# **CDD-LIVE!** Firmware Update

## 

We are delighted to announce a firmware update for the CDD-LIVE range which along with some other enhancements fundamentally improves the stability of the Ethernet connection in a given system.

### Which Products may be updated?

The firmware is applicable to all products in the CDD-LIVE range;-

- CDD-LIVE 8
- CDD-LIVE 12
- CDD-LIVE 15
- CSX-LIVE 118
- CSX-LIVE 218

#### Release Notes - 1.1.29

• This firmware fixes issues of CDD-LIVE speakers sometimes losing their connection to the control PC, when the network's IP addresses are being managed by a DHCP server and the DHCP sever is power cycled but the CDD-LIVE speakers are left powered up.

• In the above circumstance, if the network connection between PC and a CDD-LIVE speaker became interrupted (network unplugged for example), while these devices were communicating, the CDD-LIVE speaker would not re-establish communication with the PC until after the CDD-LIVE was power cycled. This firmware release also fixes this.

### How to Update the Firmware

The Vu-Net User guide has a chapter dedicated to Firmware Updates. This can be downloaded from the Martin Audio website here;-

#### https://martin-audio.com/software

We strongly recommend downloading the guide is you don't already have a copy not just for updating firmware but as a useful manual for using Vu-Net for controlling and monitoring CDD-LIVE or indeed any of Martin Audio's multicellular products. A quick summary of the firmware update is as follows;-

- 1. First make sure your PC is connected to a good internet connection before connecting to your CDD-LIVE cabinets
- Run Vu-Net v2.0, without creating a new project, click on the Firmware update button in the bottom right corner of the window;-



3. This will open the Firmware Updater window which looks like this;-

Firmware Updater	X
VUNet Firmware Database is 71 DAY(S) OLD.	
DOWNLOAD THE LATEST FIRMWARE FILES	
Download the latest firmware files to the VUNet Firmware Database. A connection to the Internet is required.	
PROCEED WITH FIRMWARE UPGRADE USING VUNET FIRMWARE DATABASE	
Upgrade firmware in the connected devices using the VUNet Firmware Database A connection to the Internet is NOT required.	
PROCEED WITH FIRMWARE UPGRADE USING EXTERNAL VUA FILE	
Upgrade firmware in the connected devices using the ".VUA (VUNet Update Arc file which can be downloaded from the Martin Audio website Please use this option only if the VUNet Firmware Database is obsolete and can be updated using the "DOWNLOAD THE LATEST FIRMWARE FILES" button. A connection to the Internet is NOT required.	hive) not
Close	

4. At the top of the window we can see how old the firmware database is. Select 'DOWNLOAD THE LATEST FIRMWARE FILES'. This will connect to the Firmware Server over the web and will download the latest firmware files including the new version for the CDD Live range. You will see the following window while the download is in progress;-

Progress	s Information	
0	Retrieving firmware files	
-		
	(	Cancel

The progress bar usually moves very rapidly but the speed is dependent on the speed of your internet connection. Once completed you will see the text at the top of the window change;-





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- 5. Now connect all of your CDD Live speakers using a network that has DHCP support (if necessary you can disconnect your internet connection as it is no longer required). We strongly recommend a wired connection from the PC to the network router and NOT wi-fi when running firmware updates, if network connectivity is lost mid-update it can leave speakers in an unusable state. The CDD User Guide has details of how to create networks using the CDD range.
- Now from the same window, select 'PROCEED WITH FIRMWARE UPGRADE USING VUNET FIRMWARE DATABASE' Vu-Net will scan the network for connected CDD speakers;-

0	Please wait, discovering devices on the network	
		Cancel

When the scan is completed a window will appear showing a list of all devices found together with their type, U-Net serial number and firmware version. They will all show that a firmware update is available;-

ircovered devicer-4 CDDL 1 CSYL				000
Name	Туре	Serial number	Firmware	Upgrade available
CDD LIVE 001	CDDL	FF20801A200	1.1.7	YES
CDD LIVE 002	CDDL	FF20805BD00	1.1.7	YES
CDD LIVE 003	CDDL	FF20805E600	1.1.7	YES
CDD LIVE 004	CDDL	FF208071000	1.1.7	YES
CSX LIVE 001	CSXL	FF208019900	1.1.7	YES
SelectAll Upgradable (green)) [I	DeselectAll			Refresh

As you can see, the CDD-LIVE products found have firmware version 1.1.7, the current Production release, installed which is highlighted as a new version is available signified by the "YES" in the final column.

