

Description

TruAudio is proud to introduce a revolutionary new design, the Wraith series of invisible in-wall speakers and subwoofers. Extremely versatile in their ability to support both multiroom audio and surround applications, the Wraith Series literally disappears into any space.

Box Contents

WR24 Speaker

- 2 in-wall speakers
- 2 wood spacers per speaker
- 2 sets of fiber tape
- 2 sets of speaker overload protection and crossover (WRPRO), 1 per speaker

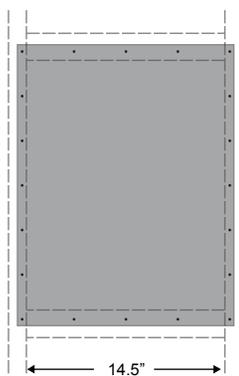
WR40 Subwoofer

- 1 in-wall subwoofer
- 1 wood spacer
- 1 set of fiber tape

WR₂₄
INVISIBLE SPEAKER

Speaker Placement - WR24 Speaker

Place wood spacer on the wall where you would like to install the speaker and draw a line around the OUTSIDE of the template. Carefully cut along the line and remove the piece of sheetrock. Make sure the outside edges of the speaker holes line up with the studs. Half of the studs should be visible for the screws to attach. (If the wall is not pre-framed it is recommended to add a piece of 1x4 wood along the top & bottom of the cutout for the speaker to attach to.)

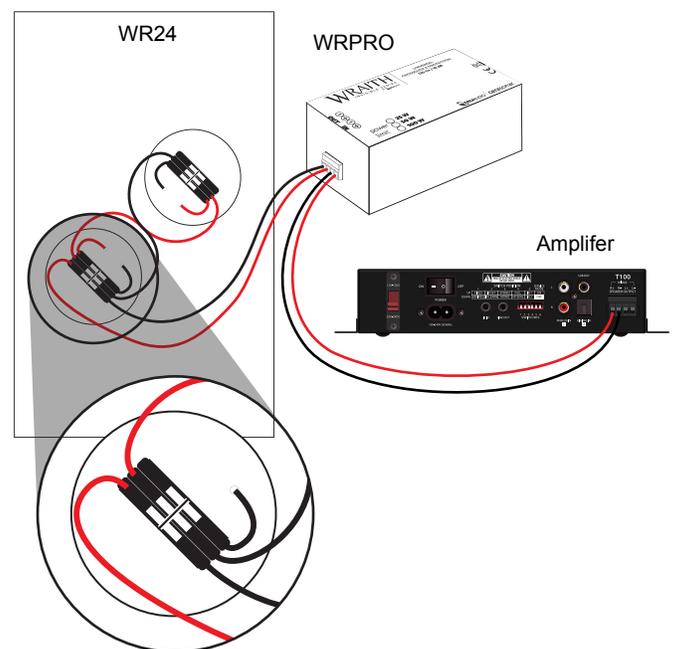


Insulation

Fit mineral wool or fiberglass insulation (not included) behind the speaker, be sure there is no compression between the insulation and the back of the speaker.

Wiring WR24 Speaker

Run your speaker wires from your amplifier to the "IN" on the WRPRO protection unit. Then run speaker wires from the WRPRO "OUT" to the speaker. Attach the black & red wires to the speaker as seen in the image below.



MANDATORY:

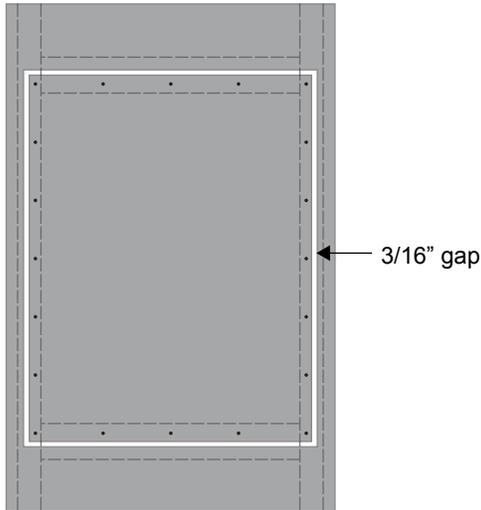
The WRPRO MUST BE USED.

The WRPRO must be used in line between the speaker and your amplifier. The speaker will blow if you send a signal directly to the speaker and will not be covered under warranty.

The protection unit "WRPRO" serves as an extended overload protection and crossover that also reacts to fast impulses. These speakers are ONLY warranted if this unit is used. When using the WRPRO you will get the best performance from your speakers.

Mounting the Speaker

The speaker should fit in the opening you cut with no more than a 3/16" gap around the speaker. There are 2 included wood templates (2 thicknesses), install one, both or neither to get the speaker to lay close to the wall surface. Screw the speaker into the studs.



