red flash press the **right hand button** after the first shutter trigger to switch to Intervalometer mode.

Next time you start the remote it will be in Intervalometer mode.
Camera needs to be setup for shutter trigger using a remote control.

Example 2 Long exposure, Nikon, 15 second delay

Set remote to Nikon

Press and hold the **left hand button** then press and hold the **right hand button** then release the **left hand button** then after 1 second release the **right hand button**. If the remote flashes red more than two times press the **middle button** until the remote only flashes two times. If the remote only flashes once press the **right hand button** once the remote will now flash two times. Wait for the remote to time out. This will select Nikon mode.

Set 15 second delay

Press and hold the **left hand button** then press and hold the **middle and right hand button**, now release the **left hand button** the remote will now start to flash red / green you can now release the **middle and right buttons**.

Press and hold the **right hand button** then release the **right hand button** after counting the 15th red flash, wait for the remote to time out. This will enter 15 seconds of delay into the remote.

Starting Long exposure

Press and release the **left hand button** if the remote starts with a green red flash then the remote will be in long exposure mode. If it starts with a green green flash press the **right hand button** after the first shutter trigger to switch to long exposure mode. Next time you start the remote it will be in long exposure mode.

Camera needs to be setup for shutter trigger using a remote control and be in bulb / timer mode with its noise reduction mode switched off.

Switching off

Press the **middle button**.
The remote will fade from green to red the remote is now switched off.

Replacing the battery

Remove the two screws and remove the back cover of the remote.
Push the battery holders spring clip to the side to release the battery.
Refit with a fresh battery with the plus sign facing up. Refit back cover and screws.

Intervalometer compatibility

Canon cameras compatible with RC1, RC5, RC6 infrared remote control.
Nikon cameras compatible with ML-L3 infrared remote.
Olympus cameras compatible with RM-1, RM-2 infrared remote.
Pentax cameras compatible with F infrared remote.
Samsung cameras compatible with SRC-A3, SRC-A5 infrared remote.
Sony cameras compatible with RMT-DSLR1, RMT-DSLR2 infrared remote.

Intervalometer compatible cameras

Nikon compatible cameras

D7000, D5200, D5100, D5000, D3000, D90, D80, D70S, D70, D50, D60, D40, Nikon 1 J1, Nikon 1 V1, Nikon 1 J2, Coolpix P7100, P7000

Olympus compatible cameras

Long exposure mode not available for Olympus

C8080, C750, C740, C730, C720, C60, C5060, C5050, C5000, C50, C4000, C4040, C40 C3040, C3030, C3000, C2100, C2040, C2020, C2000, C220, E10, E20, E100RS, E420, E500, E620

Pentax compatible cameras

K-01, K100D, K110D, K200D, K10D, K30, K20D *istDS2, *istDS, *istDL2, *istDL, *istD

Samsung compatible cameras

EX1 IT100 NV7 OPS NV8 NV10 NV11 NV15 NV20 NV24HD NV30 NV40 NV100HD
WB500 WB550 WB1000

Sony compatible cameras

A230, A290, A330, A380, A390, A450, A500, A550, A560, A580, A700, A850, A900, A33, A35, A37, A55, A57, A65, A77, NEX5, NEX5N, NEX6, NEX7

Long exposure compatibility

Cameras same as Intervalometer list except for Olympus models which only work in Intervalometer mode. Cameras must be infrared enabled with bulb or time drive facility all noise reduction modes must be disabled for automated use of the remote.

Nikon cameras will require the auto off infrared receiver to be set to 15 minutes in the cameras setup menu.

Pentax cameras will require the remote control mode to be set to mode 2, start on first trigger end on second trigger in the cameras setup menu.

When using long exposure mode make sure that your camera starts the exposure with the double green flash and ends with the double red flash.

Remote placement

The majority of cameras have the infrared remote control receiver located on the front of the camera. When using the remote place it facing the camera and out of frame.

