Firmware Release Note

Equipment: RWC2100F, Analog Radio Tester

Revision History

Version	Date	Description
Version 1.076	23 Oct.2026	1. Fixed a bug where the CONF:FM_TX:EON_PS_NAME command did not work. 2. Removed the automatic SNR measurement for audio input, along with the related remote commands (READ:AUDIO:SNR_L? and READ:AUDIO:SNR_R?). SNR is now determined by comparing the audio level with and without a signal present.
Version 1.075	11 June.2026	1. Just version up
Version 1.074	19 June.2026	1. Fixed an issue where RDS and the 19 kHz pilot tone were not being turned OFF as expected when FM mono was set. 2. Fixed an issue where the remote commands CONF:SYSTEM:IP_ADDR and READ:SYSTEM:IP_ADDR? were not working.
Version 1.073	03 June.2026	1. In the FM RDS EON test, the Target Channel's Program Type now automatically changes to match EON_PTY when EON_SWITCH is turned ON. 2. Previously, Group 14B was transmitted 3 times when EON_SWITCH was turned ON, and not transmitted at all when turned OFF. In this version, Group 14B is now transmitted continuously while EON_SWITCH is ON, and when EON_SWITCH is turned OFF, it sets EON_TA to OFF and EON_PTY to 0 (default), then transmits Group 14B 5 times before stopping.
Version 1.072	29 May.2026	1. Added functionality to read the file list downloaded on the device in JSON format at once. 2. There was an issue where EON TA was not set to OFF when EON SWITCH was turned OFF, preventing the system from returning to the original channel. This has been fixed so that when EON SWITCH is set to OFF, EON TA is also set to OFF.
Version 1.071	11 May.2026	1. Improved to allow PTY value configuration when EON Switch is turned ON.

Version 1.070	15 Apr.2026	1. Previously, during FW upgrade, the system performed a CRC check after download, wrote to flash memory, and terminated. In this case, if the downloaded data became corrupted during the write process, the system could fail to boot properly. The process has been improved to perform an additional CRC check after writing to flash memory. If the written binary is corrupted, the system now automatically switches to Emergency upgrade mode.
Version 1.063	15 Mar.2026	1. Added *SAVE and *RECALL remote commands. This feature allows users to save and recall up to 10 user configurations using SAVE_00 through SAVE_09. 2. Fixed the bug where the RWC2100F could freeze due to a file system error when an RDS file and audio file were transmitted simultaneously.
Version 1.062	15 Dec.2025	1. In the Tag type values, two RFU entries and three Private entries were defined using identical names. To properly distinguish these values, we have renamed them as follows: RFU_1, RFU_2, PRIVATE_1, PRIVATE_2, PRIVATE_3.
Version 1.061	23 Oct.2025	1. Added DI (Decoder Identification) variable to FM RDS mode. It indicates different operating modes to switch individual decoders on or off and to indicate if PTY codes in the transmission are dynamically switched. 2. Enhanced the system so that RDS now supports up to four simultaneous Tag information entries, an increase from the previous limit of two. 3. Added variables that allow the user to set the item toggle bit and item running bit when transmitting RDS Tag information.
Version 1.054	07 July.2025	1. The UDP Event Port number has been changed to 52100. 2. Fixed an issue where the ALC value could fail to be set when configuring the Power level during a Recall operation.
Version 1.052	20 Mar.2023	1. Setting PS_NAME using a remote command (CONF:FM_TX:PS_NAME) may set the length of the string incorrectly. It is fixed. 2. Power settings using the Service Linking App may not work properly if the power unit was set to dBuV in the previous settings. It is fixed.
Version 1.051	21 Feb.2023	1. Added dBu measurements to Audio Analyzer.
Version 1.050	12 Jan.2023	1. Added RMS and Pk-Pk measurements to Audio Analyzer.

		2. Added weighted filters (OFF, A_WEIGHT, C_WEIGHT, CCIR) to Audio Analyzer.
Version 1.041	12 Dec.2022	1. Added External Audio input gain parameter. 2. Fixed noise power calculation bug for SNR measurements.
Version 1.040	02 Dec.2022	1. Added External Audio input function for FM&AM TX. 2. File download speed has been improved. 3. Added function to play all files one by one. 4. Reduce screen save refresh rate to reduce processing power in screen save mode.
Version 1.022	29 June.2021	1. On FM RDS, the TA (ON) of the 14A group should be set to the same value as the TA of the target channel, but it is always set to 1. This bug is fixed. 2. Content resetting was unstable, which could cause music transfer to stop. This bug was improved. 3. Increased content download retransmission timeout for stable download. 4. Added “*RST” remote command for the default setting.
Version 1.021	30 May.2021	1. A multi-channel power setting remote command is added.
Version 1.020	10 Sep.2020	1. The FM TX Pilot deviation unit can be selected between kHz and %. 2. Added a function to boot with the setting saved by the user. 3. Improved display test results such as SINAD on the LCD screen while running the Tester's Audio Analyzer without interoperating with the PC program.