

PROFESSIONAL SOUND SYSTEMS >>>

# SVP™ -X Series

## OPERATING MANUAL AND USER GUIDE



SVP-X12

SVP-X12M

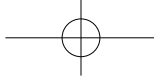
SVP-X15

SVP-X215

SVP-X18B

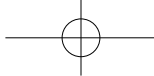


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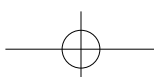
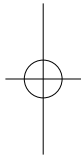
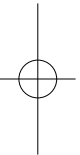
## **IMPORTANT WARNINGS & SAFETY INSTRUCTIONS**

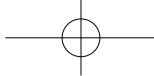
1. **READ ALL INSTRUCTIONS** – carefully and become familiar with the features and functions of these products before operating them.
2. **RETAIN THESE INSTRUCTIONS** – for future reference.
3. **COMPLY WITH ALL WARNINGS** – All warnings and instructions for this product should be adhered to.
4. **USE WITH AMPLIFIERS** – In order to avoid damage to drivers and other equipment, it is advisable to establish and follow a routine for powering up and powering down a sound system. With all system components connected, turn on source equipment (mixers, signal processors, record and playback units, etc.) **BEFORE** powering up amplifiers. Transient voltages from powering up source equipment can damage speakers if amplifiers are already turned on. Make sure that amplifier volumes are set to their minimum settings and power up any system amplifiers **LAST**. It is recommended that all system components be allowed to stabilize for several seconds before any source signals are introduced or level setting adjustments are made. Similarly, when shutting systems down, turn all amplifiers off first, before powering down any other system components.
5. **CABLES** – Do not use shielded or microphone cables for connection between amplifiers and speakers. Use only approved speaker cables with proper connectors.
6. **RIGGING – SUSPENDING – MOUNTING** – Rigging, suspending and mounting of these speaker systems can expose members of the public to serious health risks and even death. **UNDER NO CIRCUMSTANCES ATTEMPT TO RIG, SUSPEND OR OTHERWISE MOUNT THESE SPEAKERS UNLESS YOU ARE FULLY QUALIFIED AND CERTIFIED TO DO SO BY RELEVANT LOCAL, STATE AND NATIONAL AUTHORITIES. ALL RELEVANT SAFETY REGULATIONS MUST BE FOLLOWED. IF YOU ARE NOT PROPERLY QUALIFIED OR DO NOT KNOW OF PERTINENT REGULATIONS, CONSULT QUALIFIED PERSONNEL FOR ADVICE.**
7. **CAUTION** – These professional loudspeaker systems are capable of generating very high sound pressure levels. Use care with placement and operation to avoid exposure to excessive volume levels. Permanent hearing damage can result when operated to extreme levels.
8. **SERVICE** – There are no user serviceable parts inside this product. Users should not attempt to service this product. Warranty nullification could result if this is attempted.



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## **WHAT ABOUT THE SVP-X SERIES?**

Wharfedale SVP-X Series sound reinforcement speakers are designed for demanding sound reinforcement applications.

The SVP-X Series loudspeakers are high quality speaker systems designed to provide the best sound in a powerful, feature laden, easy to use package. They are designed to provide transparent and accurate sound reproduction or reinforcement. The 25.4mm (1") exit 1.2" phenolic diaphragm HF compression driver projects crystal clear high frequencies. A proprietary 90° x 60° Elliptical Wave Guide (EWG) delivers the high frequencies in a well defined, even coverage pattern. Dynamic passages, such as the crack of a snare drum or the report of a cannon, come through just like the real thing.

The SVP-X Series is very flexible in application. With its heavy duty components, handles and stand mount socket and durable carpet finish, the SVP-X Series can rise to any sound reinforcement challenge.

## **INTRODUCTION**

Wharfedale SVP-X Series loudspeakers are the result of many years of experience in the use, design and manufacturing of professional loudspeaker products. We take great pride in engineering and building every Wharfedale Pro loudspeaker and wish to thank you for entrusting us with your sound.

