

# MERGING+ANUBIS



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Release Notes

[www.merging.com/anubis](http://www.merging.com/anubis)

# MERGING ANUBIS

## MERGING+ANUBIS FIRMWARE

Latest certified Firmware and Maintenance modes are distributed by Merging in the Anubis download section. <https://www.merging.com/anubis/download>

Verify your Anubis Firmware version and Maintenance mode version by going to the Anubis under Settings>Info. You should see the Firmware version number such as v1.0.9b39588 and the Maintenance mode version. Merging releases new firmware frequently for Anubis.

Refer to the Anubis User Manual Firmware Update section in order to proceed with a Firmware update, or consults our online documentation.

[MERGING+ANUBIS Firmware Update Procedure](#)

*Note: There are two types updates possible. Either the Anubis Firmware update (frequent releases) or the Maintenance Mode update (un-frequent releases but mandatory for some firmware).*

Anubis Support Download Section (for Drivers, Apps and Firmwares links)

<https://www.merging.com/anubis/download>

### Under development / Not yet Supported

- Anubis Music+Mission
- Ambisonic support

## ANUBIS FIRMWARE UPDATES HISTORY

### Fixed in Firmware version 1.1.14.46699 – Release Date: 25.02.2021

*Important: Requires ANEMAN 1.2.2 and Above.*

- Fixed. Bass Management EQ not always applied
- Fixed. Bass Management issue with routing
- Fixed. LFE Boost not always disabled / applied
- Fixed. Randomly the RAVENNA sources can become muted or generate a High Frequency noise, requiring a reboot to solve.
- Fixed. PreAmps Boost parameter if active on Combo 1 can cut the Built-in talkback input signal
- Fixed. Potential RAVENNA noise issue when mixing up streams of 8 channels and 2 channels

### Fixed in Firmware version 1.1.12b45672 – Release Date: 19.11.2020

*Important: Requires ANEMAN 1.2.2 and Above.*

- New. GPIO "Momentary" mode which pulses the output each time an action is changed
- New. Support for 18 presets internally (used to be 5)
- New. New "Relax Check" option under the Advanced Pages for Sinks to accept source of less channels
- Fixed. At times the Anubis is no longer discovered by MTDDiscovery or ANEMAN
- Fixed. Overtime Potential crash of the Anubis application due to a memory leak
- Fixed. Bass Management: LFE Boost now affects LFE channel only
- Fixed. GPIO and MIDI selection problem
- Fixed. Potential Anubis memory leak causing asserts
- Fixed. GPO not triggered by speakerset change when configured
- Fixed. Issue where EQ enabling was conflicting with Bass Management
- Fixed. High noise level measured not audible on Dual PreAmps input

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- Fixed. Pasting EQ Curve deletes Bass Management Hi Pass Curve
- Fixed. Flat a Monitor EQ having Bass management can remove a frequency band
- Fixed. Mono downmix now will affect subs in case of x.2 speakerset format
- Fixed. Anubis SPS random discovery issue.
- Fixed. AoIP listener parameters are now restored (start/reboot) except the routing
- Change. The Anubis default Colling Mode is now MID fan mode.

## Fixed in Firmware version 1.1.8b44345 – Release Date: 30.07.2020

*Important: Requires ANEMAN 1.2.2 and Above.*

- New. Anubis SPS, along with ST 2022-7 support
- New. NMOS (IS-04 and IS-05) Support .For more details on NMOS click [here](#)
- New. EQ for Monitors
- New. Anubis Settings available from Web Access
- New. Sources & Monitors ordering can now be changed from their respective settings page
- New. Maintenance mode now embedded into the firmware update. Users no longer need to perform potential Maintenance Mode Updates.
- New. Anubis Virtual Keyboard (rename Source, Monitors and Presets from Anubis TFT)  
Refer to the latest Anubis User Manual for more details
- New. Speaker Set Support: Such as 9.1 - 7.1.6 - 9.1.2 - 9.1.2 - 9.1.4 - 9.1.6.  
Stereo 2.2, Custom 5.2 and Custom 7.2.4
- New. 3 channels set type have been added for Sources and Stream Listeners:
  - 8 Center channels: CCCCCCCC
  - 4 Stereo channels: LRLRLRLR
  - 2 Center channels: CC (not available for stream listener that is fixed to 8 channels)
- New. SSM: use/provide source-filter SDP attribute
- New. Anubis missions hosting and changes to the home page
- Improvement. Advanced pages added upload/download configuration from advanced pages
- Improvement. Validate subnet mask provided by user
- Fixed. Anubis: Delete all connections will blank out the Anubis PreAmps page momentarily
- Fixed. Anubis Settings>Monitor Trim (main) positive values going above limitation
- Fixed. Speaker set changes with Bass management - LFE fade in/out is now cleaner
- Fixed. Anubis Split Channels can at times have their Gain stuck on a value
- Fixed. Anubis high CPU consumption if in Settings>Trigger you enable MIDI and both Talks to button and use Auto-Latch
- Fixed. Deleting Speaker Set could crash the Anubis Monitoring engine
- Fixed. PTP Master/Slave status not properly reported in TFT (Settings and Status bar)
- Fixed. When changing IP settings; UI shows old values in the web access
- Fixed. NMOS issue causing potential hang
- Fixed. Anubis mixer transparency issue.
- Fixed. Occasional one sample click on Combo 1 input
- Fixed. possibility to downgrade trunk firmware to previous one

