

# SYNTHIAM

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## Use Camera As A Button

You can use a Camera in EZ-Builder as a button without any external code. I created a custom multicolor named "Dark" and set it a orange/red range and I set it to the maximum size for detection. This is what worked best for me as I discovered the orange/red color range was reflected off my hand as it moved toward the camera to block the view.

I started out using the darkest shade of blue possible but...

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## Step 1

You can use a Camera in EZ-Builder as a button without any external code. I created a custom multicolor named "Dark" and set it a orange/red range and I set it to the maximum size for detection. This is what worked best for me as I discovered the orange/red color range was reflected off my hand as it moved toward the camera to block the view.

I started out using the darkest shade of blue possible but that color did not perform as well for me. I encourage you to experiment as skin tone, lighting conditions and even the type of camera will vary from user to user.

Below is my script which I named CamBlocked It only looks for the \$CameraObjectColor value to change and so this script acts as a sort of "hair trigger".  
``` #updated 7/21/14 \$CameraObjectColor = ""

```
:Start IF ($CameraObjectColor = "Dark") ControlCommand("Bender Sounds",  
Track_19) sleep(500) ENDIF
```

```
$CameraObjectColor = "" sleep(500)
```

```
goto(start) ```
```

The line below is the action I have chosen to perform when my "Dark" multicolor object is detected. ``` ControlCommand("Bender Sounds", Track\_19) ```

Video Tutorial:

Here is an alternative take on the script. Rich's modified script uses the WaitForChange function and \$CameraIsTracking value. My tests showed that I had to wave my hand slowly more closely in front of the camera for 1-3 seconds in order to trigger the event.

```
``` #from Rich 7/21/2014 $CameraObjectColor = ""  
WaitForChange($CameraObjectColor)
```

```
:Start IF ($CameraObjectColor = "Dark") ControlCommand("Bender Sounds",  
Track_19) EndIf
```

```
WaitForChange($CameraIsTracking)
$CameraObjectColor = ""
WaitForChange($CameraObjectColor)
Goto(start) ```
```

If you test the two scripts, please let us know the results.