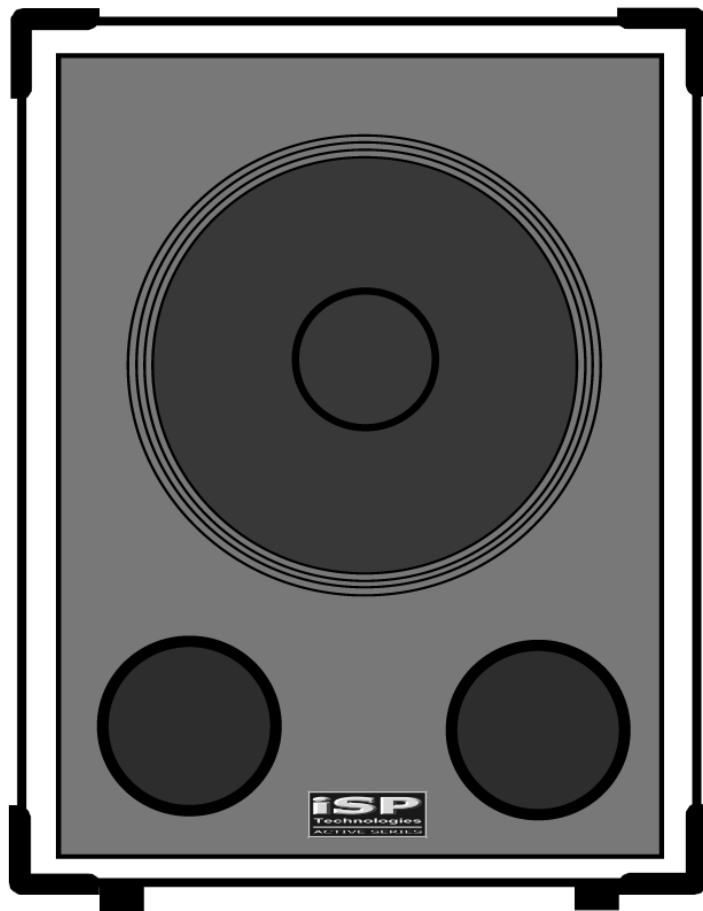


iSP
Technologies

ACTIVE
SERIES



SP118

**PASSIVE SUBWOOFER
OWNERS MANUAL**

IMPORTANT SAFETY INSTRUCTIONS!

Please read this very carefully before operating this unit

- Read **ALL** instructions carefully before using this unit.
- Do not operate this unit near water, in the rain or where there is moisture. If this warning is ignored a serious electrical shock or death may occur.
- Do not attempt to service this unit. No user serviceable parts inside. Refer servicing to qualified, ISP approved service personnel.
- Care should be taken to avoid spilling any foreign objects or liquid into this unit.
- Do not drive the SP118 into excessive heavy distortion for an extended period of time to avoid premature speaker failure.
- Failure to follow these instructions may void the warranty.



Caution: Exposure to extremely high noise levels can cause permanent hearing loss.

The SP118 speaker system is capable of producing in excess of 126db SPL at 1 meter. Continued exposure to noise levels in excess of 90db may cause permanent hearing loss. Below is a chart of the OSHA (Occupational Safety & Health Administration) regulations for Occupational Noise Exposure. Please note: OSHA requires hearing protection for any work environment when the sound levels exceed those shown in Table G-16 when measured on the A scale of a standard sound level meter at slow response.

TABLE G-16- PERMISSIBLE NOISE EXPOSURES	
Duration per day, hours	Sound level dBA slow response
8	90
6	92
4	95
3	97
2	100
1 1/2	102
1	105
1/2	110
1/4	115

INTRODUCTION

Thank you for purchasing ISP Technologies SP118 subwoofer. The SP118 is a high output subwoofer for high SPL sound reinforcement applications. The SP118 was designed with a 400-watt 18-inch woofer. The SP118 was designed to connect as a passive satellite to one of ISP Technologies Active Series Subwoofer Systems SA118 or SA115 that incorporates a *High Current D-CAT™* power amplifier system capable of producing upwards of 900 watts RMS.

