



# **MERGING ANUBIS**

## **RELEASE NOTES**

## 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 by going to the Anubis under Settings>Info. You should see the Firmware version number such as v1.4.0b50888.

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](#)

Anubis Support Download Section for Drivers, Apps and Anubis Toolkits (Firmware + Remote Tools) <https://www.merging.com/anubis/download>

## ANUBIS FIRMWARE UPDATES HISTORY

Fixed in **Firmware version 1.8.0.61318 – Release Date 04.15.2025**

- New. Monitor Mission.
  - EQ and Dynamics are now supported on the Monitor Mission Sources
  - Sources channels can be soloed
  - Integration in RAVENNA/AES67 of the Network Monitoring with the “Auto Discover Sources” feature. Extended support for Pyramix 15 user
- New. Music Mission.
  - 12 bands of EQ are supported on the Buses (Mix and Cues) as of firmware 1.8.x and above.
  - New. OSC Support. The Open Sound Control protocol is now supported with the Anubis Music Mission. This initial integration was made along with the MakePro consollers where the Faders, Pan, Solo and Mute controls are supported.
  - Added “Link TALK button to Preamps CUT” option under Settings>Monitoring, this allows the Talkback to be inserted into a DAW channel strip and be active only when the talk button.  
*Note: This function applies only to the Music Mission and Talkback built in mic.*
- New. Venue Mission.
  - Talkback support up to 4 Talk channels
  - Auto-mix engine with immediate integration (Plug & Talk). Supports 32 streams channels.
- New. Commentary Unit Mission Auto-Dim support.  
This allows for automatically dimming Programs when signal is detected on the Intercoms or other Programs.
  - Available from Settings>Monitoring>Auto-Dim
  - Threshold range support
  - Programs and Intercom support
- New. Anubis Premium serial in the units are now identified as Anubis\_PXXXXXX
- Improvement: Same multicast address can be used for primary & secondary interfaces in ST2022-7
- Improvement. Music Mission built-in mic (preamp 5) can be selected under the GPI settings
- Improvement. Venue Mission. Talkback channel now supports EQ and Dynamics.
- Improvement. Monitor Mission now supports up to 12 Monitors (prio limitation was 8)
- Improvement. Monitor Mission: All pass filters are now available in the parametric EQs to provide extended support for mixed speaker models in an immersive monitoring system.
- Improvement. General fixes to the maintenance mode and updates

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- Improvement. Disabled ICMP timestamp responses (enhanced security)
- Improvement. Proper support if the device IP changes during a firmware update the new unit IP will be stated in after the update is completed.
- Improvements. Advanced Pages: Added Sink enable/disable feature
- Improvements. Firmware update now delays the IP renewal
- NMOS improvements and fixes:
  - NMOS: Added IS-04/05 version to advanced pages
  - NMOS: Senders/receivers list empty after registry failure with mDNS
  - NMOS: Prevent users using Merging web port for NMOS
  - NMOS: Receiver label not updated until source is patched
  - NMOS: Device/node properties inconsistent at startup
  - NMOS: Improved registry failover resilience
- LAWO HOME improvements and fixes:
  - HOME: Source/receivers parameters not behaving properly
  - HOME: Extend params source edit
  - HOME: Fixed. MAD I/O routing
  - HOME: Receivers IOs still available after sink is deleted
  - HOME: Improve device network information
  - HOME: Implement disconnect-reconnect mechanism
- Fixed. Music Mission: Talk Input was no longer working with external Microphone
- Fixed. Monitor Mission: Bypass of EQ status will remain if powering on/off the interface and is saved in the configuration
- Fixed. Monitor mission: connections lost at restart/reboot (Dante initial report)
- Fixed. Monitor Mission: Sources/Monitor renaming not working on Web UI
- Fixed. Monitor Mission: Remove the repeated messages flow errors of the Bass management
- Fixed. Monitor Mission L-R channel inverted in DXD/DSD mode with Anubis Ethercon models
- Fixed. Device properties properly updated in Dante controller
- Fixed. DHCP lease applied if occurs after boot
- Fixed. Unicast source creation may fail if mDNS restrictions.
- Fixed. Sound ID support with Serial numbers from new Hungary produced units.
- Fixed. Advanced pages updated statistic feedback
- Fixed. Firmware upload on TFT could blocks at 56% while ok on web access maintenance page
- Fixed. Source is unable to provide SDP when the source's name ends by /
- Fixed. Snapshot Store button enlarged tap zone
- Fixed. Keyboard OK button was at times opening the Reference level.
- Fixed. ZMAN. Multicast IP filter library. Multicast range support for 224.x.x.x and x.x.x.255

