



**CSIW SUB10  
OWNER'S GUIDE**

## IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
16. **WARNING:** To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture.
17. The mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.



The lightning flash with arrowhead symbol within an equilateral triangle, is intended to alert you to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

### Notice of FCC Compliance

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

### Notes on environmental protection



At the end of its useful life, this product must not be disposed of with regular household waste but must be returned to a collection point for the recycling of electrical and electronic equipment. The symbol on the product, user's manual and packaging, point this out.

The materials can be reused in accordance with their markings. Through re-use, recycling of raw materials, or other forms of recycling of old products, you are making an important contribution to the protection of our environment.

Your local administrative office can advise you of the responsible waste disposal point.

## Introduction

PSB subwoofers are designed to provide the flattest possible frequency response, full bass extension, low distortion and high output. Beyond these characteristics there are a few other parameters that we feel are very important in the design of a subwoofer.

The CSIW SUB10 is an in-wall subwoofer which is designed for new frame and drywall construction.

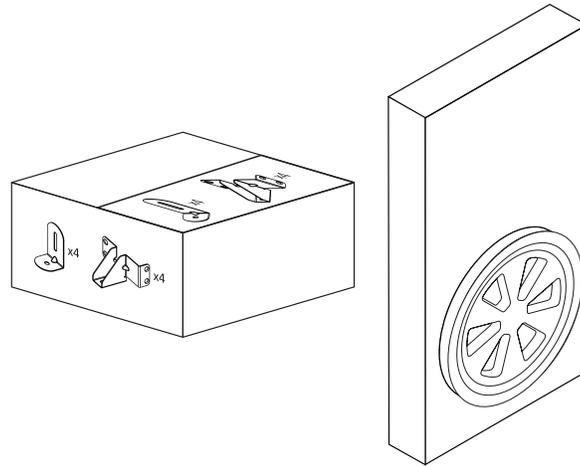
The installation is a two stage process:

1. Pre Drywall Stage
2. Post Drywall Stage

## Stage 1 – Pre Drywall

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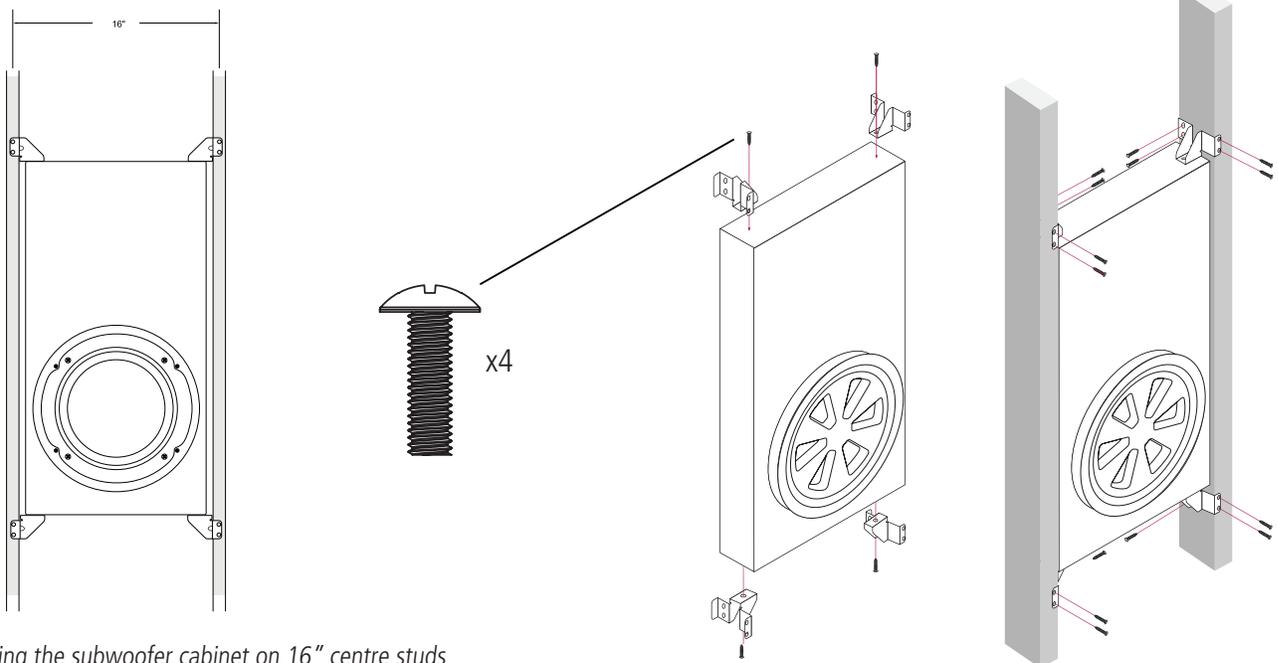
### Required Items:



### Step 1: Installing the subwoofer cabinet

#### For stud wall constructed on 16" centres

The subwoofer cabinet is designed to fit between two adjacent studs on standard 16" (40cm) spacing. Attach Bracket A to the top and the bottom of the subwoofer cabinet. Position the ends of the brackets outboard of the side of the cabinet to be even with the front panel of the cabinet. Using appropriate wood screws, fasten the cabinet to the stud wall.

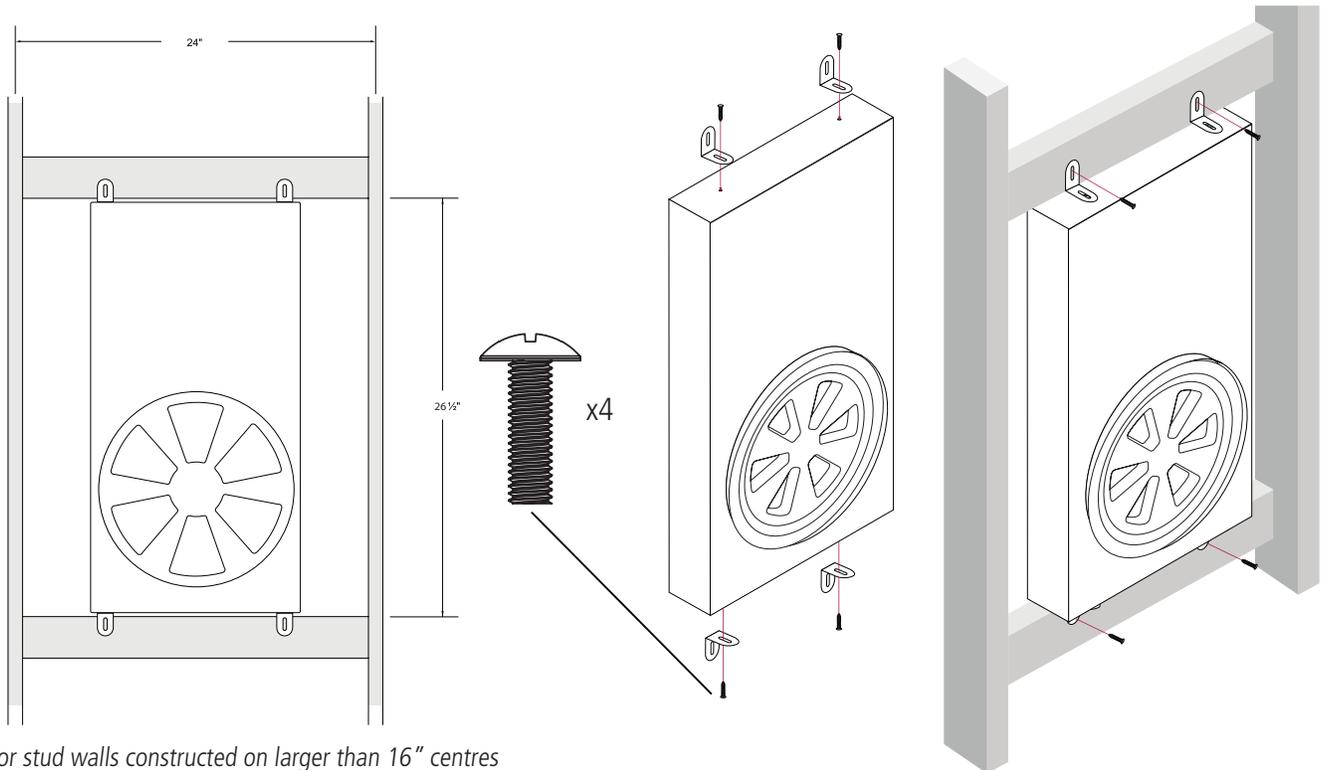


*Installing the subwoofer cabinet on 16" centre studs*

## For stud wall constructed on larger than 16" centres

For stud walls exceeding 16" (40 cm) spacing, cross braces must be used. The vertical distance between the two cross braces must be 27½". The subwoofer driver opening should be located at the bottom of the box. The cross braces must be even with the backside of the stud wall. This assumes that the wall is a standard 2" x 4" construction method and crossbraces are 2" x 4", set against the backside of the stud.