The SP118 has a single Speakon connector for connection to an Active Series subwoofer. The SP118 subwoofer cabinet is made of high quality 13 ply Baltic birch plywood with a durable spray on black finish for long life.

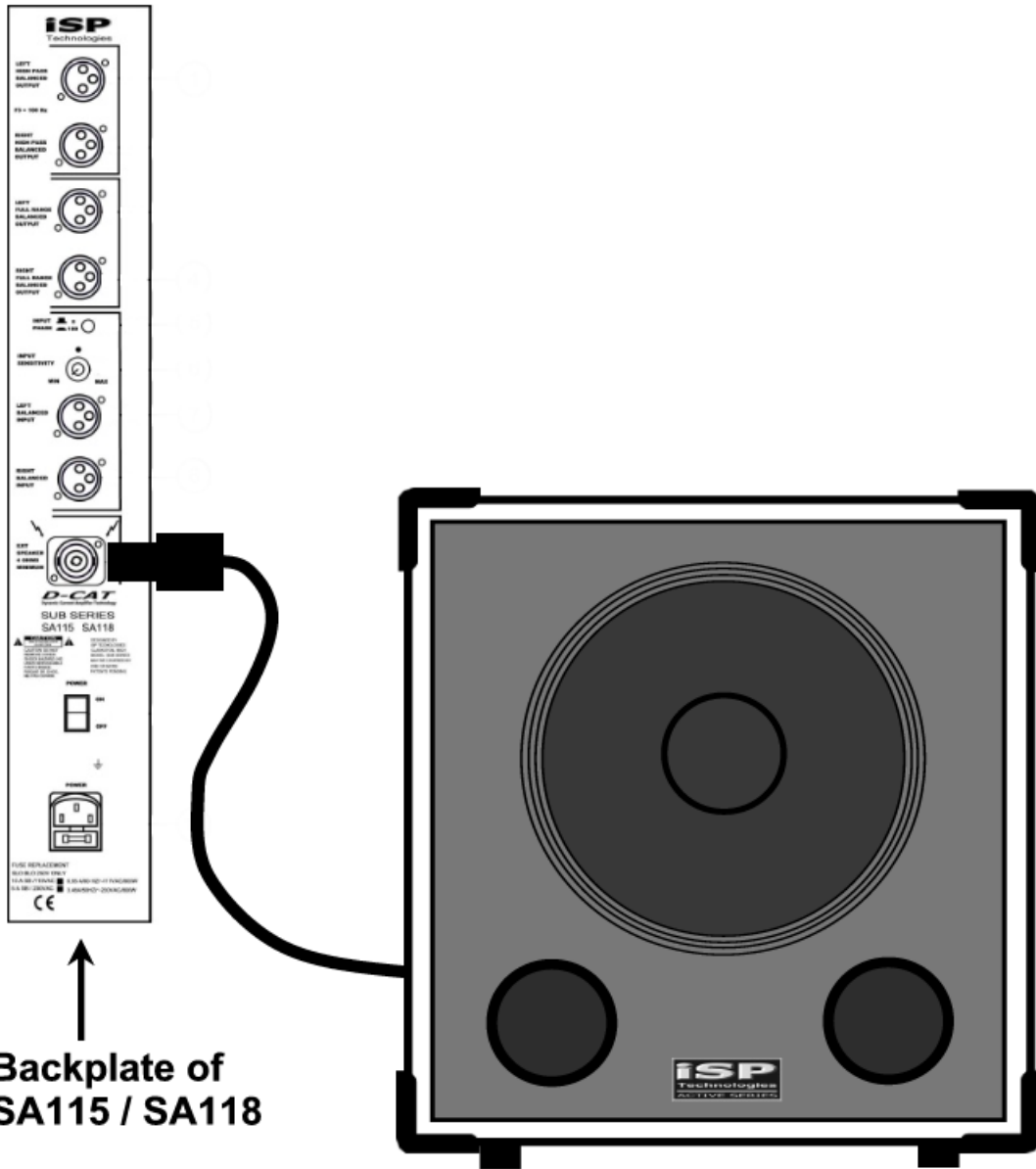
PLACEMENT

The SP118 is designed to sit directly on the floor or stage. Do not position or mount the cabinet where it can tip over and fall on someone. Do not attempt to mount the cabinet on speaker stands. Do not attempt to 'fly' (suspend by cables, chains, ropes, etc.) the cabinet. It was not designed for flying. Position it only on a flat, stable surface where it is not in danger of tipping over.

Also, note that the placement of the cabinet relative to floors and walls will affect the low frequency response. Placing it closer to the floor and walls will reinforce the low frequency response.

A pole mount socket is provided on the top of the SP118 for mounting an ISP Active Series Tripower 12 or Tripower 12XL three-way speaker. A standard 1.5-inch pole is required for mounting the Tripower speaker. To avoid accidents and insure stability this pole length should not exceed 2 feet in length.

Connecting To SA115 or SA118 Active Subwoofer



SPECIFICATIONS WITH SA115 or SA118 ACTIVE SUBWOOFER

System

Frequency Range	30 Hz – 100 Hz
Frequency Response (-3 dB)	38 Hz – 100 Hz
Peak Output @ 1m	126 dB SPL
Crossover Point	100 Hz (24 dB per Octave)
Input Type	Balanced differential
Input Impedance	10K ohms
Thermal Protection	Output Drivers have internal protection, self resetting. Heatsink temperature monitored and input is muted if safe temperature is exceeded, self-resetting. Transformer has internal thermal fuse, self-resetting.

Transducer

Low-Frequency Transducer	
Diameter	18" (381mm)
Voice Coil Diameter	4" (76.2mm)
Power Handling	600 watts RMS

D-CAT Technology Power Amplifier

Low-Frequency Amplifier	
Power Output with SA115-SA118	900 watts RMS
