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### Dante module firmware update procedures

The firmware for the TASCAM products Dante module installed in the unit can be updated using an application installed on a computer connected to the Primary network.

Please download the latest applications compatible with the computer operating system from the Audinate website links below and install them on the computer before starting the firmware update.

#### Dante Controller

https://www.audinate.com/products/software/dante-controller

### Important information about checking the version and update procedures

 When Dante Controller is launched, the screen shown below will open. The device name will appear if the computer and the Dante

device are connected properly.

To check the version of a device, double-click its name.



2. Click the "Status" tab.

The version number is shown below framed in red ( $\square$ ). Updating is not necessary if the number shown here is the same or newer than the firmware version you intend to use for the update.

e Wenne Den Tob		
🕀 🛰 🔤 🔀 خ	S1=32D=1169	0
eceive Transmit Status	Latency Device Config Network Config AES87 Config	
Device Inform	sation	
	Manufacture: TEAC Corporation Product Type: ML=12D	
	Product Version: 110	
	Firmware Version: 1.0.0	
Dante Inform	ation	
	Model: Brooklyn II Dante Firmene Version: 31822	
	Hardware Version 4325	
	TO TO DOI VIENDE LENS	
UIDOK Synchr	onization	
	Nute Status: Unimuted Sync Status: Master	
	External Word Clock: No Preferred: No	
	Frequency Offset 0 ppm	
finterfaces -		
	MAC Address 001DC1118884	
P	IG Tx Utilisation 23 Kbps Errors I	ntero
	KX Utilisation U kpps Errors I	

#### NOTE

The model name of the Dante module included in the Dante device can be checked in the area outlined below in red.



If and only if the model name is one of the following, updating is also possible using the procedures in "Updating when the firmware has been downloaded from the TASCAM website" on page 4.

- Brooklyn II
- UltimoX2
- UltimoX4

#### Dante module firmware update procedures

Follow the procedures below to use Dante Controller to update Dante firmware.

#### NOTE

If the Dante device is not connected to the Internet, first follow the procedures in "Downloading Dante module firmware in advance" on page 3.

1. Launch Dante Controller.

Left-click the icon in the red box ( 🔲 ) to launch Dante Updater.

<u>@</u>
File Device View Help
Routine Device Info Clock Status Network Status Events

#### NOTE

Login will be requested in Dante Updater even if logged into DDM in Dante Controller. Input the password and left-click "LOGIN".

DDM (172.2	9.198.205/TASCAM) LOGIN		
User adr	nin		
Password			
Updating de the same su information	vices in DDM networks requires that Dante Up bnet, or a fully-routed network. See the user g	dater and D uide for mor	DM are in e
		LOGIN	CANCEL

After Dante Updater launches, click the area shown in the red frame ( ), and select the domain used by the device you want to update.

					Dante Updater 1.0.	1			-	
ME LERA							e	таясам	- 1 -	lmin ?
▼ UPDATI	E(S) AV/	AILABLE							-	
UPDATE	DEV	ICE NAME		MANUFACTURER	MODEL NAME	STATUS	PRODUCT	LATEST PRODUCT VERSION	DANTE	LATEST DANTE VERSION
	•	MM-4DIN	/E-crnt	TEAC Corporation	MM-4D/IN	🖌 Out of date	1.0.0	1.0.0	4.1.3.5	4.1.6.7
LECT ALL	CLEAR A	11.							UPDATE	ELECTED DEMC

**2.** Open "UPDATE(S) AVAILABLE" in Dante Updater and check the availability of updates.

			Dance opdater 1.0.4					_
HOME LERARY								
▼ UPDATE(S	5) AVAILABLE							
UPDATE -	- DEVICE NAME -	- MANUFACTURER ~-	MODEL NAME	STATUS ~~	PRODUCT	LATEST PRODUCT VERSION	DANTE	LATEST DANTE VERSION
	MM-4DIN/E-cmt	TEAC Corporation	MM-4D/IN	Out of date	1.0.0	1.0.0	4.1.3.5	4.1.6.7
▶ UP-TO-DA	NTE .							
CONSULT	MANUFACTURER							

**3.** Put a check (✓) next to the device you want to update. Then, left-click "UPDATE SELECTED DEVICES" at the bottom right.

