Products Involved:
0A-1534-0012, 0A-1534-0041

Task (Major Step)	Process / Key Points / Reason Why (if applicable)	Tools Required / Reference Materials
THESE ARE FIELD SERVICE INSTALLATION INSTRUCTIONS. REFER TO SUBCONTRACTOR SCOPE OF WORK FOR THEIR RESPONSIBILITIES.		
1. Receive Equipment ☐ Unload equipment from truck ☐ Remove shipping brackets ☐ Store control equipment in secure location	a. Cabinet is either strapped to trailer with shipping brackets or crated. b. Shipping brackets should be removed prior to installation for aesthetics and ease of service access. c. Store all front-end control equipment in a secure location or press box to prevent damage or theft.	• Video: Sportsound 1500HD Standard Audio System Anatomy • Sportsound 1500HD Installation Manual (DD1798476) [taped inside control enclosure] **This manual includes all drawings referenced below.**
2. Inspect Finish and Mesh ☐ Inspect sound cabinet for dirt/damage ☐ Inspect mesh for dirt/damage ☐ Clean/repair/report dirt/damage to PM	a. Visually inspect the exterior finish of the cabinet for deep scratches, dents, chips, etc. b. Visually inspect the mesh for dirt, scratches, or wear. If mesh is dirty, use a mild soap and nonabrasive cloth to clean it. c. Contact PM/PC about any damaged goods.	• mild soap • nonabrasive cloth
3. Install Cabinet ☐ Verify shipping brackets are removed ☐ Inspect mounting and attachment methods	a. If not already done, remove shipping brackets by first removing 1/2" lift eyes, removing brackets, and then reinstalling lift eyes. b. Lift and mount cabinet following recommendations in the Installation Manual or Site-Specific Drawings. **Note:** All welding shall be performed by a certified welder.	• **Section 3** of Installation Manual • **DWG-752494**, and/or Site-Specific Drawings
4. Aim Speakers ☐ Aim speakers to fit venue ☐ Record angles: **Angle:_____**	a. Speakers need to be aimed vertically to fit the venue. They are factory set at 0 degrees. Refer to Speaker Adjustment Chart for aiming information and angle details. b. Record the adjusted angles.	• **Section 3** of Installation Manual • **DWG-913590** • 9/16" socket and wrench
5. Inspect Power Connections ☐ Verify power is brought into the bottom of the control enclosure ☐ Verify breaker panel has surge suppressor installed ☐ Verify sound cabinet is grounded ☐ Verify power indicator LED lights up	a. Main power is brought via conduit into the bottom of the control enclosure at the etched location. b. The breaker panel should have the surge suppressor installed. c. The sound cabinet must be properly grounded for reliable equipment operation and safety. d. There is a power indicator on the bottom of the control enclosure that lights up to indicate power to the cabinet.	• **Section 4** of Installation Manual • **DWG-994471** • small flat screwdriver • wire stripper
6. Inspect or Perform Signal Connections ☐ Verify conduit is brought into the bottom of the control enclosure ☐ Verify analog cable is separate from any power cable and copper scoring cable ☐ Verify cables are connected to the correct spots and are correct cable type	a. Fiber optic and analog audio cable should be brought via conduit into the bottom of the control enclosure and connected per the riser drawing at the etched location. b. Analog cable is to be routed separately from any power cable and analog scoreboard control cable to prevent unwanted noise such as current loop tick. c. Fiber optic cable is connected to fiber splice bracket, and analog cable is connected to transformer. Some sites may include a fiber splice box that is mounted on the base of the sign; a fiber jumper must run between the splice box and the control enclosure. **Note:** Verify W-1614 or W-1615 audio cable was pulled for sound system; using different cable can create unwanted noise.	• **Section 4** of Installation Manual • **DWG-994471** • fiber kit • cable ties • small flat screwdriver • wire stripper

