



Element Software Package 1.1.13.7 Installation Instructions

5 February 2007, Cleveland, Ohio USA

Software version compatibility

- Engine: v2.4.7C5 or higher
- Livewire Nodes: v2.3.3b or higher

Element sub-module firmware:

- Fader and Navigation Modules: 4.17
- User and Accessory Modules: 4.18
- GPIO: 4.0

New in this release

See release notes at the end of this document for details

Preparation for Update

Before updating it is highly recommended to back up your show and source profiles from the Element Maintenance page. Navigate to the Maintenance page in the Element Show and Source Profiles and save your various backup files to your PC hard drive. These files are version specific so note these files to the version of Element software you are currently running.

This is a two-stage update. In addition to the standard ZIP file Element update package, Element Base Files must be updated to v1.1.6.

Download the file **Element11137update.zip** from www.AxiaAudio.com/downloads/ and save it to your hard drive. Extract it to the folder of your choice. Two files will be extracted: **element-1.1.1.37.zip**, and **ebase-1.1.6.flis**. You will use these files to update your Element.




Installation of New Software

Using the Web browser of the computer on which you downloaded the update package, enter the IP Address of the Element you wish to update. When the Element Control Center screen appears, choose "Setup" from the left-hand menu and enter your password if prompted.

Scroll to the bottom of the Setup page as seen in the screenshot below, and find the text that reads “To upgrade base filesystem follow [this link](#).”

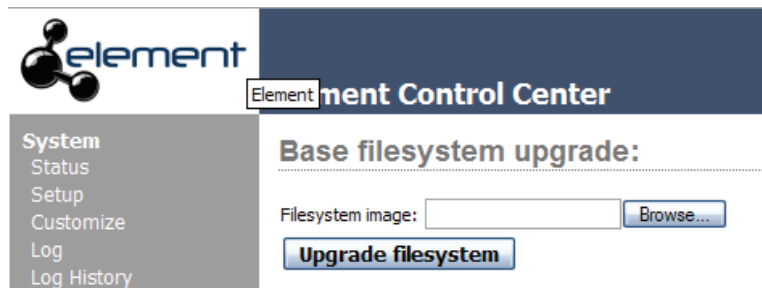
Software update:

To upgrade base filesystem follow [this link](#).

Software versions:		
 2.55 MB	<input type="radio"/> element-1.1.13.4.zip	1.1.13.4 (5-Jan-2007)
 2.54 MB	<input type="radio"/> element-1.1.13.5-debug.zip	1.1.13.5 (11-Jan-2007)
 2.53 MB	<input type="radio"/> element-1.1.13.5.zip	1.1.13.5 (11-Jan-2007)
 2.60 MB	<input type="radio"/> element-1.1.13.6.zip	1.1.13.6 (19-Jan-2007)
 2.60 MB	<input checked="" type="radio"/> [element-1.1.13.7.zip]	1.1.13.7 (24-Jan-2007)
12.82 MB	Total	

You need to delete one of older software versions to be able to upload a new one.

Click on the link and the page excerpted below will appear:





The screenshot shows the Element Control Center interface. On the left is a navigation menu with options: System, Status, Setup, Customize, Log, and Log History. The main content area is titled "Base filesystem upgrade:" and contains a "Filesystem image:" text box with a "Browse..." button next to it. Below this is a prominent "Upgrade filesystem" button.

Click the “Browse” button and navigate to the directory you extracted the update package to. Choose the **ebase-1.1.6.fls** file and click “OK”. Now click the “Upgrade filesystem” button. The Element will update and reboot.

When the reboot has finished, use your Web browser to enter the Element Control Center again, and once again choose “Setup” and enter your password if prompted.

Software update:

To upgrade base filesystem follow [this link](#).

Software versions:		
 2.52 MB	<input type="radio"/> element-1-1-10.zip	1.1.10 (14-Jul-2006)
 2.65 MB	<input checked="" type="radio"/> [element-1-1-11-3.zip]	1.1.11.3 (1-Sep-2006)
5.18 MB	Total	

Upload new image:

Once again, scroll to the bottom of the page to the section excerpted above and click the "Browse" button. Navigate to the directory where you saved the update package and select the file named **element-1.1.13.7.zip**. Choose the "Upload Image" button and the new file will upload. When the screen refreshes, you will see [element-1-1-13-7.zip] added to the Software Versions list. Select this update using the radio button, and click the "Set Current Image" button.