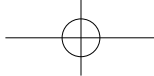
From the time Gilbert Briggs built his first loudspeaker in 1932, to the present, Wharfedale Loudspeakers have maintained the same standard of quality in components, workmanship and performance. Actually, Wharfedale is one of a few present day manufacturers that design, engineer and build all of their own transducers.

Please take a few minutes to read this manual completely in order to ensure that you get the most out of your SVP-X Series Loudspeaker system.

## **SVP™-X SERIES OVERVIEW:**

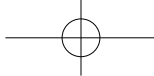
The SVP-X Series are powerful, accurate, high quality loudspeaker systems with low distortion that were designed to deliver high quality sound for the best value. From the SVP-X12 to the SVP-X215 plus SVP – X18B high powered sub, you have what it takes to assemble the system that your music deserves.

An important factor in loudspeakers is the smoothness of the sound coverage. Many speakers that may sound acceptable in the horizontal plane have problems in the vertical plane. The SVP-X Series speakers exhibit very smooth and well-behaved sound dispersion characteristics in both the horizontal and vertical planes making positioning and set-up less critical. Everyone in the room will hear the same quality sound. Because of the multi-faceted cabinet design, the SVP-X Series speakers can be positioned on the floor as a stage monitor or mounted on a speaker stand.



## FEATURES

- ◆ **2-way trapezoidal reflex systems**
- ◆ **Road tough subwoofer systems**
- ◆ **1.2 inch (30mm) Phenolic diaphragm compression driver**
- ◆ **Low distortion, high power woofers**
- ◆ **90° x 60° High Frequency Elliptical Wave Guide (EWG)**
- ◆ **High slope crossover with high voltage components**
- ◆ **Auto resetting thermal fuse driver protection**
- ◆ **High power 3" voice coil subwoofer**
- ◆ **Covered in rugged black carpet**
- ◆ **Tear drop shaped handles**
- ◆ **Integrated Stand adapter**
- ◆ **SpeakOn™ x 2 speaker inputs**



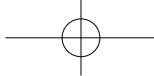
## **SETTING UP/ SPEAKER PLACEMENT**

The uniform dispersion of the SVP-X Series makes it easy to position the speakers where you need them, rather than trying to rearrange the room to accommodate the sound system. And the trapezoidal shaped cabinet with heavy duty handles makes transporting the speakers that much easier. An integral Aluminium stand socket allows you to place the speakers high above the audience for best sound coverage.

