

Manual of Operations

Ocean Way Audio – Pro3 Sound System



Contents

- 1) Pro3 Description
- 2) Safety Instructions and Warnings! (please read carefully)
- 3) Inputs and Controls
- 4) Input selectors & Legends
- 5) S10A Sub-Bass option
- 6) Specifications
- 7) Warranty
- 8) Maintenance

1) Pro3

Pro3 is the latest addition to the OWA speaker line achieving efficient distortion-free dynamic range in an aesthetically appealing trapezoidal profile. Its cabinet features a sleek design with attention to time alignment, reduce baffle reflections and materials designed to minimize low frequency resonance. Its port is optimized to increase the woofer's low frequency extension and sound pressure level capacity.

Pro3's HF driver is a high definition silk fabric dome design with excellent mechanical linearity. The LF driver uses a geometrically reinforced aluminum cone with a vented cast aluminum chassis yielding optimum strength and "high-power linearity". Combined with the cabinet, the system offers minimal reflection, high resolution and low listening fatigue over the entire audio spectrum.

Our two-way, self-powered design delivers outstanding performance allowing for flexibility of placement in the room with a uniform frequency response of 45Hz to 20kHz, and 110 dB maximum SPL between channels. Its overload protection circuitry ensure that drivers and amplifiers are protected, providing long term system reliability. The speaker allows the professional to hear great detail with a natural, open and accurately image. The Pro3 stands well above competitive monitor speakers in its price range.

2) Safety Instructions and Warnings

- Read the information for use
- Please keep this user manual in a safe place during the lifetime of the product.
- Heed all warnings.
- Follow all instructions.
- Do not use this product near water (for example, in damp rooms or near a swimming pool).
- Clean only with dry cloth.
- Do not cover the heat sink. Install in accordance with the user manual.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- Protect the power cord from being walked on, pinched or damaged in any other way. Pay particular attention to plugs and the point where they exit from the Amplifier Unit.
- The Amplifier Unit can only be disconnected from the power supply by removing the plug, which must be freely accessible at all times. Unplug this Amplifier Unit during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel.

Servicing

Do not attempt to service this product yourself. As opening or removing covers may expose you to dangerous voltage or other hazards, the amplifier may only be opened by qualified personnel. Please refer to your dealer/distributor.

Servicing and Replacement Parts

All service and repair work must be carried out by an authorized dealer/distributor. When replacement parts are required, please ensure that the dealer/distributor only uses replacement parts specified by the manufacturer. The use of unauthorized replacement parts may result in injury and/or damage through fire or electric shock or other electricity -related hazards.

Ventilation and heat sink

The heat sink is provided to ensure reliable operation of the Amplifier Unit and to protect it from overheating. The heat sink must not be blocked or covered. This product should not be installed unless proper ventilation is provided or manufacturer's instructions have been adhered to.

Water and Moisture

Do not use this product near water (for example, in damp rooms or near a swimming pool).

Cleaning

Unplug the Amplifier Unit from the wall outlet before cleaning. Do not use liquid or aerosol cleaners.

Power -Cord Protection

Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon them or against them, paying particular attention to cords and plugs, and the point where they exit from the Amplifier Unit.

Lightning

For added protection of the product during lightning storms, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges. Disconnection from the mains power supply can only be achieved by removing the plug from the mains socket and by external disconnection of all poles from the mains.

Accessories

Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury, and serious damage to the product.

Connecting

When you connect this speaker to other equipment, turn off the power and unplug all of the equipment from the supply source. Failure to do so may cause an electric shock and serious personal injury. Read the user's manual of the other equipment carefully and follow the instructions when making the connections.

Sound Volume

Reduce the system volume to minimum before you turn on the amplifier to prevent sudden high levels of sound which may cause hearing or speaker damage.