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**Fixed in Firmware version 1.7.0.59675– Release Date: 10.21.2024**

*Requires ANEMAN 1.2.2 and above.*

**Important: Firmware Update will take longer due to a partition resize step. Please never abort a firmware update until fully completed and successful, as the progress bar in some cases can show 2 phases on updates.**

- Sonarworks Sound ID:  
Users with new Anubis “Made in Hungary” serial numbers must enter the last 6 digits of their Serial numbers into the Sound ID application when prompt for the serial number.
- New. Audinate Dante Support. Requires latest Anubis SPS from October 2024 production
  - Anubis “Made in Hungary” serials numbers 10000\* and above are Dante Ready™  
The serial is referred in the last 6 numbers of the unit.
  - Anubis SPS (Pro or Premium) “Made in Switzerland”  
Serial numbers A61XXXX or A66XXXX a hardware modification is required, which can be installed by our Servicing for a fee.
  - Only Anubis Dante Ready™ can update the Dante Firmware
  - Anubis first generation of Ethercon models cannot be serviced for Dante support
  - More details on the Dante Ready hardware update for Anubis SPS will be announced shortly in an official statement.
- New. MT Toolkit including Dante firmware support
- New. MT Portal application is available for firmware and software updates
- New. Dante Appendix Manual is now available for Anubis
- Improvement. SAP TLL from 1 to 255 to allows SAP for network routers through pass.
- Improvement. Rescue Mode enhanced update reliability
- interoperability improvement. SDP: move a=mid attribute at the end of the media description
- Improvements. ZMAN: Network security
- Improvement. Changed signal and lock boxes background color in \general\clock settings
- Fixed. Dynamic rotary/fader controls cannot be highlighted (controlled) sometimes.
- Fixed. DAW USB Connections no longer overwritten by the AoIP connections
- Fixed. Monitor Mission Patching selection and scroll improved
- Fixed. Sonarworks Sound ID support for new serial number production
- Fixed. Peering issue above 8 channels with Hapi MkII, Anubis and MT 48

**Fixed in Firmware version 1.6.2b57529– Release Date: 2.20.2024**

*Important: Requires ANEMAN 1.2.2 and above.*

- Improvement. Firmware partition resize for future hosting
- Improvement. Expanded the PTPv2 announce message intervals in Advanced Pages
- Improvement. NMOS: domain mode not resolving when non-authoritative DNS
- Fixed. Streams disconnection at reboot / restart
- Fixed. Merging Deesser can now be applied on Talkback mic
- Fixed. EQ bands can be changed from bottom encoders swipe
- Fixed. SoundID : LFE channels import issue if Profile has been recently created
- Fixed: GPIO parameters not displayed properly in Remote Application
- Fixed. Potential crash at preset reload
- Fixed. ZMAN Customization: Display manufacturer's logo in advanced pages
- Fixed. Fixed. Potential crash at preset reload
- Fixed. NMOS improved reliability at re-connection
- Fixed. ZMAN device publishing timing issue
- Fixed. ZMAN Customization: Display manufacturer's logo in advanced pages

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**Fixed in Firmware version 1.5.7b55838– Release Date: 12.04.2023**

*Important: Requires ANEMAN 1.2.2 and above.*

- Improvement. LED coloring brightness adjustments
- Improvement. Firmware updates retro compatibility adjustment
- Improvement. LAWO HOME reliability
- Improvement. Internal Production tool set
- Fixed. Limited to 32 streams in Session Sync, now back at 64 streams support
- Fixed. Reverb ON button added pop-up message for clarification.
- Fixed. Can now launch multiple instances of the Remote Control
- Fixed. MDNS protection against overflow in incomplete connections
- Fixed. Home PreAmps recall
- Fixed. RAVENNA/AES67 Discovery timing issue