1. Shipping Bracket

2. Rear of Cabinet

4. Aiming Bracket

Fiber Optic Connection

Analog Backup Connection
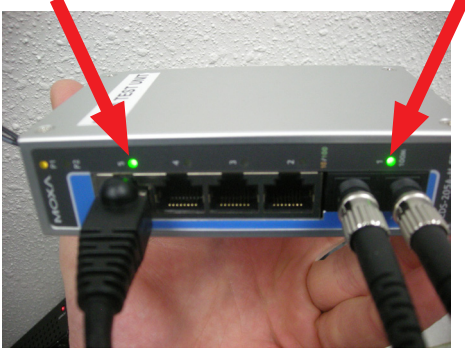
Power Connection
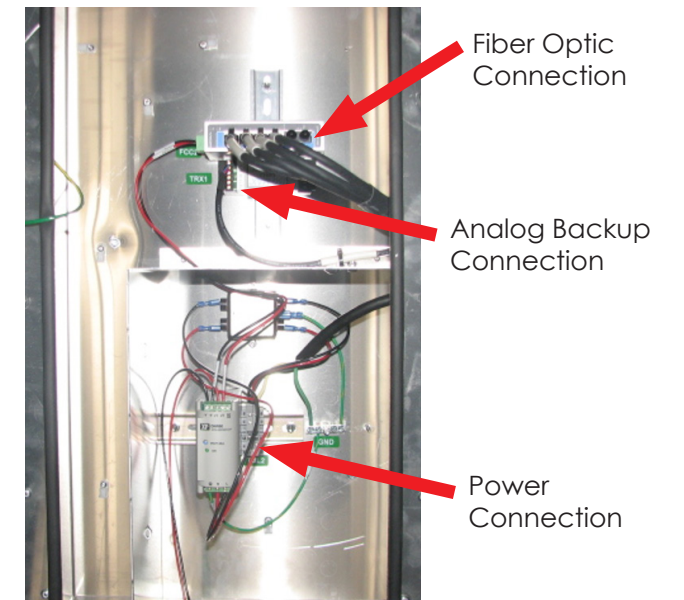
5 & 6. Inside Control Enclosure
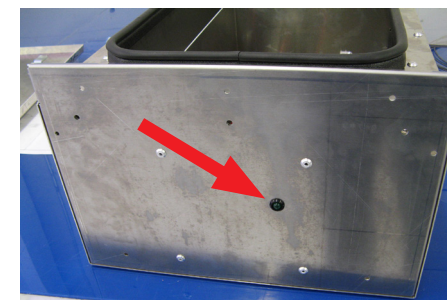
5. Power Indicator

Task (Major Step)	Process / Key Points / **Reason Why (if applicable)**	Tools Required / Reference Materials
7. Inspect Amp Lights ☐ Verify amp/network lights are correct and show connectivity	Ensure all amplifier lights on each speaker are lit. Verify the network switch is showing connectivity to all amps/ports. See **Section 7.5** in the Amplifier Field Guide.	Sportsound Amplifier Field Guide (DD3318172)
8. Secure Doors ☐ Verify doors are latched and secured	After all work is performed, make sure all doors are properly latched and secured in place.	• flat screwdriver
9. Install and Test Fiber Box ☐ Install and test the fiber conversion box	Refer to the Fiber Conversion Box Installation Work Instructions to install the fiber box and test connection and functionality.	Fiber Conversion Box Installation Work Instructions (DD2298519)
10. Commission Sound System ☐ Use SS1500HD Monitor Panel to test system ☐ Record impedance values or attach screenshot of Monitor Panel with values: HF Amp1 Ch1:_____ MF Amp2 Ch1:_____ MF Amp2 Ch2:_____ LF Amp3 Ch1:_____ LF Amp3 Ch2:_____ LF Amp4 Ch1:_____	**a.** Using the Commissioning for Standard Sportsound Systems w/ Monitor Panels Work Instructions, commission the sound system. **b.** Record measured impedance values from the test tones. **Note:** A screen capture of the Monitor Panel is a preferred method of submitting/recording this data.	• Commissioning for Standard Sportsound Systems w/ Monitor Panels Work Instructions (DD2738410) • Cobranet Discovery, SS1500HD Monitor Panel (Links to software provided in DD2738410)
11. Before Leaving Site Train Customers On: ☐ Proper Startup and Shutdown Procedures ☐ Control system operation ☐ Turn off power to cabinet and unplug source equipment and fiber box when not in use ☐ Hand customer manuals, quick start guides, and Daktronics contact information	**a.** Train customer on proper startup and shutdown procedures. **b.** Train customer on control system operation and best practices. **c.** Train customer to turn off power to cabinet and unplug source equipment and fiber box when not in use to protect equipment from power surges and lightning. **d.** Hand customer cabinet and source equipment manuals and quick start guides. Verify they know how to contact Daktronics if a problem should arise.	all printed documentation shipped with the audio system
SO/Contract #:	**Technician Name:**	**Date:**

7. Amplifier on HF Speaker

amp-to-switch connectivity

switch-to-switch connectivity (after fiber box is installed/connected)

7. Switch Indicator Lights

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