

HARBINGER™

APS12/APS15 Owner's Manual

12"/15" Two-way 150-Watt Powered Speaker



Welcome

Congratulations on your purchase of Harbinger's APS12 / APS15 12"/15" two-way 150-Watt powered speaker. By following these guidelines and suggestions, your new Harbinger loudspeaker will provide you with many years of great sound and reliable service.

Your new PA includes:

- Two-way, Full-Range Powered Speaker with 12"/15" Woofer and 1 3/8" Compression Driver
- 150-watt RMS, Convection-Cooled, Class A/B Amplifier
- 3-Channel Mic/Line Mixer
 - 2 Mic/Line Input Channels with Individual Balanced and Unbalanced Connections
 - 1 Dual RCA/Single XLR Line Input for Playback Devices such as MP3, CD Players and More
- 5-Band Graphic Equalizer
- Individual Balanced and Unbalanced Line Outputs for Connecting other Powered Speakers
- Built-In Stand Mount (Stand not included)
- LED Clip Indicator

Important Safety Instructions

DANGER

Exposure to extremely high noise levels may cause permanent hearing loss. Individuals vary considerably to noise-induced hearing loss but most will lose some hearing if exposed to intense noise for a sufficient period of time.

The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposures:

DURATION PER DAY (HOURS)	8	6	4	3	2	1
SOUND LEVEL (dB)	90	93	95	97	100	103

According to OSHA, any exposure in the above permissible limits could result in some hearing loss. Ear plugs or protectors in the ear canal or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss. If exposure in excess of the limits as put forth above, to insure against potentially harmful exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of inducing high sound pressure levels, such as this amplification system, be protected by hearing protectors while this unit is in operation.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE CHASSIS. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

AVIS: RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR.



THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF NON-INSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS



THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE UNIT.



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.

IMPORTANT SAFETY INSTRUCTIONS

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be kept for future reference.
3. Read and understand all warnings listed on the operating instructions.
4. Follow all operating instructions to operate this product.
5. This product should not be used near water, i.e. a bathtub, sink, swimming pool, wet basement, etc.
6. Use only a dry cloth to clean this product.
7. Do not block any ventilation openings. The product should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
8. Do not install this product near any heat sources, such as radiators, heat registers, stoves or any other apparatus (including heat-producing amplifiers) that produces 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 being walked on or pinched, particularly at plugs, convenience receptacles and the point where they exit from the apparatus. Do not break the ground pin of the power supply cord.
11. Only use attachments 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 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. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation ports or any other openings.
15. Refer all servicing to a qualified service professional. Servicing is required when the apparatus does not operate normally or has been damaged in any way, including damage to the power cord or plug, damage due to liquids spilled or objects dropped inside the unit, dropping the unit, or anything else that interrupts normal use of the unit.
16. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
17. When a mains plug is used as the disconnect device, the disconnect device shall remain readily operable.
18. This product is not designed for permanent installation. The speaker should only be used with speaker stands using the built-in stand mount. This product should not be suspended using eye bolts.

Back Panel

1 MIC Inputs

Two MIC input pairs. Each one accepts a high-impedance 1/4" jack and/or a low-impedance XLR connection. For best results, use a low-impedance microphone and a properly wired cable. The 1/4" inputs are designed for low line-level signals such as microphones or acoustic guitars. Standard line-level signals should be connected to the Dual RCA or XLR line input.

2 LINE Input

Accepts line-level signals through the Dual RCA jacks or the single XLR connector.

3 LINE Out

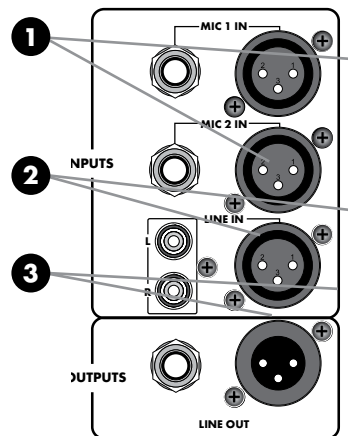
Sends signal out before the power amp, so you can connect to another active speaker or any other device that accepts a line level signal.

4 Power Switch

Switches the unit on or off. Be sure to turn the MASTER level down before you turn the unit on.