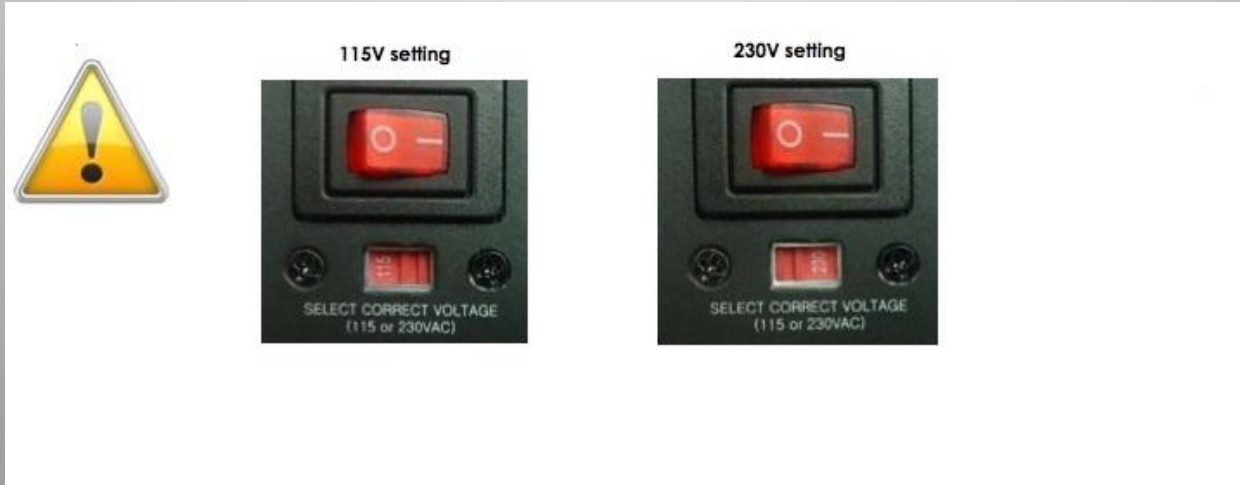
Precautions when connecting to MAINS IN

When mounting or connecting the product always disconnect it from mains. Only connect the product to an appropriate AC circuit and outlet, according to the requirements indicated on the rating plate. If a power cut occurs while the amplifier is switched on, it will restart automatically once the power supply has been restored. All settings prior to the loss of power will be maintained. **IMPORTANT:** Always connect the Product to mains through the MAINS IN connector on the Amplifier Unit.

DO NOT REMOVE MAINS CONNECTOR GROUND, IT IS ILLEGAL AND DANGEROUS.

AC power 115/230v switch

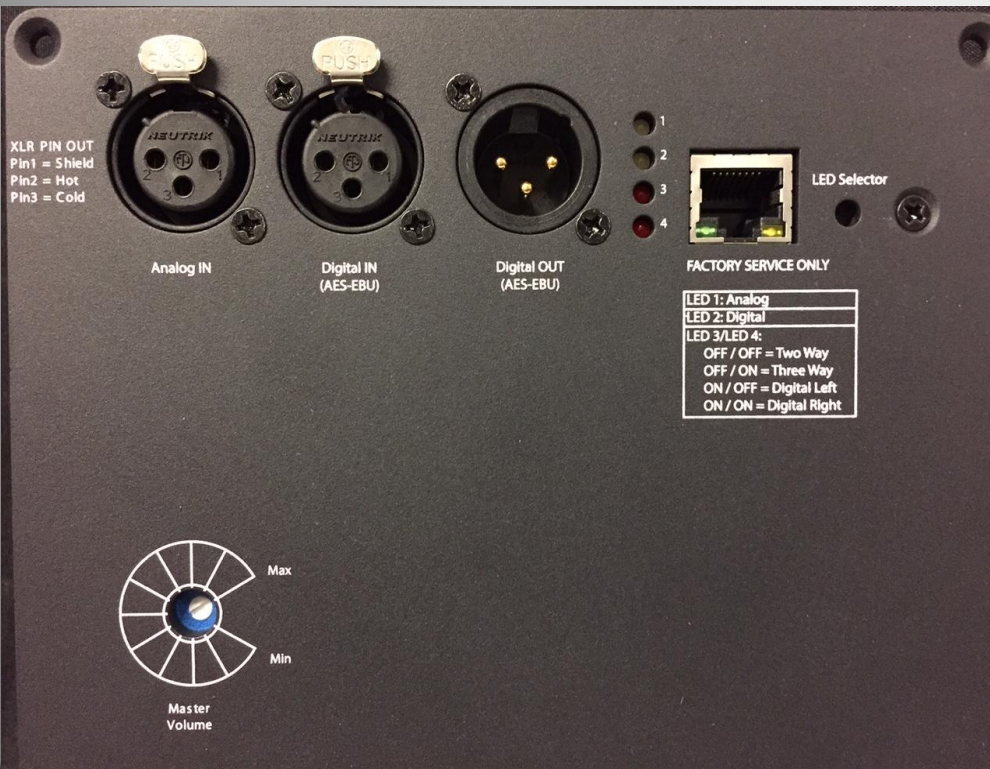
Make sure to correctly configure with the correct voltage for your country.



