

Apex

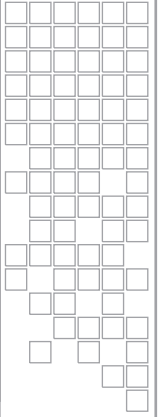
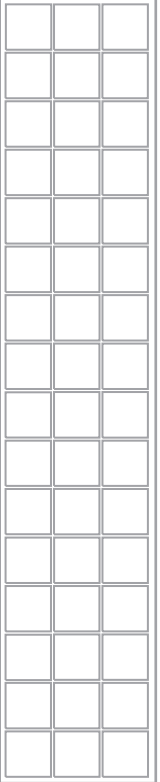
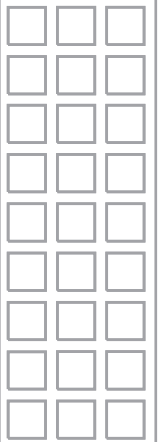
DIGITAL AUDIO ROUTER

Release Notes Addendum



SOFTWARE VERSION 3.0

071842701
DECEMBER 2008



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Grass Valley Web Site

The 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.

Software Downloads — Download software updates, drivers, and patches.



END-OF-LIFE PRODUCT RECYCLING NOTICE

Grass Valley's innovation and excellence in product design also extends to the programs we've established to manage the recycling of our products. Grass Valley has developed a comprehensive end-of-life product take back program for recycle or disposal of end-of-life products. Our program meets the requirements of the European Union's WEEE Directive, the United States Environmental Protection Agency, and U.S. state and local agencies.

Grass Valley's end-of-life product take back program assures proper disposal by use of Best Available Technology. This program accepts any Grass Valley branded equipment. Upon request, a Certificate of Recycling or a Certificate of Destruction, depending on the ultimate disposition of the product, can be sent to the requester.

Grass Valley will be responsible for all costs associated with recycling and disposal, including freight. However, you are responsible for the removal of the equipment from your facility and packing the equipment to make it ready for pickup.



For further information on the Grass Valley product take back system please contact Grass Valley at + 800 80 80 20 20 or +33 1 48 25 20 20 from most other countries. In the U.S. and Canada please call 800-547-8949 or 530-478-4148, and ask to be connected to the EH&S Department. Additional information concerning the program can be found at: www.thomsongrassvalley.com/environment



Apex Release Notes Addendum

Firmware Problems Corrected in Release 3.0

Problem	Change Request Number
Auto switching delays	56926
Apex fails to discontinue a chop command	63169
Input/Output card fails occasionally	64182/64202
No support for redundant Control card	64184
REM failover fails occasionally	64185
Ouput channel zero not functional	64194
Mono mix distortion	64196
Apex generated silence is not synchronized to any reference	67132
Inputs 417-448 do not route to frame #3 when Max_Size = 1024	79698

Known Firmware Limitations

Limitations
Due to a software problem, the Video/AES reference selection settings using DIP switches S28-5 and S28-6 on the CX-34000 Control Crosspoint board have changed. Please refer to the v3.0 Release Notes for the correct settings. This problem will be fixed in the final v3.0 release.
The only video reference supported is NTSC.
Output monitoring on multi-chassis systems - outputs can only be monitored on the chassis that physically includes the output. Outputs cannot be monitored through the expansion links.
This release supports routers up to 1024 x 1024 (four chassis)
Crosspoint bus is the only direct control interface.
Encore control requires connection to an NR-33000 Sync/NIC/OPM (Broradlinx™) board in a Trinix™ chassis, which translates control signals to Crosspoint bus protocol.
SMS7000 control requires connection through Encore to an NR-33000.
Inmono and split stereo modes, both channels (left and right) must be assigned as input before the output becomes active (non-silent).
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.