



Solid State Logic Live Console Power and Control 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 | October 2022 |
| | | | |

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 V5.1.14 software image file
- Rufus V3.5 software installed on a Windows PC
- [Optional] SOLSA V5.1.14 installer
- [Optional] Network I/O Stagebox V4.3 Package – applicable to Dante stageboxes
- [Optional] WinMD5 checksum validation tool installed on a Windows PC
- [Optional] TeamViewer 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 V5.1.14 Feature Release Notes document.
4. An installer for TeamViewer is provided in this release for support use. If installation of TeamViewer is required, refer to Live Application Note 021 on the Support site. Installation can be completed at any time after the update.
5. Show files subsequently saved in V5.1.14 cannot be loaded in console software earlier than V5.1.6.

Console Software & Firmware Overview

| Control Software | | V4.11.18 | V5.0.13 | V5.1.6 | V5.1.14 |
|---|---------------------|-------------|-------------|-------------|----------------------------|
| Operating System | | 3.303.6.0 | 3.493.4.0 | 3.493.6.0 | 3.559.5.0 |
| OCPSoftware | L650 | | 5.607.01.14 | 5.615.01.14 | 5.615.02.14 |
| | L550 | 4.585.10.11 | 5.607.01.11 | 5.615.01.11 | 5.615.02.11 5.615.02.14 |
| | L450 | | 5.607.01.14 | 5.615.01.14 | 5.615.02.14 |
| | L350 | 4.484.10.8 | 5.607.01.8 | 5.615.01.8 | 5.615.02.8 5.615.02.14 |
| | L500 Plus | 4.585.10.2 | 5.607.01.2 | 5.615.01.2 | 5.615.02.2 |
| | L500/L300 | 4.585.10.1 | 5.607.01.1 | 5.615.01.1 | 5.615.02.1 |
| | L200/L100 | 4.585.10.7 | 5.607.01.7 | 5.615.01.7 | 5.615.02.7 5.615.02.15 |
| 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) L100/L200/L300/L350/L550 | V4.1.25701 | | | |
| Dante Expander Card (Brooklyn) L500/L500 Plus | V4.1.25701 | | | |
| Fader / Master / Control Tile | 25191 | 26334 | 26334 | 28305 |

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

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

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

MADI I/O Firmware Overview

| Released with Console Software | V4.11.18 | V5.0.13 | V5.1.6 | V5.1.14 |
|-------------------------------------|-----------------|----------------|---------------|----------------|
| 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

