

## Operation

The PicoBoo ONE is a very simple product. It's either recording a scene, playing a scene, or waiting. The current state is shown using the status LED. See the table below for the different states.

Operating Status-LED States	
Blinking Green	Ready to be triggered.
Solid Green	Playing the scene.
Solid Red	Recording animation.
Solid Yellow	The trigger input has been tripped.
Blinking Yellow	Waiting for the trigger input to stabilize. This should only happen at startup when a PIR motion sensor is warming up, or if recording is started while the trigger is active.

### Settings

The PicoBoo ONE also has *Write-Protect* and *Normally-Closed Output* options. At Startup it blinks the status LED to indicate the state of both options.

Startup Status-LED Blink Patterns	
One Red Blink	Normal. (Write-Protect and Normally-Closed output are disabled)
Two Red Blinks	Normally-Closed output enabled.
One Green Blink	Write-Protect enabled, Normally-Closed output disabled.
Two Green Blinks	Both Write-Protect and Normally-Closed output are enabled.

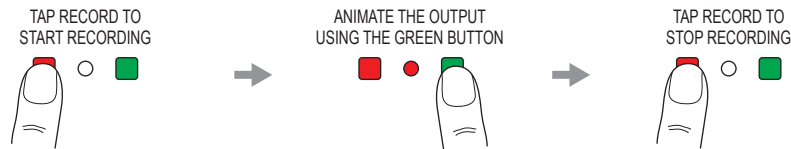
### Adjusting Settings and Factory Reset

- To toggle the Normally-Closed output, power up while holding the red button.
- To toggle the Write-Protect, power up while holding the green button.
- To factory reset the unit, power up while holding both buttons.

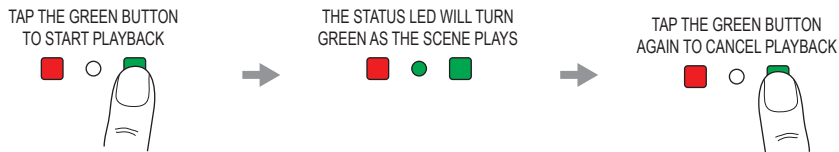
## Recording Animation

### Recording Animation

The PicoBoo ONE can record up to 1 minute of animation.



### Previewing your Scare



## Troubleshooting

### Recording won't start

Write protection is enabled. See *Operation* for instructions on disabling the write-protect.

### Status LED blinks yellow

The trigger is being ignored. Likely because a PIR was detected at startup or a user interrupted a triggered scene. It will resume shortly.

### Output stays on

Normally-Closed Output might be enabled. See *Operation*.



## Operating Manual

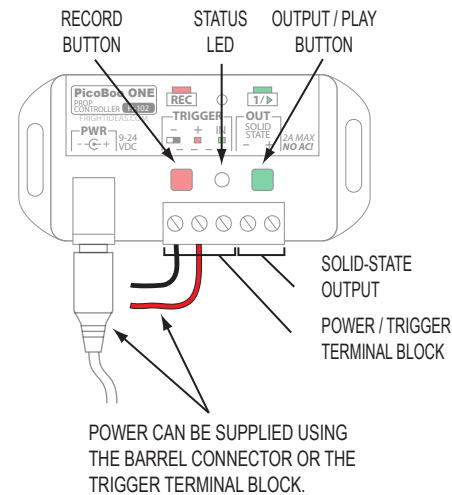
### PicoBoo ONE



### NEED HELP?

There are videos and more diagrams available online.

## Getting Familiar



### Sizing your Power Supply

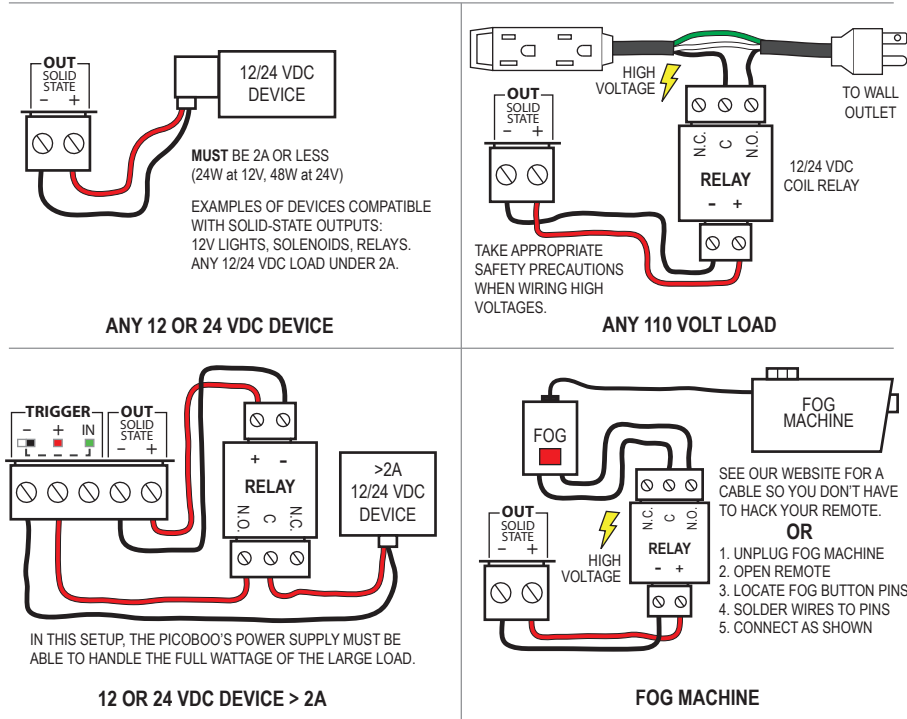
Your PicoBoo ONE's power supply must be 12 or 24 volts DC. The voltage of the device you want to control must match this voltage. The wattage rating of the power supply must be higher than the wattage required by the device connected to the output.

### Connections and Controls

Record Button	Tap this button to start recording animation. Tap it again to stop.
Status LED	The tri-color LED indicates the current status of the PicoBoo ONE. See <i>Operation</i> .
Output / Play Button	During recording, this button is used to activate the output. Otherwise it will start playback.
Power Input 2.1mm	Your 12 or 24 volt DC power supply should plug in here. The connector is a center-positive 2.1mm barrel connector.
Power Input / Trigger Terminal Block	Connect your trigger here. Connecting - to IN will trigger the unit. The - and + pins on this block are connected directly to the - and + on the barrel connector. Feel free to supply or borrow power here if it's more convenient.
Solid-State Output Terminal Block	This terminal block outputs 12 or 24 volts when the output is activated. The voltage output is equal to the voltage used to power the unit.

# Output Wiring

The PicoBoo ONE's output is solid-state, meaning it has no moving parts. Solid-state outputs are very reliable for controlling low-voltage devices. They cannot however be used to directly control high-voltage devices. Whatever voltage is used to power the PicoBoo ONE is switched through the output when it's activated. See below for some common wiring diagrams.



# Trigger Input Wiring

The PicoBoos are designed to work with low-voltage sensors or contact closures only. DO NOT use typical outdoor motion sensors found at local hardware stores. The PicoBoo will trigger when the IN terminal is connected to the GND terminal. As illustrated below, this can be accomplished in several ways. Note that this controller does NOT support normally-closed triggers.

