

## RD Dante v3.0 Firmware Update – Feature Set/Release Notes

We have been adding and improved features within the PD Dante firmware. Many additions are a direct result of customer requests for new features or improvements to existing features.

- **Time Delay**  
An audio delay compensation has been added to the main monitoring output. The RD Dante is often used in a production environment where the Operator or Director is also viewing a separate video feed or multi-viewer where any video processing delay adds latency when compared to the Dante AoIP network audio. The RD Dante output can be delayed up to a maximum 400 mS. A simple on-screen adjustment or direct numeric value can be input until the required compensation has been added. Alternatively, simply tap for access to a keyboard for direct keypad entry when the delay is known. Delay adjustments can be made in Metres, Feet or mS.
- **BLITS Test Tones**  
A broadcast line up tone for use with 5.1 surround sound systems. Each channel can be easily identified, and levels checked and channels time-aligned. When selected via the 'Route Matrix' the tones are automatically routed to the unit's three dedicated stereo Dante outputs.
- **A user-adjustable Burst Tone** has been added to the signal generator available from the 'Test Signal' input selection. The user can define the frequency and cycle of the tone. This can be particularly useful in system setup and alignment.
- **Improved impulse response of meter(s)**  
The display meters have an improved response, particularly to fast impulse signals encountered in testing, commissioning, and fault-finding. This is most evident for users testing their network using fast impulse signals waves, but the overall meter responsiveness is readily apparent on all sources.
- **Addition of 32 channel display.** A screen of 32 channels with extended horizontal metering allows for the clear display of long channel names (up to 32 characters).
- **Variable text size in both 32 channel and 16 channel modes**  
The text size within each display grid is now also variable for enhanced clarity. The text size can be easily adjusted through 4 steps. We now offer 8, 16, 32 and 64 channel displays to mirror the most popular track counts on many live productions.
- **Locking of Mix/Listen mode**  
This can now be applied globally to all available sources on the device as well as by individual source selection.
- **Increased number of detectable Dante devices to 128**  
Each user can now listen, mix, and manage up to 128 devices on the network from a single handheld device!
- **Hide unused channels in 96k mode**  
When monitoring signals at 96 kHz the total number of channels on the network is halved. The 'Hide' function greys out the second unused 32 channels on the main 64 channel display grid for a cleaner, easier to read display.
- **Reset to factory defaults added**  
Restores unit to original factory shipping settings.  
Don't forget we can save and recall 8 status settings of the RD Dante. Useful when moving between different events and you need to quickly recall the unit's last routing table.
- **Dante 'Identify' function added**  
When using multiple RD Dante units on a network this allows each individual unit to be easily

identified. The display and port lights will both flash intermittently when the Identify icon is selected within Dante Controller.

- Edit Dante channel names
- Although not a new feature we are finding customers are increasingly using the ability of the RD Dante to manage subscriptions on the wider network from within the RD Dante menu screen and not via an external computer. For example, at a high profile international multi venue sports event, Engineers were able to remotely route devices at the main international broadcast centre while still able to make local subscriptions and configurations at the outlying stadia. This feature can also be used to make a quick temporary patch should there be any equipment failure on the network.
- **NOTE: We have discovered an issue when using V3 firmware with Dante DVS (4.1.2.3) on Macs running OS Big Sur 11.6 where when viewing the DVS channels the name function on the RD Dante will freeze. Simply restarting the RD Dante will return normal operation. We are currently working on a solution to this with Audinate**

Existing customers can obtain the new v3.0 firmware and manual showing the upgrade instructions from the “Downloads” page on the website.

<https://www.nixerproaudio.com/Downloads/>

The latest Nixer BLM (Boot Loader Manager) will also be required and available from the “Downloads” page.