**Fixed in Firmware version 1.5.6b56511– Release Date: 10.23.2023**

*Important: Requires ANEMAN 1.2.2 and above.*

- New. Venue Mission deployment (key required)
- New. EQ: All-Pass filter implementation on Monitor patch
- New. Added the possibility to select an EQ band and to move the frequency parameter directly on the TFT and from the Remote App.
- New. Peering module number increased
- Improvement. Small change to the Virtual Keyboard (moved position of +/- with ./.)
- Improvement. LAWO HOME reliability.  
Note: HOME connections will need to be reconnected with this
- Fixed. Wrong Sequence Number, error can now be cleared in ANEMAN  
Note: Such error can be cleared in ANEMAN and indicates that a stream was interrupted. This is so to detect realtime operations network dropouts. If you see this error when rebooting or reconnecting the Anubis you should not worry and clear it.
- Fixed. Anubis discovery issue, at reboot and reconnection
- Fixed. Monitor Mission. Remote Controlling of the preamps gain was stuck
- Fixed. Monitor Mission: Mouse wheel on Web remote now affects the volume of the monitor selected.
- Fixed. SoundID 5.1.2 profile could not be used on a 5.1.2 Speakerset  
Note: We recommend do delete the 5.1.2 speaker set and create a new one.
- Fixed. Channel Mapping Ltf, Rtf, Ltr, Rtr mixdown to Ltm and Rtm capabilities
- Fixed. Anubis remote window position resets when minimized and moving the mouse
- Fixed. GPIO Talk Latch behavior issue
- Fixed. Commentary Unit: Sidetones and Programs were not routed to the monitor bus
- Fixed. Commentary Unit: ission Dynamics parameters not selectable in some cases
- Fixed. EQ and Dynamics lag when enabling the Talkback

**Fixed in Firmware version 1.5.1b55809– Release Date: 18.07.2023**

*Important: Requires ANEMAN 1.2.2 and above.*

- New. LAWO HOME Support
- New. Monitor Mission relooking
- New. Monitor Mission Web Access Relooking
- New. Music Mission. Monitor Level Settings for meters calibration range
- New. Music Mission: Added EQ and Dynamics on DAW channels
- New. Music Mission: Added EQ Bus on Reverb and Dynamics return channels
- New. Bass Management: New Filter Type options with Linkwitz-Riley support (12dB and 24dB per Octave support)

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- New. Surround Options under Settings>Monitor Level for 5.1 sources mapped to 7.1 layout types of speakers sets
- Improvement. Monitor Mission Web Access Remote PreAmps page
- Improvement. DXD/DSD Meters range UI accuracy for new Metering
- Improvement. Opening EQ and Dynamics UI faster
- Improvement. NMOS stability fixes
- Improvement. Monitor and Source Channel Types shows the most used set on top
- Improvement. Added Meters settings section and restricted the Hot (DXD/DSD) setting
- Improvement. Remote Control now supports mouse scroll wheel
- Improvement. Enabling effects and Settings exit more reactive
- Change. Monitor Mission LFE boost is set by default to enable
- Change. Monitor Mission. Default Bass Management filter type from EQ-X to Linkwitz-Riley, this will affect newly created Monitors.
- Fixed. Potential Crash or Slowdown when changing Mission
- Fixed. Monitor Mission: Disabled Monitors do not show a Red Icon on Remote Control
- Fixed. Music Mission WebApp: Rotary send not updated on a group collapsed
- Fixed. Remote Control app update becomes confused, if rebooting the Anubis
- Fixed. Anubis Web Access: Effect meters can have artefacts
- Fixed. Rare Random crash possible when exiting the Settings
- Fixed. Fast scroll in settings could cause a hang
- Fixed. Settings back page entry line not always proper size and working
- Fixed. Ability to change NMOS port
- Fixed. Peering menu is showing up the Loopback module
- Fixed. Some Settings menu options had truncated text

**Fixed in Firmware version 1.4.11b55480– Release Date: 06.06.2023**

*Important: Requires ANEMAN 1.2.2 and above.*

- Improvement. Anubis Home page relooking
- Improvement. Monitor Trim range now -36dB to +12dB
- Improvement. Firmware update reliability until end of update procedure (reboot)
- Improvement. Sony AR 360 Monitor Layout support
  - Sony 360 13.0: C, L, R, Lrs, Rrs, Ctf, Ltf, Rtf, Ltr, Rtr, Cbf, Lbf, Rbf
  - Sony 360 15.0: C, L, R, Lss, Rss, Lrs, Rrs, Ctf, Ltf, Rtf, Ltr, Rtr, Cbf, Lbf, Rbf
- Improvement. Increased the touch range of the Anubis Music Mission right toolbar
- Improvement. Music Mission. Dynamics interaction reactivity improved
- Improvement. Music Mission. Dynamics Limiter lowest Release time now 11ms
- Improvement: Music Mission. Opening Effects UI is faster
- Improvement: Music Mission. Visual improvements to Web App Effects
- Improvement. Monitor Mission. Status bar icons improvements
- Improvement: Monitor Mission. EQ indicator is colored only when EQ is ON
- Change. “Low” Fan mode is the new default setting at factory reset and on newly shipped Anubis
- New. Monitor Mission “Add” option in Settings>Monitor>Patch for output duplication
- New. Official Firmware support for new Anubis generation of Main and UI boards
- Fixed. Dolby multichannel top speakers mapping mismatch on X.1.2 setups
- Fixed. Peering fix for second peered AD module linked PreAmps
- Fixed. Peering not seen in the Remote App
- Fixed. EQ UI: changing band does not auto selected the controlled parameter anymore
- Fixed. If A speaker is set as a Cue, the source becomes all white at selection
- Fixed. Network not initialized in very rare cases (Anubis Ethercon)
- Fixed. GPI: When multiple Select actions are presents the latest only is applied
- Fixed. Showing the Home page from a remote control overloads the CPU for a second



