



INSTALLATION GUIDE

RCC320-R Retrofit Subwoofer Module

RCC320-PC Pre-Construction Subwoofer Module

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RCC320-R:

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If you are missing any of these parts or if you need assistance during the installation of your RCC320 Subwoofer System, please contact Artison's Customer Service Department during normal business hours, Pacific Time at (775) 783-4770.

Thank you for choosing Artison's RCC320 Subwoofer Modules. We are pleased that you have selected our high-performance audio products.

INTRODUCTION

The following information will guide you through the installation and setup of your Artison RCC320 Retrofit Subwoofer Module or RCC320 Pre-Construction Subwoofer Module. The RCC320 and RCC640 series of architectural in wall subwoofers are were designed with a Reactance Cancelling Configuration, which allows vibration free operation. This innovation allows installations of subwoofers in places never before possible, with little to no transmission of sound throughout a buildings structure. The RCC320 and RCC640 subwoofer modules have fully enclosed aluminum cabinets, insuring consistent high performance in any application and simple installation. The Pre-Construction Modules allow a minimal grille area to be exposed into the finished space, but require being installed inside the wall cavity. The Pre-Construction Modules can also be alternatively installed into cabinetry, furniture, utilized as an in ceiling solution or slipped under furniture. The Retrofit Modules are easily installed into existing drywall with dog clamps. The RCC620 Subwoofer Amplifier was designed to power the RCC320 and RCC640 Subwoofer Modules. The RCC620-SA has a powerful Class D amplifier with advanced DSP software specifically created for Artison subwoofers.

RCC320 RETROFIT SUBWOOFER MODULE (RCC320-R)

The RCC320-R was designed to be installed into a 2 x 4 stud wall with a minimum of 16" on center spacing. The subwoofer module is not impacted by cabinet orientation and can be used either vertically or horizontally. The classical rule for subwoofer placement is that the subwoofer should be placed on the same wall the front channels are located, positioned at one-third of the total distance of the wall. When using multiple subwoofers, consult with your dealer or custom installer for best placement options.

The minimum mounting depth for the RCC320-R is 97.5 mm (3.8"), i.e. a 2x4 stud is 3.5" deep, plus 1 layer of 0.5" or 0.625" thick drywall. The maximum drywall thickness the RCC320-R can dog clamps can accept is 41 mm (1.6").

INSTALLATION OF RETROFIT MODULE

1. Use the provided Cut-out Template to mark the desired wall location. The cut out dimensions are 344 mm (13.6") H x 363 mm (14.3") W.
2. Use a stud finder to check the location and make a small exploratory hole first to be sure that no piping, wall studs, or electrical wires will interfere with the placement of the module.
3. Using 2 conductor speaker wire, run between the subwoofer amplifier and the subwoofer module. Use 16 gauge stranded speaker wire for run lengths under 15 m (50') and 14 gauge for runs over 15 m (50').
4. Once the hole is cut and test fitted with the module. Connect the bare speaker wire ends to the spring-loaded binding posts. Be sure to orient the terminal cup towards the direction the speaker wire comes, as there will not be room to manage the speaker wire behind the module.
5. Install the RCC320-R into the cut-out made in the wall and carefully tighten the four dog leg clamps on the RCC320-R using a #2 Philips Head. If using an electric screwdriver, be sure to use a low to medium torque setting.
6. The grille for the RCC320-R is held in place by magnets. Simply position the grille over the front of the module.

PAINTING THE GRILLE & TRIM RING

1. The Grille and Trim Ring can be painted separately from the rest of the subwoofer module.
2. Be sure to carefully remove the thin fabric scrim cloth from the interior of the grille. The scrim is not to be painted. Replace scrim cloth after painting is completely dry. If the scrim does not adhere to the grille, use a spray adhesive to reattach.
3. **DO NOT get paint on the speaker baffle or speakers. Paint can damage these components which would VOID your Warranty.**

RCC320 PRE-CONSTRUCTION SUBWOOFER MODULE (RCC320-PC)

The RCC320-PC was designed to be installed into a 2 x 4 stud wall with a minimum of 16" on center spacing before the drywall is applied to the stud wall. The subwoofer is not impacted by cabinet orientation and can be used either vertically or horizontally. The classical rule for subwoofer placement is that the subwoofer should be placed near the same wall the front channels are located, at one-third of the total distance of the wall. When using multiple subwoofers, consult with your dealer or custom installer for best placement options.

INSTALLATION OF PRE-CONSTRUCTION MODULE INTO OPEN WALL CAVITY

1. The module comes with the Pre-Construction Paint/Debris Shield in place. **DO NOT REMOVE** this shield until after the room painting is completed and the environment is free of dust.
2. The subwoofer can be installed with the slot opening horizontal or vertical.
 - a. For horizontal installations, use the 8 Mounting Screws to attach the 4 L-Shaped Mounting Brackets to the tapped holes in the aluminum sides of the cabinet. Adjust the brackets to span the width of the inner distance. Install into the stud bay using galvanized screw hardware. **SEE FIGURE 1.**
 - i. If you would like the horizontal slotted opening to sit as close to the finished floor as possible. Attach to the inserts in the plastic end cap to attach both screws to the cabinet to one slot in the bracket. The studs should be notched out the 3 mm thickness of the bracket to sit flush with the stud face. **SEE FIGURE 2.**
 - b. For vertical installations, use the 8 Mounting Screws to attach the 4 L-Shaped Mounting Brackets to the screw thread inserts in the plastic ends of the cabinet. **SEE FIGURE 3.** Install into the stud bay using galvanized screw hardware.
 - c. **NOTE:** When installing the module be sure to align the front of the cabinet with the front edge of the stud.
3. Using a 2 conductor speaker wire, run between the subwoofer amplifier and the subwoofer module. Use 16 gauge stranded speaker wire for run lengths under 15 m (50') and 14 gauge for runs over 15 m (50').
4. After the wallboard has been installed, un-cover the slot opening by removing the four screws that retain the Paint Shield.
5. The RCC320-PC can be used with wallboard thicknesses of 12.5 mm – 25.4mm (0.5" – 1.0") thick. The module comes configured for 12.5 mm (0.5") wall thickness. The magnet strip should be 3 mm (1/8") above the surface of the finished wall.
6. If the room has a thicker wallboard, or multiple layers, utilize the included plastic Grille Spacers. Remove the magnet strips by removing the 8 mounting screws and add the required spacing underneath. When using 3 or 4 spacers use the included longer length screws to accommodate the greater thickness. **NOTE:** If your combined wallboard thickness is larger than 1.0", then please contact Artison for additional Grille Spacers.

