

## SPECIFICATIONS

### REDSUB10

- Front Firing Port
- Driver Magnet: 78oz. VC: ASV 1.52"
- Power Rating: 150 Watts
- Frequency Adjustment: 40Hz – 200Hz
- Phase Adjustment: 0-180°
- Impedance: 4Ω
- Sensitivity: 88dB
- Adjustable Volume Control
- Input: High & Low-Level Connection
- Manual or Auto Turn-On
- Detachable Power Cable
- 110-120V – 60Hz / 220-240V – 50Hz
- Cabinet Size: 15" x 13" x 14.8" (HxWxD)
- Carton Size: 18.7" x 19.1" x 17.5" (HxWxD)
- 0.71" MDF Vinyl Wrapped – Rounded Front Sides
- CBM: 0.103

### REDSUB12

- Front Firing Port
- Driver Magnet: 80 oz. VC: ASV 2.0"
- Power Rating: 150 Watts
- Frequency Adjustment: 40Hz – 200Hz
- Phase Adjustment: 0-180°
- Impedance: 4Ω
- Sensitivity: 89dB
- Adjustable Volume Control
- Input: High & Low-Level Connection
- Manual or Auto Turn-On
- Detachable Power Cable
- 110-120V – 60Hz/ 220-240V – 50Hz
- Cabinet Size: 17.1" x 15" x 17.2" (HxWxD)
- Carton Size: 20.1" x 21.4" x 19.1" (HxWxD)
- 0.71" MDF Vinyl Wrapped – Rounded Front Sides
- CBM: 0.133

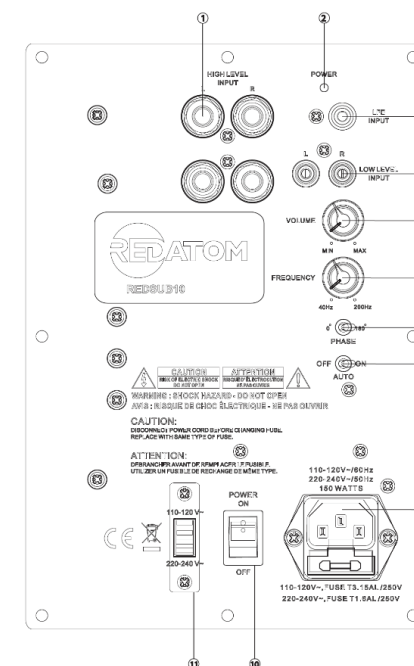
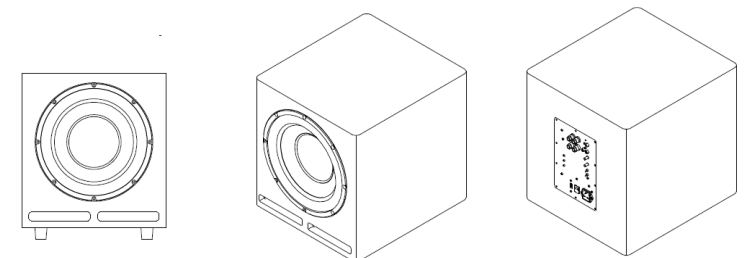
## WARRANTY

- This warranty applies to US Residents who purchase from an authorized RED ATOM Dealer. RED ATOM subwoofers are covered against defects in materials and workmanship for 1 year from date of purchase.
- The above 1-year warranty will be extended for the life of any RED ATOM speaker installed by a qualified professional custom integrator following manufacturer specifications.
- Within the warranty period, RED ATOM will repair or replace the defective component or product, at its sole discretion.
- **For warranty service:**
  - For RED ATOM speakers that were professionally installed, contact your installer directly.
  - For all other service requests, contact RED ATOM at [info@redatomproducts.com](mailto:info@redatomproducts.com).
- For all warranty service requests, you must supply a copy of your original receipt and installation service order if applicable. If your product must be shipped to RED ATOM for inspection, you will be responsible for the shipping charges. For warranty replacements, RED ATOM will ship product back to you for free.
- RED ATOM disclaims any liability for modifications, improper installations, installations over the specified weight range, or failure to follow care instructions provided by RED ATOM. To the maximum extent permitted by law, RED ATOM disclaims any other warranties, expressed or implied, including warranties of fitness for a particular purpose and warranties of merchantability. RED ATOM will not be liable for any damages arising out of the use of, or inability to use, RED ATOM. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Specifications are subject to change without prior notice.
- Failure to follow product care instructions from RED ATOM will result in void of warranty.



