Ritron Model(s):	DMR callbox Daughtercard RQXD-DMR-U
Current Firmware Revision:	9S110410
Revision Update:	2/20/2025

DMR callbox daughtercard RQXD-DMR-U firmware revision history:

9S110410 **released: 2/20/2025**

Fixed a problem that the callbox would not work properly with a Kenwood repeater, the symptom is that the callbox may frequently miss the receiving message from Kenwood repeater. This happened after a call was done and followed by the repeater shuts down, the callbox would not receive any further messages from the repeater within 15 sec.

9S110409 **released: 8/5/2022**

V9 fixes the following problems from v8:

1. The bootloader would periodically miss the first character during a DMR firmware update. This would cause the update process to crash.
2. Improve the bit-error-rate (BER) so that periodic audio drop-outs are significantly reduced. The following changes were made:
3. Disable CC1125 sync detection causing poor BER
    a. Limit the IF processor's, CC1125, AGC slew rate from 60db per step to 9db per step.
    b. Change the AGC window size.
    c. Fix the bootloader's mishandling of the OE flag.
4. Fix an 'Over the air alias' issue that was causing audio dropouts.

9S110408 **released: 04/11/2022**

Fixed potential lockup. In always on mode, if the unit is left for long time (from 20minutes to days), the callbox may not response portable radio call, until PTT button is pushed.

9S110407 **released: 02/21/2020**

Fixes garbling on Tx while end of Rx by initialize the circular buffer (once) on every data update to keep VCH packets received in the same order when sent to the AMBRE vocoder chip.

More stable DMR reception over a wider frequency range is implemented.

9S110406 **released: 12/14/2017**

Initial release.