

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 <input type="checkbox"/> Unload equipment from truck <input type="checkbox"/> Store control equipment in secure location	a. Receive equipment. b. Store all front-end control equipment in a secure location or press box to prevent damage or theft. Control system should not be left in an outdoor environment.	<ul style="list-style-type: none"> Video Playlist: SSR-200 Control System SSR-200 Gen II Operation Manual (DD3159816) This manual includes all drawings referenced below.
2. Inspect Equipment <input type="checkbox"/> Inspect rack equipment for damage <input type="checkbox"/> Report damage to PM	a. Visually inspect the rack equipment for deep scratches, dents, chips, etc. b. Contact PM/PC about any damaged goods.	
3. Set up Control System <input type="checkbox"/> Remove front, top, and back covers <input type="checkbox"/> Set antennas at 45° angles <input type="checkbox"/> Connect Announcer's Interface to rack <input type="checkbox"/> Connect microphone and headphones <input type="checkbox"/> Plug in power for announcer's interface	a. Remove front, top, and back covers from the rack. b. With optional wireless receiver(s) installed, position antennas outward at 45° angles as shown in image 3b. Optional In-Ear Monitor antenna points straight up. Optional ADA Hearing Assist antenna is wall mounted; mount and connect based on manufacturer's recommendation (within 25' of control rack). c. Connect interface cable between announcer's interface and MIC 1 and AUX 1 on side of rack. d. Set up wired microphone w/ stand and plug into announcer's interface MIC 1 INPUT jack. Plug headphones or headset into 1/4" jack. e. Power announcer's interface with provided power supply. Use the outlets in the rack if possible.	<ul style="list-style-type: none"> Section 3 of Operation Manual SSR-200 Gen II Quick Start Guide (DD3159573)
4. Plug in and Turn on Rack <input type="checkbox"/> Connect rack to power <input type="checkbox"/> Connect rack to sound system input <input type="checkbox"/> Turn on power to the rack <input type="checkbox"/> Turn AUDIO SIGNAL switch to ON	a. Plug control system into a power receptacle. Power for the control rack (and fiber box) shall NOT be on the same circuit as the All Sport console. b. Route the XLR cable from AUDIO OUT on the side of the rack to a wall plate (or fiber conversion box). c. Switch the power strip to the ON position. d. Switch the AUDIO SIGNAL to ON.	<ul style="list-style-type: none"> Section 3 of Operation Manual SSR-200 Gen II Quick Start Guide (DD3159573)
5. Inspect All Source Equipment LEDs <input type="checkbox"/> Verify mixer POWER LED is on <input type="checkbox"/> Verify Announcer's Interface POWER LED is on <input type="checkbox"/> Verify wireless receiver(s) powered on <input type="checkbox"/> Verify CD player is on <input type="checkbox"/> Verify optional Hearing Assist System is on <input type="checkbox"/> Verify optional In-Ear Monitor System is on	a. Verify mixer POWER LED is on. b. Verify Announcer's Interface POWER LED is on. c. Verify one or both wireless receivers (if present) are powered on.* d. Verify CD player is on.* e. Verify optional Hearing Assist power is on.* f. Verify optional In-Ear Monitor power is on.* *LCDs display text when powered on.	
6. Test Mixer & I/O Panel <input type="checkbox"/> Connect music source into input 2 <input type="checkbox"/> Set channel gain <input type="checkbox"/> Turn up channel fader <input type="checkbox"/> Turn up maser fader <input type="checkbox"/> Repeat testing for other inputs <input type="checkbox"/> Reset controls back to original settings	a. Connect the LTIBLOX device between input 2 on the mixer and a laptop/smartphone, and then play an appropriate song. b. Verify PFL is enabled only on channel 2, use the GAIN knob to set channel gain, and then turn off PFL. c. Turn up channel fader to desired level. d. Turn up master fader to desired level. e. Repeat testing for other inputs. f. Set controls back to original settings unless they were set improperly.	<ul style="list-style-type: none"> Section 3 of Operation Manual SSR-200 Gen II Quick Start Guide (DD3159573)

