**Deluxe Receiver**

The Deluxe Receiver module (only in SCROV-50 Deluxe Snap Rover) is a combination of the RX1 R/C Receiver and U8 Motor Control IC modules shown on the preceding page. These modules were combined in one package to make room on the base grid for additional modules in Deluxe Snap Rover. The schematic looks like this:

![Schematic of Deluxe Receiver](image)

Its Snap Circuits connections are like this:

- **Deluxe Receiver:**
  - (+) - power from batteries
  - (−) - power return to batteries
  - LBUT - left button function (active low)
  - R But - right button function (active low)
  - L− - left backward motor drive
  - L+ - left forward motor drive
  - R− - right backward motor drive
  - R+ - right forward motor drive
  - ABC switch - selects radio channel

**Sound & Recording IC**

The Sound & Recording IC module (only in SCROV-50 Deluxe Snap Rover) contains an integrated recording circuit, a dual timer integrated circuit for making audio tones, microphone, speaker, filtering circuitry, and other supporting components including 24 resistors (2 are adjustable), 13 capacitors, 3 transistors and 4 diodes. Its schematic looks like this:

![Schematic of Sound & Recording IC](image)

Its Snap Circuits connections are like this:

- **Sound & Recording IC:**
  - (+) - power from batteries
  - (−) - power return to batteries
  - REC - recording control
  - TRG - main tone activation/disabled
  - SP - external speaker control
  - PLAY - play recording
  - 2TC - modulating tone control
  - 2TT - modulating tone activation/disabled
  - 2TO - modulating tone output
  - CONT - main tone control

Knobs: upper controls modulating tone lower controls main tone frequency

Red light: this is a recording indicator

**Disc Launcher**

The Disc Launcher unit (only in SCROV-50 Deluxe Snap Snap Rover) contains a complex electronic circuit to control when the loading and launching motors start up and shut down, and to flash the lights in the “eyes”. Its schematic is shown at left.

![Schematic of Disc Launcher](image)

Its Snap Circuits connections are like this:

- **Disc Launcher:**
  - (+) - power from batteries
  - (−) - power return to batteries
  - CONT - control input (active low)
  - EXT - external device control (active low)