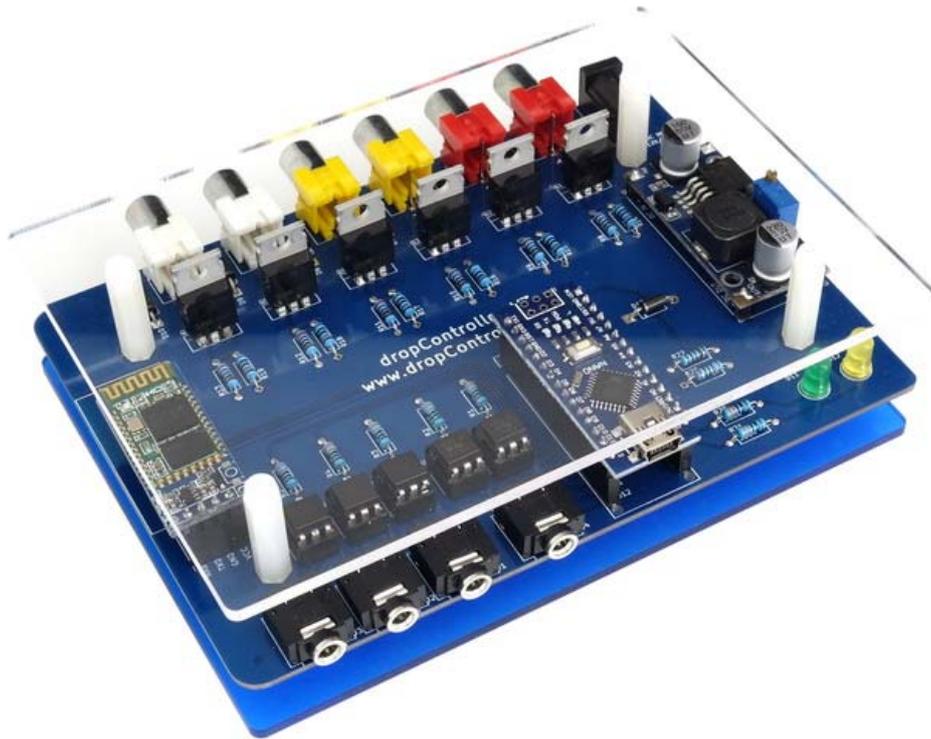


# dropControllerV3

Preliminary Price List



To order or for further information please email me at [martyn\\_currey@hotmail.com](mailto:martyn_currey@hotmail.com)

Please note that all prices exclude shipping.  
Shipping costs are available on request.

## dropControllerV3 Fully Assembled

Price US \$195.00



Includes dropControllerV3, power supply, shutter release cable, and flash trigger cable.

*\*The shutter release cable has been replaced with a coiled version.*

### **Power Supply**

Input: 100-240v, 50-60MHz

Output: 24v, 5 amps

Please state type of plug/country of use when ordering.

### **Shutter Release Cable**

Coiled lead 30-100cm (100cm is fully extended and not usable at this length).

Please state the type of camera when purchasing.

### **Flash Trigger Lead**

3.5mm jack to PC socket.

Coiled lead 30-100cm (100cm is fully extended and not usable at this length).

