

# INTERNATIONAL INC.

## Exclusive Supplier of Maxon & Headline Radio Communication Products

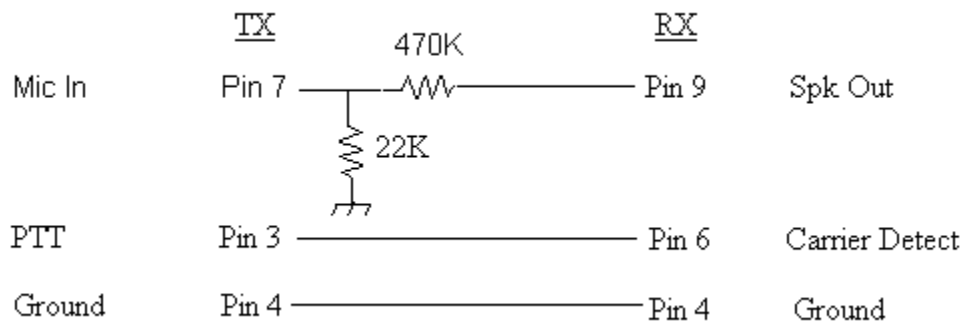
# SD-170 Series Repeater

Purpose: To create a simple 5W repeater using two data radios.

Date: 6-18-08

Cable (4 conductor )

## Cable Connectors are High Density DB-15 Male



## Programming & Features

1. Programming for both radios should be the same in the event of a radio failure. It may be possible to hot-swap the radios in the field.
2. "TX Tone Generation for Data Input" should be turned "on".
3. Time out timer can be set from 10s to 990s.
4. Don't enable TX delay. This will create an unwanted delay.
5. High/Low TX power. 5W or 1W.
6. CTCSS or DCS signaling.
7. V2, U1, and U2 bands available.
8. Narrow band or standard band operation.

## Tuning

1. Adjust the audio output on the RX radio for 640mV by tuning RV401. Wide band with 3kHz deviation in.
2. Adjust RV402 on the TX radio for 750Hz tone on wide band.
3. Adjust RV2 on the TX radio for 4.5kHz modulation, wide band.

Note: The amber led will always be on for the TX radio until it is in the TX mode. At that time it will be red.