

Willtek 2303 Stabilock TETRA Mobile Station Tester

Release Notes – Firmware Version 1.50

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1. Overview

The file "Stabilock2303_1.50.0001.tar.zip" contains the firmware version 1.50 for the Stabilock 2303 TETRA Mobile Station Tester. Do not modify this file!

2. Prepare for installation

To install the new 2303 firmware, you need a USB flash drive ("USB memory stick") or an FTP server to transfer the files from a PC to the instrument.

Willtek recommends using the USB flash drive delivered with the instrument for the update process.

The 2303 has its own embedded update wizard. There is no software installation on a PC necessary.

Ensure that the 2303 and the connected PC or notebook are powered from an external power supply during the complete update procedure. The update will not start if the battery charge warning icon is displayed.

ATTENTION:

Avoid interrupting the update process! Do not start the update if the unit is battery powered!

3. 2303 firmware update procedure

1. Download the "Stabilock2303_1.50.0001.tar.zip" file to your local PC or notebook.
2. Extract the ".zip"-file. It contains a ".tar"-archive file with update information which can be processed by the 2303's embedded computer.
3. Copy the file "Stabilock2303_1.50.0001.tar" to the USB flash drive you just prepared.
4. Disconnect the USB flash drive from the PC and connect it to the 2303.
5. Switch on the instrument and wait until the start screen comes up. Press the left softkey two times to select first "Setup" and then "Update Manager".
6. Check the "Available Versions" field in the 2303 screen, and wait for "1.50.0001" to appear or select this version from the list of versions on the drive.
7. Press "Verify" on one of the softkeys and wait until the single software modules are checked. After this check is finished, the softkey function will change to "Install".
8. Press "Install" to start the update process.
----- Avoid interrupting the update process! -----
9. After the individual firmware modules have been updated, the instrument prompts for reboot. Press the "Reboot" softkey and wait for the unit to reboot with the new firmware version.

4. Important note

Do not downgrade to an earlier firmware version after version 1.50 has been installed!

5. Technical assistance

If you need assistance or have questions related to the use of this product, call one of Willtek's regional technical assistance centres.

Europe, Middle East, Asia, Africa

Phone: +49 (0)89 99641 311

Fax: +49 (0)89 99641 440

Americas

Phone: +1 973 386 9696

Fax: +1 973 386 9191

You can also contact Willtek by e-mail at customer.support@willtek.com.

6. 2303 Stabilock firmware release history

Version 1.50

New features

- Measurements of non-synchronous bursts in Gen/Ana-Mode
- Flexible definition of DGNA text
- Gen/Ana frequencies can be set in 250 kHz steps
- UPPPERCASE / lowercase selection in text input fields

Improvements

- Default power class = 4
- T1-Testmode: Timeout in measurement does not start
- Stabilock SSID is changed, If equal with DUT SSID
- Option key calculation modified
- DEBUG mode is automatically deactivated when restarting the instrument

Version 1.40

New features

- Reverse frequency operation
- Group report menu
- Display of RF power in watts
- NFS client (2303) / server (PC) connection
- New Willtek logo and colour scheme

Improvements

- New Paging Sensitivity Test routine
- Improvement of the generator signal quality
- Stand-alone DMO limits
- Group calls only possible if a group is selected
- SCPI – CONF:CSYS now supports *WAI and *OPC? commands
- SCPI – Frequency Error measurement corrected (if higher than 327.67 Hz or lower than –327.68 Hz)

Version 1.30

New features

- All functions remote-controllable via TCP/IP and RS-232 with SCPI command set
- French language supported

- Display of TEI, power class and receiver class in TT mode
- Autorange function for pointer instruments

Improvements

- RF power step 7 value is now saved correctly
- Power/time template in DMO corrected

Version 1.20

New Features

- 2330 TETRA Direct Mode (DMO) Option
- Bit error rate measurement with T1 and TT RF loopback
- New voice loopback and test tones

Improvements

- New parameter layout for Setup menus
- "Configuration Manager" renamed and improved to "File Manager"
- Auto-detection for external synchronization improved
- New status icons for call types
- New service Information menu
- Bugfix: integrity of channel systems in Autotest improved
- Bugfix: access parameters changed

Version 1.10

New features

- 2331 Autotest option supported
- Full 80 dB power-time template supported
- New Configuration Manager
- PASS / FAIL determination for all measurements
- Averaging can be defined in "Settings"
- LCD backlight can be set

Improvements

- Line break in SDS receive fixed
- DGNA group name corrected
- MCCH to TCH transfer with certain mobiles fixed
- "Class of MS" display fixed

Version 1.00

Initial version.

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