## Powered Subwoofer Owner's Manual

### REDSUB10 | REDSUB12



- 1) High-Level Input
- 2) Power On LED Indicator
- 3) LFE Input
- 4) Low-Level Input
- 5) Volume Control
- 6) Frequency (Crossover)
- 7) Phase Switch
- 8) Power Select
- 9) AC Power Cable
- 10) Main Power Switch
- 11) AC Voltage Select

V1 / 9.28.2021

**1) High-Level Input:** This connection is used when the source (receiver) doesn't have a dedicated Subwoofer Output or Stereo Line-Out. A 2.1 system with a subwoofer uses this connection to filter the low frequencies from the same audio that is going to your stereo speakers.

**2) Power On LED Indicator:** Indicates if the subwoofer power is on or off.

**3) LFE (Low Frequency Effects) Input – Single RCA Connection:** One cable connection allows left & right channel bass to be evenly dispersed to the subwoofer. This single connection is preferred if your audio source has this output connection.

**4) Low Level Input – RCA Connection:** Subwoofer input connection from an audio source (Receiver/Pre-Amp Processor) that may not have a LFE Output. This will allow both left & right channel information to be transferred to the subwoofer.

**5) Volume Control:** Use this control to adjust the subwoofer's volume. Turn the knob clockwise to increase the volume; turn the knob counterclockwise to decrease the volume.

**6) Frequency (Crossover):** This crossover control determines the highest frequency at which the subwoofer reproduces sound. The higher you set the Crossover control, the higher frequency the subwoofer will operate and the more its bass will "overlap" that of the speakers. This adjustment helps achieve a smooth transition of bass frequencies between the subwoofer and the speakers for a variety of different rooms and subwoofer locations.

**7) Phase Switch:** This switch determines whether the subwoofer transducer's piston-like action moves in and out in phase with the main speakers. If the subwoofer were to play out of phase with the main speakers, the sound waves from the main speakers could partially cancel out the sound waves from the subwoofer, reducing bass performance and sonic impact. This phenomenon depends in part on the placement of all the speakers relative to the listening position and to each other in the room.

**8) Power Select:** When switched to the "Auto" position, the subwoofer will then be in Standby mode. It will automatically turn on when an audio signal is detected and will return to the Standby mode when no audio signal is detected after approximately 10 minutes. Setting this switch to "On" keeps the subwoofer powered until the Power Switch is turned "Off". If the subwoofer is not being used for an extended period of time, it's best to power the subwoofer down.

**9) AC Power Cable:** Main connection to either 110-120V or 220-240v AC outlet. Use only the cable that comes with this Powered Subwoofer. DO NOT plug the power cable into the accessory outlets found on many audio components. It should be plugged directly into an electrical outlet.

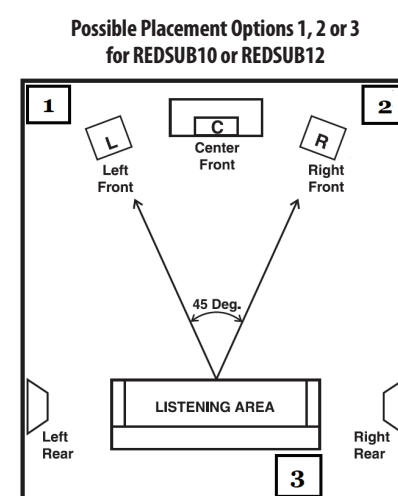
**10) Main Power Switch:** When in the "On" position the main power of the amplifier is always on. "Off" position, the main power is off.

