

Axia Microphone Node

Update Instructions

INCLUDING VERSION NOTES

12 September 2005, Cleveland Ohio, USA

AXIA NODE SOFTWARE

An Axia node has two internal memory “banks”. Each bank contains room for a complete version of operating software. This approach allows a software update download to be completed and checked without danger of making the unit inoperable if the download were to be incomplete or corrupted. It also provides an easy way to try a new software version and still return to the old version.

The software version in each bank is displayed from the System web page. The lower half of this screen, shown below, shows the current firmware versions and allows you to select what version will be used at startup. To change banks simply click in the “radio button” for the desired bank and then click on Apply.

IMPORTANT! The node will reboot after you click Apply if you change the software version. This will result in loss of audio locally, and at any unit using the local sources.



Firmware version:

Hardware revision: rev. 2

Bank 0 ver. 1.2.24

Bank 1 empty update: Browse...

Warning: System will reboot after changing current bank.

Apply

Done

Saving Bank 1 Software

Software is always downloaded to bank 1 (the secondary bank). Downloading software (see

below) will overwrite the software currently in this bank, if any. If you wish to save the software currently residing in bank 1 you can save it by moving it to bank 1 as follows:

1. Click on Commit this version to Bank 0" box (se below).
2. Click on *Apply*. The node will now reboot.

Downloading new software

A new software version can be downloaded into bank 1 as follows:

1. Visit www.axiaaudio.com/downloads/ and download the desired software update for the node to be updated to your computer (this should be the computer that you will use to access the node's web page). Your local computer operating system should display a prompt to permit you to choose where you wish to locate the downloaded file. You can choose any convenient location, just be sure to note the drive and location where the file is to be saved.
2. Open a web browser and connect to the node to be updated. Enter the complete path and file name for the software file (e.g. the file downloaded form the Axia site), or click on the *Browse* button to locate the file. Once the proper path and filename are displayed, click on *Apply* to download the file.
3. A successful download will be indicated by the new version being displayed in the *Bank 1* field. If the download is unsuccessful the field for *Bank 1* would be blank.



MICROPHONE NODE SOFTWARE RELEASE NOTES

27 September, 2004

Many users inquire what features are new in the latest firmware release. The following Release Notes show the improvements and features added with each significant release.

1.2.23

August 2004

Initial release

1.2.24

September 2004

- The Gain setting values in the *Sources* web page adjusted to read in nominal input level
- Number of sources per terminal in the advertisement database may now exceed 32.
- Silence detector implemented for use with PathFinder PC software.
- *Surface Application* web page removed. Shareable setting is now located on *Sources* web page.
- Buffer management improved to prevent delay buildup under certain circumstances.
- Improved software PLL algorithm to fix occasional *Sync* LED flicker.

22 August, 2005

ver. 1.3.7

- Changes to allow more reliable synchronization between nodes in a larger Livewire system.
- Improved software for receiving streams from PC's, which have higher jitter than streams sent by the nodes.
- Optimized advertisement to limit traffic in network with many nodes.
- Optimized source selection window on the "Destinations" WEB page to handle large number of channels to be displayed faster.
- Added support for surround streams.
- Fixed algorithm which manages TCP/IP connections. An error was causing that connections would stay open after route changes that make those connections not needed. It was leading to having maximum number of connections opened, and after some time GPIOs were not able to establish new routes.
- Factory reset erases information stored in NVRAM. Before routes were remembered even after factory reset.
- Added IP audio streams low-level filter. This prevents lockup during route changes. Also allows safe operation of two nodes in LIVE mode connected with crossover cable.