Note: you should never need more than 3 software versions loaded in memory. Delete unneeded files by selecting them and clicking "Delete Selected Image." (Make certain you are not trying to delete the active image!)

After setting the new software as the current image, choose the "Reboot" button. Your Element will reboot immediately and the Web screen will refresh automatically.

When Element has rebooted, return to the "Setup" screen and verify that the correct software version is active.

If you have trouble at any point during the upgrade process, please contact Axia Support via mail at support@AxiaAudio.com, or by telephone at +1 (216) 241-7225.



Element 1.1.13.7 Release notes:

Element Version 1.1.13.7, 24-Jan-2007

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Software version compatibility

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Element Base: 1.1.6 (required to prevent so called busy-box bug)

Element sub-module firmware:

Modules	4.17, 05/09/2005
User Modules	4.18
Accessory Module	4.18
GPIO	4.0

Engine 2.4.7c5

LWIO nodes 2.3.3b

(Show profile version 21)

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New in this release

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- Fixed crash possibility in Element (acl) when there is no connection to Engine.
- Source list in Element source selection screen is refreshed automatically.
- Support for CAN connected Accessory modules -
 - Mic Control / Headphone Selector Panel, P/N 2001-00199,
 - Headphone Selector Panel, P/N 2001-00200
- Configuration added to Show profiles and full functionality implemented (source selection, volume control, preset assignment, Talk, Mute, ON, OFF).
- NTP timezone split in Hours and Minutes. Minutes option introduced so that it is possible to set timezone offshift by +/- 1 hour when daylight saving time is in effect and base timezone is not at round hour (9:30 for instance)

Element Version 1.1.12.1, 13-Nov-2006

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Fixed: NTP bug. Could cause clock to jump to year 2036. If source NTP server does not initialize its own clock and would indicate that by sync flag that we misinterpreted.

Fixed: memory leak found in 1.1.11.3

Change: Mic processing page disabled for source types line & computer

Element Version 1.1.12.0, 31-Oct-2006

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Requires Engine ver 2.4.5b1 and higher

Fixed: The V-mixer fader order (from 1-5) is inverted on GPIO pins

Added: New field in source availability mask - V-Mixer. In V-Mixer source selection only those



sources that has this field checked will appear. New sources will have it checked. All existing sources (the ones that are in Element on time of upgrade) will have it unchecked.

Changed: Change defaults for show profile/Monitors/Prev, CR MO, ST MO, HP volume to -30dB.

Added: Lockout options for Navigation module all keys. Stored in show profile Monitor Section.

Fixed: Long profile name overlaps with the window title of "Load profile" screen.

Changed: Press "Talk to" on host microphone channel the icon changes to 'H. Button should not do anything for the CR Host source.

Fixed: Dim during TALKBACK. Backfeed over original signal with dimming. (dimming for talkback/auto backfeed)

Added/Changed: Global fader mode - add it to global profile settings (and remove from individual channel settings)

Changed: Not available source (e.g. non-sharable and taken) shows up in list as gray and doesn't allow to be taken

Changed: If channel is ON, but the same source is loaded in it (from profile), Don't need to reload source, just reload other parameters.

Changed: Mic processing applies to all source types excluding lines and computer lines.

Fixed: Meter switching - in surround affects PGM2. Name changes in screen and web. The rightmost meter (when console is in surround mode) is supposed to be switchable between PGM2 and MONITOR. The switch is on the UI (Global Options, Meters) but does not work.

Fixed: there are more choices in the CRMO mode and CRHP mode switches when the console is in surround mode. These modes show up on the UI (Global Options, Monitors), but do not have corresponding entries on the web config pages. Therefore, they cannot be set unless through a profile capture.