**11) AC Voltage Select:** The Power Amplifier is multi-voltage (110-120V 60Hz & 220-240V 50Hz) that will allow it to be used in most countries. The protected selector switch (noted in red) will determine the power source. USA is 110-120 60Hz.

## PLACING THE SUBWOOFER

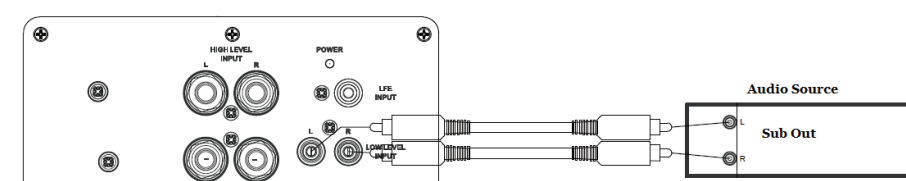
The performance of a subwoofer is directly related to its placement in the listening room and its physical position relative to the other speakers in the system.

For example, placing the subwoofer next to a wall generally will increase the amount of bass in the room; placing it in a corner (noted as 1 & 2) generally will maximize the amount of bass in the room. However, corner placement can also increase the destructive effect of standing waves on bass performance. This effect can vary depending on the listening position. Some listening positions may yield very good results while others may have far too much (or too little) bass at certain frequency. In some rooms, the best performance could even result from placing the subwoofer behind the listening position (noted as 3).



We strongly recommend that you experiment with placement before choosing a final location for your subwoofer. One way you can determine the best location for the subwoofer is by temporarily placing it in the listening position and playing music with strong bass content. Move around to various locations in the room while the system is playing (putting your ears where the subwoofer would be placed), and listen until you find the location where the bass performance is best. Place the subwoofer in that location.

## CONNECTING THE SUBWOOFER TO A RECEIVER OR PREAMP/PROCESSOR WITH SUBWOOFER OR PREAMP OUTPUTS

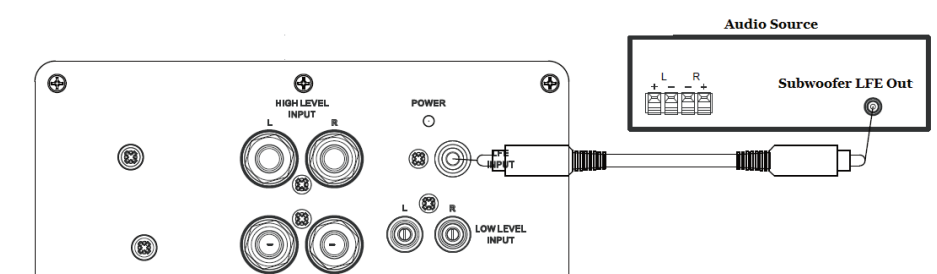


## CONNECTING THE SUBWOOFER TO A RECEIVER OR PREAMP/PROCESSOR WITH A LOW-PASS FILTERED DEDICATED SUBWOOFER OUTPUT (LFE)

• Be sure to turn the Crossover on the subwoofer (noted as "6") fully clockwise when using this type of connection. This type of setting bypasses the subwoofer's internal crossover and uses your receiver or processor's crossover.

• Check your receiver or processor menu settings and set the subwoofer selection to "On" or "Yes".

• Please be sure to review the Owner's Manual for your receiver or audio amplifier for more information on speaker setup & configuration.



## CONNECTING THE SUBWOOFER TO A RECEIVER OR PREAMP/PROCESSOR WITHOUT SUBWOOFER OR PREAMP OUTPUTS

