



Installation of the GlobalStreams™ Audio Module

I. Required Materials for New Installation

- GlobalStreams manufactured audio module, either RCA phono (unbalanced, P/N 34-483) or XLR (balanced, P/N 34-501)
- Software update CD-ROM, version 2.1 build 2751 or higher
- Ribbon cable assembly, 40-pin, 14-inch

II. Hardware Installation Description

NOTE: Using an anti-static wrist band is strongly advised when handling any GlobeCaster™ or Trinity™ circuit card assembly.

1. Remove power from the GlobeCaster or Trinity system.
2. Remove the four screws that attach the audio module bay blank plate to the chassis and remove blank plate. Save the four screws for later installation of the audio module.
3. Remove the top cover of the GlobeCaster or Trinity system by unscrewing the three captive thumbscrews until they release from the main chassis. Remove the top cover by pulling it back about one inch and lifting it off the chassis.
4. In order to connect one end of the 40-pin ribbon cable to the audio control connector (JP1) on the motherboard, it is first necessary to remove the 34-003 Coordinator card from slot 14. To remove the Coordinator card, unscrew the three captive thumbscrews on the hinged retaining bar near the back of the chassis and swing it up. Unscrew the captive thumbscrew for the retaining bar that sets across the top of cards and remove this retaining bar. Remove the Coordinator card, observing static-safe handling techniques.

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5. Route the 40-pin ribbon cable from the audio module mounting bay up through the slot on the motherboard mounting plate. Assure that pin 1 of the connector is oriented towards the rear of motherboard. The pin 1 end of the ribbon cable connector is identified by a red stripe on the cable (see following figure).

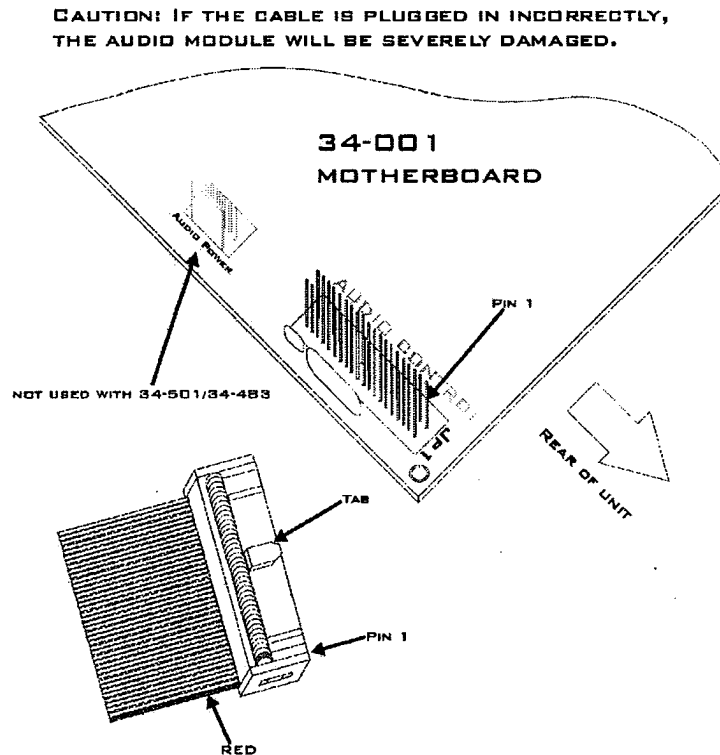


Figure 1.1: Connecting the Ribbon Cable to the Motherboard

CAUTION: Some motherboards do not have a shrouded header in the JP1 position and therefore it is extremely important to make sure that the pins on the JP1 header align properly with the 40-pin ribbon cable connector. If the connector is not plugged in correctly, the audio module can be severely damaged. If you have any questions concerning this installation, please contact your GlobalStreams sales representative or the GlobalStreams technical support department.

6. Connect the other end of the ribbon cable to header JP5 on the GlobalStreams audio module. The audio module has a shrouded header that will only allow the connector to fit one way.
7. If the GlobeCaster or Trinity unit is equipped with a Time Machine System, then the two 14-pin ribbon cables from the 34-367 TDM Audio Router card should be connected to headers JP3 and JP4 on the GlobalStreams audio module. The cables can be plugged into either header without affecting operation.
8. Carefully guide the audio module into the mounting bay and fasten it in place with the four screws that were removed above. The blank plate may be retained for future use.
9. Plug the 34-003 Coordinator card back into slot 14 of the motherboard. Replace the retaining bar which rests across the top of the cards and also refasten the hinged retaining bar near the back of the GlobeCaster or Trinity unit.

III. Additional Information

This completes the hardware installation of the 34-501 or 34-483 audio module. In order to operate this module however, it is necessary to install a new software driver. The provided CD-ROM includes the updated driver. Read the included software revision notice before installing this driver.

Version 1.3 and Version 2.1 and above have support for the new audio module. Future upgrades are available on the web at:

<http://www.globalstreams.com/support/downloads/>

For additional support, please contact GlobalStreams support at 1-800-788-7205 or visit us at www.globalstreams.com.

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