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- Fixed. Settings Network IP now editable from Remote App
- Fixed. Mix Bus Level may differ from Web Access and device TFT
- Fixed. NMOS instabilities
- Fixed. Low Buffer size (e.g. 16 samples) can create large latency with other devices
- Fixed. Anubis, overwriting a snapshot will remove the color
- Fixed. Recalling a Reverb snapshot does not update the buttons status
- Fixed. Crash if changing IP to manual and not applying it.
- Fixed. Improved Web Access PreAmps layout and grouping
- Fixed. Music Mission. Monitoring volume level goes down to -144dB on TFT display
- Fixed. Anubis deleting an Access Control Lock added 2 new lock entry line
- Fixed. Dynamics Gate section lowest release time is 12ms to avoid distortion
- Fixed. Rotaries on Remote and Web Access have conventional rotation (up/down)
- Fixed. Added Shadow at bottom of settings to have uniformity to show down-scroll
- Fixed. Bus Dynamics does not have metering on the Web Access Page
- Fixed. Dynamics Gate section lowest release time is 12ms to avoid saturation
- Fixed. Added GPIO Trigger to recall a specific snapshot
- Fixed. Anubis: last EQ band selected not kept when returning to the EQ
- Fixed. Dynamics Reset and Sidechain buttons active state proper handling
- Fixed. Typing a long name in the strip channel can crash the remote
- Fixed. Bus Routing UI can flash when making connections
- Fixed. Peak reset from Effects does not reset the Peak hold
- Fixed. Scroll position not recovered when returning from Settings/Home page
- Fixed. Solo a return channel (Reverb or Dynamics) causes timeouts
- Fixed. Preamp gain steps (0.5dB) are different from the device vs. the remote.
- Fixed. Bus EQ focus on band not kept if returning to EQ
- Fixed. Dynamics meters not displayed if Dynamics is OFF
- Fixed. Preamp gain steps are different from the device TFT vs. from the remote.
- Fixed. Anubis: Dynamics, some parameters feel sluggish
- Fixed. Remote Control Identify Me dialog at times not closing
- Fixed. The EQ remote control can be dragging vs. Web Access
- Fixed. Auto-Save every 2 minutes improvement
- Fixed. Renaming the Anubis could prevent the Remote Control from opening
- Fixed. Preamps parameters can become stuck or slow to adjust after snapshot recall
- Fixed. Recent ZMAN boot issue
- Fixed. Monitor Mission Rename channels name to Dolby channels name layout
- Fixed. Output routing of Anubis broken when doing 2.1
- Fixed. Some Speakers losing EQ configuration after a reboot.
- Fixed. Deesser button UI size adjustments
- Fixed. DXD/DSD meters scale hot range accuracy
- Fixed. Some large presets could cause timeouts making button selection to revert
- Fixed. Dynamics Sidechain button not highlighted when active
- Fixed. Bus Dynamics LED when enabled was displayed outside Mix Button
- Fixed. Crash when adding multichannel 20.2 type to some presets
- Fixed. Monitor Mission: LFE channels can have a higher level in the Metering page

## Tech notes:

- Recent firmware could take longer to update (around 12min), never abort an update process.