3) Inputs and Controls Pro3

Master Volume

The Master Volume allows trimming the speaker input gain when desired.



4) Input Selection and Legends

Pro3

LED 1 –when illuminated indicates preset selected requires an analog signal

LED2 – when illuminated indicates preset selected requires an AES-EBU digital signal

LEDS 3 & 4 - will be illuminated or dark in combinations specified in the legend above

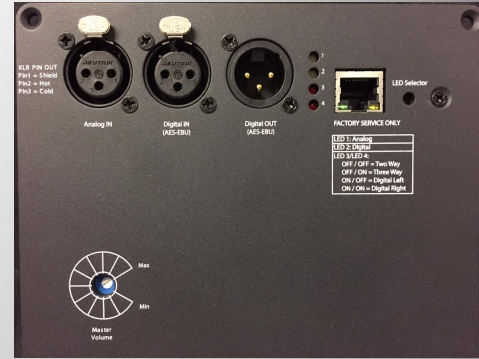
To indicate which of the 4 presets is currently active.

Preset 1 – default preset the speaker is shipped with. It is an analog input 2-way (full range) configuration. Use **Analog In XLR**. (*LED 1 on, LED 3 & 4 off*).

Preset 2- Is an analog 3-way (85Hz 4th order L-R high pass filter) for use with a sub-woofer. Use **Analog In XLR** (*LED 1 on, LED 3 off / LED 4 on*).

Preset 3 – Is an AES-EBU digital left input with 2-way response. Use **Digital In XLR** (*LED 2 on, LED 3 on / LED 4 off*).

Preset 4 – Is an AES-EBU digital right input with 2-way response. Use **Digital In XLR** (*LED 2 on, LED 3 on / LED 4 on*).



Selecting Digital or Analog Inputs

LED 1: Analog
LED 2: Digital
LED 3/LED 4:
OFF / OFF = Two Way
OFF / ON = Three Way
ON / OFF = Digital Left
ON / ON = Digital Right

Selecting Digital Inputs:

If you want to use the direct digital inputs, it's very simple once you've toggled through the simple set-up. Steps are: Using a small blunt tool (like the cotton swap stick one end removed) push and hold the LED selector switch for a full second and LED #1 will be "OFF" and LED #2 is now "ON". Now you're in the digital input mode.

AES/EBU requires the user to tell the speaker if it's the left channel or right channel so... press the LED selector switch for a ½ second or less until only LED #3 is blinking. Press and hold the LED selector switch for one full second and LED #3 will be "ON" solid. **The speaker is now digital left channel.**

Press the LED selector switch for a ½ second or less and until LED #3 and LED #4 are blinking together. Press and hold the LED selector switch for one full second and LED #3 and LED #4 will be "ON" solid. **The speaker is now digital right channel.**

To return to the Analog input mode:

Push and hold the LED selector switch for a full second and LED #1 will be "ON" and LED #2 is "OFF". Now you're back in the Analog input mode.

Signal Flow 2-Way & 3-Way

The Pro3 is configured as a 2-way system with no programmed roll-off in the low end response. There is a factory preset installed that will allow the speaker's low frequency response to be extended by adding a sub-bass cabinet. Ocean Way Audio offers the S10A and the S12A subwoofer which has been added to create a balanced system response.

Select Preset 2 - (*LED 1 on, LED 3 off / LED 4 on*).

