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:

![Deluxe Receiver Schematic](image)

Its Snap Circuits connections are like this:

- **L BUT**
  - (+) - power from batteries
  - (–) - power return to batteries
- **R BUT**
  - (+) - left button function (active low)
  - (–) - right button function (active low)
- **L**
  - (+) - left backward motor drive
  - (–) - left forward motor drive
- **R**
  - (+) - right backward motor drive
  - (–) - right forward motor drive
- **ABC**
  - Switch - selects radio channel

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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:

![Sound & Recording IC Schematic](image)

Its Snap Circuits connections are like this:

- **REC**
  - (+) - recording control
- **TRG**
  - Main tone activation/disable
- **SP**
  - External speaker control
- **PLAY**
  - Play recording
- **2TC**
  - Modulating tone control
- **2TT**
  - Modulating tone activation/disable
- **2TO**
  - Modulating tone output
- **CONT**
  - Main tone control

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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.

![Disc Launcher Schematic](image)

Its Snap Circuits connections are like this:

- **EXT**
  - (+) - power from batteries
  - (–) - power return to batteries
- **CONT**
  - Control input (active low)
- **DL**
  - External device control (active low)