
WorkingPro™ Series

BASS SPEAKER ENCLOSURES



OWNER'S MANUAL

swrsound.com

Important Safety Instructions



This symbol warns the user of dangerous voltage levels localized within the enclosure.



This symbol advises the user to read all accompanying literature for safe operation of the unit.

- △ Read, retain, and follow all instructions. Heed all warnings.
- △ **WARNING:** To prevent damage, fire or shock hazard, do not expose this unit to rain or moisture.
- △ This product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
- △ This product should only be used with a cart or stand that is recommended by the manufacturer.
- △ Do not drip nor splash liquids, nor place liquid filled containers on the unit.
- △ **CAUTION:** No user serviceable parts inside, refer servicing to qualified personnel only.
- △ SWR® amplifiers and loudspeaker systems are capable of producing very high sound pressure levels which may cause temporary or permanent hearing damage. Use care when setting and adjusting volume levels during use.

Congratulations on your decision to make a WorkingPro™ bass speaker enclosure part of your bass amplification system. Since 1984, we here at SWR® have been putting everything we know about bass into the SWR® product line. We've earned a reputation for designing and manufacturing gear that has changed the way bassists hear themselves. That's why you'll find our bass amps, cabinets, and combos on stages and in recording studios around the world—and why you'll hear SWR® on countless recordings, spanning all genres of music.

Inside this owner's manual you'll find specifications, features, and usage suggestions for every WorkingPro™ bass speaker enclosure we make. New SWR® user and seasoned user alike will benefit from reading through this brief but informative manual.

Thank you for choosing SWR®.

Sincerely,
SWR

Connections and Operation



INPUT PANEL

Tweeter Attenuator Control {A}

This level control adjusts the loudness of the tweeter (high-frequencies). A normal setting for this control is straight up (twelve o'clock). Turn the dial fully counter-clockwise to remove the tweeter from the circuit. Turn the dial clockwise to increase the high frequency content. **NOTE:** Any amplifier clipping (distortion) that occurs will always be accentuated by the tweeter. Turn down the master volume on your amplifier to reduce the clipping. See *Troubleshooting* below if clipping persists.

An internal (passive) crossover divides the signal, sending frequencies above 5kHz to the tweeter and those below 5kHz to the drivers.

Input and Output Jacks {B & C}

WorkingPro™ Series speaker enclosures feature both 1/4" {B} and Speakon® {C} input/output jacks to provide flexibility in making your speaker connections. Use the Speakon® jacks whenever possible to take advantage of their superior power transfer efficiency and locking connectors. All four jacks are full range and wired in parallel.

Multiple Speaker Enclosures {D}

You can connect multiple WorkingPro™ speaker enclosures to your amplifier within limits (see *Impedance Guidelines* below). Connect the first speaker to your amplifier as usual, then connect the second speaker to an OUTPUT jack on the first speaker, and so on.

IMPEDANCE GUIDELINES

Use the impedance ratings on your amplifier and speakers to determine if a particular combination of speakers is appropriate for your amplifier. **NOTE:** All SWR® bass speaker enclosures (and most others) are wired in parallel (NOT series), therefore, these *Impedance Guidelines* apply only to parallel speaker connections. The illustration below shows the total impedance loads of various combinations of speakers connected in parallel.

IMPORTANT INFORMATION

- ONLY connect one amplifier to your bass speaker enclosure(s). Two amplifiers WILL NOT work and may damage your equipment.
- DO NOT connect speakers with a total impedance load below the minimum rating of your amplifier to prevent damage to your equipment. See *Impedance Guidelines*.
- ONLY connect speakers with a total power handling capacity that is above the power output rating of your amplifier to prevent damage to your equipment.
- ALWAYS switch your system power OFF before connecting or disconnecting speakers.
- ONLY use unshielded speaker cable of 18 gauge or heavier (such as 16 or 14 gauge) for speaker connections. Shielded instrument cable WILL NOT work and may damage your equipment.
- SWR® RECOMMENDS removing the casters from the WorkingPro™ 4X10T during performance so the cabinet contacts the floor, extending your bass response.