**Fixed in Firmware version 1.4.6b53396– Release Date: 20.10.2022**

**Important: Requires ANEMAN 1.2.2 and Above.**

*Recent firmware are larger than previous ones and could take longer to update (around 12min), never abort an update process.*

- New. Monitor Mission: More EQ bands available. Support for up to 336 bands (prior was 84)
- New. Monitor Mission: Support for up to 24 bands per EQ

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- New. Monitor Mission: Custom sources configuration channel typing order (for Source and Sources Listeners)
- New Wildcard filtering feature to show only specific AoIP sources
- New. Sonarworks SoundID Multichannel support
  - Room Correction Support for Monitors layout up to 9.1.6 Atmos
  - Requirements
    - A SoundID Multichannel license is mandatory, refer to the [Online Shop](#)
    - Updated ANEMAN to 1.5.2 and above or MAD to 2.2.2 and above
    - Install the latest Sonarworks SoundID Reference application v5.5.0 and above
    - The multichannel support only applies to the Monitor Mission
  - Note 1: Recent changes to the SoundID multichannel integration will have an impact on the processing delay (shorter), this also impact the Stereo SoundID.
  - Note 2: If a Source contains a LFE channel and is available for a given stereo Monitor, the SoundID correction applied to the Monitor must include a LFE channel.
  - Note 3: Anubis cannot import SoundID multichannel presets generated from a Sonarworks SoundID Reference trial version.
- New. Sonarworks SoundID supported at 352.8kHz (DXD) and 384kHz
- New. Merging+Deesser plugin for the Music Mission.  
*This plugin is a purchase option. All details in the [Merging Online Store](#)*
- New. Eventide Blackhole plugin for the Music Mission.  
*This plugin is a purchase option. All details in the [Merging Online Store](#)*
- New. Music Mission: Import and Export Snapshot support for Mission Snapshots and Effects
- New. Music Mission: Mute All Outputs by long pressing the Mute button (excluding the Reverb, Parallel Dynamics and Sends)
- New. Commentary Unit: dual A/B mode for the On-Air button, and therefore offering “only” two languages A and B.
- Change. Date modification requires an Anubis Reboot.
- Improvement: Settings UI now displayed on black background, with new pop-up dialogs
- Improvement. Monitor Mission: More Sound ID profiles can be enabled with added EQ
- Improvement. Reliability of the PTP lock and Mute
- Improvement. Touch screen display alignment
- Improvement. Up to 64 streams are now supported (used to be 32)
- Improvement. Music Mission: Unconnected DAW or AUX will be grayed out in the Mixer
- Improvement. Anubis Fan slope and fan speed small adjustments
- Improvement. Anubis PTP slave performances
- Improvement. Reverb latency adjustments
- Improvement. NMOS Neveion support
- Improvement: EQ band selector improved and can be reset if long pressing the gain rotary
- Improvement. Peering reliability, timeout free
- Fixed. Commentary Unit: Add rename settings for Monitor/Sidetone rotaries (TFT/WebApp)
- Fixed. Commentary Unit: remove talk\_lock settings (redundant with talk\_enabled settings)
- Fixed. Commentary Unit panning issue
- Fixed. PreAmps input noise when used in DSD formats
- Fixed. Issue when receiving malformed SAP packet
- Fixed. Stream listened on wrong for SAP single wire source when in ST2022-7 mode
- Fixed. SDP DUP bug when IF name has a space (RAV-1643)
- Fixed. Anubis Remote Control date and time conflicts, the remote app can only apply the date and time of the system its connected to and apply it into the Anubis. Otherwise use the TFT setting>General to set a specific date & time.
- Fixed. Monitor Mission: Trim offset not accurate when changing Speakerset
- Fixed. Monitor Mission: Speakerset creation disables some Monitor despite enough resources
- Fixed. Monitor Mission: Audio artefact when changing Bass management settings
- Fixed. Monitor Mission: Enabling bass management kills output polarity  
*Known limitation: When listening to a DSD source the Speakers Polarity change is disabled*
- Fixed. Music Mission. Title Bar not always consistent with open/close Bus routing/Snapshots/Effect presets
- Fixed. Music Mission: Cannot scroll in MIX page or Bus Routing after going to the Peering



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- Fixed. Music Mission. Better indicate when a CUE is in Mix+ALT mode (in Taskbar)
- Fixed. Music Mission: Loaded Snapshot kept after an Anubis restart
- Fixed. Music Mission: Dynamics Reset Peak also reset the reduction metering value
- Fixed. Music Mission: Unmute a disconnected strip not possible
- Fixed. Music Mission: Remote preamp should never be present on peered ADAT/AES
- Fixed. Anubis could slow down when doing peering and/or changing the device name
- Fixed. Peering: Rebooting devices losses the IO Router connections and IO sound
- Fixed. Remote Control timeouts (requires toolkit Remote Control installation)
- Fixed. Rotaries of Remote App, Web Access and TFT mission handling sometimes conflicting
- Fixed. Anubis non-SPS wrongly identified
- Fixed. Remote App timeouts with Anubis going offline

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Fixed in Firmware version 1.4.1b51641 – Release Date 29.04.2022

**Important: Requires ANEMAN 1.2.2 and Above.**

Recent firmware are larger than previous ones and could take longer to update (around 12min), never abort an update process.

