Products Involved:
0A-1534-0060

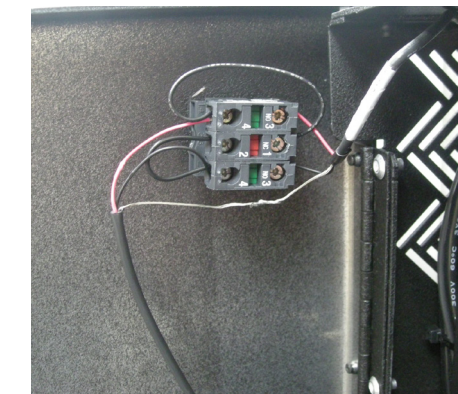| Task (Major Step)	Process / Key Points / Reason Why (if applicable)	Tools Required / Reference Materials
1. Receive Equipment ☐ Unload equipment from truck ☐ Store in secure location or press box	a. The fiber conversion box is typically crated or on a pallet with the front end control equipment. b. Store equipment in secure, dry location to prevent damage or theft.	• Video: Sportsound Fiber Conversion Box Overview • Fiber Conversion Box Installation Drawings (DD2254247) **This manual includes all drawings referenced below.**
2. Mount Fiber Box **Mounting Requirements:** ☐ Mounted indoors ☐ Mounted near a power outlet ☐ Mounted within 25' of mixer	a. The fiber conversion box should only be mounted indoors, typically in a press box. Refer to installation drawing for mounting details. b. Fiber conversion box should be mounted in close proximity to a power outlet. c. Connect the included 25' XLR cable between the Control Rack and fiber box. Quick access to the fiber box is necessary in case the digital audio signal fails during an event. **Note:** Due to various wall types, mounting hardware is to be provided by subcontractor or field tech depending on responsibilities checklist.	• drill • mounting screws or anchors (depending on wall type) • **DWG-1085529**
3. Terminate Fiber ☐ Terminate fiber optic cable ☐ Coil and strap fiber in place	a. Terminate fiber optic cable to fiber splice plate. All fibers should be terminated to the plate from left to right. See Fiber Conversion Box Riser drawing for details. b. Coil fiber neatly around splice plate and cable tie to tab locations. **Do not over tighten cable ties on fiber!**	• fiber kit • cable ties • **DWG-1095709**
4. Terminate Analog Cable ☐ Terminate analog cable to switch ☐ Solder ground wires together	a. Terminate analog cable directly to the Analog Backup switch, inspecting all wires and ensuring cables are properly installed and jackets are not pinched in the terminals as this can lead to audio connectivity issues. See Fiber Conversion Box Riser for details. b. Solder ground wires together. **Note: If you are experiencing a ground loop hum, disconnect ground wires.**	• small flat screwdriver • wire stripper • cable ties • soldering iron • **DWG-1095709**
5. Inspect Indicator Lights ☐ Verify communication using lights	Verify fiber box network switch is communicating with sound cabinet switch and Biamp EXPI/O-2 using the connectivity lights. If connection is not established, verify the fiber cables are properly terminated on both ends and the TX and RX are in the correct locations.	• **Section 3** of Installation Manual • **DWG-1131068** • 1/2" wrench/socket • 3/4" wrench/socket
6. Test Analog Backup Connection ☐ Test DIGITAL signal to sound cabinet ☐ Test that audio cuts out when disconnecting DIGITAL ☐ Test ANALOG BACKUP ☐ Reconnect and set switch to DIGITAL	a. Play an audio source through the sound system with the switch in DIGITAL mode. b. Disconnect ethernet or fiber cable in the Fiber Conversion Box. Audio should cut out. c. Flip ANALOG BACKUP switch to ANALOG. Audio should return. d. Reconnect ethernet or fiber cable and set switch back to DIGITAL. Refer to testing KB article if troubleshooting is required.	• Control System with CD or Auxiliary Audio Source (smartphone, MP3) • Analog Backup Testing KB: DD3315573
SO/Contract #:	**Technician Name:**	**Date:**

1. Fiber Conversion Box

3. Fiber Termination

4. Analog Termination

Media Converter-to-switch connectivity   switch-to-switch connectivity
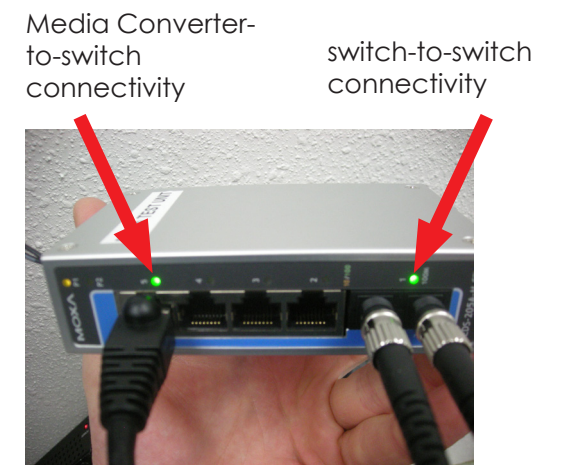
5. Switch Indicator Lights

6. Analog Backup Switch