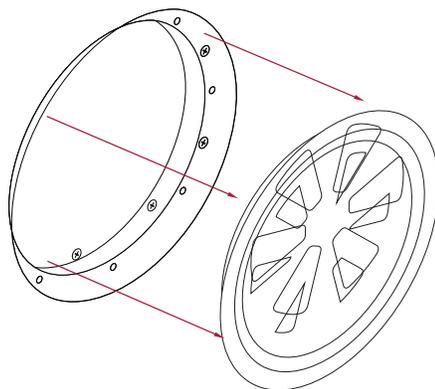
Attach Bracket B to the top and the bottom of the subwoofer cabinet. Position the ends of the brackets inboard of the side of the cabinet to line up with the front faces of the cross braces. Using appropriate wood screws, fasten the cabinet to the cross braces.



For stud walls constructed on larger than 16" centres

## Step 2: Carefully Remove Hole Cover

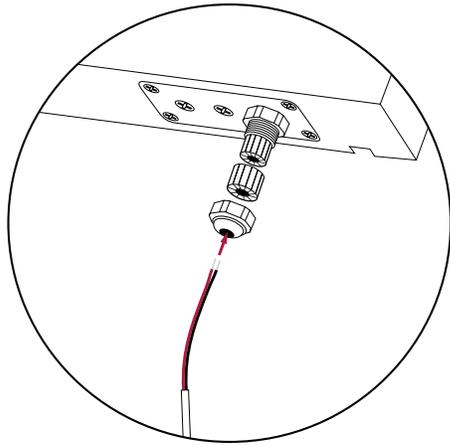
**Note: Do not discard the hole cover. It will need to be reinstalled prior to the drywall stage.**



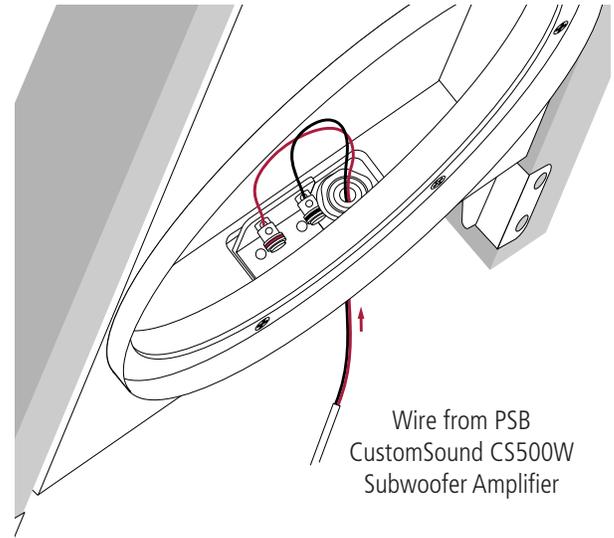
### Step 3: Connect Subwoofer cable

#### Routing the Subwoofer Cable

With the subwoofer cabinet installed in the wall, the cable from the CS 500W Subwoofer Amplifier can be routed through the wall and into the cabinet via the cable entry on the bottom of the cabinet. Secure the cable so that it cannot rattle against the studding or drywall panels and tighten the cable nut to secure the cable to the cabinet.