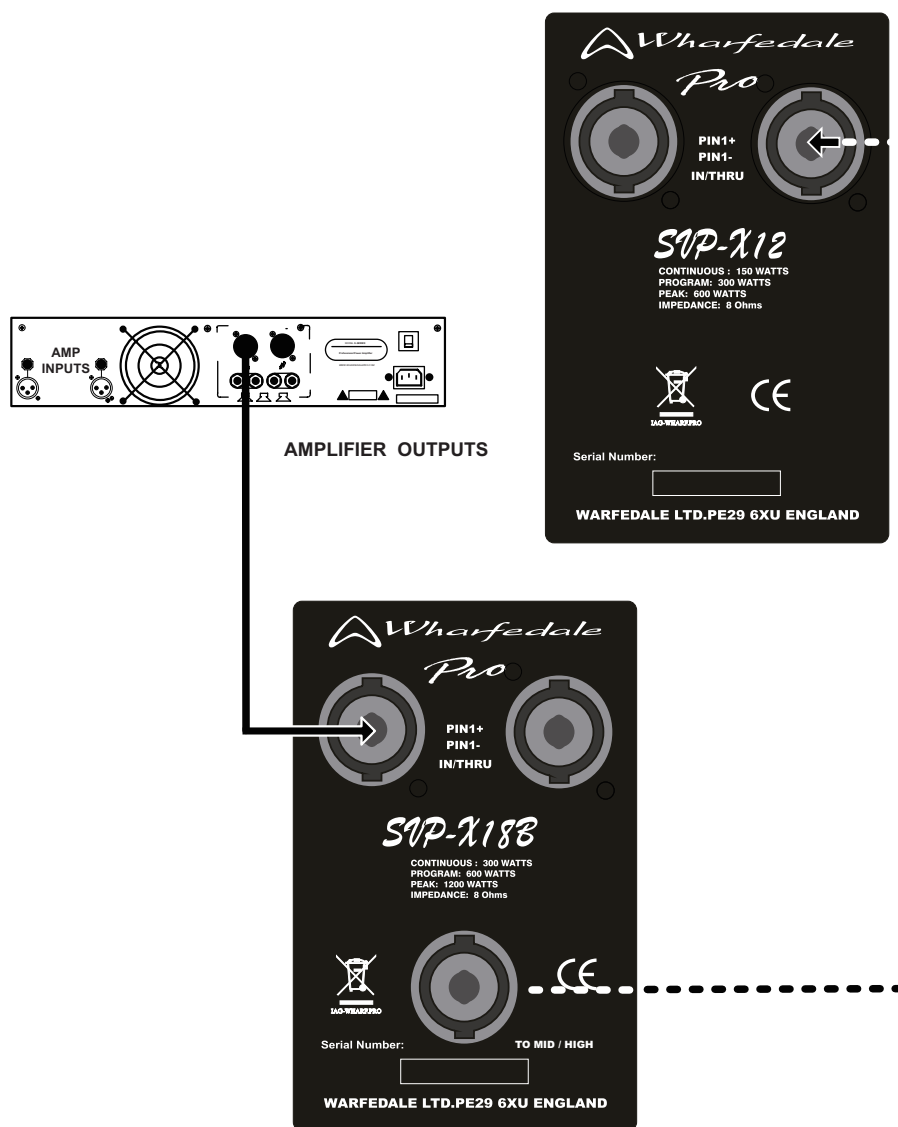
When you don't think you are getting all the bass you need, the SVP-X series has a great sub: the SVP- X18B. This is a powerful bass reflex subwoofer that gives you the lowest frequencies and the punch you need. The SVP-X18B is a straight forward, no nonsense 18-inch bass reflex subwoofer with exceptional low frequency response.

## **CONNECTIONS / WIRING**

Connecting the SVP-X Series to your system is easy. The rear panel includes two (2) parallel SpeakOn™ connectors. Run your speaker wires from your amplifier to the speaker; you can use either input connector. Use the correct gauge of stranded insulated speaker cable according to the power handling ability of your SVP-X Series cabinet. It is always advisable to use heavier gauge (lower number) cables on longer runs. Be sure to connect your speakers in proper polarity (what many refer to erroneously, as phase). This means that in normal operation, connect one end of the same wire to the + or Red terminal on the amplifier and the other end to the +1 on the NL4 connector. The other wire is connected to the -1 pin on the NL4 connector.