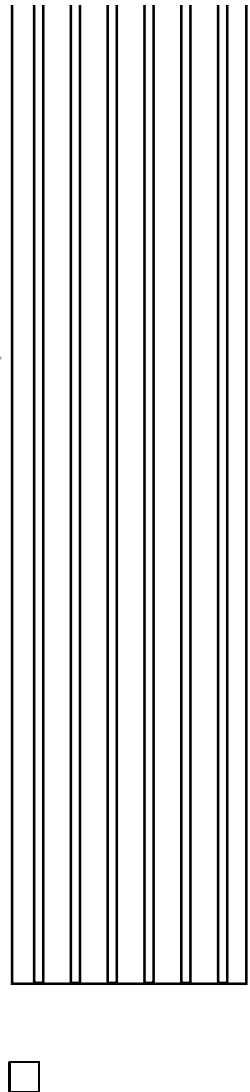
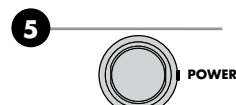
5 FUSE & AC

This is a power socket with a FUSE holder.



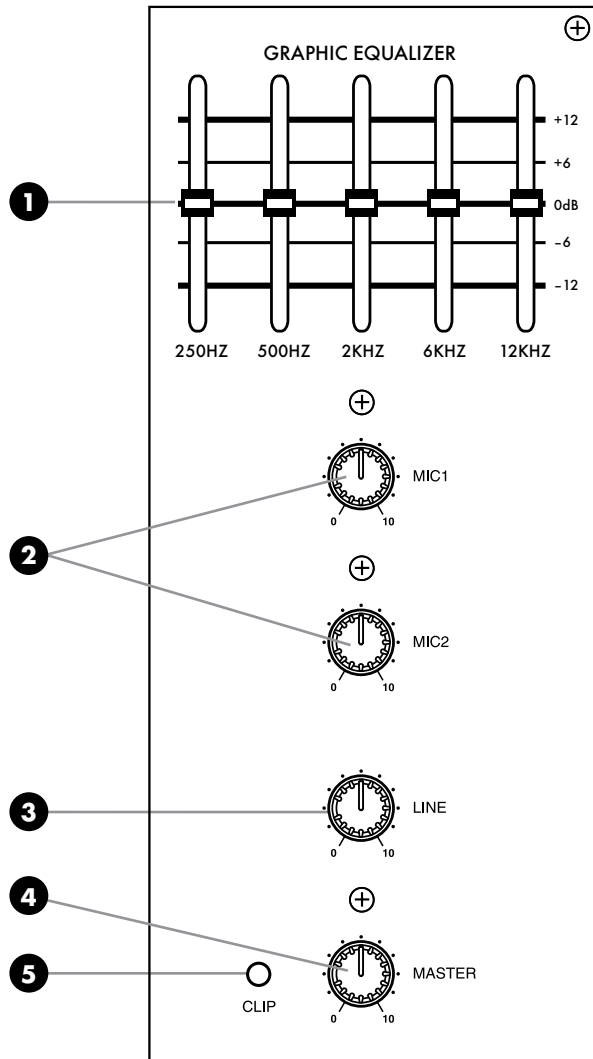
ACTIVE POWERED SPEAKER

Harbinger Pro Audio
Thousand Oaks, CA USA



Side Panel

- 1 5-Band Graphic Equalizer**
Use this to adjust the overall equalization to prevent feedback and enhance the tone of your music.
- 2 MIC**
Controls the MIC input levels.
- 3 LINE**
Controls the LINE input level from an MP3 player, mixer, etc.
- 4 MASTER**
Adjusts the final volume level.
- 5 CLIP Indicator**
This LED will illuminate if output signal exceeds the output capacity of the amplifier. Reduce the input signal, (Mic 1, Mic 2 or Line) when it becomes lit.



