

Optional DANTE Installation

Dealer Installed DANTE Card

The below pictures are of an Insight IA-8DSP, but the process is the same for all DSP amplifiers.

Overview of Process:

- 1. Update Amplifier with latest firmware from Wisdom Audio
- 2. Unplug from Power Outlet
- 3. Wait until Amber Light goes out
- 4. Remove top cover screws using Torx T10 Driver
- 5. Insert DANTE card into card slot
- 6. Reattach the top cover and any Rack Ears
- 7. OPTIONAL Program DANTE Card with latest firmware Note: This step is not normally required as cards should be preprogrammed. Only do this step if directed by Wisdom Audio

Required tools/Software:

• Torx T10 (top cover screws)

Update Amplifier Firmware:

- 1. Check the <u>www.WisdomAudio.com</u> website for each product under **RESOURCES** for latest firmware update and instructions.
- 2. After updating to the latest version, the amplifier can be removed from the rack or system

Power Down and Remove Screws:

- 3. Unplug the power cable from the rear panel and switch the unit into OFF position before beginning!!!
- 4. Wait for Amber light to turn off. This may take several minutes for the light to remain off.





5. Unscrew the T10 Torx screws on the top cover (top and sides)

6. Remove the top cover of the and locate the DSP Board.

Internal View with cover removed ightarrow

Do Not Touch anything without first grounding yourself by touching the metal chassis of the amplifier.



<IA-8DSP>

<SW-1DSP>



Installing the DANTE card

a.

a.

1. Identify open card slot



2. Hold card by the edge angled slight up and align with the notch in the card edge. The Dante logo will be facing up as shown below.



3. Insert card fully into the slot. The Card can only be inserted one way. It should seat fully with only a slight amount of force and will stop once it is completely engaged in the slot. Make sure all the pins are inserted and seated.



a.

4. Push down on the card until the spring clips engage

a.



Programming / Software

NOTE: This is not normally required. The cards should come preprogrammed to work in any Wisdom Amplifier. This should only need to be done if the Dante card was delivered without programming.

Using the software should only be done under instructions from Wisdom Audio!

Required tools/Software:

- Audinate Dante Firmware Update Manager (Supplied by Wisdom Audio)
- Wisdom Audio Dante Firmware Image File WisdomAmp_Dante.dnt (Supplied by Wisdom Audio)

Important Notes:

- Multiple DANTE cards can be updated at the same time but it may be safer to do one at a time.
- Brooklyn 3 requires Dante Firmware Update Manager v 3.10.9.6 or newer
- Must be on the same switch or subnet on the router. No WiFi!!!
- Install the Dante Firmware Update Manager from the Wisdom Audio supplied download link (link in email message)

Step by Step Instructions:

- 1. After installing the Dante Card into the amplifier, power on the system.
- 2. Connect the DANTE port (not the SA-x DSP Ethernet) to the Network.
- 3. Connect the PC to the same router/switch using Ethernet (must be hardwire, not WiFi)
- 4. Check DANTE port for activity lights (yellow and green) on Ethernet, no activity = go back, something wrong!!!

5. Open Dante Firmware Update Manager→



6. Select your network (or it picks the only one available for you) and click Next

ł	a Dante Firmware Update Manager v3.10.9.6	-		×
r	<u><u>Audinate</u></u>			
	Firmware Update Manager			
	Select the network interface used for the primary Dante network			
	Ethernet V			
-				
ISE				
w				
	Next		Qu	it

7. Select "Update Dante Firmware"

	🔽 Dante Firmware Update Manager v3.10.6.2 — 🗆 🗙	
1	Firmware Update Manager	
c	Choose Mode	
	Update Dante Firmware	44 6 100* 2440
-	Failsafe Recovery	
-		
n		
16		
0		
		y
v	Back Quit	to
		0

8. Browse for the firmware that was supplied to by Wisdom Audio and select it. The name may be different than the one shown here, but will be a .dnt file and will be sent from Wisdom.

🔞 Dante Firmware Update Manager v3.10.6.2	—	□ ×
<u><u>Audinate</u></u>		
Firmware Update Manager		
Select Firmware Update File		
	Browse	
Override Device Matching		
Back	Next	

9. Open .dnt file for the unit

	 assembly i 	instructions / PCDA_Programming_re	sung / Dance / Dance Firmware	V 0	Search Dante Fi	IIIIware	
anize 🔻 New folder							1
CuraOutput	^	Name	Date modified	Туре	Size		
📙 Dealer Projects		SA2-Dante_BK3_v1.0.dnt	4/10/2023 8:53 AM	DNT File	16,828 KB		
File requests		SA3-Dante_BK3_v1.0.dnt	4/10/2023 8:53 AM	DNT File	16,828 KB		
🛓 Jerry Backup		SA8-Dante_BK3_v1.0.dnt	4/10/2023 8:54 AM	DNT File	16,828 KB		
🛓 Jon Backup							
Manufacturing Work INstructions							
Official GIT							
OldLaptopDownloads							
patents							
Pictures							
Product Dev Roadmap							
🛓 Product Photos-CAD Files-Owner Manuals V2							
Product Photoshoot							
Product Planning							
Products	~						
File name: SA3-Dante BK3 v1.0 dot					Dante firmware	e image (*.dnt	t)