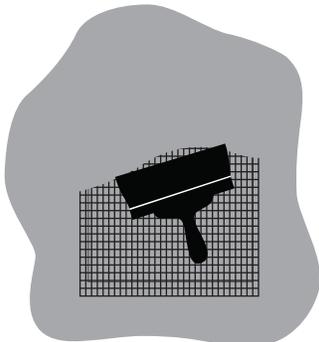
IMPORTANT!

You must now play music through the speaker before continuing to the next step.

Finishing

After testing the the speaker and assuring everything is correct you will need to have a skilled drywall spackler fill in the gaps around the speaker with drywall spackle (DO NOT USE - lightweight joint compound) and lay the included drywall tape over the joint compound over the seams. Next spackle the entire speaker area smooth to blend into the wall, no thicker than 2mm.

Once the joint compound is dry, sand smooth and paint.

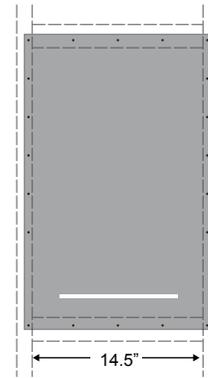


WR40

INVISIBLE SUBWOOFER

Speaker Placement - WR40 Subwoofer

Place wood spacer on the wall where you would like to install the subwoofer and draw a line around the OUTSIDE of the template. Carefully cut along the line and remove the piece of sheetrock. Make sure the outside edges of the speaker holes line up with the studs. Half of the studs should be visible for the screws to attach. (If the wall is not pre-framed it is recommended to add a piece of 1x4 wood along the top & bottom of the cutout for the speaker to attach to.)



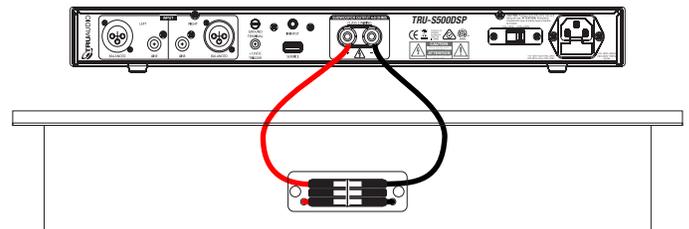
Insulation

Fit mineral wool or fiberglass insulation (not included) behind the speaker, be sure there is no compression between the insulation and the back of the speaker.

Amplifier

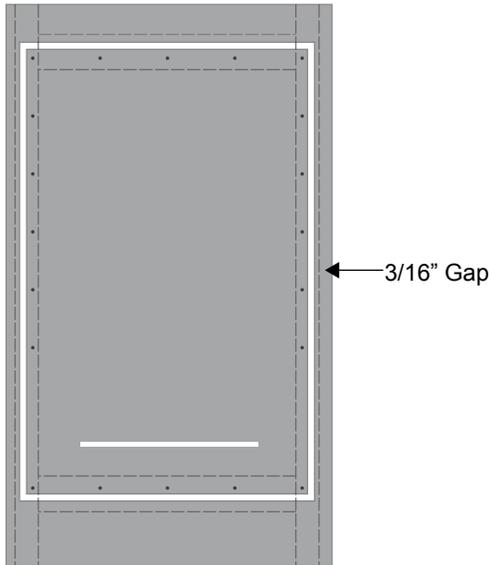
When using the WR40 subwoofer you MUST use only the TRU-S500DSP with the appropriate DSP (WR40) to power it. Using any other amplifier will void your warranty.

After wiring the the WR40 to the TRU-S500DSP and setting it to DSP setting (WR40) please set the volume knob to no higher than -2.



Mounting the Speaker

The sub should fit in the opening you cut with no more than a 3/16" gap around the sub. There are 2 included wood templates (2 thicknesses), install one, both or neither to get the sub to lay close to the wall surface. Now screw the sub into the studs.



Next have a skilled drywall spackler fill in the gaps around the sub with drywall spackle (DO NOT USE - lightweight joint compound) and lay the included drywall mesh over the joint compound over the seams. Next spackle the entire speaker area smooth to blend into the wall, no thicker than 2mm.

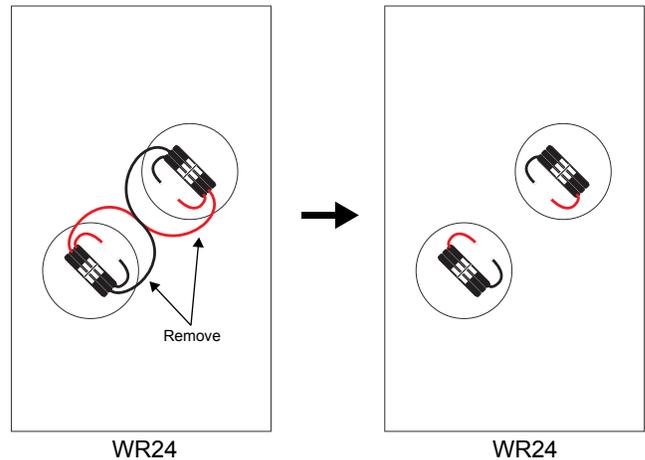
Once the joint compound is dry, sand smooth and paint.

