

# Apex™

Digital Audio Router

## Release Notes Addendum

 FIRMWARE VERSION 2

071 8427 00  
June 30, 2005

*the most watched worldwide*

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## Grass Valley Web Site

The [www.thomsongrassvalley.com](http://www.thomsongrassvalley.com) web site offers the following:

**Online User Documentation** — Current versions of product catalogs, brochures, data sheets, ordering guides, planning guides, manuals, and release notes in .pdf format can be downloaded.

**FAQ Database** — Solutions to problems and troubleshooting efforts can be found by searching our Frequently Asked Questions (FAQ) database.

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## **Software Problems Corrected in Release 2**

<b>Problem</b>
Output monitoring is now supported.
Redundant Matrix boards are now supported.
The router no longer defaults to input 1 being on all outputs. Instead a 48 kHz digital silence is the default.
If an output is routed to an input with no signal a 48 kHz digital silence will be heard on the output.
A problem where under certain conditions some cards may not initialize on power up has been fixed.
A problem where a missing expansion cable could go undetected has been resolved.
Alarms have been improved; specifically more alarms have been added to help detect an improperly configured router during install.

## Known Software Limitations

Limitation
This release supports routers up to 1024 x 1024 (four chassis).
When using output monitors the output monitor port of the chassis in which the output port being monitored resides should be used. (Output monitoring via expansion links is not supported).
Dolby E will pass through the router but will not be switched at the Dolby E switch point.
V-fades are not supported. The V-fade DIP switches on the CX-34000 Control Crosspoint board should remain OFF.
Redundant CX-34000 control boards are not supported.
Crosspoint bus is the only direct control interface.
Encore control requires connection to an NR-33000 Sync/NIC/OPM (Broadlinx™) board in a Trinix™ chassis, which translates control signals to Crosspoint bus protocol.
SMS7000 control requires connection through Encore to an NR-33000.
MADI is not supported.
In mono and split stereo modes both channels (right and left) must be assigned an input before the output becomes active (non silent)
Under some conditions in mono mode output 1 of the router may not function. This output should be avoided in mono mode until this problem is resolved.
There is a slight possibility of a problem occurring on input and output cards when a matrix card is inserted into a running system (as would occur during replacement of a failed matrix card). The cards lose communication between themselves and one or both matrix cards. This can be detected by OFF or blinking green LEDS on the I/O cards and matrix card. Simply removing and reseating the card in question can correct the problem. An alternate solution is a system reset. The problem can also occur if the master clock cables are disconnected and then reconnected.
If an output is assigned to one of the <i>video</i> references, router switching is unpredictable. As a workaround for this release, assign all outputs to an <i>audio</i> reference.