			Dante Updater 1.0.4	1				
INE LIBRARY								9
VPDATE(S)	AVAILABLE							
UPDAZE ~~	DEVICE NAME	MANUFACTURER ~-	MODEL NAME	STATUS ~-	PRODUCT	LATEST PRODUCT VERSION	DANTE	LATEST DANTE
	MM-4DIN/E-crit	TEAC Corporation	MM-40/IN	🔷 Out of date	1.0.0	1.0.0	4.1.3.5	4.1.6.7
UP-TO-DAT								
							_	
ELECT ALL CLEA	NR ALL						UPDATE S	ELECTED DEV

A confirmation pop-up screen will appear.

**4.** Put a check (✓) next to "I understand that audio will be interrupted." Then, left-click "UPDATE NOW" at the bottom right.

		1 DEVICES WILL BE UPDATED		8
1	DEVICE NAME	IP ADDRESS	UPDATE STATUS	-
JPC	MM-4DIN/E-crnt	172.29.198.14	Ready for update	
• 1	A Do not power	off or a sconnect your computer or devices while up anderstand that audio will be interrupted.	Sates are in progress	]-

This starts the update.



**5.** When the update completes, the following pop-up will appear.

Since restarting the device is necessary, put a check next to "REBOOT REQUIRED". Then, left-click "REBOOT SELECTED DEVICES" at the bottom left.

		UPDATING COMPLETED		
L	DEVICE NAME	IP ADDRESS	UPDATE STATUS	
	MM-4DIN/E-crnt	172.29.198.14	🗵 R BOOT REQUIRED	

**6.** When the device restarts, the following pop-up will appear. Left-click "CLOSE" at the bottom right.

	UPDATING COMPLETED	
DEVICE NAME	IP ACORESS	UPDATE STATUS
MM-4DIN/E-crnt	172.29.198.14	✓ Successful

**7.** After the device has restarted, it will appear in the UP-TO-DATE section of Dante Updater.

UPDATE(S) AVAILABLE			
▼ UP-TO-DATE			
DEVICE NAME	MANUSACTURER	~~ MODEL NAME	··· PRODUCT ··· DANTE VERSION ··· VERSIO
MM-4DIN/E-crint	TEAC Corporation	MM-4D/IN	1.0.0 4.1.6.
▶ CONSULT MANUFACTURE	R		
CONSULT MANUFACTURE	R		
CONSULT MANUFACTURE	R		
CONSULT MANUFACTURE	R		
CONSULT MANUFACTURE	R		
CONSULT MANUFACTURE	R		
CONSULT MANUFACTURE	R		
CONSULT MANUFACTURE	R		
CONSULT MANUFACTURE	R		
CONSULT MANUFACTURE	R		
CONSULT MANUFACTURE	R		
CONSULT MANUFACTURE	R		
CONSULT MANUFACTURE	8		

This completes the procedure.

Quit Dante Updater, and use Dante Controller to confirm the version.

### Downloading Dante module firmware in advance

To update a Dante device without connecting it to the Internet, connecting a computer that has Dante Controller installed to the Internet once and downloading the Dante module firmware beforehand is necessary.

- 1. Connect the computer to the Internet.
- **2.** Launch Dante Controller.

Left-click the icon in the red box ( 🔲 ) to launch Dante Updater.

<u>@</u>
File Device View Help
Routing Device Info Clock Status Network Status Events

**3.** Download the update data from the Audinate server. Select "LIBRARY" at the top of the window, and search for "TEAC" in the search field at the top right.

