



Solid State Logic Live Console Instructions

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Introduction

This document contains essential information – please read it carefully before making any attempt to upgrade the system. If any steps are unclear or your system does not meet the requirements stated below, contact your local SSL office prior to attempting this update.

This document describes the software and firmware installation for SSL Live consoles, MADI I/O and local/remote Dante routing hardware (Local Dante Expander, BL II Bridge and X-Light Bridge) where applicable. For Network I/O stage box update instructions, refer to the download package linked below.

Document Revision History

V1.0	Initial release	EA	June 2023
V1.1	Incorporates Net IO V4.4 Package release	EA	August 2023

Requirements

- Console running V4 software or later
- Blank USB drive – 8GB or larger – for Flat Install image
- Additional USB drive for backing up console files
- USB Keyboard
- Live V5.2.18 software image file
- [Rufus V3.5](#) software installed on a Windows PC
- [Optional] Live SOLSA V5.2.18 Installer
- [Optional] Network I/O Stage box V4.4 firmware updates
- [Optional] [WinMD5](#) checksum validation tool installed on a Windows PC
- [Optional] [TeamViewer Installer](#) and login credentials (service use only)

Important Notes

1. USB-based FPP Dante Control network interfaces installed in early Live consoles are no longer supported. If the console has not yet been upgraded to a PCIe-based network interface, [contact your local support office](#) prior to commencing the update.
2. The console must be running version V4.10.17 Control Software or later. If the console is running earlier software, [contact your local support office](#) prior to commencing the update.
3. Refer to the 'Known Issues' section of the V5.2.18 Feature Release Notes document.

4. The optional installer for TeamViewer is included in this release. If reinstallation of TeamViewer is required, [contact your local support office](#) to extract the existing .exe installer file prior to commencing the update.
Once extracted, reinstallation can be completed at any time after the update.
5. Show files subsequently saved in V5.2.18 cannot be loaded in earlier console software.

Console Software & Firmware Overview

Numbers in **bold** denote **new** software and firmware versions for the release.

Control Software		V5.0.13	V5.1.6	V5.1.14	V5.2.18
Operating System		3.493.4.0	3.493.6.0	3.559.5.0	3.574.5
OCP Software	L650	5.607.01.14	5.615.01.14	5.615.02.14	5.623.01.14
	L550	5.607.01.11	5.615.01.11	5.615.02.11 5.615.02.14	5.623.01.11 5.623.01.14
	L450	5.607.01.14	5.615.01.14	5.615.02.14	5.623.01.14
	L350	5.607.01.8	5.615.01.8	5.615.02.8 5.615.02.14	5.623.01.8 5.623.01.14
	L500 Plus	5.607.01.2	5.615.01.2	5.615.02.2	5.623.01.2
	L500/L300	5.607.01.1	5.615.01.1	5.615.02.1	5.623.01.1
	L200/L100	5.607.01.7	5.615.01.7	5.615.02.7 5.615.02.15	5.623.01.7 5.623.01.15
Internal I/O 023 Card		2535/2538*			
OCP 020 Card	L350/L450/L550/L650	500778			
	L500/L500 Plus	6123			
	L100/L200/L300	500778			
L100/L200/L300 Internal 051 Card		6050			
L350/L450/L550/L650 Internal 051 Card(s)		6050			
022 Sync Card Main (excludes L100)		264			
022 Sync Card Core (excludes L100)		259			
L500/L500 Plus 034 Mezzanine Card		20720			
Dante Expander Card (Brooklyn 2)		V4.1.25701			
Dante Expander Card (Brooklyn 3)		N/A			V4.2.825
Fader / Master / Control Tile		25191	26334	28305	

*IO Card firmware version 2538 for consoles with both upper and lower 626023X5 cards fitted.

Please Note: The Update button next to the OCP Brooklyn Software entry in the system list will transfer the .dnt file to an attached USB stick. This Update button function is always active regardless of whether an update is required or not.