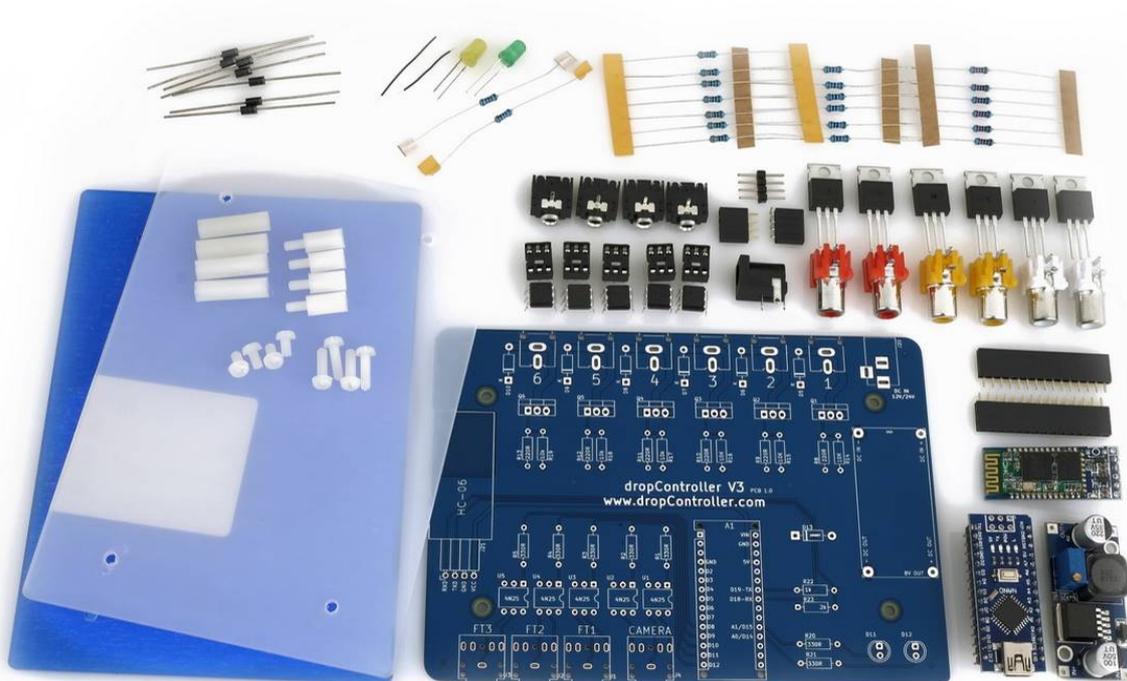
# dropControllerV3 Kit

Price: US \$75.00

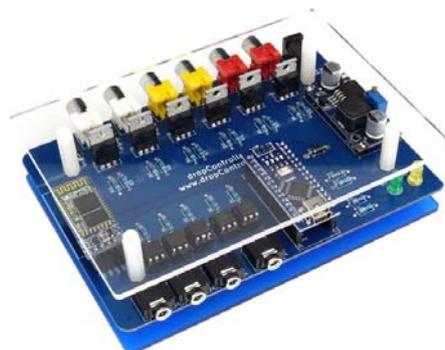
The kit includes all the parts required for the main device, including PCB v1.5, acrylic base and top, the Arduino, the Bluetooth module, and the buck converter. It does not include power supply or leads.

The Arduino is pre-programmed and the Bluetooth module is set up. The buck converter is set to the correct output voltage.

Some basic soldering skills are required to put the kit together and an assembly guide is available on the downloads page of the website.



\*Photo shows PCB 1.0. The kit now includes PCB v1.5.



Finished Kit

## dropControllerV3 Kit Plus

Price: US \$95.00

Contains the above kit along with a power supply, shutter release lead, and flash trigger lead.

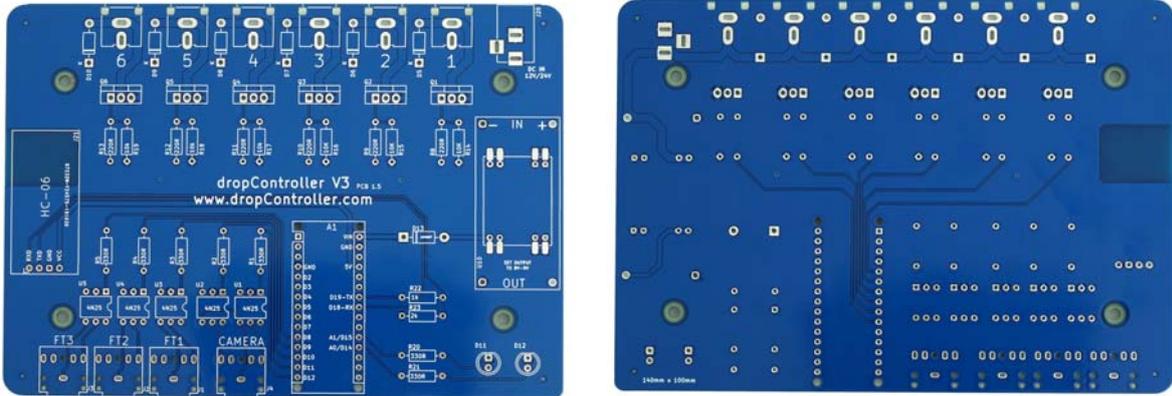
Please state type of power supply plug/country of use when ordering.  
Please state the type of camera when ordering.