- New. Commentary Unit Mission deployment (requires key purchase)  
<https://www.merging.com/products/interfaces/merging+anubis#commentary-slider>
- Improvement. Exit Settings faster to recompute and general TFT operations quicker.
- Improvement. Music Mission. Web Access Effects channel navigation <>
- Improvement. Validate that address and gateway are on same subnet
- Improvement. Monitor Mission: Hidden Sources will be muted
- Improvement. Monitor Mission: Delay applied value have changed for accuracy purposes.  
**Warning: Current Delay applied values will change when updating to this firmware as there was a generic wrong offset in prior firmware.**  
**Workaround: Base your adjustments to the Fs at which your room measurement were made.**  
**This applies only to channels that had a delay different than zero.**

- 1FS (44.1/48kHz): Add 1.4 ms to your current Delay value
- 2FS (88.2/96kHz): Add 1 ms to your current Delay value
- 4FS (176.4/192kHz): Add 0.8 ms to your current Delay value
- 8FS (352.8/384kHz/DSD): Add 0.7 ms to your current Delay value
- Fixed. Dante SAP Source no longer discovered
- Fixed. Sonarworks SoundID imports not working
- Fixed. Load error when one speakerset present and samplerate is 44.1kHz
- Fixed. Build In Mic and Input 4 Unavailable channels can lead to confusion, only Built-in goes unavailable if jack connected.
- Fixed. Monitor Mission: Possible load error when loading some presents
- Fixed. Monitor Mission: Delay alignment recall issue
- Fixed. WebApp, selecting sources on a headphone or speaker set can freeze the app
- Fixed. Remote Control app Dim color wrong and was showing a mute
- Fixed. The Mix menu can appear in overlay to other menus
- Fixed. Music Mission: Anubis crash when loading some Snapshot
- Fixed. Music Mission: Mute status not recalled correctly after a Power Up.
- Fixed. Music Mission: Enabling the Record back of the Bus Reverb and Bus Dynamics
- Fixed. Music Mission: Store a snapshot don't store the color (WebApp)
- Fixed. Music Mission: WebApp Settings ref/dim levels conflicting with TFT Settings page
- Fixed. Web Access IP stays in cache if changing Mission. *Note: Update to latest Chrome*
- Fixed. Rare RAVENNA input mute issue
- Fixed. In Advanced pages multi-interface mode all interfaces reported link up
- Change. Physical channel rename in PreAmps is fixed
- Music Mission: Post-Effects Support.  
Feasibility to record Post- FX signal (Post-Effects) when running the Music Mission. This includes the EQ and Dynamics plugins. Record the Physical Input Direct signal (Pre-Effects) and the Post-FX single independently or simultaneously. Supported also for Peered Inputs. Users can connect those Post\_FX channel via ANEMAN today.  
Support for Unite Post-FX is planned in the next VAD and MAD version.  
*Note: Reverb, the Parallel Dynamics and Sends are not in the Strip signal Effect path. In order to record those, it is recommended to record the Bus returns.*

## Known Issues

- Bus Routing: Scrolling to Cue and Sends could lock up at times  
*Workaround: Open the Settings from the Bus Routing Page to unlock the scroll*
- Remote Control app: Can at times come offline or not update
- Remote Control app: Date/Time general settings cannot be adjusted properly in remote  
*Workaround: change locally from the Anubis TFT*
- Post FX channels only available in ANEMAN (upcoming VAD 3.2.1 & MAD 2.2 will have Unite support)
- Monitor Mission: Solo Sub must be done from the Monitor settings options

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- Peering: Music Mission can visually show quickly grayed channels but sound remains accurate (so only visual).
- Music Mission: Enabling first effect (EQ, Dynamics) can generate a small tick

## Fixed in Firmware version 1.4.0b50888 – Release Date 24.02.2022

*Important: Requires ANEMAN 1.2.2 and Above.*

*Recent firmware are larger than previous ones and could take longer to update, never abort an update process.*

