



## Basics

This APC PCB module is designed to be used with ease. The unit is a self-contained module only requiring a battery and connection to an amplifier. The battery power means it is safe to experiment with and with careful adjustment of the potentiometers (Pots) a wide range of fun and unique sounds can be created.

## Installation

To install the battery, angle the battery in to the battery box, with the connectors aligned to the correct +/- pins in the holder, once aligned press the battery down at the rear to lock it in place. See picture on back of this document for help with this.

Use a jack cable with a ¼" plug to connect the APC to an amplifier.

For first tests, remove the red shorting header, this will prevent the light dependent resistor being in circuit, and allow the basic sounds to be explored. Turn the unit on by moving the slide switch in the direction indicated on the PCB.

### **PLEASE NOTE:**

The PCB has bare connections on the bottom side, to prevent shorts, mount on an insulating surface such as plastic or wood

## Usage Notes

With the unit switched on and the amplifier also switched on some sound(s) should be heard. By rotating the pots the tone/frequency and duration of sounds can be changed and it will be found that operation of both pots at the same time can create some almost unique sound patterns.

**We advise moving the pots slowly as this allows the most range of sounds to be created.**

After getting familiar with these basic operations adding back the shorting header will allow the Light Resistor (LDR) to be part of the fun.

Experiment by waving a hand over this LDR and also moving the hand up/down to increase/decrease the amount of room/ambient light falling on the LDR.

Waving the hands over the LDR allows the APC to act a little like an optical Theremin.



Using a source of light such as a flashlight, shine light onto the LDR; this will increase the range of tonal changes that can be achieved.

Use of light and the LDR opens up more possibilities for experimentation, don't forget to also vary the Pots while using the LDR.

## Installing the Battery



Example of how to insert the battery into the battery box at an angle, remember to do this with the power switch in the off position.

Any issues or questions, please contact us via the contact information below.

## Specifications

**Controls:** Frequency x1  
Division x1  
LDRx1

**Connections:** Out – ¼" Jack

**Power:** +9 Volts DC Battery  
4mA

**Dimensions:** (W x D x H)  
2.75 x 2.5 x 1 Inches

**Weight:** 2Oz