TECHNICAL NOTE

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Raised by: FC, RP, TS
Distributed to: as required, included in S-Series V3.0.9 download package

Procedure for Upgrading S-Series Consoles when used with DMI DANTE 64@96 card and A168D rack and A164D wall LCD

Introduction:

The A168D racks and A164D wall LCD devices are required to be updated to firmware V1.7 for them to work as expected with an S-Series V3.0 console using a DMI DANTE 64@96 card. For the A168D and A164D devices to be updated successfully, there are certain conditions that need to be met which are listed in the table below:

Items to be updated in this order →	S21 or S31 console	DiGiCo firmware on DMI DANTE 64@96 card	DANTE firmware on DMI DANTE 64@96 card	A168D / A164D
Version required	V3.0.9 or later	Card firmware: V104 FPGA firmware: 27/10/21	Dante version: V4.0.20 Product version (DNT): V1.0.4	V1.7

Requirements:

- S21 or S31 console and the appropriate V3.0.9 or later console upgrade package
- DMI DANTE 64@96 card
- A168D stage box or A164D Wall LCD
- A computer running Windows V7 or later (recommended) or Mac OSX 10.14.6 or later running Parallels
- Dante Controller V4.6 or later
- DiGiCo Dante Rack Utility V1.1.0

A168D Upgrade Steps – WINDOWS ONLY
IMPORTANT - Ensure steps 1-7 are completed before moving onto step 8:

1. Connect Dante DMI Card to S-series console and the Dante Network
2. Power on the A168D or A164D and connect to the Dante Network
3. Power on S-series console and upgrade to version 3.0.9 or later.
4. Upgrade the Dante 64@96 DMI card firmware to V104 and FPGA version 27/10/21 by navigating to *System > DMI Slots* on the console

5. Connect a computer to Dante network
6. Open the Dante updater through the Dante Controller software and select the Dante 64@96 DMI card in the *UPDATE(S) AVAILABLE* tab
7. Update Dante on the DMI card to V4.0.20
8. You must reboot the console when prompted
9. Using a Windows computer run DiGiCo Dante Rack Utility V1.1.0 or later software
10. Select *Network Interfaces* and ensure the correct one is selected
11. Select the correct rack and *Upgrade Firmware*
12. Power-cycle the console and the rack.

A168D Upgrade Steps – MAC ONLY
IMPORTANT - Ensure steps 1-7 are completed before moving onto step 8:

1. Connect Dante DMI Card to S-series console and the Dante Network
2. Power on the A168D or A164D and connect to the Dante Network
3. Power on S-series console and upgrade to version 3.0.9. or later
4. Upgrade the Dante 64@96 DMI card firmware to V104 and FPGA version 27/10/21 by navigating to *System > DMI Slots* on the console
5. Connect a computer to Dante network
6. Open the Dante updater through the Dante Controller software and select the Dante 64@96 DMI card in the *UPDATE(S) AVAILABLE* tab
7. Update Dante on the DMI card to V4.0.20
8. You must reboot the console when prompted
9. Download DiGiCo Dante Rack Utility Software on Parallels
10. Turn off Wi-Fi in Mac OS
11. Open *System Preferences > Network*
12. At the bottom of the white box select the Circle with the three dots in and select *Set Service Order*
13. Ensure the Dante network is the priority by dragging to the top of the list.
14. Click Apply in the bottom right-hand corner
15. Open Parallels, in the devices drop-down menu go on *Network > Bridged Network* and select *Default Adapter*
16. Remove the Dante network ethernet cable and plug back into the same port
17. Click Allow to any pop-ups asking for Parallels to access the ethernet/USB connection
18. Check network settings to see if the ethernet is set to the Dante network, if not, attempt to re-plug in the ethernet cable
19. Select *Network Interfaces* and ensure the correct one is selected.
20. Select correct rack and *Upgrade Firmware*.
21. Power-cycle the console and the rack.