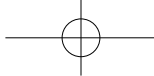


SVP-X18B Subwoofer with connections

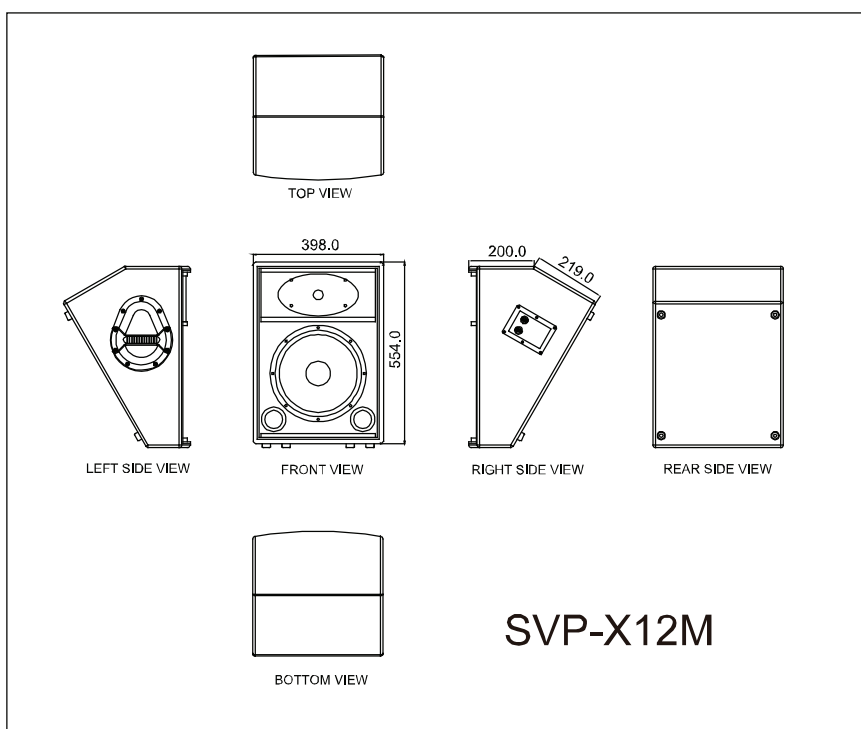
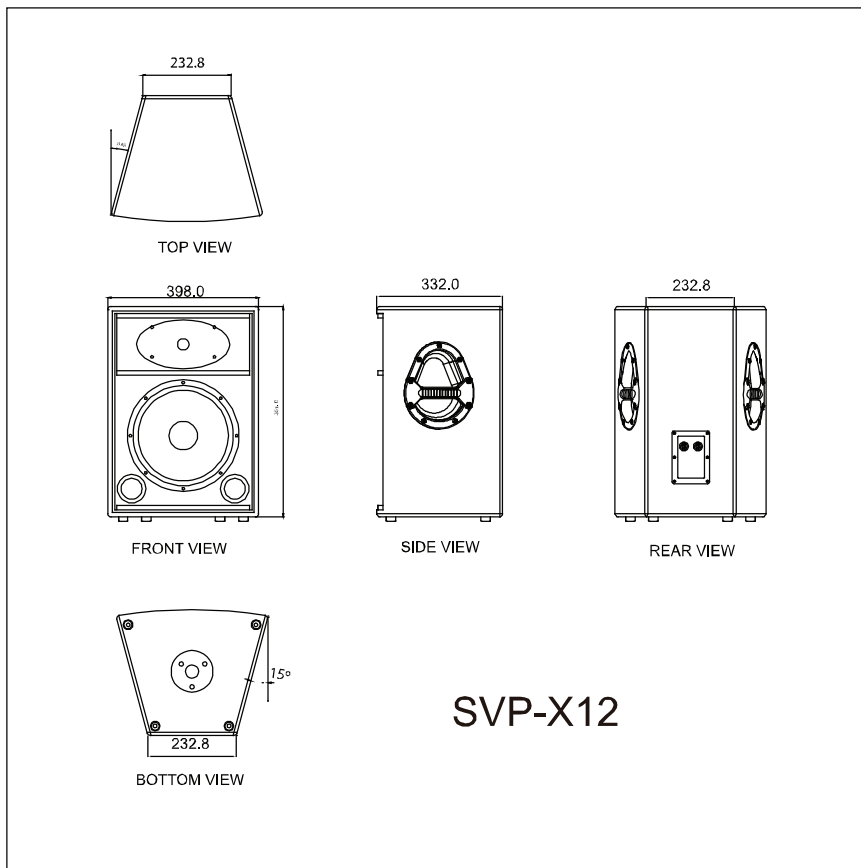