					TEAC		
MANUFACTURER	MODEL NAME	status 🔹	PRODUCT VERSION	DANTE VERSION **	RELEASE DATE	DEVICE LAST DISCOVERED	COPY TO LOCAL
TEAC Corporation	SB-16D		1.0.1	4.2.7.7	Thu, Oct 19, 2023	Oct 26, 4:25 PM	
TEAC Corporation	Sonicview	٠	1.0.1	4.2.3.13	Fri, Mar 17, 2023	Mar 17, 2:38 PM	
TEAC Corporation	ML-16D	٠	1.0.0	4.0.8.2	Thu, Aug 1, 2019		
TEAC Corporation	IF-DA2	٠	1.0.0	4.1.1.4	Thu, Aug 1, 2019		

4. Put a check (✓) next to the necessary device, and left-click " DOWNLOAD FIRMWARE " at the bottom left.

							IEAC		
	MANUFACTURER ···	MODEL NAME	status 🕶	PRODUCT .	DANTE VERSION **	RELEASE D	ATE 🕶	DEVICE LAST DISCOVERED	COPY TO LOCAL
•	TEAC Corporation	SB-16D	٠	1.0.1	4.2.7.7	Thu, Oct	19, 2023	Oct 26, 4:25 PM	
	TEAC Corporation	Sonicview	•	1.0.1	4.2.3.13	Fri, Mar	17, 2023	Mar 17, 2:38 PM	
	TEAC Corporation	ML-16D	٠	1.0.0	4.0.8.2	Thu, Aug	1, 2019		
0	TEAC Corporation	IF-DA2	٠	1.0.0	4.1.1.4	Thu, Aug	; 1, 2019		

This starts the download.

BROOKLYN-III(TEAC CORPORATION) FILE DOWNLOADING	
45 %	
Downloading files (1/1)	
	CANCEL

When the download completes, the STATUS icon will change as follows.

						TEAC		
MANUFACTURER	**	MODEL NAME	STATUS -	PRODUCT	TA DANTE VERSION TA	RELEASE DATE	DEVICE LAST DISCOVERED	COPY TO LOCAL
TEAC Corporation		SB-16D	×.	1.0.1	4.2.7.7	Thu, Oct 19, 2023	Oct 26, 4:25 PM	COPY
TEAC Corporation		Sonicview	۰	1.0.1	4.2.3.13	Fri, Mar 17, 2023	Mar 17, 2:38 PM	
TEAC Corporation		ML-16D	٠	1.0.0	4.0.8.2	Thu, Aug 1, 2019		
TEAC Corporation		IF-DA2	٠	1.0.0	4.1.1.4	Thu, Aug 1, 2019		

**5.** Disconnect the computer from the Internet, and connect to the Dante network.

This completes preparation.

### Updating when the firmware has been downloaded from the TASCAM website

If and only if the model name is one of the following, Dante Firmware Update Manager can be used to update the unit with an updater downloaded from the TASCAM website.

- Brooklyn II
- UltimoX2
- UltimoX4

Please download the latest applications compatible with the computer operating system from the Audinate website links below and install them on the computer before starting the firmware update.

- Dante Firmware Update Manager https://www.audinate.com/products/firmware-update-manager
- Download the latest firmware from the TEAC Global Site (https://teac-global.com/).
   If the downloaded file is in ZIP format or another compressed file type, decompress it.
- After downloading and decompressing the latest Dante update file, copy it to any directory. (For example, copy it to the desktop.)
- **3.** Use a LAN cable to connect the computer Ethernet port and the unit Ethernet port.
- Launch the Dante Firmware Update Manager installed on the computer.
   After launching, the following screen will appear. Click the "Next" button.



5. Click the "Update Dante Firmware" button.



Click the "Browse" button. Then, select and open the file copied in step 2.

Click the "Next" button.

Firmware Up	date Manager
Seect Himne	are update He
C:WUsersWAPD_JIKKENWDesktopWML-32D_V1-1.0	3.0.dnt Browse

7. When the following screen appears, if "Finding matching devices..." is shown in the area framed in red ( ), the application is looking for Dante devices that can be updated with the Dante module firmware selected in step 6. Wait while it does so.

	Firmwa	are Upda ndna matchina	te Manage	er	
load File: ML-32D_V	1.1.0.0 (v4.0.8) for TEAC (	Corporation:ML-320	)		
Select AI	Manufacturer	Model	Version	IP	

When the text framed in red ( ) becomes "XX matching devices found (of YY total)", this shows the total number of devices connected to the same Dante network as the computer (YY) and how many can be updated (XX).