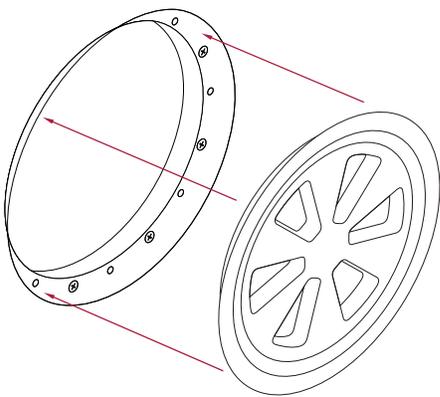


Securing the subwoofer cable



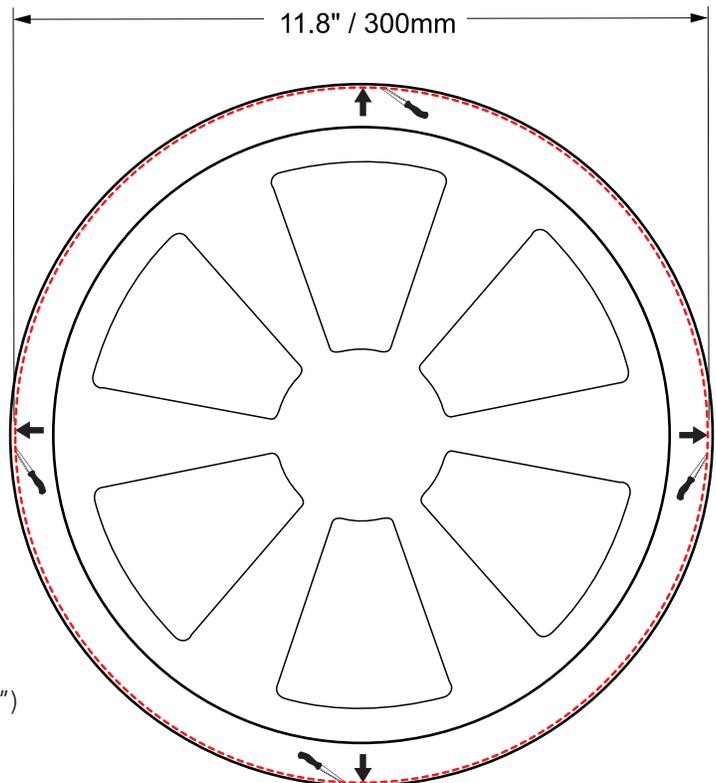
Connecting the subwoofer cable

### Step 4: Reinstall the Hole Cover



Note: The dotted line on the Grill cover is to be used as the guide for the drywall cutout.

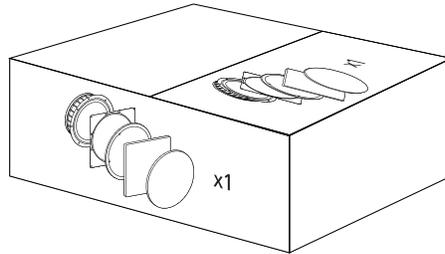
The diameter of the cutout area is 300mm (11.8")



## Stage 2 – After Drywall Completion

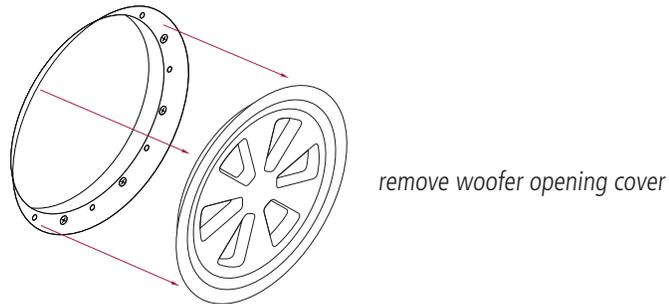
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### Required Items:

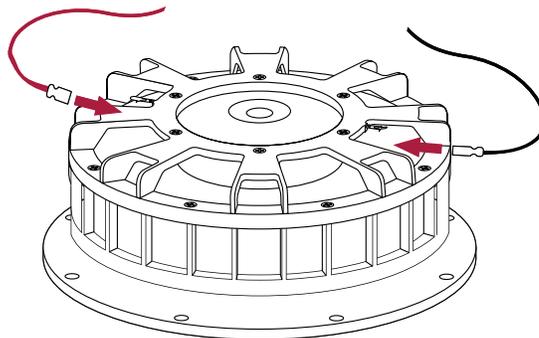


### Step 5: Install the Driver

The subwoofer driver is installed after the installation of the drywall and final decorating has been completed. Remove woofer opening cover.

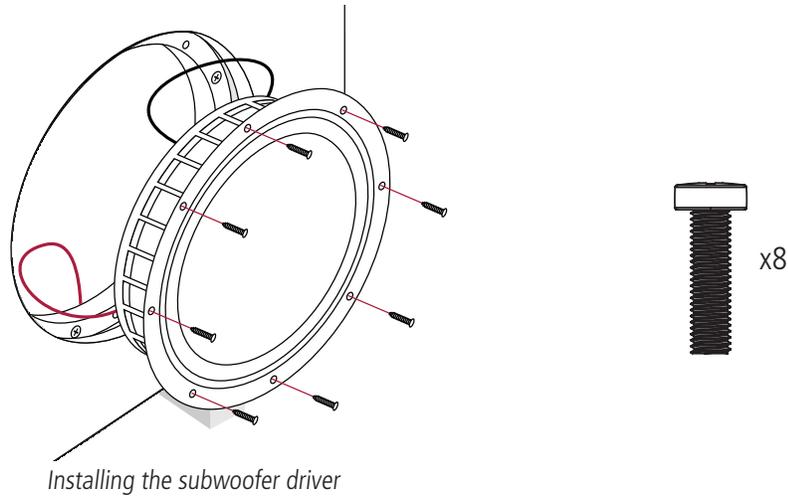


Connect the speaker wires to the driver. **Note: the positive and negative wires have specific connectors and will only connect to the subwoofer driver in one way. Do not force the incorrect wire on the connector onto the driver.**