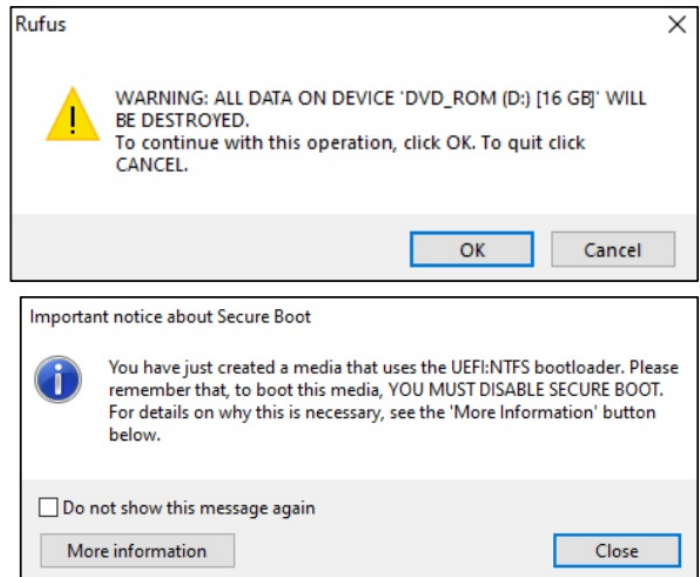
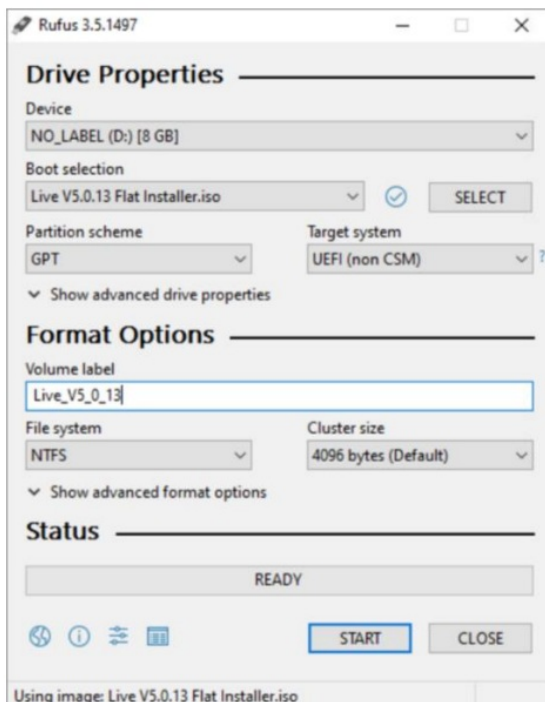
| Released with Console Software | V4.11.18 | V5.0.13 | V5.1.6 | V5.1.14 |
|----------------------------------|--------------|--------------|--------|---------|
| Stagebox Update Package | 4.2 | 4.3 | | |
| Net I/O Controller | 1.11.6.44902 | 1.11.6.44902 | | |
| Net I/O Updater | 1.10.42678 | 1.10.6.49138 | | |
| SB 32.24 SSL Firmware | 26181 | 26621 | | |
| SB 32.24 Dante Firmware Main (A) | 4.1.26041 | 4.1.26041 | | |
| SB 32.24 Dante Firmware Comp (B) | 4.1.26041 | 4.1.26041 | | |
| SB 8.8 & SB i16 SSL Firmware | 23927 | 23927 | | |
| SB 8.8 & SB i16 Dante Firmware | 4.1.25840 | 4.1.25840 | | |
| A16.D16, A32, D64 SSL Firmware | 25547 | 26506 | | |
| A16.D16, A32, D64 Dante Firmware | 4.1.25796 | 4.1.25796 | | |
| BLII Bridge SSL Firmware | 23741 | 23741 | | |
| BLII Bridge Dante Firmware | 2.4.25703 | 2.4.25703 | | |
| X-Light 151 SSL Firmware | 23741 | 23741 | | |
| X-Light 151 Dante Firmware | 2.4.25703 | 2.4.25703 | | |
| GPIO 32 SSL Firmware | 25547 | 25547 | | |
| GPIO 32 Dante Firmware | 4.1.25796 | 4.1.25796 | | |
| PCIe-R Dante Firmware | 4.2.0.9 | 4.2.0.9 | | |
| MADI Bridge SSL Firmware | 24799 | 24799 | | |
| MADI Bridge Dante Firmware | 4.1.25700 | 4.1.25700 | | |

App Version Overview

| Released with Console Software | V4.11.18 | V5.0.13 | V5.1.6 | V5.1.14 |
|--------------------------------|----------|---------|--------|---------|
| TaCo App – Android and iOS | 4.5.1 | 4.6.0 | | |
| TaCo App – macOS | 4.5.1 | 4.6.1 | | |
| Help App | 14.0.3 | | | |

Create the Flat Install USB Stick

1. Download the Live V5.1.14 software image file.
2. [Optional] Run a checksum on the downloaded file using WinMD5. The checksum value is:
4393b3cb1ecb0e04b31af90641a025b7
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 V5.1.14 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 40mins, 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