$$4\Omega + 4\Omega = 2\Omega \quad \triangle$$

$$4\Omega + 8\Omega = 2.7\Omega \quad \triangle$$

$$8\Omega + 8\Omega = 4\Omega$$

$$8\Omega + 16\Omega + 16\Omega = 4\Omega$$

$$16\Omega + 16\Omega + 16\Omega + 16\Omega = 4\Omega$$

$$8\Omega + 16\Omega = 5.3\Omega$$

$$16\Omega + 16\Omega + 16\Omega = 5.3\Omega$$

$$16\Omega + 16\Omega = 8\Omega$$

Generally, you will want to connect your amplifier to speakers with a total impedance load equal to the minimum impedance rating of your amplifier. \triangle Operating below the minimum impedance rating can easily overheat the amplifier and cause damage. Operating above the minimum impedance rating will reduce the amplifier's maximum power output.

Notice that different combinations of speakers can equal the same total impedance load. If their impedances are the same, each speaker will receive equal power from your amplifier.

However, if their impedances are *not* the same, speakers with the lowest impedances will receive the most power. For example, if 4 Ω , 8 Ω and 16 Ω speakers are connected, the 4 Ω speaker will receive most of the power and the 16 Ω speaker will receive almost none of the power. Take this into consideration when calculating power handling capacities and when positioning your bass speaker enclosures.

CLEANING AND MAINTENANCE

A soft, dry cloth can be used to remove smudges or fingerprints from the speaker grill. A stiff brush can be used to keep the carpeting clean. Should the carpet acquire an odor (from smokey clubs, etc.) a common carpet cleaner can be used according to the product directions.

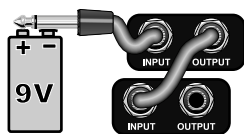
Cabinet Vibration

Periodically check for and tighten loose screws to prevent any rattles or air leaks. There are screws on the baffle and input panel as well as the steel grill. Do not over-tighten the steel grill screws which may compress the rubber standoffs and cause interference between the grill and the speaker(s).

TROUBLESHOOTING

I hear unwanted distortion... First identify the source: Temporarily replace each cable, then the amplifier in turn with a tested substitute. Turn off the tweeter to isolate the woofer. If you hear no improvement at any point, contact an authorized SWR/FMIC service center.

Multiple speaker enclosures have a hollow, thin sound...



Test for reversed wiring: Pull the speaker cable plug from the amplifier. Each woofer should move out (towards the grill) when a 9 volt battery is applied as shown. If not,

temporarily replace each cable in turn with a tested substitute. If you see no improvement at any point, contact an authorized SWR/FMIC service center.

SPECIFICATIONS

WorkingPro™ 4x10

Power Handling: 400 watts RMS

Impedance: 8 ohms

Frequency Response & SPL:

100 dB SPL @ 1W1M (–3dB @ 50 Hz and 18KHz)

Speaker Complement:

(2) Custom Designed 10" SWR® Drivers

(1) Custom Designed Tweeter

Porting: Front Slot Port

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

Weight: 97 lbs.

WorkingPro™ 2x10

Power Handling: 200 watts RMS

Impedance: 8 ohms

Frequency Response & SPL:

98 dB SPL @ 1W1M (–3db @ 63 Hz and 18.5 KHz)

Speaker Complement:

(2) Custom Designed 10" SWR® Drivers

(1) Custom Designed Tweeter

Porting: Front Slot Port

Dimensions: 23"W x 17"H x 16.25"D

Weight: 55 lbs.

WorkingPro™ 1x15

Power Handling: 200 watts RMS

Impedance: 8 ohms

Frequency Response & SPL:

100 dB SPL @ 1W1M (–6dB @ 40 Hz and 18KHz)

Speaker Complement:

(1) Custom Designed, Stamped Steel Frame 15" SWR® Driver

(1) Custom Designed Tweeter

Porting: Front Slot Port

Dimensions: 23.25"W x 20.25"H x 18.5"D

Weight: 60 lbs.

WorkingPro™ 1x10

Power Handling: 100 watts RMS

Impedance: 8 ohms

Frequency Response & SPL:

96 dB SPL @ 1W1M (–3dB @ 70Hz and 18KHz)

Speaker Complement:

(1) Custom Designed, Stamped Steel Frame, 10" SWR® Driver

(1) Custom Designed Tweeter

Porting: Front Slot Port

Dimensions: 16.25"W x 14.5"H x 14"D

Weight: 33 lbs

SWR®

Corona, California USA

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