Connecting cameras to the Bigfoot sensor

Summary:
Your Bigfoot camera control board was designed to control the operation of your game camera dependably and reliably. After many years of using other controllers, we came up with one of our own that included the features we liked the most. The Bigfoot is the only controller currently available that has both the batteries and power switch on the board. Having this feature makes Bigfoot much easier and simpler to set-up and use. The three AAA batteries will last up to 6 months. Below the batteries we have conveniently located the controller on-off switch, the board sensitivity control, the board status light and the switches to set your delay times.

On the back side of the controller is your solderless camera connection plug and DIP switches that let you choose from four camera types, (or modes of operation where applicable). Here you also find, the PIR motion sensor, the day/night photocell and walk test LED. Also shown are jumper pads that will allow Bigfoot to work with many camera types, including all the newest ones.

When you ordered your Bigfoot board from BF Outdoors the camset switches should be set to your camera, and the correct jumper made. Please double-check these before using your Bigfoot camera controller.

CAMSET Switch Settings: Standard programming

Located on the component side of the board you find the CAMSET switch. This switch sets the board operation for the type of camera used. Currently in the standard programming the Sony P41, S600/S40, P32, and the Samsung a503 cameras are supported. Please check that the switches are set correctly for the type camera you are using.

Sony DSC-P32…….switch 1 on…switch 2 on

Sony DSC-P41…….switch 1 off…switch 2 on

Sony S40/S600…….switch 1 off…switch 2 off

Samsung a503…….switch 1 on…switch 2 off

Typically a custom camera program will use Switch 1 on switch 2 off

JP1 and JP2 jumpers

Samsung A503:….**JP1** will be jumper together and **Jp2** will **not**

Sony cameras:……**JP2** will be jumper together and **Jp1** will **not**

Camera Connection:

Located on the component side of the board is a connector labeled "J1"this is where you will plug in your camera control connector. . There are four pins, POW, COM1, SHUT, and COM2. For a standard 3 wire connected camera only POW, COM1 and SHUT are used.

Cameras will be connected to the Bigfoot the following way:

All Sony cameras

The Shutter wire will connect to the Shut Pin
The Common will connect to the Com1 Pin
The Power wire will connect to the Pow Pin
The JP2 will need to be jumpered

The Samsung A503 :

In a brief explanation the Samsung A503 needs the Bigfoot current to be reversed to operate. So to do this we need to switch the connections
The shutter wire will be connected to Com2 pin
The common will connect to the Shut pin
The Power wire will be connected to the Com 1 pin
The JP1 will need to be jumpered

Also available with custom programming the Bigfoot sensor will be able to support these cameras

Olympus D380, D370 always on

Switch 1 and 2 on is fast refresh
Switch 1 and 2 off is long refresh
The Shutter wire will connect to the Shut Pin
The Common will connect to the Com1 Pin
The Power wire will connect to the Pow Pin
The JP2 will need to be jumpered

Sony P31/P51

This camera needs some extra startup time before pictures for use with larger memory sticks.
The Shutter wire will connect to the Shut Pin
The Common will connect to the Com1 Pin
The Power wire will connect to the Pow Pin
The JP2 will need to be jumpered

Samsung A402

This camera requires 2 commons
The Shutter wire will connect to the Shut Pin
The Shutter Common will connect to the Com 2 Pin
The Power wire will connect to the Pow Pin
The Power Common will connect to the Com1 Pin
The JP1 or JP2 will both be left with no jumper