MADI I/O Firmware Overview

	V5.0.13	V5.1.6	V5.1.14	V5.2.18
Live I/O ML 023 Card	2535			
Live I/O ML 041 Card	2521			
Live I/O D32.32 041 Card	2521			
Live I/O D32.32 053 Card	2494			
BLII Concentrator 051 Card (Twin)	6036			
BLII Concentrator 051 Card (Single)	6050			

Network I/O Firmware/Software

	V5.0.13	V5.1.6	V5.1.14	V5.2.18
Network I/O Update Package	4.3			4.4
Network I/O Controller	1.11.6.44902			1.12.3.53172
Network I/O Updater	1.10.42678	1.10.6.49138		1.11.5.55670
SB 8.8 & SB i16 SSL Firmware	23927			
SB 8.8 + SB i16 Dante Firmware	4.1.25840			Bk2 4.1.25840 Bk3 4.2.825
SB 32.24 + SB16.12 SSL Firmware	26621			Mk1 28711 Mk2 128711
SB 32.24 + SB16.12 Dante Firmware Main (A)	4.1.26041			Bk2 4.1.26041 Bk3 4.2.825
SB 32.24 + SB16.12 Dante Firmware Comp (B)	4.1.26041			Bk2 4.1.26041 Bk3 4.2.825
A16.D16, A32, D64 SSL Firmware	26506			Mk1 28711 Mk2 128711

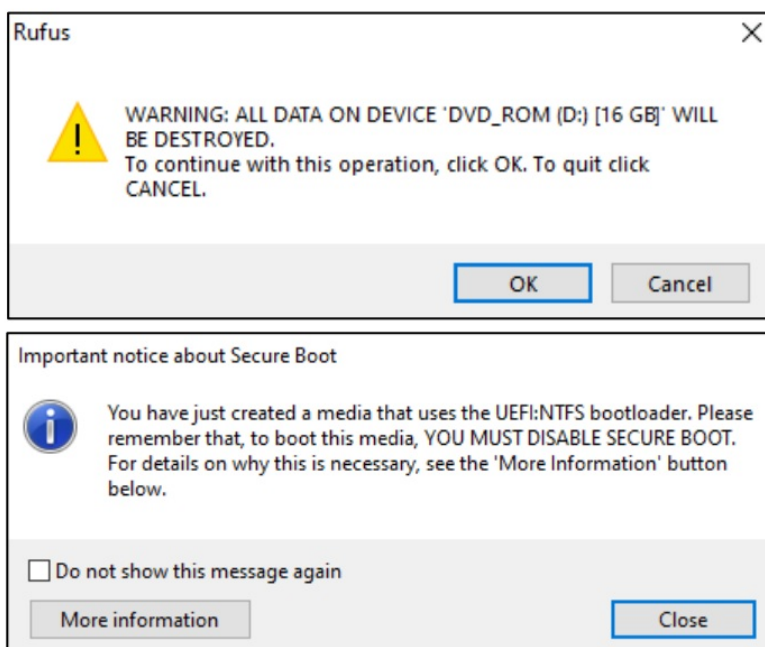
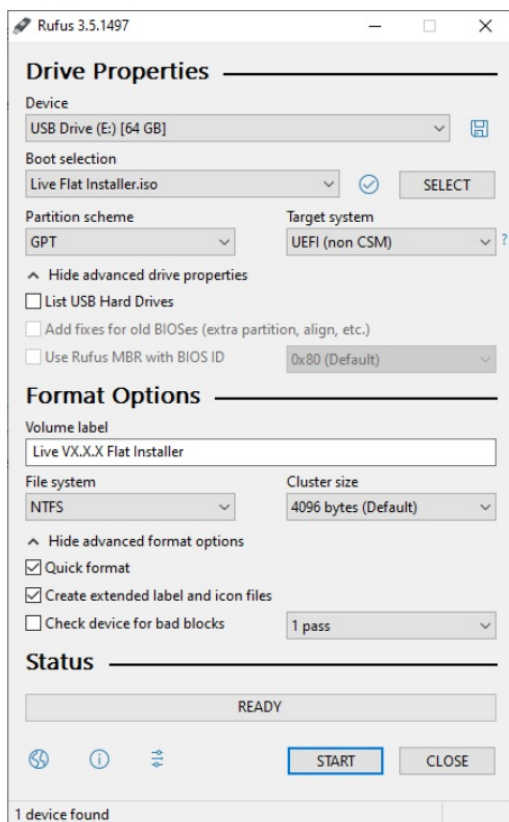
A16.D16, A32, D64 Dante Firmware	4.1.25796	Bk2 4.1.25796 Bk3 4.2.825
BLII Bridge SSL Firmware	23741	
BLII Bridge Dante Firmware	4.1.25703	
X-Light Bridge SSL Firmware	23741	
X-Light Bridge Dante Firmware	4.1.25703	
GPIO 32 SSL Firmware	25547	28711
GPIO 32 Dante Firmware	4.1.25796	Bk2 4.1.25796 Bk3 4.2.825
PCIe-R Dante Firmware	4.2.0.9	
MADI Bridge SSL Firmware	24799	
MADI Bridge Dante Firmware	4.1.25700	Bk2 4.1.25700 Bk3 4.2.825

