

*Table 4. R\*I\*C\*K General Problems*

Problem	Possible Cause
R*I*C*K dead, green LED does not light when enable switch is depressed.	<ol style="list-style-type: none"> <li>1. "Receiver" radio not turned ON.</li> <li>2. Loose or bad cable from "receiver" radio to R*I*C*K.</li> <li>3. Open fuse, F1, in R*I*C*K.</li> <li>4. External supply not turned ON (if applicable).</li> </ol>
First part of message not repeated.	<ol style="list-style-type: none"> <li>1. The user must delay conversation to allow for delays in repeater and field radios from: <ol style="list-style-type: none"> <li>a. PL/DPL decoding.</li> <li>b. Requirements of signalling systems.</li> </ol> </li> <li>2. If using VOX: <ol style="list-style-type: none"> <li>a. User speaking too softly.</li> <li>b. Inadequate handset audio level from "receiver" radio.</li> </ol> </li> </ol>
In bi-directional repeater configuration, part or all of the reverse conversation not repeated.	<ol style="list-style-type: none"> <li>1. 0-second drop-out delay not selected (S2-11 not ON).</li> <li>2. The user must delay conversation to allow for delays in repeater and field radios from: <ol style="list-style-type: none"> <li>a. PL/DPL decoding.</li> <li>b. Requirements of signalling systems.</li> </ol> </li> <li>3. "Receiver" radio is operating in another repeater system and is keeping "transmitter" radio keyed during drop-out delay. Consult Radius Product Services for possible remedy.</li> </ol>
"Tinny" repeated audio (lacks low frequencies).	<ol style="list-style-type: none"> <li>1. Flat receive audio selected with microphone transmit audio. Check: <ol style="list-style-type: none"> <li>a. Position of JU551 in "receiver" radio.</li> <li>b. S2-5 and S2-6 in R*I*C*K.</li> <li>c. If bi-directional, position of JU551 in "transmitter" radio.</li> <li>d. If bi-directional, S2-8 and S2-9 in R*I*C*K.</li> </ol> </li> </ol>
"Bassy" repeated audio (lacks high frequencies).	<ol style="list-style-type: none"> <li>1. EIA de-emphasized receive audio selected with flat transmit audio. Check: <ol style="list-style-type: none"> <li>a. Position of JU551 in "receiver" radio.</li> <li>b. S2-5 and S2-6 in R*I*C*K.</li> <li>c. If bi-directional, position of JU551 in "transmitter" radio.</li> <li>d. If bi-directional, S2-8 and S2-9 in R*I*C*K.</li> </ol> </li> </ol>
PL/DPL signalling "passing through" R*I*C*K.	<ol style="list-style-type: none"> <li>1. Flat receive audio selected. See "'Tinny' repeated audio" above.</li> </ol>
PL/DPL signalling not "passing through" R*I*C*K.	<ol style="list-style-type: none"> <li>1. EIA de-emphasized receive audio selected. See "'Bassy' repeated audio" above.</li> </ol>
Undesirable squelch tails and noise transmitted during drop-out delay.	<ol style="list-style-type: none"> <li>1. Audio gate enabled with flat receive audio selected (S2-7 ON, should be OFF).</li> </ol>
Audio OK in repeater operation (between field radios) but noisy when using local microphone on a repeater radio.	<ol style="list-style-type: none"> <li>1. Flat audio has been selected. Select EIA de-emphasized/muted audio on repeater radios (JU551 on logic board of each radio must be in "B" position).</li> <li>2. If flat audio is selected, S2-7 in R*I*C*K should be OFF.</li> </ol>