



Apex Plus

DIGITAL AUDIO ROUTER

Release Notes Addendum
Software Version 2.0

Contacting Grass Valley

International Support Centers	France 24 x 7	+800 8080 2020 or +33 1 48 25 20 20	United States/Canada 24 x 7	+1 800 547 8949 or +1 530 478 4148
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Grass Valley Web Site

The www.grassvalley.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



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Firmware Problems Corrected in Release 2.0

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 /106328
Ouput channel zero not functional	64194
Mono mix distortion	64196
Apex generated silence is not synchronized to any reference	67132
Bit Errors on Inputs 1280 and 1281, 64199	64199

Known Firmware Limitations

Limitations
The only video reference supported is NTSC and PAL.
Crosspoint bus is the only direct control interface.
Encore control requires connection to an NR-33000 Sync/NIC/OPM (Broradlinx™) board in a Trinitix™ chassis, which translates control signals to Crosspoint bus protocol.
SMS7000 control requires connection through Encore to an NR-33000.
There is a slight possibility of a problem on redundant matrix card initialization or when recovering from a system fault. This can be detected by the presence of bit errors. To recover perform a system reset. The problem can also occur if the master clock cables are disconnected and then reconnected.