Alternative Way to Wire W24 Speaker

Wiring WR24 Speaker - Dual Voice Coil Speaker

In order to wire the WR24 as a dual voice coil speaker you MUST purchase an additional WRPRO (two total).

Remove the black and red jumper wire.

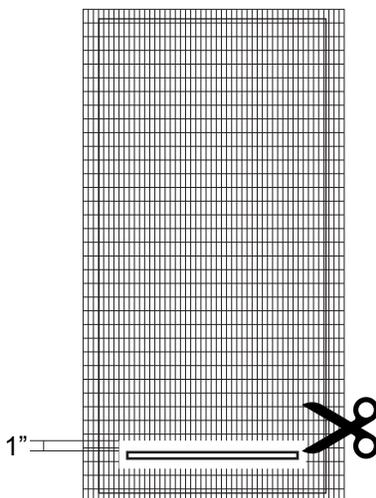


IMPORTANT!

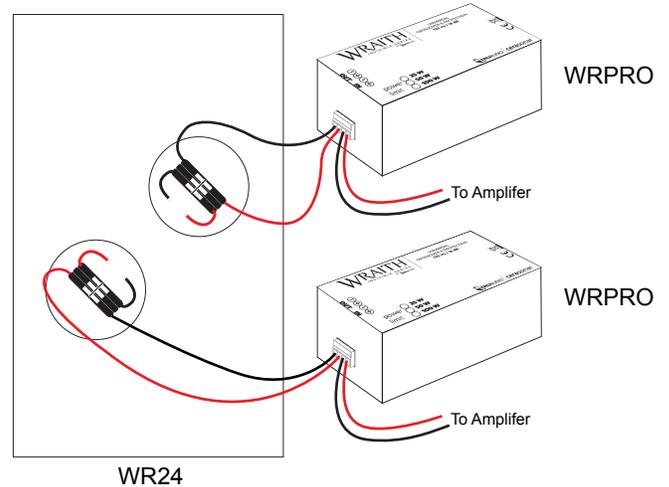
You must now play music through the speaker before continuing to the next step.

Finishing

After testing the the sub and assuring everything is correct you will need to lay the included mesh over the subwoofer and trim out about 1" around the port at the bottom of the subwoofer.



Attach the black and red wires from the WRPRO to driver 1 and then attach the black and red wires from the other WRPRO to the second driver 2.



Specifications

WRPRO

Speaker level protection unit and crossover used to enhance the sound and protect the WR24 speakers from mechanical overload.

Dimensions: 1.9" (48mm) x 3.1" (79mm) x 5.9" (150mm)

WR24

Power: 50W*
 Impedance: 4Ω (2 @ 8Ω)
 Freq. Range: 70 Hz - 18kHz
 Dispersion: 180° x 180°
 Max SPL: 105 db 1 w/1 m
 Dimensions: 24.38" (619mm) x
 15.75" (400mm) x
 2.2" (56mm)
 Weight: 2.1 lbs

WR40

Power: 150W Max
 Impedance: 4Ω
 Freq. Range: 35 - 150 Hz
 Dispersion: 180° x 180°
 Max SPL: 108 db 1 w/1 m
 Dimensions: 39.38" (1000mm) x
 15.75" (400mm) x
 4.0" (101mm)
 Weight: 25.5 lbs

*Power rating as per application of a high-pass filter. No electronic low-frequency boost must be used. Resulting damages from mechanical overload are excluded from the warranty.

SoundVision Technologies dba TRUAUDIO PRODUCT WARRANTY

LIMITED FIVE (5) YEAR WARRANTY TruAudio warrants to the original purchaser, when purchased from an authorized TruAudio Dealer/Distributor and installed by a TruAudio installer, this product will be free from defective workmanship and materials in the initial installation for the period stated above. Subject to the additional limitations stated below, does not include damage to associated equipment which may result for any reason from use with this product, and does not include product failure caused by negligence, improper installation, misuse (e.g. overdriving the amplifier or speaker, excessive heat or cold or humidity, outdoor installation). TruAudio will, during the warranty period, either repair the defect or replace the product with a new or remanufactured product or a reasonable equivalent, and arrange at its acceptable expense, to reinstall this product and prepare the surface of the speaker and mount for finishing, and nothing more. Does not include re-finishing of the wall or speaker.

It is the policy of TRUAUDIO to continuously incorporate improvements into our products. All specifications are subject to change without notice. If you have any questions regarding this or any other TRUAUDIO products, please visit www.TruAudio.com

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