- New. "identify me" mode to located a device over a network
- New. Firmware support for the latest Anubis board revision.
- Improvement. Access Control: security protection on parameters
- Improvement. Monitor Mission: Hold option for volume level and reference lock
- Improvement. Monitor Mission: new setting to hide displayed Sources for a given Monitor
- Improvement. Monitor Mission: Bass management time alignment for accurate monitoring
- Improvement. Music Mission. Dynamics now supporting Sidechain and Auto-Gain
- Improvement. Music Mission. SoundID now supported on CUES
- Improvement. New manual Anubis Ex-Factory reset procedure
- Fixed. Monitor Mission: Graphic MON>CUE deactivation incoherency
- Fixed. Monitor Mission: MON>CUE disabled options still allowing the injection
- Fixed. Monitor Mission: Source page Sources order not reflected in the settings
- Fixed. Monitor Mission: Speakers Delays not kept at Anubis restart
- Fixed. Monitor Mission: Assert when loading a configuration with too many channel
- Fixed. Music Mission: Pressing Home button will close any open dialogs
- Fixed. Music Mission: Rotaries did not always get deselected when selecting a monitor set
- Fixed. Web Access can display multiple talks in the preamps page
- Fixed. Anubis: MIDI pre potential crash under ProTools
- Fixed. Firmware update from Mac Safari takes forever to upload firmware
- Fixed. Firmware update from Safari preliminary support, Chrome still recommended
- Fixed. MIDI icon no longer displayed in status bar when back button is visible
- Fixed. Peering page displays MIDI channel numbering issue
- Fixed. Peering improvements and reliability
- Fixed. Peering UI: Message displayed when all peering slots are already used
- Fixed. Special characters used in Anubis could prevent proper launch.
- Fixed. Advanced Pages, Sink delay value no longer fixed
- Fixed. Remote Control App, the rotary from touchpad does not work
- Fixed. Various SAP and SDP fixes
- Fixed. AES67 left over streams can crash Anubis at startup
- Fixed. Virtual Keyboard potential assert or duplication

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## ANUBIS FIRMWARE UPDATES HISTORY

### Fixed in Firmware version 1.2.6.49236– Release Date: 12.10.2021

*Important: Requires ANEMAN 1.2.2 and Above.*

- Improvement. Music Mission SoundID recall added to the Bus Routing Snapshot entry
- Fixed. Monitoring Mission issue with 2.2 setup
- Fixed. Monitoring Mission SoundID Reference button removed if no profiles were imported
- Fixed. Monitoring Mission Multichannel top speakers controls hidden by SoundID button
- Fixed. Monitoring Mission Channel solo implementation and the Sub channel Solo
- Fixed. Monitoring Mission Subs channels trim
- Fixed. Monitoring Mission no sound when applying delay on Speaker set
- Fixed. Monitoring Mission issue with low level EQ when Speaker mode is changing
- Fixed. Music Mission Web Access Mix button blocked
- Fixed. Music Mission SoundID related EQ refresh issues when changing sampling rate
- Fixed. Music Mission Deleting a SoundID profiles removes it properly from TFT
- Fixed. Music Mission SoundID ordering in Routing issue.
- Fixed. Music Mission Snapshot Bus Routing recall now keeps SoundID profile status
- Fixed. Music Mission UI Remote Web Access UI fixes
- Fixed. Music Mission Snapshot reload can crash the remote access
- Fixed. Music Mission Dynamics Bus return to DAW muted

### Fixed in Firmware version 1.2.5.49031– Release Date: 28.09.2021

*Important: Requires ANEMAN 1.2.2 and Above.*

- New. Sonarworks SoundID Reference supported, for Headphones or Room Correction
- Improvement. Anubis Rotary Performance a little slow at times it lags
- Improvement. Monitor Mission, Bass management UI layout changes and added options
- Improvement. Monitor Mission, EQ on channels and on patch points
- Improvement. Monitor Mission, EQ Link/Bypass function
- Improvement. Monitor Mission, filtering status icons
- Improvement. Music Mission, selective Snapshot recall
- Improvement. Music Mission, updated Bus Routing Layout
- Improvement. Music Mission, Group collapsing in SetUp page
- Improvement. Web Access remote PreAmps faders scaling UI
- Improvement. New setting to display SOLO or MUTE on Anubis TFT
- Improvement. Anubis Fan translate regulation slopes
- Fixed. EQ on Reverb can cause infinite loop feedback on CUE'S
- Fixed. Anubis SPS two ports no long advertise Bonjour after connection/disconnection
- Fixed. Device issue advertising itself after RJ45 disconnect/connect
- Fixed. ASIO clock not updated when PTP domain has changed

### Fixed in Firmware version 1.2.4.48118– Release Date: 02.06.2021

*Important: Requires ANEMAN 1.2.2 and Above.*

- Improvement. Remote control of Anubis reliability from drivers
- Improvement. Peering reliability
- Improvement. Peering. Display of MIDI Pre Channels start number for remote control
- Improvement. Last peer output will take over if the same output module was already peered
- Improvement. Music Mission. New Anubis settings for Live Mixing application
- Fixed. Peered modules can go offline and back online
- Fixed. Sink provides too big Unicast port number
- Fixed. Monitor Mission freeze when total monitors channels exceed 30.2
- Fixed. Talkback AD peakmeter is not accurate
- Fixed. Cue channelset should not be displayed in the Speaker panel.