 Now click on the 'Select All Upgradable (green)' button which will add a tick in the check box by each CDD-LIVE speaker listed;-

Name	Туре	Serial number	Firmware	Upgrade available	
CDD LIVE 001	CDDL	FF20801A200	1.1.7	YES	
CDD LIVE 002	CDDL	FF20805BD00	1.1.7	YES	
CDD LIVE 003	CDDL	CDDL FF20805E600 1.1.7			
CDD LIVE 004	CDDL	FF208071000	1.1.7	YES	
CSX LIVE 001	CSXL	FF208019900	1.1.7	YES	
Select All Upgradable (green)	DeselectAll	< Back Next	> Finis	Refresh	

8. Click 'Next >' and the following window appears;-

Name	Type	Serial number	Current firmware	Upgrade/Downgrade to
CDD LIVE 001	CDDL	FF20801A200	1.1.7	CDDL 8-1.1.13
CDD LIVE 002	CDDL	FF20805BD00	1.1.7	CDDL_12 - 1.1.13
CDD LIVE 003	CDDL	FF20805E600	1.1.7	CDDL_12 - 1.1.13
CDD LIVE 004	CDDL	FF208071000	1.1.7	CDDL_8 - 1.1.13
CSX LIVE 001	CSXL	FF208019900	1.1.7	CSXL_218 - 1.1.13

You can see the current firmware installed in each cabinet which is version 1.1.7 and the new version which is 1.1.13.

9. Click 'Next >' to start the update, observe the warning on the window that appears;-

Firmware update	
Warning Update is about to start	0.0.0
USE A WIRED CONNECTION BETWEEN PC AND THE DEVICES DO NOT TURN OF OR DISCONNECT DEVICES IT IS RECOMMENDED TO DISCONNECT ALL UNET DEVICES(SPEAKER: WHEN UPDATING MERLIN FIRMWARE Press "Next" to start the update process.	5)
< Back Next >	Finish Cancel



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Click 'Next >' once more to start the firmware update.

10. You will see the update process progressing;-

Ipdate Update process			_	0,0,0
Updating CDD1 (CDD LIVE 001) Retrieving update files OK -> Checking bootloader version -> Rebooting module to boot mode				^
	- Post	Net		·
	- DUCK	1100	- THISH	concer
Firmware update				
Firmware update j <b>pdate</b> Update process			4	0,0,0
Firmware update  pdate  pdate Update process  Updating CDDL (CDD LIVE 001) Retrieving update files OK ->> Checking bootloader version ->> Rebooting module to boot mode OK DSP APPLCATION UPDATE ->> Rebooting module to boot mode . OK ->> Intilaising update OK ->> Writing data				0.0.0
Firmware update  pdate  pdate Update process  Updating CDDL (CDD LIVE 001) Retrieving update files OK ->> Checking bootloader version ->> Rebooting module to boot mode OK DSP APPLCATION UPDATE ->> Netbooting update OK ->> Writing data	< Back	Next >	Finish	Cancel

Firmware upd	ate										23
Update Update process								-	Ő,	Ô	Ò,
> Rebooting r > Initialising u > Writing data	nodule to b pdate Ok	oot mode .	ок					 ОК			^
> Rebooting r > Rebooting r > Restoring d Updating CDDI Retrieving upda > Checking b > Rebooting r > Rebooting r > Rebooting r > Initialising u	Upda	te status The update	process has I	been succ	essfully com	pleted.		ОК	×		E
> Writing data > Finalising u > Rebooting r > Rebooting r > Restoring d	odate . OK nodule to s nodule to s sfaults OF	tandard moi tandard moi	de OK de . OK					OK			
					< Back	1	Next >	Finish		Cancel	

Click 'OK' and 'Finish' and the update is complete.

Note: when upgrading firmware using the self-assign IP mode of the CDD-Live product, at this stage it will show that the update has failed. This is because when the CDD-Live is rebooted after the firmware update, it will take about 1 minute to self-allocate an IP address. Before this time, Vunet can't reconnect to it.

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