

Equipment : RWC2010M, Digital Radio Tester

Revision History

Version	Date	Description
Version 1.037	17 Jan.2025	<ol style="list-style-type: none"> Added External Audio input function to FM/AM. This function modulates and transmits audio input through the audio input AUX port on the rear panel to FM or AM in real-time.
Version 1.036	23 Sep.2024	<ol style="list-style-type: none"> There was an issue where the remote control would occasionally stop working when using the UART port. It has been resolved. There was a problem where the length information of the label variable was not saved when saving and recalling settings, so the label was not transmitted properly.
Version 1.035	10 Sep.2024	<ol style="list-style-type: none"> The AM band's lowest frequency was changed from 150 kHz to 149 kHz. Added encrypted ETI/MDI file transfer function.
Version 1.034	30 July.2024	<ol style="list-style-type: none"> Added parameter to determine whether to check AF CRC or not when transmitting MDI file Added remote command for MDI CRC Check <ul style="list-style-type: none"> - CONF:ETI:CONFIG:AF_CRC_CHECK - READ:ETI:CONFIG:AF_CRC_CHECK?
Version 1.033	10 June.2024	<ol style="list-style-type: none"> Added left/right audio separation measurement function to the audio analyzer. Added remote command to read audio separation result. <ul style="list-style-type: none"> - READ:AUDIO:SEPARATE_L? - READ:AUDIO:SEPARATE_R?
Version 1.032	28 April.2024	<ol style="list-style-type: none"> Add remote command to set SLS content on the DAB PAD channel. <ul style="list-style-type: none"> - CONF:DAB:COMPONENT:PAD_SLS_CONTENTS - READ:DAB:COMPONENT:PAD_SLS_CONTENTS? Added function to select and execute the RECALL with remote control box. FM Filter performance has been improved to remove spurious noise. They are improved to match the phase when the left and right audio signal frequencies of FM Stereo are the same.

Version 1.031	23 Feb.2024	<ol style="list-style-type: none"> 1. Improved to allow multiple remote commands. Each command is separated by a semicolon.
Version 1.030	30 Jan.2024	<ol style="list-style-type: none"> 1. When transmitting content, the method changed from infinitely repeated reading from EMMC memory to transmitting by reading it only once and copying it to DDR memory. 2. Fixed a content structure memory overflow bug that could cause unstable behaviour when transmitting RDS content. 3. The FPGA DLL Clock was improved because it was unlocked very occasionally.
Version 1.020	30 Dec.2023	<ol style="list-style-type: none"> 1. The EON_PTY parameter is added to signal to the receiver the start of a programme item carrying a NEWS, WEATHER or ALARM announcement in FM RDS. 2. Add the remote commands to read audio analyzer waveform data. <ul style="list-style-type: none"> - READ:AUDIO:SCOPE_WAVE_L? - READ:AUDIO:SCOPE_WAVE_R? - READ:AUDIO:SPECTRUM_WAVE_L? - READ:AUDIO:SPECTRUM_WAVE_R? 3. In FM Wave mode, audio distortion occurred due to an audio buffer index error, so this was improved.
Version 1.010	10 Aug.2023	<ol style="list-style-type: none"> 1. Fixed an issue where the signal was disconnected during DRM+ transmission. 2. Added quasi-peak detector function to Audio Analyzer. 3. Added Path_loss Parameter. 4. Added parameter for remote command delimiter option to select delimiter among LF, LR, LF+LR. 5. Fix the bug in "CONF:SETUP:TESTER_MODE" remote command. It couldn't change between AM and FM modes. 6. In DRM mode, the OFDM window function was incorrectly applied, creating a spurious signal in the spectrum. This bug is fixed. 7. The EON_AF parameter is set to an incorrect value in FM RDS. It is fixed. 8. There was a problem that the magnitude of the OFDM symbol changes during DRM+ transmission, so it was corrected.