App Version Overview

	V5.0.13	V5.1.6	V5.1.14	V5.2.18
TaCo App – Android and iOS	4.6.0			
TaCo App – macOS	4.6.1			
Help App	14.0.3	livehelp.solidstatellogic.com		

Create the Flat Install USB Stick

1. Download the Live V5.2.18 software image file using the link above.
2. [Optional] Run a checksum on the downloaded file using WinMD5. The checksum value is:
cc384499016ee6418eb47980481bd764
3. Download Rufus 3.5 and run the .exe application. Select the software image file in Boot selection, choose the correct USB drive under Device, and ensure the Partition scheme is set to GPT.
4. Enter a suitable Volume label so that the drive can be identified in future. e.g. Live V5.2.18 Flat Installer
5. Select Start and Confirm that you wish to erase all data on the USB drive by clicking OK. Rufus will now partition your device and copy the files. (USB2 will take approximately 30mins, USB3 5mins)
6. Once the process is complete there will be an 'Important notice about Secure Boot'. This can be ignored – press Close. The USB Flat Installer is now ready to be used.



Please Note: A USB memory stick that identifies itself as a fixed hard disk will not be suitable for this update. Use a USB stick that identifies itself as a removable storage device.

Install Console Software

Preparation and Update Order

1. Backup of system files – insert a spare USB drive (not Flat Installer) then navigate to Menu>Setup>System/Power to use the Backup Data function.
2. Load a blank show file template – clears routing and relinquishes any ownership.
3. Set console to Internal clock and 96 kHz operational mode.
4. Power off the console.
5. Remove external screen connections.
6. Remove or power off ancillary I/O, network and USB devices not required for the update.
7. Update console FPP Control Software (flat install).
8. Automatic OCP (DSP Engine) software updates.
9. Update Control Surface tiles/assembly firmware from GUI.
10. Network I/O V4.4 Package updates
11. Other updates including SOLSA and TeamViewer re-installation where relevant.

Operating System & Control Software Update

1. Insert the USB install stick and a keyboard to any available USB ports.
2. Power on the console and tap F7 on the keyboard continuously to open the Boot Manager menu. Note that the appearance of this menu may differ between consoles.
3. Use the Up/Down arrow keys on the keyboard to select the UEFI/EFI device as per the screenshots below, then press Enter. The console will now boot from the installer.


```

Please select boot device:

P1: INTEL SSDSC2BA100G3
TOSHIBA USB FLASH DRIVE PMAP
UEFI: TOSHIBA USB FLASH DRIVE PMAP
UEFI: TOSHIBA USB FLASH DRIVE PMAP
Enter Setup

↑ and ↓ to move selection
ENTER to select boot device
ESC to boot using defaults

```

or

```

Boot Manager

Boot Option Menu

Legacy Hard Drive
INTEL SSDSC2BA100G3
Legacy USB
KingstonDataTraveler 3.0
EFI Boot Devices
EFI USB Device (KingstonDataTraveler 3.0)

↑ and ↓ to change option, ENTER to select an option, ESC to exit

```

4. A screen showing 'Windows is Loading Files....' will appear for a few minutes, then a Command Prompt window 'Solid State Logic Tempest Installer' will be shown with a list of selection options numbered 1-6. Choose option 1) Install image and KEEP user data. This retains the existing console configuration.

```

=====
Solid State Logic Tempest Installer
=====

SystemI_MB Main Menu
Please choose from the options below

1) Install image and KEEP user data
2) Install image and ERASE user data
3) Restore user data
4) Factory reset
5) Goto command prompt
6) Do nothing and reboot

[1,2,3,4,5,6]?_