THD	0.06% typical

Line Input Power

Voltage	117VAC, 60 Hz
Current	6.9 amps
Power	800 watts

Physical

Height	32.5" (825mm)
Front Width	24" (609mm)
Depth	20" (508mm)
Weight	85 lbs.
Enclosure	18mm thick, 13 ply Baltic Birch plywood
Mounting Methods	Floor mount

Note: *D-CAT* is a trademark of ISP Technologies LLC

WARRANTY AND SERVICE

The unit, parts and workmanship are fully guaranteed to be free of defects under normal use and service for a period of three year from the date of purchase.

Any damage resulting from the misuse or the failure to follow the precautions and instructions will void the warranty.

In the event that the unit needs to be repaired. Please return the unit to ISP Technologies directly. Simply repack the unit, send a copy of the original receipt, a note stating the problem, and send it to:

ISP Technologies, LLC
5479 Perry Dr. Suite B
Waterford, Mi. 48329
Attn: Repair Dept.

All shipping charges must be fully prepaid.

ISP will not be responsible for any damages incurred in shipping of any unit. Any claim will need to be settled with the shipping company.

The warranty will be voided if the serial number has been tampered with in any way.

Should you have any questions for the repair department prior to returning the product please call 1-(248)-620-6795

NOTE: This Product may be covered under one or more of the following patents or patents pending: 7,035,413; 6,944,305; 6,931,134; 6,831,514; 6,091,013

NOTE: If it is determined that the power amp module has failed, it is possible for an ISP certified service center to remove the module from the cabinet by removing the mounting screws and disconnecting the speaker terminals and the transformer. The module may be sent back to ISP separately. Please contact ISP for technical support to help determine if the amplifier module may be defective.



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