S10A & S12A Description

GAIN is the volume control. A suggested starting position is 12 o'clock when matched with HR5 speakers. Adjust up or down to suit positioning in your room. (Closer to a wall or a corner on the floor will increase the low frequency response.

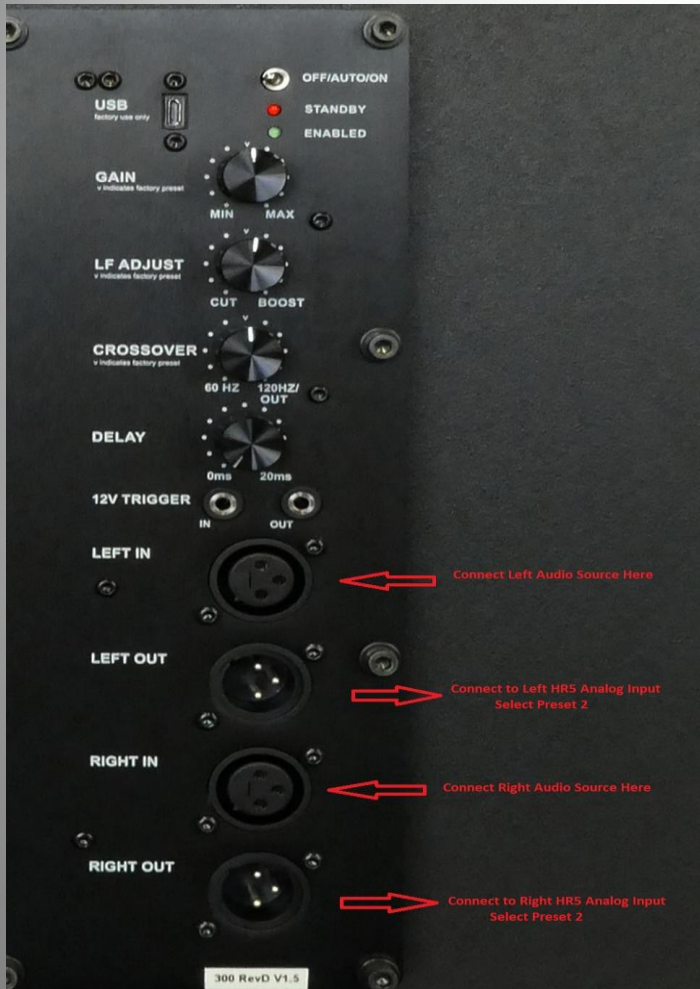
LF Adjust incorporated a LF shelf @ 45 Hz +/- 5 db in 1 db increments

Crossover switch selects frequencies from 60 / 65 / 70 / 75 / 80 / 85 / 90 / 95 / 100 / 110 / 120hz

Delay adjusts from 0 to 20 ms.

12V trigger (AC or DC) will turn the unit on and off when power switch is in center (Auto) position. The jacks are paralleled to daisy chain to other auto powered products. With switch in center position and no trigger utilized, the unit will power ON when audio is sent to the input XLRs.

Balanced XLR IN & OUT jacks are paralleled and a direct feed through. Signal does not go through any electronics.



6) Pro3 Specifications

Tech Specs	Pro3
Powered	YES
Driver Configuration	2-Way
HF Driver Size	1"
LF Driver Size	7"
LF Driver Power Amp	125w/D
HF Driver Power Amp	90w/D
Analog Inputs	Balanced
AES3 Digital Inputs	Yes
Frequency Range	45Hz>20kHz
Maximum Peak SPL	110db
Enclosure Type	Ported
Height	14"
Width	9"
Depth	13.5"
Weight	23 lbs

7) Warranty

Ocean Way Audio speakers are under limited warranty as described in the following conditions.

1. Warranty period starts as of date of purchase from the authorized dealer.
2. OWA reserves the right to request original purchase receipt as proof of the date of purchase.
3. Electronic components and cabinetry are warranted for a period of two (2) years against manufacturing defect, covering parts and labor for necessary repairs.
4. Speaker driver components are warranted for a period of one (1) year against manufacturing defect.
5. The manufacturer's warranties are limited to physical defects in the materials, parts and workmanship used in making the product.
6. Misuse, incorrect installation, handling, repairs or modifications performed by unauthorized persons, abnormal conditions, damage due to accidents such as power surges, water, fire, or any other are excluded from any warranty claims.
7. OWA warrants all service repairs and replacements for 180 days from the date of return to the customer/owner.