*Engineering change. Bass Management restricted to 12dB slope, refer to Manual for details*

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## ANUBIS FIRMWARE UPDATES HISTORY

### Fixed in Firmware version **1.0.20b43451** – Release Date: **03.06.2020**

*Warning: updating to the new firmware will require the user to re-enter the Output Channels Delay values if previously preset.*

- Fixed. Anubis potential Crash/Freeze when doing a Mono mixdown of a monitor containing no C channel but LFE (e.g. 2.1)
- Fixed. Anubis potential Crash/Freeze if using Trigger Action having Dot (e.g. 5.1.4)
- Fixed. Deleting last Monitors could result in an Anubis crash
- Fixed. LFE inconsistencies. Loss of LFE signal when switching between Speaker Sets
- Fixed. Setting a GPI actions to On or Off always reverts to Toggle
- Fixed. Reboot to factory patching issues

*Warning: Users needing to rollback from a 1.1.x firmware to a previous 1.0.x Firmware must first rollback to the Anubis Firmware 1.0.20b43451 and from there rollback to older 1.0.x Firmware's if needed.*

### Fixed in Firmware version **1.0.19b42352** (Based on Maintenance Mode 16)

*Warning: updating to the new firmware will require the user to re-enter the Output Channels Delay values if previously preset.*

- Fixed. Anubis Source inaudible at times, until you update the volume value
- Fixed. Anubis DSD/DXD: unselected Source leak or muted source
- Fixed. Anubis: Preset icon color does not change when deleted
- Fixed. Anubis Potential small bust of Noise when changing Monitor set in DXD
- Fixed. Downmix does not behave correctly in some cases
- Fixed. Cue Monitor set can become muted when changing sampling rates
- Fixed. Web Access: SUM selection behavior required toggling
- Fixed. Web Access: SUM remote control issue.

### Fixed in Firmware version **1.0.18b41960** (Based on Maintenance Mode 16)

*Warning: updating to the new firmware will require the user to re-enter the Output Channels Delay values if previously preset.*

- New. DSD Support (DSD64, DSD128 & DSD256). Refer to the Anubis User Manual for details and features. DSD Restrictions are available in the Anubis User Manual DSD section.
- New. Direct DAC volume control path
- New. Anubis PreAmps metering scale for DSD to support +6dB SA-CD
- New. Anubis PreAmps Web Access remote control support
- Improvement. Settings>General Combo-Box AD mode changes for DSD formats support.
- Improvement. PTP Master locking reliability and Slave time reduced
- Improvement. AD gain change steps free
- Improvement. Monitor channel Trim (-12dB to 0dB) now exclusive to each Monitor Set
- Fixed. Applied delays on HP/Cues Monitors outputs could glitch at sampling rates change
- Fixed. Web Access: Source renaming in the Web Access not updated in ANEMAN
- Fixed. Web Access: Wrong peak warning in Source page detected.'
- Fixed. Web Access: Downmix for cue not activated from Web to Anubis
- Fixed. Web Access: PTP status not updating on web access page

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- Fixed. Web Access: Source Trim value could un-select on release
- Fixed. Web Access. SUM selection accuracy

Feature change:

Settings>Audio Outputs page no longer have per channel output Trim. This was replaced by and Attenuation feature for the output pairs. Trim / channel have to be done in the Monitor from now on.

Improvement. Web Access: Presets Support, User Manual embedded, Debug Report Generation

**Fixed in Firmware version 1.0.13b41198 (Based on Maintenance Mode 16)**

*Warning: updating to the new firmware will require the user to re-enter the Output Channels Delay values if previously preset.*

- New. GPIO support
- Improvement. Web Access: Presets Support, User Manual embedded, Debug Report Generation with Source and Monitor renaming.
- Improvement. Talkback link to Speaker Set Dim option
- Improvement. Added option to Dim SpeakerSet when Talk is engaged
- Improvement. Anubis PTP Slave lock performance improved
- Improvement. Downmix color matching the Monitor set color
- Fixed. Random burst of noise issue
- Fixed. Web access: Cannot select source unless a Monitor is selected
- Fixed. Speaker Sets can be sharing the same connected speakers
- Fixed. Stream listener muted
- Fixed. Talk patch was not possible at times
- Fixed. Changing the Monitor speaker set type will deselect it
- Fixed. Monitoring: Polarity button status not kept when selecting another speaker set
- Fixed. Speaker set can become unselected if Web Access is open
- Fixed. Monitoring and Source configuration issue

