



# Bass Speaker Enclosures

## **OWNER'S MANUAL**

**PROFESSIONAL SERIES**

**GOLIATH III**

## **GENERAL INFORMATION**

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### **CONNECTION**

Only one amplifier at a time can be connected to your SWR speaker enclosure. DO NOT plug two amplifiers into one speaker enclosure, as it will not work and may damage your system. Always complete your amplifier-to-speaker and speaker-to-speaker connections before powering up your system.

### **SPEAKER CABLE**

Only SPEAKER CABLE of 18 gauge or heavier (the heavier the cable, the lower the gauge) should be used to connect your amplifier to your SWR speaker enclosure. Do not use shielded instrument cable to connect your amplifier to your speakers, as this can result in intermittent power loss, cause your amp to oscillate and damage itself and/or your speakers, and render the cable useless for any purpose.

### **SPEAKON JACKS**

Whenever possible, use of the Speakon® jacks is recommended. Speakon jacks and connectors offer the best possible connection and are far superior to banana or 1/4" phone jacks in that they not only lock in place (preventing accidental disconnection), but also offer a greater and more stable connection surface. This solid connection provides a more effective transfer of power to your speakers, particularly from high-powered amplifiers.

### **TWEETER PROTECTION CIRCUIT**

The tweeter protection circuit for SWR Professional Series speaker enclosures includes a size 3AG, 3 amp, 250 volt, fast-blo fuse. Do not replace this with a fuse of a higher rating as it will void your warranty. A sudden burst of feedback or a heavily clipped waveform can cause the fuse to open, resulting in loss of output from the tweeter.

### **SHOCK MOUNTED STEEL GRILL**

The custom-manufactured steel grill is mounted on the top and sides with hard rubber standoffs and is installed to protect your SWR speaker enclosure's components from puncture or other physical damage. The standoffs act as "shock absorbers" when the grill is bumped, and are also intended to prevent the grill from rattling during use. Prior to shipping, the grill mounting screws are tightened to a point where the standoff barely compresses. This keeps the height of the grill far enough off the speaker and prevents the grill from rattling on the head of the screw. Should the screws loosen, some rattling may occur. If this happens, simply tighten the screws until they become snug. Do not over-tighten the screws, as this could bring the grill too close to your speaker(s) and cause interference with the speaker cone.

### **CLEANING AND MAINTENANCE**

A soft, dry cloth can be used to remove smudges or fingerprints from the chrome grill. A stiff brush (such as those available in the cleaning section of most supermarkets) can be used to keep the cabinet's carpeting free of lint, pet hair and dust. Should you encounter a problem with the carpet collecting odor (from smokey clubs, etc.) a common carpet cleaner can be used. It is recommended that, prior to spraying down the entire covering, you test whichever cleaner you choose on a small, inconspicuous area on the underside of the enclosure. This will prevent any accidental discoloration from being in view. All screws on the baffle and input panel should be checked periodically for tightness, so as not to become loose (causing rattles or air leaks) or lost.

## TILT-BACK DESIGN

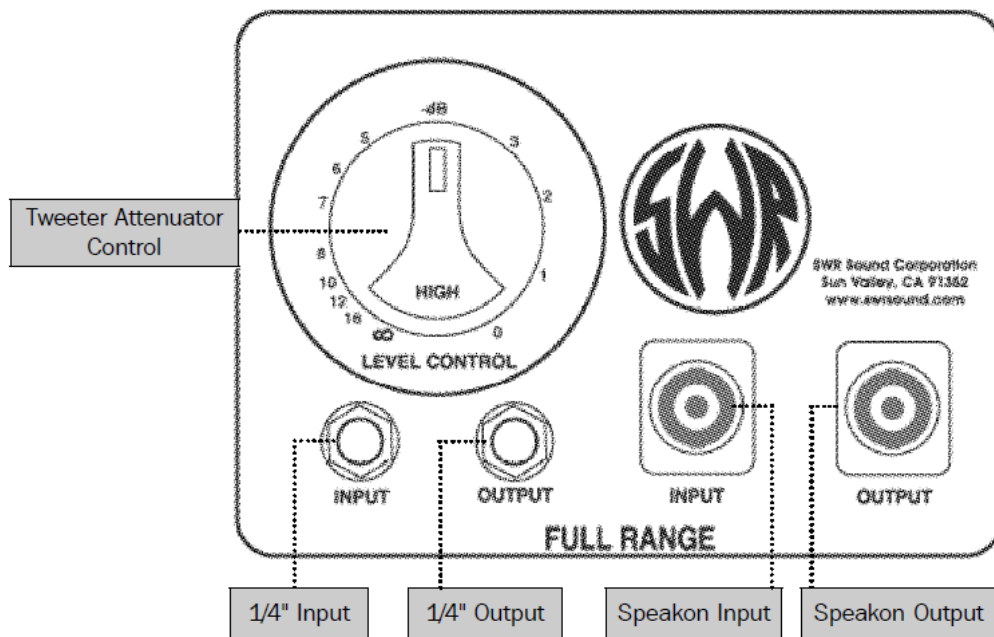
SWR's Megoliath, Goliath Senior, Big Bertha and Henry The 8x8 feature a tilt-back design for easy transportation. To take advantage of this feature, firmly grasp the bar or handle (depending on the model) found on the top rear surface of the enclosure. Carefully pull the top of the cabinet toward you so that the enclosure balances on its heavy-duty caster wheels. When a comfortable balance is achieved, push forward in the direction you want to move the enclosure.

