

Aeroflex 2300 Series Stabilock® TETRA Test Sets

Release Notes – Firmware Version 2.11

Table of Contents

1. Overview.....	1
2. Prepare for installation	1
3. 2300 Stabilock® series firmware update procedure	2
4. Important note	2
5. Technical assistance	2
6. 2300 Stabilock® series firmware release history	3

1. Overview

The file "Stabilock2303_2.11.0001.tar.zip" contains the new firmware for the 2303 Stabilock TETRA Mobile Station Tester and the 2305 Stabilock TETRA Test Set. Do not modify this file!

2. Prepare for installation

To install the new 2300 Series firmware, you will need a USB flash drive (memory device) or an FTP server to transfer the files from a PC to the instrument.

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

The 2303 as well as the 2305 have their own embedded update wizard. Software installation on a PC is NOT required.

Ensure that the 2300 and the connected PC or notebook are powered from an external power source during the entire update process. 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. 2300 Stabilock® series firmware update procedure

1. Download the "Stabilock2303_2.11.0001.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 2300's embedded computer.
3. Copy the file "Stabilock2303_2.11.0001.tar" to the USB flash drive.
4. Disconnect the USB flash drive from the PC and connect it to the 2300.
5. Switch on the instrument and wait until the start screen comes up. Push the left softkey twice to select Setup > Update Manager.
6. Check the "Available Versions" field on the 2300 screen, and wait for "2.11.0001" to appear or select this version from the list of versions on the drive.
7. Push "Verify" (one of the softkeys) and wait until the individual software modules are checked. When this check is finished, the softkey function will change to "Install".
8. Press "Install" to start the update process.
---- Avoid interrupting the update process! Leave the instrument powered on! ----
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.
---- Do not remove the USB flash drive while the update is running! ----
10. Depending on the range of installed features, the update may continue after reboot. In this case, the update manager will continue installing files and prompt for a second reboot.
11. The update process is finished as soon as the start screen with the Aeroflex logo shows up. The USB flash drive can now be removed securely. The 2300 series instrument is now ready for operation with the new firmware.

4. Important note

Do not downgrade to an earlier firmware version after version 2.11 has been installed!

5. Technical assistance

If you need assistance or have questions related to the use of this product, call the Aeroflex technical assistance centres.

Aeroflex Germany Support

Phone: +49 (0)89 99641 311

Fax: +49 (0)89 99641 440

6. 2300 Stabilock® series firmware release history

Version 2.11

New features

- Base Station Remote Control Option
- Base Station Autotest
- Extended Frequency Range up to 475 MHz
- Constellation display – New trace mode « Accumulated »

Improvements

- Bugfix for Update Manager via FTP

Version 2.00

New features

- Support for the new model 2305 Stabilock® TETRA Test Set
- Base Station Test Option for 2303 and 2305
- Bidirectional slot and frame trigger interface
- Duplex spaces can be defined freely
- DMO burst measurement in Analyzer mode
- Screenshots over embedded web server

Improvements

- SDS text input field can have multiple lines
- Error in Sepura test program fixed
- Left/Right keys for selecting input field

Version 1.50

New features

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

Improvements

- Default power class = 4
- T1 Test Mode: 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

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.

Copyright © 2011 Aeroflex GmbH