Specifications

SYSTEM SPECIFICATIONS	APS12	APS15
Frequency Response (-3dB)	45Hz - 18kHz	45Hz - 18kHz
Frequency Range (-6dB)	40Hz - 20kHz	40Hz - 20kHz
Max SPL Long-Term @1m	97dB	98dB
Max SPL Peak @ 1m	119dB	121dB
Crossover	18dB/oct at 3.5kHz (passive)	18dB/oct at 3.5kHz (passive)
AUDIO		
MIC Input		
Input Type	2 bal. XLR & 2 bal. 1/4"	2 bal. XLR & 2 bal. 1/4"
Input Impedance	3k Ohms	3k Ohms
Input Sensitivity	-46dBu	-46dBu
LINE Input		
Input Type	bal. XLR/bal. RCA	bal. XLR/bal. RCA
Input Impedance	10k Ohms	10k Ohms
Input Sensitivity	-26dBu	-26dBu
FREQUENCY EQUALIZER		
Type	5-band Graphic Equalizer	5-band Graphic Equalizer
Frequency	250Hz/500Hz/1kHz/4kHz/8kHz	250Hz/750Hz/2kHz/6kHz/12kHz
Equalize Range	-12dB/+12dB	-12dB/+12dB
POWER AMPLIFIER		
Rated Output Power	135 Watts	180 Watts
Max Output Power	150 Watts	216 Watts
Power Supply	110V, 60Hz	110V/120V ~ 50/60Hz
Max Power Consumption	276VA	285VA
Rated THD	<0.5% (20Hz - 20kHz)	<0.5% (20Hz - 20kHz)
Frequency Response	+1/-2dB (20Hz - 20kHz)	+1/-2dB (20Hz - 20kHz)
Cooling	Convection Extrusion	Convection Extrusion
Design	Class A/B	Class A/B
Dimensions	H 25.2" x W 16.2" x D 13"	H 28.7" x W 19.3" x D 14.6"
Weight	35.9 lb.	46.3 lb.

Warranty

So we may serve you better, please register on-line at www.HarbingerProAudio.com

2 Harbinger Limited Warranty Harbinger provides to the original purchaser a two (2) year limited warranty on materials and workmanship on all Harbinger cabinets and loudspeaker components from the date of purchase.

If your covered product is defective, ship the defective component together with proof of purchase, freight prepaid and insured, to an Authorized Harbinger repair center or directly to Harbinger Support Headquarters. If you are uncertain which component is defective, or to obtain instructions for removing a component, please contact Harbinger Support Headquarters for assistance at support@HarbingerProAudio.com, or visit www.HarbingerProAudio.com.

A Return Authorization Number must be obtained from our Customer Service Department prior to shipping the product. To locate a repair center near you and to obtain a Return Authorization Number, contact support@HarbingerProAudio.com or visit www.HarbingerProAudio.com.

This warranty does not cover service or parts to repair damage caused by neglect, abuse, normal wear and tear and cosmetic appearance to the cabinetry not directly attributed to defects in materials or workmanship. Also excluded from coverage are damages caused directly or indirectly due to any service, repair(s), or modifications of the cabinet, which have not been authorized or approved by Harbinger. This two (2) year warranty does not cover service or parts to repair damage caused by accident, disaster, misuse, abuse, burnt voice-coils, over-powering, negligence, inadequate packing or inadequate shipping procedures. The sole and exclusive remedy of the foregoing limited warranty shall be limited to the repair or replacement of any defective or non-conforming component. All warranties including, but not limited to, the express warranty and the implied warranties of merchantability and fitness for a particular purpose are limited to the two (2) year warranty period. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. There are no express warranties beyond those stated here. In the event that applicable law does not allow the limitation of the duration of the implied warranties to the warranty period, then the duration of the implied warranties shall be limited to as long as is provided by applicable law. No warranties apply after that period.

Retailer and manufacturer shall not be liable for damages based upon inconvenience, loss of use of product, loss of time, interrupted operation or commercial loss or any other incidental or consequential damages including but not limited to lost profits, downtime, goodwill, damage to or replacement of equipment and property, and any costs of recovering, reprogramming, or

reproducing any program or data stored in equipment that is used with Harbinger products. This guarantee gives you specific legal rights. You may have other legal rights, which vary from state to state.

California Prop 65 Warning: This product may contain a chemical(s) known to the state of California to cause cancer or birth defects or other reproductive harm.

Harbinger, P.O. Box 5111, Thousand Oaks, CA 91359-5111

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SOUNDENGINEERING

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great-sounding
speaker options, check out
Harbinger's entire line at
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