Technical Support and Service

For warranty service and assistance, contact the original authorized dealer/distributor to arrange for return and/ or repair of the product. OWA will strive to satisfy all service requests in the fastest manner possible. Under the warranty, OWA will repair, or at its discretion, replace the product at no charge, provided it is returned (postage paid) to an authorized OWA service center. Any shipping or duties incurred are the customer's responsibility. Products should be returned suitably packaged to protect from shipping damage, or in their original packaging. OWA shall be the sole and final authority to determine the validity of all warranty issues. All non-warranty repairs for current products will be charged according to the service repair pricing schedule. Repair prices will either be based on a flat fee for repair or replacement, or will be estimated depending on the repair deemed necessary.

8)Maintenance

Exterior surfaces of this product may be cleaned using a non-abrasive lint-free cloth lightly damped with water. Disconnect the mains power cable when cleaning to avoid risk of electric shock.

Do not use alcohol or ammonia based cleaners.

Driver active surfaces will not require cleaning as they are deep-set inside horn expansions

A hallway wall is covered in framed gold and platinum records and cassette tapes. The records are arranged in two rows, with some framed cassettes interspersed. The top row features several gold records, some with red labels, and a cassette tape. The bottom row features a large gold record with a red label, a gold record with a blue label, and several other gold records. The wall is dark, and the records are brightly lit, creating a sense of depth and history.

Ocean Way Audio

History

About Ocean Way

It all started with speakers. Ocean Way Recording began in 1968, as a showcase for Allen's custom monitors.

Allen needed impressive sounding material for his speakers so he began to record music that sounded dramatic! The studio business boomed and he met the demand with many rooms in several locations. At the peak of the studio business, Allen designed and owned four recording studio complexes.

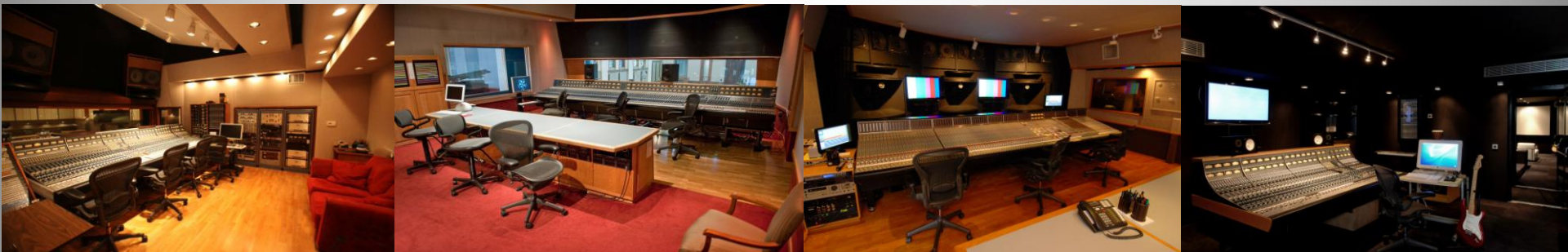
Five time Grammy® Award winning Allen Sides has personally recorded over 1,000 albums, many of which have become audiophile classics. He has worked with the finest and most famous artists of the last four decades. Albums recorded in Allen's studios have sold over a billion copies. Allen's hearing capabilities enables our engineers to translate every sonic nuance, bringing a new dimension and understanding to what is possible in high-end speaker design. His ears are our final design tool.

Ocean Way Hollywood

Ocean Way Nashville

Ocean Way Record One

Ocean Way St. Barts



Through-out the history of Ocean Way Studios, we built the monitor systems for all the control rooms and private studios for selected elite cliental.

These many accomplishments, paved the way for

Ocean Way Audio

The **Pro-Series** delivers “the” sound of Ocean Way Studios in a free standing design.

Engineering speaker systems for professionals; incorporating 45 years of award winning experience