*Note: No longer automatically enter the Source or Monitor configuration page after creation*

**Fixed in Firmware version 1.0.12b40720 (Based on Maintenance Mode 16)**

*Warning: updating to the new firmware will require the user to re-enter the Output Channels Delay values if previously preset.*

- Improvements. MIDI IO status bar icons activation
- Improvements. MIDI – GPIO setting entry and GPI support.
- Improvements. Metering refresh rate higher
- Improvements. Shorter Fade (mute, speaker set, Dim,...)
- Improvements. Error log entry added to Home page
- Improvements. Error log report icon added to status bar
- Improvements. Trim range extended from -36dB to +12dB
- Improvements. Added option to empty a Preset
- Improvements. Added ASIO Clock settings (On/Off/Auto)
- Improvements: New Talkback modes in the Triggers Settings (No Latch, Latch, Auto-Latch)
- Improvements: Speaker Set click-less on selections
- Improvements: Output Channels Delay value parameter storing

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- Fixed. Removed glitch when switching modes roll-off filters and at Anubis power up
- Fixed. Issue when applying Polarity on output channels
- Fixed. Erroneous handling of incoming streams from Aruba switches
- Fixed. Auto-Patch issue, now contiguous channels until end
- Fixed. Reboot to factory issue
- Fixed. Presets reloading not considering button assignation
- Fixed. Downmix selector now kept for each Speaker Set
- Fixed. Anubis Premium DXD overrun error
- Fixed. Mixing unicast and multicast may result in incorrect streams and performance issue
- Fixed. Unwanted audible transition when changing Monitors/Sources size and number
- Fixed. Issue with Dante AVIO AES67 devices when set as PTP Master

## **Fixed in Firmware version 1.0.9b40042** *(Based on Maintenance Mode 16)*

- New. DXD Support\*
- New. Default Ex-Factory configuration updated
- New. AD Split mode option under Settings>Inputs
- New. Web page skin
- New. Info page details enhanced
- New. Single and Auto-Patching feature
- Improvements. Zipper noise optimized (smoother)
- Improvements. Monitor type 1.1 support
- Improvements. General Monitoring Mission
- Fixed. Pro vs. Premium limitation issues
- Fixed. Multi-patch Outputs support
- Fixed. Page scrolling less sensitive to selections
- Fixed. Volume control was not affecting the Talker
- Fixed. DC offset remover integration time now constant vs sampling rate
- Fixed. Talkback control improvements
- Fixed. Peak Meters display for Outputs and reset
- Fixed. Overlay menu display issue when leaving settings

*\* When running in DXD, ANEMAN might display an ethernet Overrun error on the ANUBIS at initialization. Please clear this error.*

## **Firmware version 1.0.9b39588** *(Based on Maintenance Mode 16)*

- First version available to end users

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## ANUBIS TROUBLESHOOTING

### Rollback Firmware

Users that need to roll back to a previous firmware version can do so. But Merging recommends not doing this operation since it is possible that the previous firmware might not be compatible with your current ASIO or VAD Driver, so you might have to roll back the driver as well.

*Warning: Users needing to rollback from a 1.1.x firmware to a previous 1.0.x Firmware must first rollback to the Anubis Firmware 1.0.20b43451 and from there rollback to older 1.0.x Firmware's if needed.*

### Cannot access the Anubis maintenance mode from ANEMAN

Make sure that you are running ANEMAN v1.1.7 build 39688 and higher.

*Warning: RAVENNA Easy Connect is not supporting Anubis*

**RAVENNA ASIO Driver error:** Make sure you are running the version 12.0.1 and higher. If using Horus or Hapi those must be on firmware 3.9.4 and higher.

**VAD macOS Driver error:** Make sure you are running version 2.0.39648 and higher. If using Horus or Hapi those must be on firmware 3.9.4 and higher.

### Firewall and Antivirus:

#### Windows Firewall:

The Windows Firewall can block communication between Anubis and the Application. We recommend users to disable the Public Network Firewall

Procedure:

1. Go in Windows Control Panel > Windows Firewall.
2. Click on "Turn Windows Firewall on or off"
3. Go to the Public Network section and select "Turn Off Windows Firewall"

#### Disable Antivirus:

*Merging also recommends users to disable their Antivirus, some Antivirus as Avast and Sophos have been known to block the Anubis discovery and network connections*

## MERGING+ANUBIS ONLINE DATABASE

<https://confluence.merging.com/display/PUBLICDOC/MERGING+ANUBIS>

## MERGING+ANUBIS FAQ

<https://confluence.merging.com/pages/viewpage.action?pageId=43188250>

## MERGING+ANUBIS USE CASES

<https://confluence.merging.com/pages/viewpage.action?pageId=60031175>