Element Version 1.1.11.3, 1-Sep-2006

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Fixed: bug introduced in 1.1.11.2 that Elements Phone module will disconnect from 2101 quite regularly (about 30 sec) and reconnect back.

Element Version 1.1.11.2, 24-Aug-2006

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Fixed: GPIO READY fixed

Changed: Aux Send adjustment step changed to non-linear for channel Aux adjustments:

- From OFF to -40, 3dB per click
- From -40 to -20, 2dB per click
- From -20 to +10, 1dB per click
- From -10 to +10, 0.5 dB per click

Changed: allow get/set Element hostname using LWRP protocol. Element host name can be set in "Setup" web page.

Changed: change phone server ping period to 20 seconds (was 10 seconds)

Element Version 1.1.11.1, 18-Aug-2006

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Fixed: bug in 1.1.11.0 that VMIX source selection was disabled in global VMIX screen



Element Version 1.1.11.0, 18-Aug-2006

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Added: new feature: base file system update capability.
Added: GPIO READY. New source attribute Ready enable (RDEN)
Changed: VMIX - removed settings from Show profile. Only Global configuration from web page is possible and from LWCP.

Element Version 1.1.10.2, 9-Aug-2006

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Fixed: VMIX: on profile load, if on some particular fader, new source ID is the same as old source ID and 'on state' also is the same, then do not reload source and do not turn it OFF/ON.
Fixed: spelling error in LWCP: TimUp => TimeUp
Fixed: user module TEXT didn't clear if rewriting new text to module..
Fixed in firmware 4.18, 7-aug-2006:

- LWCP server: accept MOD_USER.DISP#1 as valid index. Keep legacy support for DISP
- Text display on user modules should be in ON indication state by default
- New feature: base file system update. Added for now just for preliminary testing.

Element Version 1.1.10.1, 3-Aug-2006

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Added: LWCP implementation for VMIXer according to doc "LW Control Protocol v06.doc".
Fixed: disables PAN in record mode as this was causing "killing" left or right track of main Program feed when Record mode are switched ON.

Element Ver 1.1.10

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Requires Engine ver 2.4.5a2

Added: V-Mixer Added/Changed: PHONE and RECORD mixing buses, update all places to reflect existence of 6 buses (PGM1-4, PHONE, REC)
- New PHONE and RECORD mixing buses. PGM4 is constantly "post" as we have now RECORD and PHONE busses.
- Change back that Talkback is handled (back as Talk to Previewed in SS).
- Add PGM3-4, AUX A-D to Feed to source options list (screen and in web).
Improvement: Do some file validity check before uploading Element update file. Improvement: Profile changed indicator. PGM1-4 should change. Preview changes should not. Preview to HP should change. Monitor selections, fader levels, monitor volumes, and channel ON/OFF should not. Options should change. Fixed: Default to "Unlocked" for source profile. Fixed: On-AIR annunciator on screen also ON for STMO or more exactly if STUD MIC is ON Changed: Clean-up the web interface: General page removed, Startup show profile in Show profile page. NTP parameters and Engine IP address moved to Element's main pages.



Element Version 1.1.9.1, 12-Jul-2006

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Fixed: Count down timer fix:

- 1) have the digital timer round up, like the analog, when tenths are not showing.
- 2) when reset is executed manually, digital timer goes to preset value, but analog timer does not show anything, even if timer is reset to value less than 60 seconds."

Element Ver 1.1.9

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Requires Engine ver 2.4.4g1

Added: Turn off 1/10 of timer seconds. Options to turn OFF 10ths of second for both Count Down and Count Up timers.

Added: Computer - new Source Type. Implemented GPIO logic for Computer and changed for Line type according to GPIOs.xls. This includes fix that Line type didn't indicate Preview Lamp.

Added: control lock - locks also fader level and can capture now

Fixed: Timer Mode - didn't loaded mode from profile correctly

Fixed: some fixes in deferred source loading of Monitor sources (Mon1&2, HP) - if source stayed inactive, even taking Default Profile didn't clear red text "inactive source"

Element Ver 1.1.8a

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Fixed: - firmware update bug. bug is fixed also in 1.1.9 and further versions.