PAINTING THE GRILLE & TRIM RING

1. The Grille and Trim Ring can be painted separately from the rest of the subwoofer module.
2. Carefully remove the thin fabric scrim cloth from the interior of the grille. The scrim is not to be painted. Replace scrim cloth after painting is completely dry. If the scrim does not adhere to the grille again use a spray adhesive to reattach.
3. **DO NOT get paint on the speaker baffle or speaker cones. Paint can damage these components which would VOID your Warranty.**

INSTALLATION OF PRE-CONSTRUCTION MODULE INTO CABINETS

1. The module comes with the Pre-Construction Paint/Debris Shield in place. **DO NOT REMOVE** this shield until after the room painting is completed.
2. The subwoofer module can also be concealed inside of any piece of furniture or built-in cabinetry. The unit can be installed face-down inside a cabinet and direct the subwoofer's energy down through the bottom of the cabinet; directly into the room or out through venting in the cabinet's baseboard.
3. Dimensions for the thru hole cut-out are 342 x 78 mm (13.5" x 3.1"). Please note the thickness of the cabinet wall must at least be 0.5" if the grille is going to be visible.
4. When venting the output of the subwoofer through a built-in cabinet's baseboard, please reference the points below:
 - a. Please allow for a minimum of 50 in² of total open area in the baseboard. If less open area is provided the subwoofer will be restricted and may cause noise through the vent.
 - b. Rounded corners will also minimize air noise.
 - c. The subwoofer is not affected by variations in shape or number of vents, as long as the minimum total open area is maintained.

INSTALLATION OF PRE-CONSTRUCTION MODULE IN CEILING

1. The subwoofer module can also be installed in joist bays. Minimum distance between studs must accommodate the module dimensions of 342 mm (13.4") x 354 mm (13.9").

INSTALLATION OF PRE-CONSTRUCTION MODULE UNDERNEATH / BEHIND FURNITURE

1. Due to the modules thin form factor, the unit can also be hidden underneath or behind furniture. Minimum clearance height is 127 mm (5.0").

LIMITED WARRANTY

This warranty remains in effect for five years from the date of purchase for speaker products and one year for electronic products.

THIS WARRANTY PROTECTS THE ORIGINAL OWNER PROVIDING THAT THE PRODUCT HAS BEEN PURCHASED FROM AN AUTHORIZED ARTISON DEALER IN THE UNITED STATES. THE ORIGINAL BILL OF SALE MUST BE PRESENTED WHENEVER WARRANTY SERVICE IS REQUIRED. FOR WARRANTY SERVICE OUTSIDE THE UNITED STATES, CONTACT THE AUTHORIZED ARTISON DISTRIBUTOR IN THE COUNTRY WHERE THE PRODUCT WAS PURCHASED.

Except as specified below, this warranty covers all defects in material and workmanship. The following are not covered: Damage caused by accident, misuse, abuse, product modification or neglect, damage occurring during shipment, damage from failure to follow instructions contained in the Owners Manual, damage resulting from the performance of repairs by someone not authorized by Artison, or any claims based on misrepresentations by the seller. This warranty does not cover incidental or consequential damages. It does not cover the cost of removing or reinstalling the unit. **THIS WARRANTY IS VOID IF THE SERIAL NUMBER HAS BEEN REMOVED OR DEFACED, OR IS PURCHASED FROM AN UNAUTHORIZED DEALER ON THE INTERNET (WORLD WIDE WEB), MAIL ORDER, 800, 888, 877 TELEPHONE NUMBERS OR THROUGH A CATALOG.**

This warranty gives you specific legal rights. You may also have other rights, which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above may not apply to you.

Please make note of the following information and retain for your record.

Product Name_____ Model Number_____

Store Name_____ Purchase Price_____

HOW TO OBTAIN SERVICE

Please call us at (775) 783-4770, or write to: ARTISON (Attention: Customer Service Department), 2231 Meridian Blvd., Suite #1, Minden, NV 89423.

We will promptly advise you of what action to take. We may direct you to an authorized Artison Service Center or ask you to send your speaker to the factory for repair. You will need to present the original bill of sale to establish the date of purchase. **PLEASE DO NOT SHIP YOUR ARTISON PRODUCT TO THE FACTORY FOR REPAIR WITHOUT PRIOR AUTHORIZATION. PLEASE DO NOT RETURN PRODUCT TO THE ABOVE ADDRESS, IT IS NOT A SERVICE LOCATION.** You are responsible for transporting your product for repair and for payment of any initial shipping charges. However, we will pay the return shipping charges if the repairs are covered under warranty.