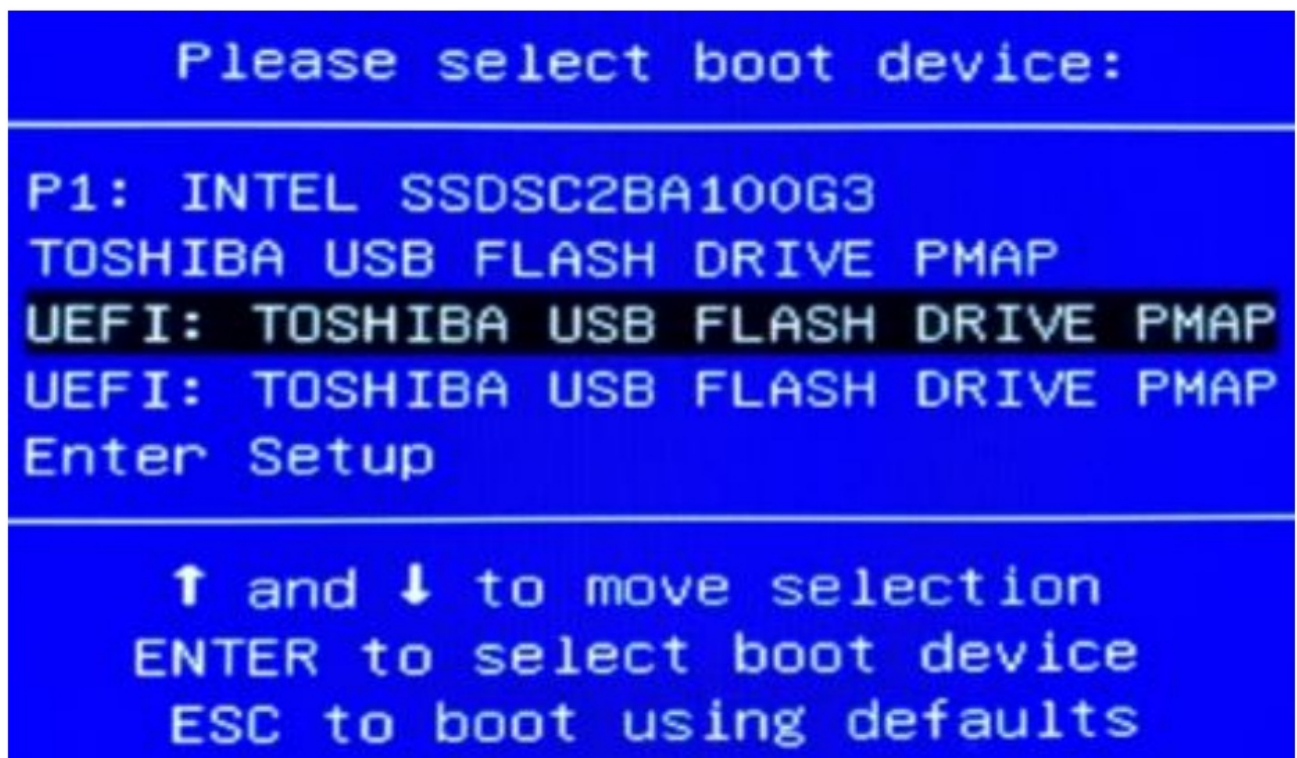
Preparation and Update Order

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 showfile 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 updates using Network I/O V4.3 Package (if not already updated).
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 menu.
3. Use the Up/Down arrow keys on the keyboard to select the UEFI device (USB Flat Installer) then press Enter. If there are two devices listed as per screenshot below, select the upper UEFI option. The console will now boot from the USB Flat Installer.



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 the window as a percentage, taking approximately five 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.
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.

OCF 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 OCF Software entry, followed by 'Error: Connection Lost' for both this and OCF 020 Card. This is a result of code being downloaded and the OCF rebooting itself. Connection will reestablish itself shortly afterwards. Upon reconnection both the OCF and OCF 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 or later. If updating a console from earlier software such as V4.10.17 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 V4.3 Package

Download the package then refer to the included installation notes

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. Full Instructions are available in Live Application Note 021 on the SSL Support site for those with 'Live User' access

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 is released for V5.0 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.

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Please direct all enquiries to: support@solidstatelogic.com

Customer Support

Visit SSL at:

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E&OE

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Documents / Resources

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|--|---|
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References

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