## REMOVABLE CASTER WHEELS - GOLIATH III AND 12-STACK MODELS

The Goliath III and the 12-Stack are shipped with a set of four, heavy-duty, removable caster wheels. SWR uses only closed shaft sockets so as to prevent air leaks or unwanted noise when the enclosure is in use. To install the caster wheels on these speaker cabinets, carefully turn the enclosure upside down (or on its side) so that the caster base/sockets are visible. Insert the shaft of each caster wheel into a socket on the underside of the speaker cabinet. When all four wheels are firmly in place, return the cabinet to its upright position and you're ready to roll. You can leave the casters in place during performance, but it's recommended that they be removed prior to setting up your amplification system. This will allow your cabinet to couple to the floor, which can be helpful in extending your system's bass response. Please note that the ball bearing type caster wheels provided with your Goliath III or 12-Stack cabinet may require periodic replacement depending on usage and care. Replacement caster wheels can be purchased from the SWR Service Department.

## INPUT PANEL DIAGRAMS

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## **GOLIATH III**

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### **SPECIFICATIONS**

*Description:* 4x10" + Tweeter Speaker Enclosure

*Power Handling:* 700 Watts RMS

*Impedance:* 8 ohms or 4 ohms – depending upon which model purchased (8-ohm and 4-ohm models available)

*Frequency Response & SPL:* 105 dB SPL @ 1W1M  
(-3dB @ 40 Hz and 15 kHz)

*Speaker Complement:* (4) 10" P.A.S Drivers, (1) Foster Horn  
Removable Casters, Spring Loaded Rubber Grip Handles,  
Bottom Slot Port

*Dimensions:* 23"W x 25.25"H x 18.375"D

*Weight:* 89 lbs.

### **P.A.S. 10" SPEAKER SPECIFICATIONS**

*Free Air Resonance:* 47 Hz

*Individual Impedance:* 8 Ohms (each)

*Power Rating:* 175 Watts RMS (each)

### **CONNECTION AND OPERATION**

Goliath III can be connected to any musical instrument amplifier capable of driving an 8 ohm load. To connect your amplifier to Goliath III, run a high quality speaker cable (18 gauge or heavier) from your amplifier's speaker output to one of the designated speaker inputs (Speakon or 1/4") on Goliath III's input panel.

### **POWER HANDLING**

The power output rating for any amplifier connected to Goliath III should not exceed the enclosure's 700 watt RMS power handling capacity. Please be aware that exceeding Goliath III's power handling capacity can void the SWR warranty if any damage occurs to your loudspeakers due to overpowering.

### **FULL RANGE INPUT AND OUTPUT JACKS**

Goliath III features four, full range input/output jacks (two standard 1/4" and two Speakon) wired in parallel. If you are running two speaker enclosures in parallel, connect the speaker cable from your amplifier to either jack labeled "IN," and a second speaker cable from either jack labeled "OUT" to the input of the second speaker enclosure.

### **TWEETER ATTENUATOR CONTROL**

The large dial found on the input panel of the cabinet is the Tweeter Attenuator. This control is used to adjust the level of high frequency signal present at the tweeter. A normal setting for this control is straight up or "twelve o'clock." Turning the dial fully counter-clockwise removes the tweeter from the circuit. As you turn the dial clockwise from this position, the high frequency content is increased.

### **INTERNAL CROSSOVER**

Goliath III's internal (passive) crossover divides the incoming signal into two frequency bands. The crossover point is 5 kHz (frequencies above 5 kHz are sent to the tweeter, frequencies below 5 kHz are sent to the 10" speakers).



8-ohm model



4-ohm model