

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-100 Control System SSR-100 Gen III Operation Manual (DD3953255) 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 and back covers from the rack <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 and back covers from the rack. b. With optional wireless receiver(s) installed, position antennas outward at 45° angles as shown in image 3b. c. Connect interface cable between announcer's interface and MIC 1 and AUX 1 (OUT 2) on front 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-100 Gen III Quick Start Guide (DD3953258)
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 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 MAIN OUTPUT (OUT 1) on 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-100 Gen III Quick Start Guide (DD3953258)
5. Inspect All Source Equipment LEDs <input type="checkbox"/> Verify mixer PWR LED is on <input type="checkbox"/> Verify Announcer's Interface POWER LED is on <input type="checkbox"/> Verify wireless receiver(s) powered on	a. Verify mixer PWR LED is on. b. Verify Announcer's Interface POWER LED is on. c. Verify one or both wireless receivers (if present) are powered on.	
6. Test Mixer & I/O Panel <input type="checkbox"/> Connect microphone into MIC 1 input <input type="checkbox"/> Turn up input channel and master volumes <input type="checkbox"/> Repeat testing for other inputs <input type="checkbox"/> Reset controls back to original settings	a. Connect a microphone directly into the MIC 1 input and speak into it. b. Turn up the input channel then OUT 1 accordingly. c. Repeat for MIC 2, 3, and 4 (3 and 4 are located on back of mixer). MIC/LINE 1 and 2 are generally used with wireless mics. Switch SIGNAL to OFF position before unplugging and plugging to a different jack. d. Set controls back to original settings unless they were set improperly.	<ul style="list-style-type: none"> Section 3 of Operation Manual SSR-100 Gen III Quick Start Guide (DD3953258)

Products Involved:
SSR-100



3b. SSR-100 Rack



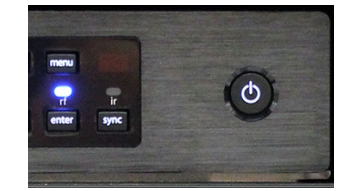
3c. Interface Cable



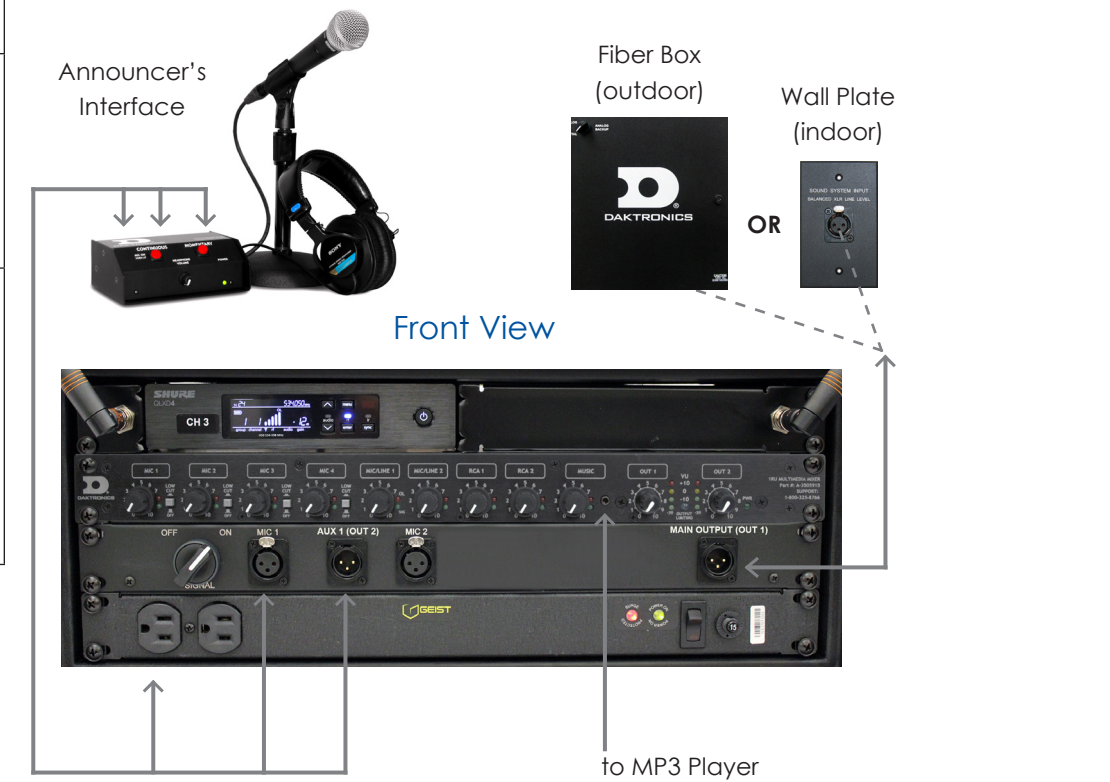
5a. Mixer Power



5b. Announcer's Interface Power

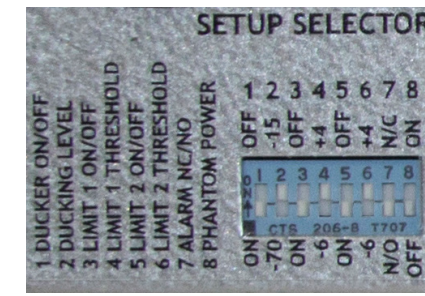


5c. Wireless Mic Power



6. I/O Panel with Connections

Task (Major Step)	Process / Key Points / Reason Why (if applicable)	Tools Required / Reference Materials
7. Verify DIP Switch Settings <input type="checkbox"/> Verify ducker settings <input type="checkbox"/> Verify limiter settings <input type="checkbox"/> Verify fire alarm settings <input type="checkbox"/> Verify phantom power setting	a. Verify ducking settings match defaults or change based on site preferences. b. Verify limiter settings match defaults or change based on site preferences. c. Verify fire alarm settings match defaults or change based on connections available on site. If no fire connections, leave as normally open. If set to N/C (Normally Closed) with no connection, the mixer will be in a mute state. d. Verify phantom power settings are correct based on microphones used in MIC 1–4 inputs.	<ul style="list-style-type: none"> Section 3 of Operation Manual SSR-100 Gen III Quick Start Guide (DD3953258)
8. 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	a. Talk into the microphone and ensure both MOMENTARY and CONTINUOUS buttons work properly and audio is being sent through the speaker system. b. Plug headphones into rear 1/4" or 1/8" jack and ensure the audio comes in clearly. The default setting for an SSR-100 setup is typically "MIC ONLY". 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.	Sportsound Announcer's Interface Gen II Quick Guide (DD3083838)
9. 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	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. b. If using multiple wireless receivers, the group should be the same on each, but each channel should be different. c. Ensure the transmitter group and channel are set the same as the receiver by using the IR sync function. 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. e. Install fuzzy windjammer on ref mic as shown in image 9e.	<ul style="list-style-type: none"> www.shure.com/americas/support/tools/wireless-frequency-finder Section 3 of Operation Manual SSR-100 Gen III Quick Start Guide (DD3953258)
10. Install and Test Optional Equipment <input type="checkbox"/> Install any antenna kits, if present	<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. 	<ul style="list-style-type: none"> Packet: 0A-1340-0325 Packet: 0A-1534-0081 High Gain Antenna Kit Install Guide (DD2497934)
11. Train Customer on Control Operation <input type="checkbox"/> Train customer on proper control system operation	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.	Work Instruction - Customer Training (DD2535122)
SO/Contract #:	Technician Name:	Date:



7. Mixer DIP Switches



9e. Windscreen Installation