- Select "Override Device Matching".
- Make sure that only the DANTE cards we want to update are on the network or make sure to select the correct units on the next page.
- Next

	🔞 Dante Firmware Update Manager v3.10.6.2	—		×
	<u><u><u>A</u>udinate</u></u>			
	Firmware Update Manager			
	Select Firmware Update File			
	D: Drooboy/SASIDante/Daote fw/SA-8 Amplifier 8 input 0.0.3.dnt	Browse		
1	Dverride Device Matching			
				-
dn				
				J
				ĺ
				8
	Back	Next	_	_
L				

10. The softeware will scan the network for available cards. It will find all cards on the network, but only on the same subnet so it is important that they be on the same router or switch as the computer you are using!



11. Check box select the card to update and click START

		<u>iudi</u>	nate	2		
	Firm	ware Upda	ate Mana	ger		
	1 n	natching devices fo	ound (of 1 total)		
Ipload File: SA-8 Amplifie	er 8 input 0.0.3 (v4.2.3) for	Wisdom Audio Corporat	tion:SA-8 Amplifier W	ith DSP		
Select All						
Name	Manufacturer	Model	Version	IP		
	Has NOT yet b Ready to be u	peen program pdated.	med with M	anufacturer	specific firn	nwar

12. Press OK to this warning



13. Press OK to this warning



The upgrade firmware loads the Wisdom Specific Firmware. This ensures we have the latest firmware on the device at all times. The display will show the stages of the update until it is finished:



