

Firmware for K&F TOPAS

Firmware: Rev. 1.3.2

IMPORTANT: For an update from a firmware lower than 1.0.2 (SVN836 / 22 February 2012) you will have to note all saved settings and apply them again by web interface afterwards.

IMPORTANT: For an update from firmware 1.1.4 (SVN919 / 03 July 2012) or older you will have to update to version 1.2.1 before you can update to any later version.

Installation:

- 1 Make sure that TOPAS is in standby-mode.
- 2 Open the web interface of TOPAS.
- 3 Change to the site "Setup >> updates".
- 4 Load the provided firmware update file with ending ".fwu".
- 5 Loading may take a few minutes
- 6 Restart TOPAS by clicking on "Reboot".
- 7 Restart your browser software.

If the update was not successful:

- 1 Reload the site "Setup >> updates".
- 2 Restart the update with step 1 of installation.

If the second update attempt fails too, the firmware update file may be corrupt. Please contact your Kling & Freitag dealer.

Changelog

Firmware

Version 1.3.2 (13. Januar 2016)

New Loudspeaker-Presets: „Passio Sub 12“, „Passio Sub 15“

New Loudspeaker-Presets-Version: „B5“, „B10“, „Scena15 1Ch FR“, „Scena15 1Ch LCut“, „Scena15 2Ch HF FR“, „Scena15 2Ch HF LCut“, „Scena15 2Ch LF FR“, „Scena15 2Ch LF LCut“, „SW112“, „SW115E“, „SW215E“

Firmwareupdate: Bugfix in the Currentlimiterfunction (FW < 1.3.2: no protection of the main-fuse by the Currentlimiter in the bridge-mode)

Version 1.3.1 (23. September 2014)

New Loudspeaker-Presets: „Gravis12-XW (FR)“, „Gravis12-XW (Lcut)“, „Gravis15-XW (FR)“, „Gravis15-XW (Lcut)“, „NomosLS+Gravis12-XW“, „NomosLS+Gravis8-W“

New Loudspeaker-Presets-Version: „Gravis12-N (FR)“, „Gravis12-N (Lcut)“, „Gravis12-W (FR)“, „Gravis12-W (Lcut)“, „NomosLS+Gravis12-N“, „NomosLS+Gravis12-W“, „Access High“, „Access Mid Clus“, „Access Mid Sngl“

Version 1.3.0 (01. August 2014)

New Loudspeaker-Presets: „Gravis15N (FR)“, „Gravis15N (Lcut)“, „Gravis15W (FR)“, „Gravis15W (Lcut)“, „Nomos LS2“, „Nomos LS2 (60Hz)“, „Nomos LS2 (C-F)“, „Nomos LS2 (C-F60Hz)“, „Nomos LS2 (C-R)“, „Nomos LS2 (C-R60Hz)“, „Nomos LS2 (H-F)“, „Nomos LS2 (H-F60Hz)“, „Nomos LS2 (H-R)“, „Nomos LS2 (H-R60Hz)“, „Nomos LT“, „Nomos LT (60Hz)“, „Nomos LT (C-F)“, „Nomos LT (C-

F60Hz)", „Nomos LT (C-R)", „Nomos LT (C-R60Hz)", „Nomos LT (H-F)", „Nomos LT (H-F60Hz)", „Nomos LT (H-R)", „Nomos LT (H-R60Hz)", „Nomos XLS", „Nomos XLS (60Hz)", „Nomos XLS (C-F)", „Nomos XLS (C-F60Hz)", „Nomos XLS (C-R)", „Nomos XLS (C-R60Hz)", „Nomos XLS (H-F)", „Nomos XLS (H-F60Hz)", „Nomos XLS (H-R)", „Nomos XLS (H-R60Hz)", „Nomos XLT", „Nomos XLT (60Hz)", „Nomos XLT (C-F)", „Nomos XLT (C-F60Hz)", „Nomos XLT (C-R)", „Nomos XLT (C-R60Hz)", „Nomos XLT (H-F)", „Nomos XLT (H-F60Hz)", „Nomos XLT (H-R)", „Nomos XLT (H-R60Hz)"

New Loudspeaker-Presets-Version: „GRAVIS12-N+ (FR)", „GRAVIS12-N+ (LCut)", „GRAVIS12-W+ (FR)", „GRAVIS12-W+ (LCut)", „Nomos XLC", „Nomos XLC (60Hz)", „Nomos XLC (C-F)", „Nomos XLC (C-F60Hz)", „Nomos XLC (C-R)", „Nomos XLC (C-R60Hz)", „Nomos XLC (H-F)", „Nomos XLC (H-F60Hz)", „Nomos XLC (H-R)", „Nomos XLC (H-R60Hz)", „Sequenza10B", „Sequenza10B (60Hz)", „Sequenza10B (C-F)", „Sequenza10B (C-F60Hz)", „Sequenza10B (C-R)", „Sequenza10B (C-R60Hz)", „Sequenza10B (H-F)", „Sequenza10B (H-F60Hz)", „Sequenza10B (H-R)", „Sequenza10B (H-R60Hz)", „Sequenza10N LF (FR)", „Sequenza10N LF (Lcut)", „Sequenza10N LF/HF (FR)", „Sequenza10N LF/HF (LCut)", „Sequenza10W LF (FR)", „Sequenza10W LF (Lcut)", „Sequenza10W LF/HF (FR)", „Sequenza10W LF/HF (LCut)", „Sequenza5W (FR)", „Sequenza5W (LCut)", „Sequenza5B"

