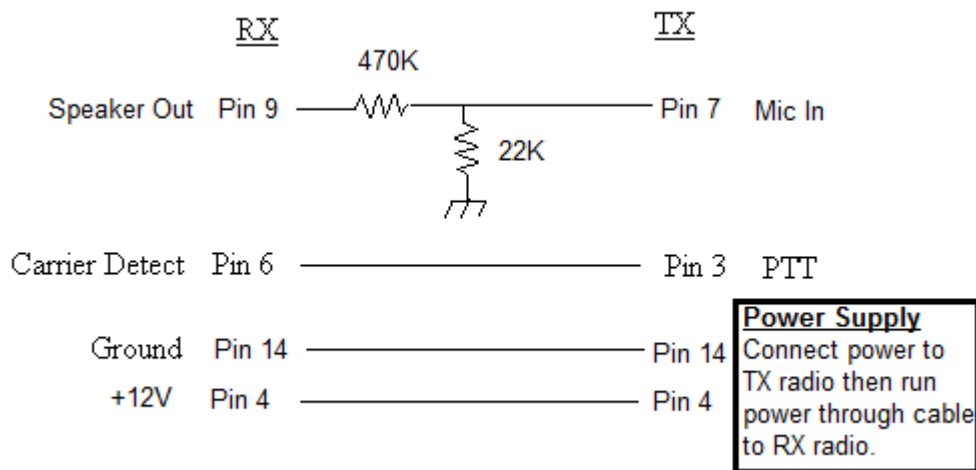


## SD-170E Series Repeater Cable

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

Date: 7-16-2012

Cable Connectors are High Density DE-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. High/Low TX power. 5W or 1W.
5. CTCSS or DCS signaling.
6. V2, U1, and U2 bands available.
7. Narrow band or standard band operation.

## Tuning

1. Adjust Speaker Out to 680mVRMS using 1.5kHz deviation narrow band and 3kHz deviation wide band.
2. Adjust tone deviation using RV402 on the TX radio for 400Hz narrow band and 750Hz wide band.
3. Adjust modulation using RV2 to 2.3kHz narrow band and 4.5kHz wide band.