```

5. Progress will be shown at the bottom of this window as a percentage, taking approximately 5 minutes to complete. Upon completion, the message 'The operation completed successfully. Please press 1 to REBOOT.' is displayed. Follow the onscreen instruction and press number 1 on the keyboard to reboot:

```

Installing image on C:

ImageX Tool for Windows
Copyright (C) Microsoft Corp. All rights reserved.
Version: 6.1.7600.16385

[ 100% ] Applying progress
Successfully applied image.
Total elapsed time: 4 min 17 sec

The operation completed successfully.
The operation completed successfully.
The operation completed successfully.

Please press 1 to REBOOT

```

6. Windows Setup will begin with various progress screens and automatic restarts during this process. At times it may look like the installer is not active and your screen may go blank with a 'No Input' or 'Out of range' message.

Be patient and DO NOT power cycle the console during this process. When complete the console will boot into the usual Front Panel display/console GUI.

7. Navigate to MENU>Setup>System and verify that the Current Version numbers for the Control Software and Operating System match those listed in the table above.
8. Restart the console once more to permit the console name file to be read correctly.

OCP Software (automatic)

This process is automatic and will happen within three minutes of the FPP booting into the new software. Menu>Setup>System/Power will show 'Automatic Update Pending' next to the OCP Software entry, followed by 'Error: Connection Lost' for both this and OCP 020 Card. This is a result of code being downloaded and the OCP rebooting itself. Connection will reestablish itself shortly afterwards. Upon reconnection both the OCP and OCP 020 card will display their current version. Refer to the 'Console Software & Firmware Overview' table earlier in this document to confirm these.

OCP 020 Card (as required)

No update is required if the console was already running V4.11.x previously. If updating a console from V4.10.17 software the OCP 020 card will show a required update. Press-and-hold the Update button. Upon completion, restart the console and confirm the programmed version is correct, referencing the 'Console Software & Firmware Overview' table.

Update Surface Tiles

The Menu>Setup>System/Power page lists all connected control surface tiles and internal card assemblies that can be programmed. Required control surface updates are automatically prompted and can be completed in any order. Press-and-hold the active Update button(s). The screen and surface will be locked out while each update is in progress. Control surface tiles will automatically restart and reconnect upon completion. Repeat the process for all required tiles.

Additional Updates/Installations

Network I/O Updates

The Network I/O V4.4 Package includes all firmware and required applications for Network I/O stage boxes and other SSL Dante devices. Refer to the V4.4 Package documentation.

Please Note: Recent Network I/O devices use Bk3 instead of BkII modules; features are the same across both versions but the .dnt firmware files differ. Refer to the Firmware/Software tables above as well as the details in the Network I/O V4.4 Package documentation.

Live SOLSA Software

Download the package then refer to the included installation notes.

Installing TeamViewer

Contact your local [SSL Distributor](#) or [SSL Support office](#) to obtain a service code and full instructions if this feature is required. Instructions are available on the [SSL Support site](#) for registered Live users – see [Live Application Note 021](#).

Installing/Updating SSL Live TaCo Apps

TaCo's version number is displayed in the bottom right corner of the TaCo app. A new version of TaCo was released for V5.x console software – refer to the tables above for more information.

The TaCo app can be found in the app stores by searching "SSL Live TaCo" or from these links:

[Download SSL Live TaCo from the iOS App Store](#)

[Download SSL Live TaCo from the macOS App Store](#)

[Download SSL Live TaCo from the Google Play Store](#)

If already installed and automatic app updates on your device are set to "Off" (recommended), the SSL Live TaCo app will need to be updated manually as below.

Updating TaCo on Android, iOS and macOS Devices:

1. Connect your device to the internet and open the App Store (Apple devices) or Google Play Store (Android devices).
2. Search for 'SSL Live Taco' then select it to open the App details page.
3. Select **Update**.

Software Licence Agreement

By using this Solid State Logic product and the software within it you agree to be bound by the terms of the relevant End User Licence Agreement (EULA), a copy of which can be found at <https://www.solidstatellogic.com/legal>. You agree to be bound by the terms of the EULA by installing, copying, or using the software.

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
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Documents / Resources

 Live <small>VS-2.18 Update Instructions</small>	Solid State Logic Live Console [pdf] Instructions Live Console, Console
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References

-  [SSL Live TaCo on the App Store](#)
-  [SSL Live: Help](#)
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