Products Involved:
0A-1561-0003, 0A-1561-0006, 0A-1561-0009, 0A-1561-0046, 0A-1561-0047, 0A-1561-0048

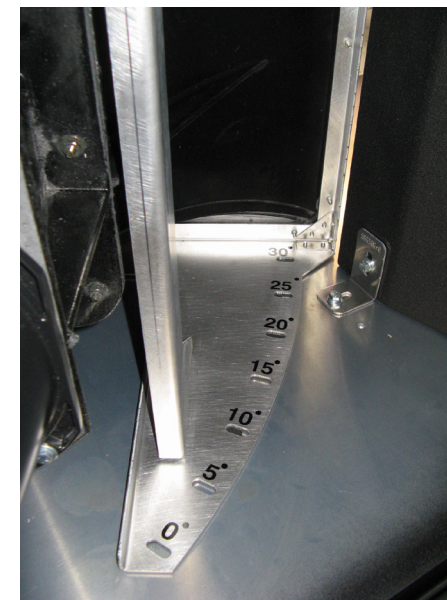| Task (Major Step)	Process / Key Points / Reason Why (if applicable)	Tools Required / Reference Materials
THESE ARE FIELD SERVICE INSTALLATION INSTRUCTIONS. REFER TO SUBCONTRACTOR SCOPE OF WORK FOR THEIR RESPONSIBILITIES.		
1. Receive Equipment ☐ Unload equipment from truck ☐ Remove shipping brackets ☐ 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 500HD Standard Audio System Anatomy • 500HD Install Manual (DD1798473) [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.	• **Section 3** of Installation Manual • **DWG-992093, DWG-969776, DWG-992088, DWG-982267, DWG-1005534,** and/or Site-Specific Drawings
4. Aim Speakers ☐ Aim speakers to fit venue ☐ Record angles: Left:_____ Right:_____	a. Speakers need to be aimed horizontally to fit the venue. They are factory set at 30 degrees each side (Dual System). Refer to Speaker Adjustment Chart for aiming information and angle details. b. Record the adjusted angles.	• **Section 3** of Installation Manual • **DWG-1108053** • 9/16" socket wrench
5. Mount Control Enclosure ☐ Mount control enclosure within 50' of the sound cabinet	Ensure the control enclosure is properly mounted per customer's direction on location, typically on the base of the display structure or support columns within 50' of the sound cabinet. Refer to **Section 3** of the Installation Manual. Only 50' of speaker wire is included and pre-wired in the sound cabinet.	• **Section 3** of Installation Manual • **DWG-1131068** • 1/2" wrench/socket • 3/4" wrench/socket
6. Route and Terminate Speaker Cable ☐ Verify conduit run will be shorter than 50' ☐ Verify conduit entry points are at the bottom and/or weatherized ☐ Verify cable is pulled ☐ Terminate speaker cables	a. Speaker cable is bundled in the sound cabinet for field installation behind the right rear access door. Conduit path must be shorter than 50' and run from the bottom of the speaker cabinet to the bottom-left side of the control enclosure. b. Confirm cabinet and control enclosure entry points are at the bottom; if that is not possible, weatherized connections must be used to prevent water intrusion. c. Pull cable or verify cable was pulled. d. Terminate speaker cable in the bottom-left side of the control enclosure. Refer to riser drawing for termination.	• **Section 4** of Installation Manual • **DWG-980598** • small flat screwdriver • wire stripper
7. Inspect Power Connections ☐ Verify power is brought into the bottom of the control enclosure ☐ Verify breaker panel has surge suppressor ☐ Verify sound cabinet and enclosure are properly grounded ☐ Verify power indicator LED lights up ☐ Ensure power panel cover is secured	a. Main power is brought via conduit into the bottom of the control enclosure. b. The breaker panel should have the surge suppressor installed. c. The sound cabinet and control enclosure 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. e. Ensure power panel cover is secured in place.	• **Section 4** of Installation Manual • **DWG-980598** • small flat screwdriver • wire stripper

1. Shipping Bracket

2. Rear of Cabinet
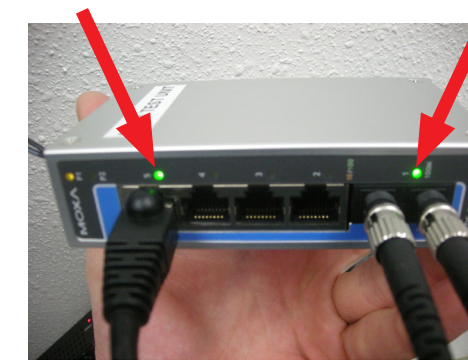

4. Aiming Bracket

6. Control Enclosure

Note: Power/Signal connections should **NOT** be drilled through the top of enclosure. If so, a weather sealing connection is required.
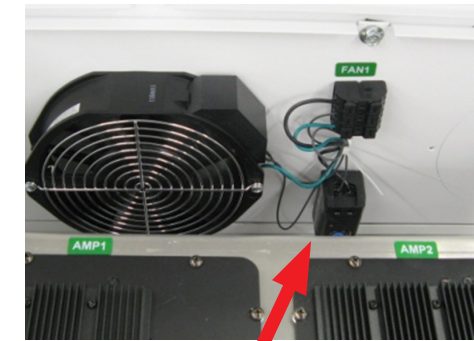

7. Inside Control Enclosure

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Task (Major Step)	Process / Key Points / Reason Why (if applicable)	Tools Required / Reference Materials
8. 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. **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. **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-980598** • fiber kit • small flat screwdriver • wire stripper
9. Inspect Amp Lights & Fan ☐ Verify amp/network lights are correct and show connectivity ☐ Verify proper fan operation	**a.** 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. **b.** Verify that fan thermostat is set correctly **(85-95° F)** and fan runs properly.	Sportsound Amplifier Field Guide (DD3318172)
10. Secure Doors ☐ Verify doors are latched and secured ☐ Lock control enclosure and give keys to customer	**a.** After all work is performed, make sure all doors are properly latched and secured in place for both speaker cabinet and control enclosure. **b.** A padlock is provided with the control enclosure. Keys should be given to customer after final training is performed.	• flat screwdriver • padlock
11. 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)
12. Commission Sound System ☐ Use SS500HD Monitor Panel to test system ☐ Record impedance values or attach screenshot of Monitor Panel with values: **HF L:**_____ **MF L:**_____ **HF R:**_____ **MF R:**_____ **LF:**_____	**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, SS500HD Monitor Panel (Links to software provided in DD2738410)
13. 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 ☐ Reminder to clean control enclosure filters annually ☐ 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.** Remind customer to clean control enclosure filters annually to maintain adequate ventilation and heat dissipation. **e.** 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:**

amp-to-switch connectivity

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

9. Switch Indicator Lights

9. Fan Thermostat

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