# SPECIFICATIONS

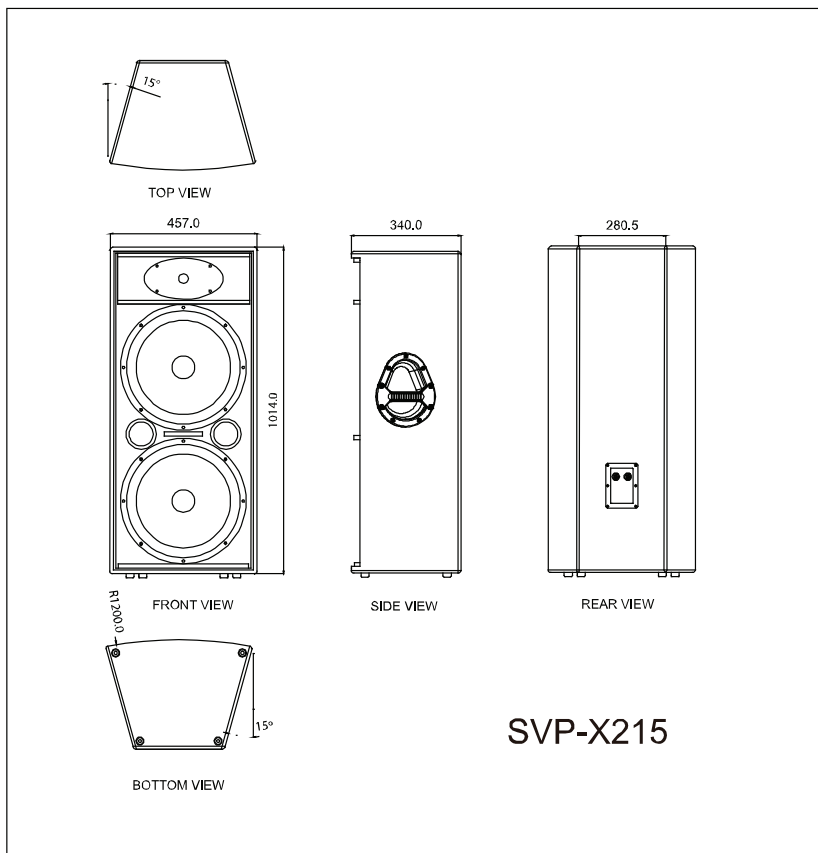
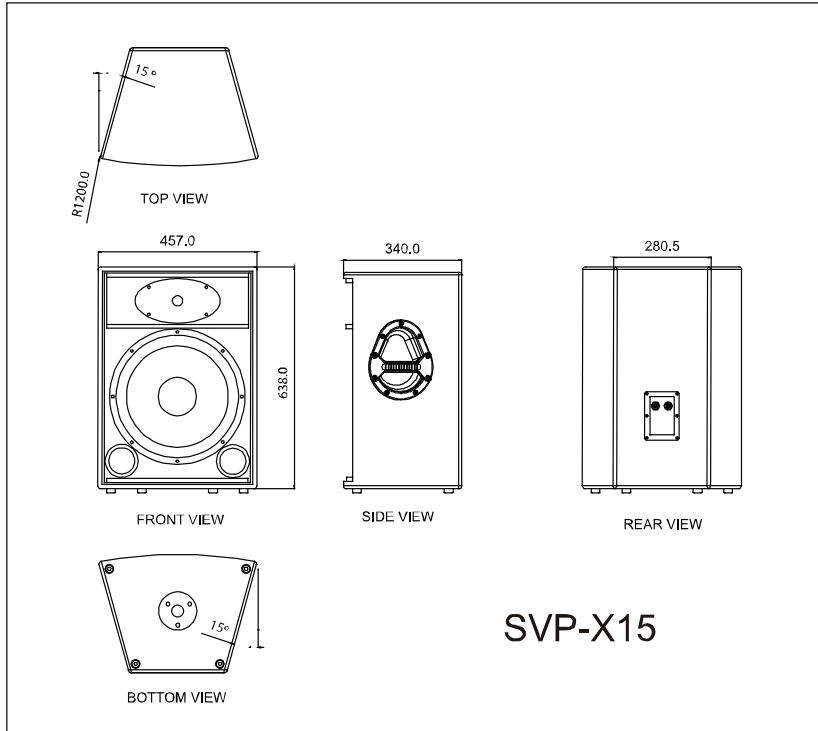
	SVP-X12	SVP-X12M	SVP-X15	SVP-X215	SVP-X18B
<b>Loudspeaker Type:</b>	12" 2-way	12" 2-way Monitor	15" 2-way	2 x 15" 2-way	18" subwoofer
<b>Frequency Response (+/- 3dB):</b>	50-20kHz	50-20kHz	45-20kHz	40-20kHz	40-250Hz
<b>Sensitivity (1W@1M):</b>	97dB	97dB	98dB	101dB	99dB
<b>Peak SPL:</b>	124.5dB	124.5dB	126dB	129.5dB	129.5dB
<b>HF Coverage (H x V):</b>	90° x 60°	90° x 60°	90° x 60°	90° x 60°	
<b>System Impedance:</b>	8 ohm	8 ohm	8 ohm	4 ohm	8 ohm
<b>POWER (WATTS)</b>					
<b>Continuous/ Music/ Peak</b>	150/300/600W	150/300/600W	200/400/800W	250/ 500/ 1000W	300/ 600/ 1200W
<b>LF DRIVER</b>					
<b>Size:</b>	304.8mm/12"	304.8mm/12"	381mm/ 15"	381mm/ 15"	457.2mm/18"
<b>Coil Size:</b>	50.8mm/ 2.0"	50.8mm/ 2.0"	50.8mm/ 2.0"	38.1mm/ 1.5"	76.2mm / 3.0"
<b>HF DRIVER/ HORN</b>					
<b>Driver Type:</b>	Compression Driver	Compression Driver	Compression Driver	Compression Driver	
<b>Coil Size:</b>	25mm/1"	25mm/1"	25mm/1"	25mm/1"	