*Connecting the speaker wires to the driver*

Place the driver into the cabinet opening and secure using the eight (8) supplied screws.

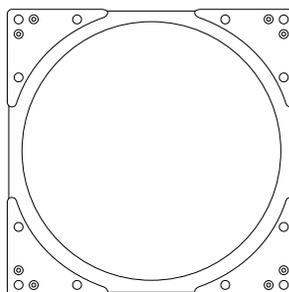
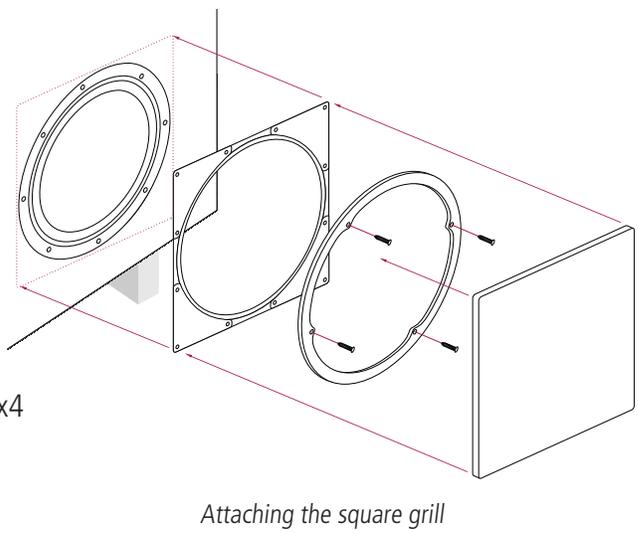
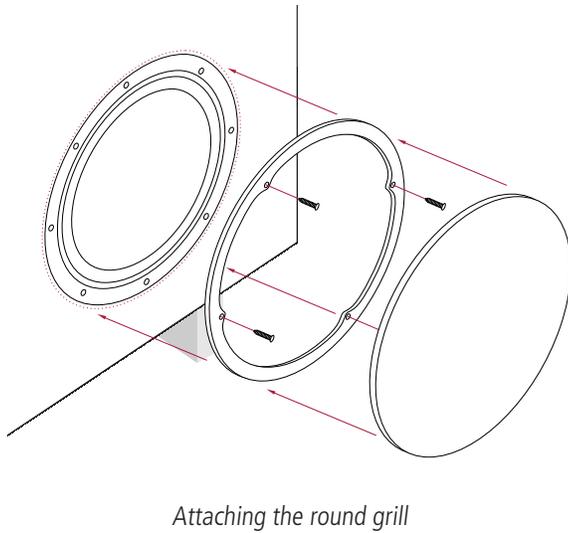


## Step 6: Install the Grill

Determine whether the round or square grills will be used.

For round grills, install the magnetic trim ring using the four (4) supplied screws. Place the magnetic round grill onto the trim ring.

For square grills, place the square bracket against the driver, then install the magnetic trim ring using the four (4) supplied screws. Place the magnetic square grill onto the trim ring.



The square grill has been designed with screw holes which allow the installer to fasten the grill directly to the drywall, ensuring a tight seal and preventing vibration. Included are four short drywall screws for this application.

Note: If additional screws are required, do not use screws which are longer than the thickness of the drywall.

## Step 7: Subwoofer Amplifier Settings



The PSB CS 500W Subwoofer Amplifier has been designed to match perfectly with the CSIW SUB10 subwoofer. The sonic profile of the CSIW SUB10 is stored within the amplifier.

Note: When setting up the amplifier, it is necessary to set the profile to CSIW SUB10. Do not play the subwoofer until the profile has been set. Refer to the CS 500W owner's manual for detailed instructions.

Note: The use of any other subwoofer amplifier without the proper calibration may result in unsatisfactory performance or cause damage to the subwoofer itself. In such case, the warranty would be considered null and void.