Please see below for details about the power supply and leads



# PCB V1.5

Price: US \$7.00

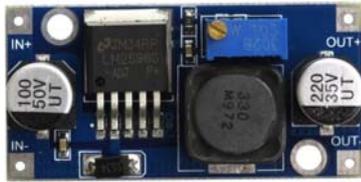


Can accommodate 2 different types of DC-DC buck converter (see below).

## Notes:

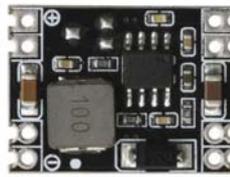
### Buck Converter

PCB V1.5 can use either of the following buck converters.



Variable output

Remember to set the output voltage before connecting to the circuit.



Fixed 9V output

This module is available with different output voltages. Double check you have the 9V version.

### Bluetooth Module



Ideally use a HC-06 with pins at 90 degrees to the board.

*Buck converter and HC-01 set now available. See below.*

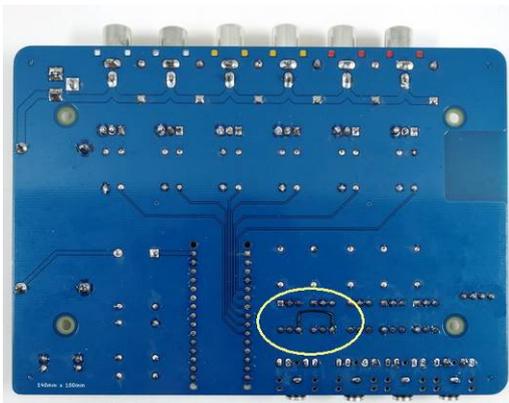
# dropControllerV3 PCB v1.0

Price: US\$~~5.00~~ 4.00



There are a couple of things to mention about the v1.0 PCB:

1. There is a slight mistake on the PCB (I forgot a ground connection) and a small jumper (included free!) has to be added. Please see the below photo.
2. The space for the Bluetooth module is designed for a module with vertical pins and requires an extra tall right angled connector which I can't get at the moment (the regular connectors are not tall enough), therefore, I have been using BT modules with the pins at a right angle to the module and a straight 4 pin connector. This means the outline on the PCB does not fit the Bluetooth module correctly.



PCB v1.0 requires a jumper



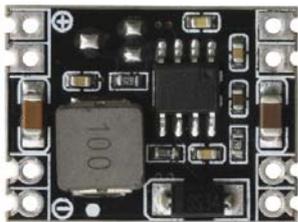
PCB v1.0 is designed for a different BT module

*Only a few left.*

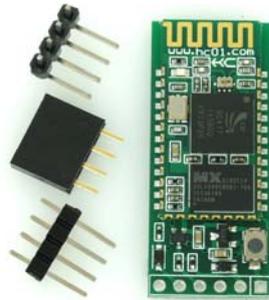
## Buck Converter and Bluetooth Set

Price: US \$15.00

I didn't intend to sell these (the Bluetooth modules I use are not the cheapest) but since people are asking I added them to the price list.



Fixed 9V output



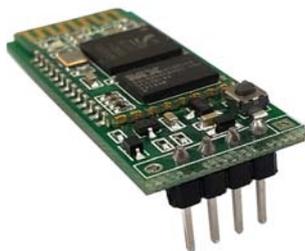
Official HC/Wavesen  
HC-06

1 x 9V fixed output DC-DC  
step down convertor

1 x HC01 HC-06 Bluetooth  
module with separate pins.

The DC-DC step down converter has a fixed 9v output so there is no setup required. Just make sure you get it the right way around 😊

The HC-06 Bluetooth modules are the official (and original) modules from HC/Wavesen. These are slightly more expensive than other similar modules but the HC modules are reliable and well supported and as a bonus they have a nice shiny blue LED and everybody likes shiny blue LEDs!



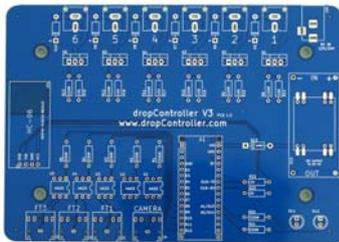
If using the dropController PCB use the straight pins.

Right angled pins are included for breadboard use.