<b>Exit Size:</b>	30mm/1.2"	30mm/1.2"	30mm/1.2"	30mm/1.2"	
<b>Diaphragm Material:</b>	Phenolic	Phenolic	Phenolic	Phenolic	
<b>HF Driver Protection:</b>	PTC	PTC	PTC	PTC	
<b>Horn Type:</b>	Elliptical	Elliptical	Elliptical	Elliptical	
<b>Throat Size:</b>	25.4mm/1"	25.4mm/1"	25.4mm/1"	25.4mm/1"	
<b>CROSSOVER</b>					
<b>Frequency</b>	2-way 3.2KHz	2-way 3.2KHz	2-way 3.2KHz	2-way 3.2KHz	
<b>ENCLOSURE</b>					
<b>Shape/ Material:</b>	Trapezoidal	40°/50° monitor	Trapezoidal	Trapezoidal	Rectangle
<b>Handles</b>	2	1	2	2	2
<b>INPUT PANEL</b>					
<b>Input Connectors:</b>	2 x SpeakOn™	2 x SpeakOn™	2 x SpeakOn™	2 x SpeakOn™	2 x SpeakOn™
<b>Hi pass output</b>					1 x SpeakOn™
<b>DIMENSIONS/WEIGHT</b>					
<b>Dimensions (H x W x D):</b>	566.5 x 398/232.2 x 332mm/ 21.9" x 15.7/9.2" x 13.1"	554 x 398 x 389.5mm/ 21.8" x 15.7" x 14.6"	650.5 x 457/280.5 x 340mm/ 25.6" x 18.0/11.0" x 13.4"	1063 x 492/300 x 365mm/ 41.9" x 19.4/11.8" x 14.4"	652.5 x 512 x 450mm/ 25.7" x 20.2" x 17.7"
<b>Weight:</b>	14.3kg / 31.5lbs	14.63kg / 32.1lbs	17.5kg / 38.5lbs	27kg / 59.4lbs	30.8kg / 67.8lbs