# MERGING ANUBIS

**Fixed in Firmware version 1.2.2.47903– Release Date: 08.06.2021**

*Important: Requires ANEMAN 1.2.2 and Above.*

- Improvement. Peering and Unite reliability fixes
- Improvement. Anubis published name unique
- Improvement. Refresh rate of the metering adjustments for performance gain
- Improvement. Music Mission Dynamic module, only compressor ON at first
- Improvement. Music Mission Web Access now supporting EQ and Reverb remote control. *Note: Dynamics remote control still under development.*
- Fixed. Peering: Input's modules can appear duplicated in the Anubis Mixer
- Fixed. Music Mission Parallel Dynamics wrongly routed and leaking
- Fixed. Monitor Mission Bass Management issue
- Fixed. Monitor Mission DXD/DSD headphone monitor path broken
- Fixed. Monitor Mission hang if no speakerset and performing Mon to Cue from Web Access

**Fixed in Firmware version 1.2.2.47673– Release Date: 20.05.2021**

*Important: Requires ANEMAN 1.2.2 and Above.*

- NEW. Music Mission first official release firmware
- Improvement. Presets and Snapshots naming
  - *.mumi* extension files are Music Mission snapshots
  - *.momi* extension files are Monitor Mission presets*Note: to load a previous Monitor mission preset remove the .momi filtering in the file extension dialog in order to load your previous .bin presets.*
- Improvement. GPI Global mute action added for all Missions
- Fixed. Bass Gateway setting does not check for empty entry
- Fixed. Anubis virtual MIDI ports fail to load, solves PreAmps remote and MIDI Din issues.
- Fixed. Wrong ST2022-7 streams' status (during a short period)
- Fixed. NMOS Fixed null value activation time when patching an IS-05 receiver

**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 cuts 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
- Fixed. Pasting EQ Curve deletes Bass Management Hi Pass Curve
- Fixed. Flat a Monitor EQ having Bass management can remove a frequency band

# MERGING ANUBIS

- 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*

## 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



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- 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
- 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

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- 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
- 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

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- 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

# MERGING ANUBIS

## 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.*

*Latest generation of Anubis SPS will not be support with Firmware's 1.4.6 and prior.*

### 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.

### ANUBIS Not Starting up.: ANUBIS Ex-factory update reset procedure

#### ANUBIS Ex-factory Reset (firmware 1.4.0 and above)

1. Run a Firmware version 1.4.0 and above
2. Shutdown the ANUBIS
3. Hold Press 2 buttons: The Anubis MUTE button and TALK Button Simultaneously
4. Power up the Anubis while holding those two buttons pressed until Anubis powers up completely

This will reset the Anubis to Ex-Factory while keeping your Mission Presets or Snapshots

If you still have issues contact [support@merging.com](mailto:support@merging.com) for the Anubis Wipe-Out procedure.

#### Legacy: ANUBIS Ex-factory Reset (Firmware 1.2.6 and prior).

1. Open the Anubis Maintenance Page (Google Chrome highly recommended)
2. Download and update the file below as if it was a firmware update.  
**Anubis factory Reset update:**  
<https://betadownload.merging.com/ExternalLinks/Anubis/FactoryReset/ResetConfigToFactory.Anubis>
3. Once updated, reboot Anubis

If this procedure does not work ask [support@merging.com](mailto:support@merging.com) for the Anubis rescue mode procedure.

# MERGING ANUBIS

## 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

## MERGING+ANUBIS **ONLINE DATABASE**

<https://merging.atlassian.net/wiki/spaces/PUBLICDOC/pages/4818696/MERGING+ANUBIS>

## MERGING+ANUBIS **FAQ**

<https://merging.atlassian.net/wiki/spaces/PUBLICDOC/pages/4818526>

## MERGING+ANUBIS **USE CASES**

<https://merging.atlassian.net/wiki/spaces/PUBLICDOC/pages/4818957>