Version 1.2.7 (17. June 2014)

New Loudspeaker-Presets: „Gravis8W (FR)", „Gravis8W (LCut)"

Version 1.2.6 (03. March 2014)

New Loudspeaker-Presets: „CA1201 (FR)", „CA1201 (2Way)"

Version 1.2.5 (04. November 2013)

Bugfix for invert Phase: If invert Phase is selected, the current Channel Gainsettings (Gain, Group Gain) will not discarded.

Version 1.2.4 (24. September 2013)

Bugfix for missing Loudspeaker-Presets: The since Version 1.2.0 missing Loudspeaker-Presets „SW118E", „SW215E" and „SW215E (SEQ 60Hz)" are selectable again.

Version 1.2.3 (15. Juli 2013)

New Loudspeaker-Presets: „Sona6 (FR)", „Sona6 (LCut)", „Sona8 (FR)", „Sona8 (LCut)", „Sona SUB 2" New Loudspeaker-Presets-Version: „Nomos XLC (C-R)", „Nomos XLC (C-R 60Hz)", „Nomos XLC (H-R)", „Nomos XLC (H-R 60Hz)"

Version 1.2.2 (30 May 2013)

Improved limiting function when operating with 2 and 4 Ohm loads in „Dual Channel Mode".

Version 1.2.1 (09 April 2013)

Firmwareupdate: Bugfix for version check (version 1.2.0 was rejected by version 1.1.4 or earlier)

Version 1.2.0 (05 April 2013)

Webinterface: Info and menu area improved

New "PRIO-Audio-Mode"

New Loudspeaker-Presets: „GRAVIS12-N+ (FR)", „GRAVIS12-N+ (LCut)", „GRAVIS12-W+ (FR)", „GRAVIS12-W+ (LCut)", „Nomos LS + GRAVIS12-N+", „Nomos LS + GRAVIS12-W+", „Sequenza5W (FR)", „Sequenza5W (LCut)", „Sequenza5B"

Protection against undefined behavior when internal buffer overflow occurs via firmware reset.

Binary display for fan status instead of rounds per minute: OK or ERROR

Changes in XML-protocoll of file './rest/ro/status/status.xml': 'ConfigChangeld', 'Fan', 'GPI', 'GPO', 'Gain-Controller'

Adoptions for potential free GPOs on GPO 3 and 4 on newer TOPAS-Amplifiers.

AES/EBU-Input has to be enabled by password on newer TOPAS-Amplifiers.

Suppression of transients while applying 'Switchable Filter'

Limit Gain-Parameter of Shelving-Filters to max. +18 dB. Values above +18 dB can cause unstable filters.

GPOs: Bugfix for wrong output in Protect-Mode for „system ready"-Action, new „AES-EBU/Analog"-Event and new „PRIO-Audio"-Event

GPIs: Bugfix for actions with inverted binary logic, Hysteresis for actions with binary logic (HIGH-threshold = 3.0V, LOW-threshold = 1.5V), new „PRIO-Audio“-Action
Static Network Addressing: Permit only private Class A/B/C networks and Link-Local

Version 1.1.4 (SVN919 / 03 July 2012)

GPIs and Volume controls on front panel: fix for Gain discontinuities,
Reboot button at firmware update page: fix for bug in version 1.1.3, button did not work.

Please restart the TOPAS after update from version 1.1.3 not by reboot button but by disconnecting main power, waiting a moment and reapplying main power again!

Version 1.1.3 (SVN889 / 12 June 2012)

GPIs and Volume controls on front panel: extended Gain-Range from -96 to 0 dB to -96 to +24 dB

Version 1.1.2 (SVN882 / 26 April 2012)

GPIs: Group-Gain
GPIs: Analog to AES/EBU switching
GPIs: option to invert logic
Optimized communication with webinterface
Download of XML-backup-files
Wrong error messages at update and network setup fixed

Version 1.1.1 (SVN870 / 12 April 2012)

web interface: colored status displays
web interface: status displays for limiter and clipping

Version 1.1.0 (SVN862 / 03 April 2012)

new internal data format for stored settings: not compatible to version 1.0.2 (SVN836 / 22nd February 2012) and before (see above)
protection function for device fuse
transient rejection on change of filter settings
optional phase-inversion of audio signal

Version 1.0.2 (SVN836 / 22 February 2012)

changed Channel-Gain default value to -40dB

Version 1.0.1 (SVN835 / 21 February 2012)

filter: HP-1st, HP-2nd and LShelf for Channel-Filter 2-4 enabled
bugfix on limiters

Version 1.0.0 (SVN834 / 17 February 2012)

initial release

Contact

P: +49 (0)511 / 96 99 7-0
F: +49 (0)511 / 67 37 94
e-mail: info@kling-freitag.de
internet: www.kling-freitag.de