Ritron Model(s):	LM-700DMR and RIB-700DMR
Current Firmware Revision:	**47.12**
Revision Update:	Feb 2, 2022

LM-700DMR and RIB-700DMR Firmware Revision and Update History

47.12   released: 9S1N4712.hex 2/2/2022

1) Fixed LED segment b and f display problem introduced in Ver 11.
2) Revert LED Segment b and f indicator, for RF carrier and decoded status, back to Ver 10, i.e. when field programming is disabled, segment b and f will NOT display carrier and decode status, same as Ver 10 for this item. The display issue when field programming is disabled will be fixed in a later revision due to the complexity of the firmware necessary for this change.

47.11   released: 9S1N4711.hex 1/24/2022

1) Fixed a hang situation. During continues receiving, if the transmitter changed the destination ID and changed it back, the firmware will run into an endless loop and the unit will hang until reboot.
2) The LED Segment b and f will display RF/Signal decoded status even when field programming is disabled.

47.10   released: 9S1N4710.hex 9/30/2021

Fixed a problem when a valid data stream is interrupted (such as blocked by another strong signal randomly), the unit may unexpectedly activate relay for a short time and then enter the "record and play" mode, starts to record live message into buffer and play it. The reason is that the interrupted data package caused a pointer pointing to an invalid state. This is fixed in Ver **9S1N4710**.
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47.09   released: 9S1N4709.hex 8/18/2021

Fixed 1030Hz test tone drop out.

47.08   released: 9S1N4708.hex 10/23/2020

Fixed a short pause problem in append mode when works with DMR repeater.

If in append mode and receiving through a DMR repeater, the playback will pause for short time, during the pause the LM/RIB-700DMR enters record mode due to the repeater sends some packets to indicate that the repeater is shutting down. This fix will only allow voice packets with a link control opcode of 0, 3 (Group & Individual), 4-7 (alias) and 8 (GPS) go through and filters out the non-voice packages.

47.07   released: 9S1N4707.hex 6/1/2020

Fixed a problem that after a message is played, record and play function stops working.

The problem was caused by codec was accidentally shutdown after a message playback. It is fixed in this version.

47.06   released: 9S1N4706.hex 1/16/2020

Fix a problem that voice is interrupted by non-voice package

Changed firmware variables to agree with the check box labels on the Global Options Tab in the RITRON LM-DMR-PCPS program.

47.05   released: 9S1N4706.hex 10/23/2019

Fix a problem that only 500 Hz pre-tone works in switch messages.

Reversed Interrupt mode Enable Logic, polarity was backwards in firmware implementation.

47.04   released: 9S1N4704.hex 9/11/2019

Add a protection to avoid programming process is interrupted by live signal.

When sending message from programmer, disable CMX interrupts so no live signal can interfere. Re-enable when 'Playback Finished' sent.