Music IC

The music IC module contains sound-generation ICs and supporting components. It can play several musical tunes that are recorded in it. Its actual schematic is complex and looks like this:

![Schematic of Music IC](music IC schematic)

Its Snap Circuits connections are like this:

![Connections of Music IC](connections of Music IC)

**Music IC:**

(+): power from batteries
(-): power return to batteries
TRG: trigger control input
HLD: hold control input
OUT: output connection

Music for ~20 sec on power-up, then hold HLD to (+) power or touch TRG to (+) power to resume music.

This module has two different control inputs. The OUT connection pulls current into the module (not out of it), usually from a speaker. This current is adjusted to make the music. Snap Circuits projects 15 and 16 show how to connect this part and what it can do.

Alarm IC

The alarm IC module contains a sound-generation IC and supporting components. It can make several siren sounds. Its actual schematic looks like this:

![Schematic of Alarm IC](alarm IC schematic)

Its Snap Circuits connections are like this:

![Connections of Alarm IC](connections of Alarm IC)

**Alarm IC:**

IN1, IN2, IN3: control inputs
(+): power from batteries
(-): power return to batteries
OUT: output connection

Connect control inputs to (+) power to make five alarm sounds.

This module has three control inputs, and can make five siren sounds. The OUT connection pulls current into the module (not out of it), usually from a speaker. This current is adjusted to make the siren sounds. Snap Circuits project 17 shows a simple way to connect this part, and projects 113-117 show the connections needed to make the five possible sounds.