	🙍 Dante Firmware Update	Manager v3.10.6.2						- 🗆	×			
				6	last	•						
			- (21U (inat	e						
			Ē		ndata Mar							
n			FILL	nware u	poate Mar	lager						
	1 matching devices found (of 1 total)											
	Upload File: SA-8 Amplifier 8 input 0.0.3 (v4.2.3) for Wisdom Audio Corporation:SA-8 Amplifier With DSP											
	Select All											
	Name	Manufacturer	Model	Version	IP		Status					
	BKLYN-II-208a1e	-	Brooklyn-II	4.0.9.1	192.168.1.52	Updating (1/1): Hashing						
1												
/												
						Back	Refresh Star	t				
	Danta Firmuraa Undat	соў ам о Марадогу 2 10 6 2							::: 			
1	🔞 Dante Firmware Updat	сээ ям e Manager v3.10.6.2						- 0	×			
i i i	Dante Firmware Updat	e Manager v3.10.6.2		6110	linat	ρ		- 0	×			
t i i	76 Dante Firmware Updat	e Manager v3.10.6.2	(linat	<u>e</u>		- 0				
	🔞 Dante Firmware Updat	сээлм e Manager v3.10.6.2	Firr	<u>a</u>uc mware U	linat pdate Mar	<u>e</u> ager		- 0	×			
	C Dante Firmware Updat	e Manager v3.10.6.2	Firr	AUC mware U 1 matching dev	pdate Man	e ager tal)		- 0				
	Dante Firmware Updat	e Manager v3.10.6.2 8 Input 0.0.3 (v4.2.3) for	Firr Wisdom Audio Corporati	AUC mware U 1 <i>matching dev</i>	pdate Man	e nager tal		- 0				
	Dante Firmware Updat	e Manager v3.10.6.2 e Manager v3.10.6.2 8 input 0.0.3 (v4.2.3) for	Firr Wisdom Audio Corporati	Mare U 1 matching dev 101:SA-8 Amplifier W	pdate Man	e nager tal)		- 0	*			
	Va Dante Firmware Updat Upload File: SA-S Amplifier Select All Name	e Manager v3.10.6.2 8 input 0.0.3 (v4.2.3) for Manufacturer	Firr Wisdom Audio Corporati	mware U 1 matching dev lon:SA-8 Amplifier W	pdate Man pdate Man ices found (of 1 to th DSP	e hager ta)	Status	- 0				
	Upload File: SA-8 Amplifier Select All Name BKLYN-II-208a 1e	e Manager v3.10.6.2 8 input 0.0.3 (v4.2.3) for Manufacturer	Visdom Audio Corporati <u>Model</u> Brooklyn-II	Model of the second sec	pdate Man pdate Man th DSP IP 192.168.1.52	e nager tal) Update Done	Status	- 0				
	Upload File: SA-8 Amplifier Select All BKLYN-II-208a Ie	239 AM e Manager v3.10.6.2 8 input 0.0.3 (v4.2.3) for Manufacturer -	Visdom Audio Corporati Misdom Audio Corporati Model Brooklym-II	Marce U mware U 1 matching dev Inn:SA-8 Amplifier W Version 4.0.9.1	pdate Man ices found (of 1 to th DSP IP2. 168. 1.52	e hager tal)	Status	- 0				
	Upload File: SA-8 Amplifier Select All Name BIKLYN-II-208a IE	239 AM e Manager v3.10.6.2 8 input 0.0.3 (v4.2.3) for Manufacturer -	Firr Wisdom Audio Corporati Model Brooklym-II	Marce U mware U 1 matching dev 1 matching dev 1 matching dev 1 matching dev 1 matching dev 1 matching dev	pdate Man ices found (of 1 to th DSP IP2. 166. 1.52	e hager tal)	Status	- 0				
	Upload File: SA-8 Amplifier Select All Name SRLYN-II-208a Ie	239 AM e Manager v3.10.6.2 8 input 0.0.3 (v4.2.3) for Manufacturer -	Firr Wisdom Audio Corporati Model Brooklyn-II	Mare U mware U 1 matching dev 1 matching dev	pdate Man inces found (of 1 to th DSP IP2. 168.1.52	e ager tal)	Status	- 0]			
	Upload File: SA-8 Amplifier Select All Name BRLYN-II-208a Ie	Cos AM Cos AM	Firr Wisdom Audio Corporati Wodel Brooklyn-II	Monte Contracting dev 1 matching dev	pdate Man ices found (of 1 to th DSP IP2.168.1.52	e ager tal)	Status	- 0				
	Upload File: SA-8 Amplifier Select All Name BRLYN-II-208a 1e	239 AM e Manager v3.10.6.2 8 input 0.0.3 (v4.2.3) for Manufacturer -	Firr Wisdom Audio Corporati Wodel Brooklyn-II	More U mware U 1 matching dev ton:SA-8 amplifier Wi kon:SA-8 amplifier Wi 1 wersion 4.0.9.1	pdate Man ices found (of 1 to th DSP IP2.168.1.52	e ager tal)	Status	- 0				
	Upload File: SA-8 Amplifier Select All Name Z BKLYN-II-208a 1e	239 AM e Manager v3.10.6.2 8 input 0.0.3 (v4.2.3) for Manufacturer -	Firr Wisdom Audio Corporati Model Brooklyn-II	ware U 1 matching dev 1 matching dev 1 matching dev 1 matching dev 1 matching dev 1 matching dev	pdate Man ices found (of 1 to th DSP IP2.168.1.52	e ager tal)	Status	- 0				
	Dante Firmware Updat	Cos AM Cos AM Cos Anager v3.10.6.2 Anager v3.10.6.2 Manufacturer -	Firr Wisdom Audio Corporati Model Brooklyn-II	ware U 1 matching dev 1 matching dev 1 matching dev 1 matching dev 1 matching dev 1 matching dev	pdate Man ices found (of 1 to th DSP 192.168.1.52	e ager tal)	Status	- 0				
	Dante Firmware Updat	Cos AM Cos AM	Firr Wisdom Audio Corporati Model Brooklyn-II	ware U 1 matching dev 1 matching dev 1 matching dev 1 matching dev 1 matching dev 1 matching dev	pdate Man icces found (of 1 to th DSP 192.168.1.52	e ager tal)	Status	- 0				
	Dante Firmware Updat Upload File: SA-8 Amplifier Select All Name 2 BHJYN-II-208a 1e	Cost AM C	Firr Wisdom Audio Corporati Model Brooklyn-II	ware U 1 matching dev 1 matching dev 1 matching dev 1 matching dev 1 matching dev 1 matching dev	pdate Man icces found (of 1 to th DSP 192.168.1.52	e ager tal	Status					
	Dante Firmware Updat Upload File: SA-8 Amplifier Select All Name 2 BHJ YN-II-208a 1e	Cost AM C	Firr Wisdom Audio Corporati Model Brooklyn-II	ware U 1 matching dev 1 matching dev 1 matching dev 1 matching dev 1 matching dev 1 matching dev 1 matching dev	pdate Man icces found (of 1 to th DSP 192.168.1.52	e ager tal	Status Refresh Quit					



- 14. Reboot hardware by power cycling the amplifier.
- 15. Quit if done



Device Info Tab shows list of hardware connected

.

👱 Dante Controller - Network View										
<u>F</u> ile <u>D</u> evices View Help										
🗉 🖌 🛋 💽		۱		Prim	ary Leader (Clock: SA-8DSP-2	08a1e			0
Search	Routing Device In	fo Clock Status Network	Status Eve	nts						
Clear All	Device Name	Model Name	Product Version	Dante Version	Device Lock	Primary Address	Primary Link Speed	Secondary Address	Secondary Link Speed	, I
Device Lock ■	SA-8DSP-208a1e	SA-8 Amplifier With DSP	0.0.3	4.2.3.13		192.168.1.52	1Gbps	N/A	N/A	^
🗄 Media Type										
Latency										
E Subscriptions										
Tx Multicast Flows										
AES67										
										~
P: 📃		1 dev	vices		Multicast	Audio Bandwidt	h: Obps Event L	.og: 📕 Clock S	Status Monitor:	