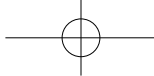


# DIMENSIONAL DRAWINGS

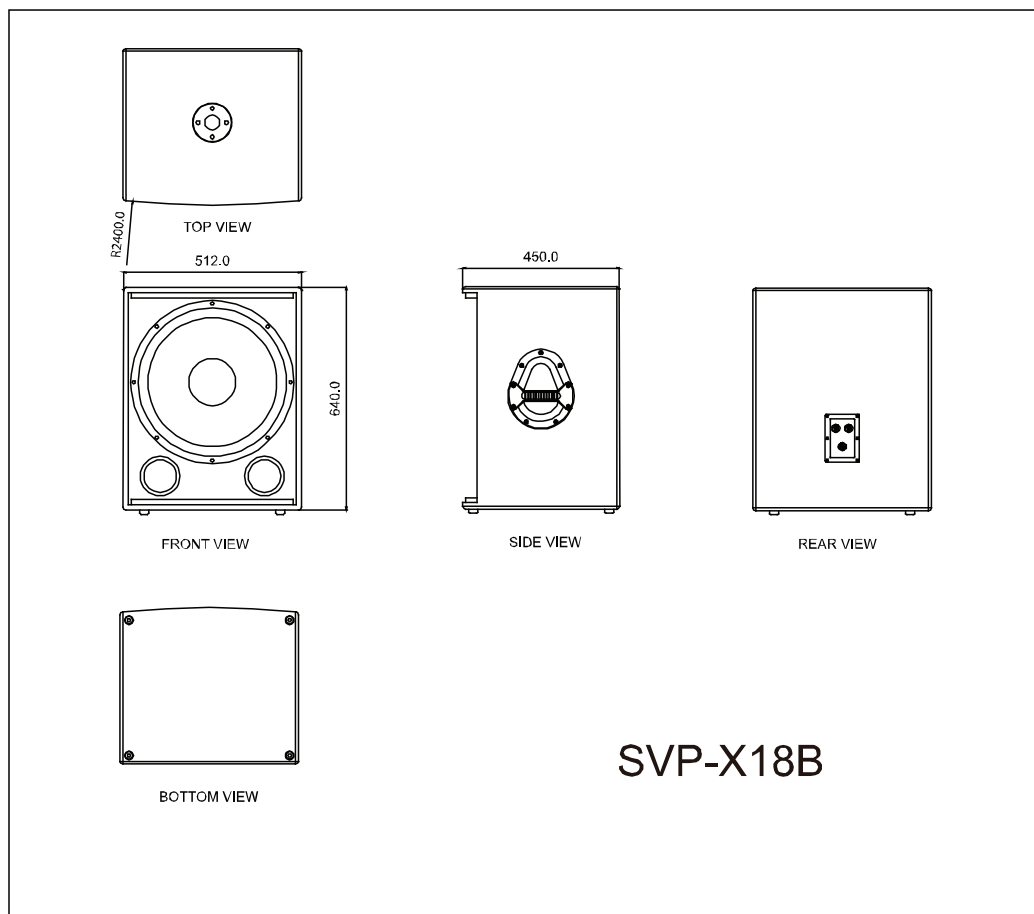


## DIMENSIONAL DRAWINGS





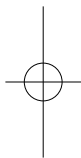
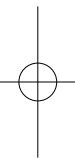
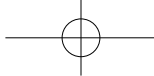
## DIMENSIONAL DRAWINGS



### WHARFEDALE PRO LIMITED WARRANTY

Wharfedale Pro products are warranted of manufacturing or material defects for a period of one year from the original date of purchase. In the event of malfunction, contact your authorized Wharfedale Pro dealer or distributor for information.

\*Be aware that warranty details may differ from country to country. Contact your dealers or distributor for information. These terms do not infringe your statutory rights.



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