#### ATTENTION

If the text framed in red ( ) becomes "No matching devices found (of YY total)", confirm that the device you want to update is connected properly to the computer.

When the text framed in red ( $\Box$ ) becomes "XX matching 8. devices found (of YY total)", put a check (✔) next to the Dante device you want to update, and click the "Start" button.

		Δu	Idin	ate		
		Firmwar	e Update	Manager		
		1 matching	g devices found	(of I tota)		
Upload File: ML-320,	V1.1.0.0 (v4.0.8) for TE	AC Corporation/ML-3	20			
Select Al						
- 110, 116084	TELC Comparison	M. 110	210.2.2	172 35 108 54	Hadding (1/1): Babing	

9. Click the "OK" button.

> Clicking the "OK" button starts the Dante module firmware update.

> Updating could take about 3-10 minutes, during which no progress may be visible at times.



10. When the following pop-up message appears, click the "OK" button.



11. Click the "Quit" button to quit Dante Firmware Update Manager.



- **12.** Put the unit power into off, and wait about 10 seconds. After waiting about 10 seconds, turn the unit on.
- 13. Launch the Dante Controller application installed on the computer.
- 14. When Dante Controller is launched, the screen shown below will open.

The device name will appear if the computer and the Dante device are connected properly. Γ

Double-click the name of the device that	you just updated.
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15. Click the "Status" tab, and confirm that the version numbers framed in red ( $\square$ ) are the latest, completing the update.



### Recovery procedures if a failure occurs during Dante module firmware update

If an update fails while underway because, for example, the app was forcibly quit or the network connection was interrupted, the name of the device will appear red in Dante Controller to show that it is in fail-safe mode.

- The following procedures must be conducted to recover.
- 1. Launch Dante Controller.

Double-click the name of the Dante device shown in red. An indication like the one framed in red ( ) shows that it is in fail-safe mode.

Make a note of the 6 alphanumeric characters (digits) indicated by dotted red lines ( \_\_\_\_ ).

👷 Dante Controller - Network View	
File Device View Help	
🗉 🔣 🖿 ★ 🛋 🕀	Master Clock: Unknown
Routine Device Info   Clock Status   Network Stat	as Events
@Dante <sup>~</sup>	Dente Controller - Device View (AUD-0d0cs4)     File Device View Help
Filter Transmitters ge	
Filter Receivers	Device 'AUD-0d0ca4' has entered fail-safe mode
Dents	Power failure during firmware upgrade     Network failure during firmware upgrade     Upgrading with a corrupted firmware image
Dante Receivers	

**2.** Launch Dante Firmware Update Manager, and click the "Next" button.



3. Click the "Failsafe Recovery" button.



If any devices in fail-safe mode are on the network, their Mac addresses will be shown after scanning.
If the 6 alphanumeric characters (digits) that you made note of in step 1 match the 6 characters shown (\_\_\_\_), put a check (✓) next to it and click the "Start" button.

		Eirmu		Into Man		
		1000	Ready to start :	ate recovery.	ayei	
Expan	ded Search					
Falsafe	Recovery Directory:					
	MAC Address	IP Address	BOOTP RX Port	BOOTP TX Port	s	tatus
1 4	00:1d:c1:0d:0c:a4		6700	6800		
		•				

 Click the "OK" to start Recovery mode. Recovery mode could take about 3–10 minutes.



6. Click the "OK" button.

Put the unit power into off, and wait about 10 seconds before turning it on again.

Dante Firmware Update I	Manager v3.10.1.2	
	Firmware Update Manag	er
Expanded Search		
Falsafe Recovery Directory:	C:#Program Files (x86)#Audinate#Dante Firmware U	pdate Manager#Restore
MAC Address	IP Address BOOTP RX Port BOOTP TX Port	Status
1 00:1d:c17 Recovery	r image loaded	83 store-r3.img
0	Recovery image uploaded. Please wait for device t recovery process and restart. This might take up to two minutes.	to complete
		ок
·	III Back Scar	h Start

7. Launch Dante Controller, and confirm that the name of the updated device appears black, showing that it has been recovered.

