

Firmware Package v5.54/v5.57 Installation Instructions for Axia Element & Fusion Consoles — Release Firmware with Fusion Modules Support

12 February, 2016, Cleveland, Ohio USA

Preparation for Update

Before updating, backup your configuration. Using your Web browser, enter the IP address of the DSP Engine or PowerStation. When the Control Center screen appears, click on the *System* link (Green Step 1), as shown in this screenshot. If prompted, login with your username and password, and then click on the Backup button (Green Step 2). Store the downloaded file in a safe, convenient location.

PowerStation (PowerStation) Control Center

Host name: PowerStation

System Status

System status:	OK
Network status:	OK
CPU usage - avg / peak (%):	36 / 42
Link speed:	1 Gbs
Network usage In:	1.1%
Network usage Out:	6.1%
System temperature:	45°C
CPU temperature:	54°C
Unique hardware ID:	7f0000 1de d9d2d
Power1 Fuse1:	ON OK
Power2:	OFF

Configuration Management

Backup: save configuration data to file

Restore: restore default settings and restart

Choose File: No file chosen

Warning: System will reboot after restoring configuration settings.

Restart

Restart: restart Engine application from selected bank

Hardware and Firmware

Hardware:	Core2 Duo T7500
Bank 0	P5 Fusion 3.0.1i (#1504140911) 14-Apr-2015 09:11:36
Bank 1	PowerStation 1.2.4j (#1311291333) 29-Nov-2013 13:33:36

File: Choose File No file chosen Upload

Apply Selected Bank

Warning: System will reboot after changing the current bank.

Next download the file [1661-00001-010\(firmware_group_file\).bin](ftp://ftp.zephyr.com/pub/Axia/Updates/Fusion/1661-00001-010(firmware_group_file).bin) and save it to a convenient location so that you can easily find it later. (Direct link to this file is [ftp://ftp.zephyr.com/pub/Axia/Updates/Fusion/1661-00001-010\(firmware_group_file\).bin](ftp://ftp.zephyr.com/pub/Axia/Updates/Fusion/1661-00001-010(firmware_group_file).bin))

Element, Fusion Firmware v5.54/5.57 Release Notes

- Removed sending faders event during host connection
- Changed graphics for font 8x10 - character 'g' (OLED and LCD displays)
- Added feature to reduce LED brightness a few percent to be similar to previous modules' firmware (disabled by default)
- Code refactoring
- OLED Brightness limiter added. Values are as follows:

Small OLED display (Intercom, Accessory) 96x64px

- Old display d, Default value: 8% (0x15)
- Old display m, Maximal value: 16% (0x2A)
- New display, d Default value: 6% (0x0F)
- New display, m Maximal value: 11.5% (0x1F)

Middle OLED display (4Fader, EU Phone, US Phone, Combo, User, Production) 128x64px

- Default value: 16.5% (0x2A)
- Maximal value: 33% (0x55)

Big OLED display (iQ Ooverbridge) 256x64px

- Old display, d Default value: 17.5% (0x2C)
- Old display, m Maximal value: 33% (0x55)
- New display, d Default value: 18% (0x2D)
- New display, m Maximal value: 33% (0x55)

- Intercom: Added support of AT45DB021E serial ROM
- Intercom: Added support for new OLED display type
- Intercom: With setup brightness level to 0% LED's are turned off
- Intercom: Fixed start-up problem with IC1 module
- Intercom: Added feature tofor dynamically change brightness on OLED without reloading data on it
- Intercom: Code refactoring and clean-up
- Modules: CAN Statistics protocol V2 implementation
- 4Fader: CAN Statistics master mode partially done
- Modules: Flash memory usage optimization for CPU usage and OLED drawing protocol commands
- Combo: Fixed OLED rendering issue
- USPhone, EUPhone, 4Fader, Master: With setup brightness level to 0% LEDs are turned off
- Combo: With setup brightness level to 0% LEDs are turned off
- 4Fader, Combo, EUPhone, Master: Fixed LED/Icons/Big keys flickering issue

- 4Fader, Combo: Added test support for Atmel touch sensor chip
- User: Added all Fusion fonts to firmware
- User: Added Fusion icons to firmware
- User: Added Fusion meters to firmware
- User: Code refactoring and clean-up
- User, ACC: With setup brightness level to 0% LEDs are turned off
- ACC: Added DIP switch testing in self-test mode for OLED display board
- ACC: 4-button SS board with new hardware forced-disable processing of fader even if it is configured/connected
- ACC: Fixed sending faders event in module without fader
- ACC: Fixed LED/Icons/Big keys flickering issue
- ACC: Fixed double reading of configuration register with module sub-type
- ACC: Added support for new OLED type (1171-00041-100)
- ACC: Modules numeration is changed. OLED identification is 0x8, Moto-fader identification is 0x04
- ACC: Element display emulation changed – data draw at Y coordinate 25 (50 on the other modules)
- ACC: Fixed OLED information in the Self- Test mode
- ACC: Fixed rotary press event (report 0x80 button instead of 0x04)
- ACC: Removed reporting of button 0x8 in the REV 309 bottom board hardware
- ACC: Removed 0x8 flag indication about motorized fader option
- ACC: Added support for new type of front panel with OLED display
- ACC: Added support for new type of main board hardware
- ACC: Code refactoring and cleanup
- Production: With setup brightness level to 0% LED's are turned off

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