

RLC-5 Software Changes

Changes in version 1.47 since V1.43:

- C Fixed a bug on the RLC-5 that kept it from IDing properly when and after the patch is used.
- C Fixed a bug that kept connected receivers that just stayed active (not keying or unkeying) from causing IDs. They would cause IDs when keying and unkeying.
- C Fixed a bug that caused the RLC-5's built in output line and four of the eight output lines on the optional I/O board (lines 5..8) to always be cleared on reset rather than to return to the state they were in before reset.
- C Fixed a problem that made the RLC-5 send D instead of * and # when dialing telephone numbers containing those digits. Can now dial *67 to suppress caller ID if you change your OF digit (at least temporarily) with command C078. For example you can specify a predial sequence of *67 with the following commands (entered from the main repeater port):

| | |
|-----------------|------------------------------------|
| C078*1D* | ; change EOF digit for port 1 to D |
| C115D200100*67D | ; set predial digits to *67 |
| C078D1*D | ; change EOF digit for port 1 to * |

- C Made sure that the DTMF digits are sent as documented with C033. They are 0..9A..D*#<pause>. They may have been in the wrong order with earlier versions.

Changes in version 1.43 since V1.35:

- C Fixed problem with start and clear timer commands (022 and 023) being swapped.
- C Messages sent with the audio routing variable set to 0 (such as in a macro after command C043 is executed) were still being generated (but not sent anywhere). This delayed the generation of tones that were actually sent. Fixed it.
- C Fixed a bug caused by not updating the xpt when a time out is cleared. When a port time out was cleared, its audio was not sent to other ports until a DTMF digit was sent, the other ports were kerchunked, or some other event occurred to cause their xpt to be updated.

Other notes:

- C The band numbers used with command C130 for Doug Hall's RBI-1 changed slightly with version 3.1 of the RBI-1 software. Also, Link Communications released an interface for the Icom IC-900 band modules, called the RLC-ICM. The old and new RBI-1 band numbers and the RLC-ICM band numbers are shown below:

| Band | Band Number (before RBI-1 Version 3.1) | Band Number (RBI-1 Version 3.1 or later) | Band Number (RLC-ICM) |
|---------|----------------------------------------|------------------------------------------|-----------------------|
| 140MHz | 02 | 02 | 02 |
| 220MHz | 03 | 03 | 03 |
| 430MHz | N/A | 00 | 00 |
| 440MHz | 04 | 04 | 04 |
| 1240MHz | 00 | 09 | 09 |
| 1250MHz | 01 | 01 | 01 |
| 1260MHz | 08 | 08 | 08 |
| 1270MHz | 05 | 05 | 05 |
| 1280MHz | 06 | 06 | 06 |
| 1290MHz | 07 | 07 | 07 |
| 28MHz | N/A | N/A | 10 |
| 50MHz | N/A | N/A | 11 |
| 150MHz | N/A | N/A | 12 |
| 160MHz | N/A | N/A | 13 |

Possibilities for future updates:

- C The ability to add DVR messages to more things, such as before the autopatch number readback, frequency readback for the remote base, and I/O board readings.
- C A command to use the DVR for a signal strength test.
- C Splitting the software into several varieties with the same basic functions, but with different options. The current variety with RBI-1 support will be one of the options. In place of the RBI-1 software, you may be able to choose HF support for Icom, Kenwood, or Yaesu radios or a clock and scheduler.
- C If you have bug reports or requests for future software versions, please let us know (in writing is best). If you have questions, call us at (406) 482-7515 or email linkcomm@netins.net.

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