# PCB + DC-DC Step Down Converter + HC-06 Bluetooth Module

Price: US \$20.00

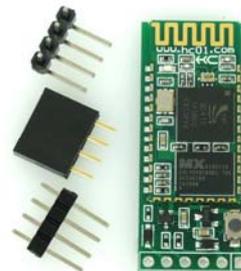
Buy together and save two dollars. Yeah a whole two dollars!



PCB V1.5



Fixed 9V output Dc-  
Dc converter



Official HC/Wavesen HC-06

1 x PCB V1.5

1 x 9V fixed output DC-DC step down buck convertor

1 x HC01 HC-06 Bluetooth module.

# Valve and Bottle Set

Price: US \$30.00

Buy together and save US \$4. It's cheaper and there's free stuff too!



- 1 x SLGPC PU220AR-02 24v
- 1 x Bottle
- 2 x Bottle clips
- 3 x 6mm ¼ NPT brass nozzles



- FREE!**
- 1 x Brass ¼ NPT double sided connector
  - 1 x Teflon tape

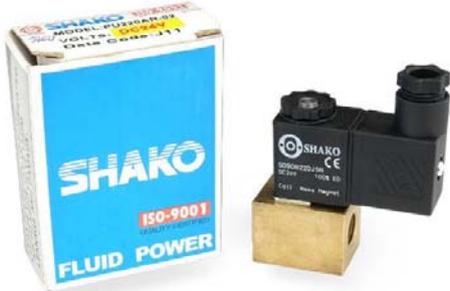


The double sided connector allows the bottle and valve to be connected to each other.

# Solenoid Valves

## Shako PU220AR-02 24v

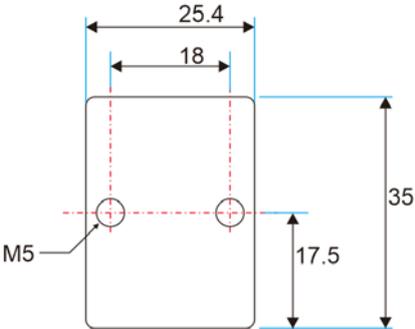
Price: US \$35.00



The standard water drop valve. Reliable and repeatable performance

1/4 NPT thread size

Mounting holes



Holes are 18mm apart and M5 size.

## SLGPC PU220AR-02 24v

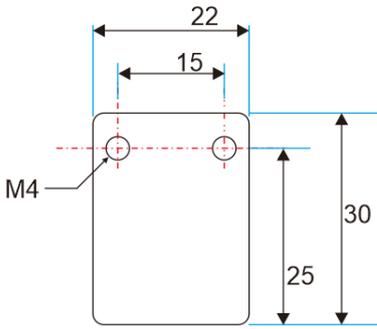
Price: US \$22.00



Similar performance to the Shako. My preferred valve.

1/4 NPT thread size

Mounting holes



Holes are 15mm apart and M4 size.

## Bottle Kit

Price: US \$ 12.00



1 x T33 Bottle  
2 x Clamps  
3 x Brass nozzles\*

Caps are ¼ NPT thread size

\*Please state required sizes when ordering

Option 1: 3 x 6mm

Option 2: 1 x 6mm + 2 x 8mm

Option 3: 1 x 6mm + 2 x 12mm

The bottle and nozzles are standard ¼ NPT thread size, same as the solenoid valves and the nozzles fit the Shako and SLGPC valves.

**\*\* Does not include bracket to attach to a stand \*\***

I do not have brackets to attach the bottle to a stand yet. These will be available in the future. Price of the kit with bracket TBC.

I use cable ties to secure the bottle which I think works well. The clips make it fairly easy to remove the bottle.



## Power Supply

Price: US \$25.00



Input: 100-240v, 50-60MHz  
Output: 24v, 5 amps  
Please state type of plug/country of use when ordering.

## Shutter Release Cable

US \$6.50 (price is for one lead only)



3.5mm to dedicated plug.

Coiled lead 30-100cm (100cm is fully extended and not usable at this length).

Various leads available please state camera make and model when ordering.

## Flash Trigger Lead

US \$6.50



3.5mm jack to flash PC socket.

Coiled lead 30-100cm (100cm is fully extended and not usable at this length).

## 3.5mm Extension Lead

US \$ 6.50



3.5mm to 3.5mm.  
1.5m length

Suitable for use with the shutter release and the flash trigger cable.