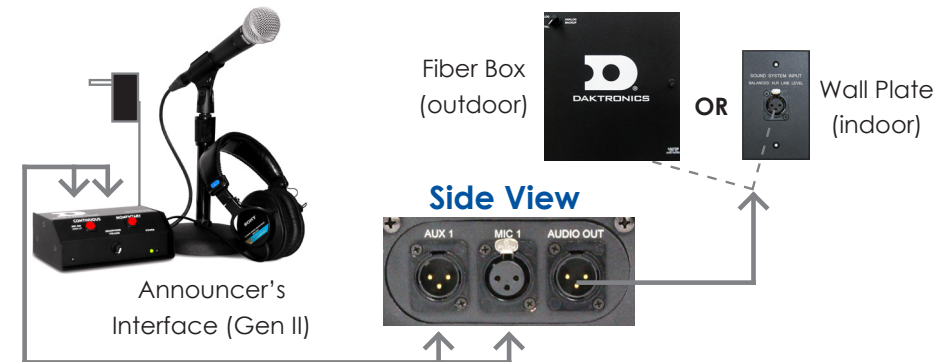
Products Involved:
SSR-200



3b. SSR-200 Rack



3c. Interface Cable



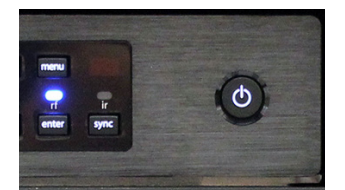
3c & 4b. Connections



5a. Mixer Power



5b. Announcer's Interface Power



5c. Wireless Mic Power

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7. Test Announcer's Interface <input type="checkbox"/> Test MOMENTARY and CONTINUOUS functionality <input type="checkbox"/> Test headphones <input type="checkbox"/> Test optional headset, if present	<p>a. Talk into the microphone and ensure both MOMENTARY and CONTINUOUS buttons work properly and audio is being sent through the speaker system.</p> <p>b. Plug headphones into rear 1/4" or 1/8" jack and ensure the audio comes in clearly. The default setting for an SSR-200 setup is typically "AUX IN".</p> <p>c. Some systems may include an optional headset. Connect the headset in place of the microphone and headphones and test that the headset works properly. The headset is a condenser mic and needs phantom power on. Ensure the phantom (PHTM) power button is pushed in. DO NOT TOGGLE PHANTOM POWER OR PLUG/UNPLUG MIC WITH THE MIC ACTIVE.</p>	<p>Sportsound Announcer's Interface Gen II Quick Guide (DD3083838)</p>
8. Set up/Check Wireless Mics <input type="checkbox"/> Find clear frequencies for wireless mics <input type="checkbox"/> Set up compatible frequencies for additional receivers <input type="checkbox"/> Sync transmitters to the receivers <input type="checkbox"/> Test wireless systems throughout venue <input type="checkbox"/> For ref mic, install windscreens on WL185	<p>a. Perform a scan using the menu on the receiver. Alternately, use Shure Frequency Finder to find channels available to wireless microphones by location. Using these frequencies provides minimum chance of interference.</p> <p>b. If using multiple wireless receivers, group should be the same on each, but each channel should be different.</p> <p>c. Ensure the transmitter group and channel are set the same as the receiver by using the IR sync function.</p> <p>d. Test transmitters by walking throughout venue while talking and ensuring there are no dropouts. Ensure antennas are in clear line of sight of where transmitters will be used. If not, a Remote Antenna kit is required.</p> <p>e. Install fuzzy windjammer on ref mic as shown in image 8e.</p>	<ul style="list-style-type: none"> www.shure.com/americas/support/tools/wireless-frequency-finder Section 3 of Operation Manual SSR-200 Gen II Quick Start Guide (DD3159573)
9. Set up/Check Optional In-Ear Monitor & Hearing Assist Systems <input type="checkbox"/> Test In-Ear Monitor System throughout venue <input type="checkbox"/> Test Hearing Assist system throughout venue <input type="checkbox"/> Hang ADA sign	<p>a. Check optional In-Ear Monitor system and ensure it is working properly throughout venue. Play a CD or media source and set mixer levels accordingly. Adjust the AUX 2 knob on mixer for the CD player input 6 and watch the In-Ear Monitor (WTX1) for signal.</p> <p>b. Check optional Hearing Assist system and ensure it is working properly throughout venue. Play a CD or media source and set mixer levels accordingly. Anything outputting from main system out is what the hearing assist system is receiving.</p> <p>c. Hang ADA sign per customer's direction.</p>	<ul style="list-style-type: none"> Section 3 of Operation Manual SSR-200 Gen II Quick Start Guide (DD3159573) https://www.youtube.com/watch?v=RQw_Q3-4r7c&index=3&list=PLYbXXUEtsf9pdNu4BcZspaDReEQ2Qu_KX
10. Install and Test Optional Equipment <input type="checkbox"/> Install any antenna kits, if present <input type="checkbox"/> Install optional monitor speaker	<ul style="list-style-type: none"> High Gain Antenna Enhancement Kit: Two mounting options are available: ceiling or mic stands. Route supplied cables to rack. Kit, Remote Antennas, 25' BNC: Mount brackets to wall or ceiling so antennas will be in clear line of sight with the field. Antennas should be perpendicular with field. Monitor Speaker: Plug monitor speaker into power outlet and plug cable from LINE 2 to MONITOR OUT on mixer. Ensure speaker is working properly. 	<ul style="list-style-type: none"> Packet: 0A-1340-0325 (dual) Packet: 0A-1340-0326 (single) Packet: 0A-1534-0081 High Gain Antenna Kit Install Guide (DD2497934) Packet: 0A-1340-2037
11. Train Customer on Control Operation <input type="checkbox"/> Train customer on proper control system operation	<p>Train the customer on proper operation of the audio control system. Refer to Customer Training Work Instruction for key/essential items the customer/operator should be trained on.</p>	<p>Work Instruction - Customer Training (DD2535122)</p>
SO/Contract #:	Technician Name:	Date:

