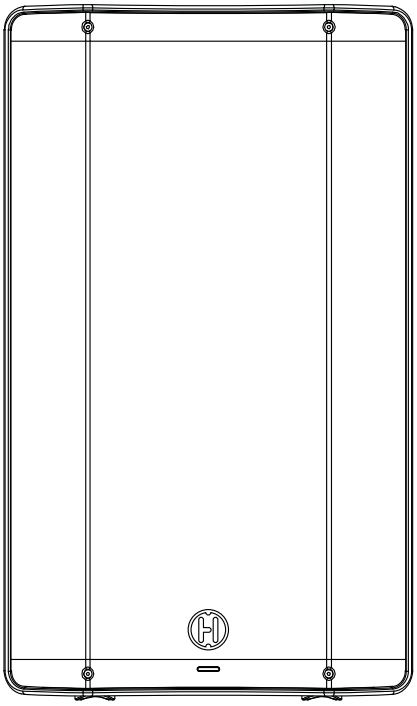
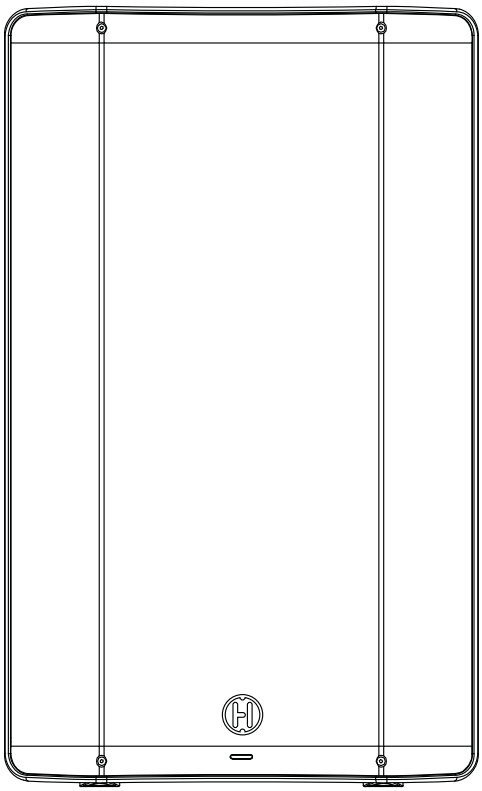
HARBINGER

V4400 SERIES

OWNER'S MANUAL



V4412



V4415

VARI
SERIES

HARBINGER

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WELCOME

The Harbinger VARI 4400 Series Powered Speakers each combine 2500 watts of peak power with visually controlled DSP, and our exclusive XR Transducer Technology. Combined with versatile inputs, outputs and controls, these capabilities deliver premium sound reproduction with great flexibility.

V4412 12-inch 2-way Powered Speaker
- 12-inch speaker, plus high precision high frequency compression driver
- Bluetooth audio input, dual mic/instrument inputs, dedicated stereo line input and aux input – all available simultaneously
- Visually controlled DSP providing selectable Voicings, customizable Presets, Location tuning, adjustable Sub Cut, and direct-access Bass and Treble controls, as well as a transparent and dynamic limiter, and high precision crossover for extremely accurate, high fidelity sound
- Innovative Smart Stereo™ capability, with easy volume and tone control for one or more pairs of speakers from a master unit
- Versatile cabinet allowing free-standing, pole mounted, and lay-flat floor monitor placement
- OUT jack provides audio for other monitoring systems or separate subwoofer

V4415 15-inch 2-way Powered Speaker
- All the same DSP, input, output, control and usage capabilities as the 4412
- A larger 15-inch speaker, delivering additional volume

Also Available: VS18 18-inch Powered Subwoofer with Easy-Roll Casters
- Add a VS18 to bring high impact low end to your VARI 4000 powered speaker setup
- DSP provides a transparent and dynamic limiter, and high precision crossover for extremely accurate, high fidelity sound
- Includes adjustable crossover and phase for optimal pairing with any powered speakers

XR TRANSDUCER TECHNOLOGY

The transducers of the VARI 4400 series use our unique proprietary XR technology. By employing innovative construction, proprietary adhesives, and premium-spec materials, we have been able to dramatically reduce unintended vibrations and material deformations that cause distortion and lack of clarity in lesser speakers.

You'll hear the result in the outstanding accuracy, exceptional power handling, and extended frequency response of VARI 4000 series speakers.

VARI SERIES iOS® APP

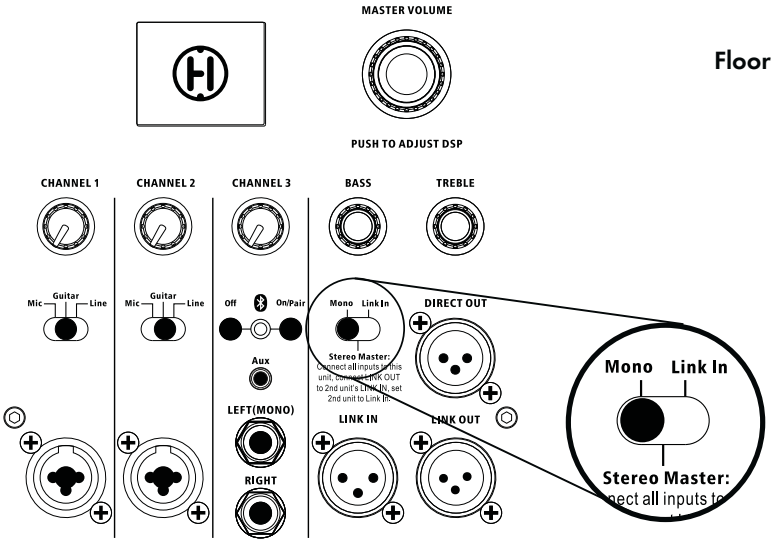
Visit the App Store on your iPhone® or iPad® to download the VARI SERIES App, and wirelessly control your VARI 4400 via Bluetooth.

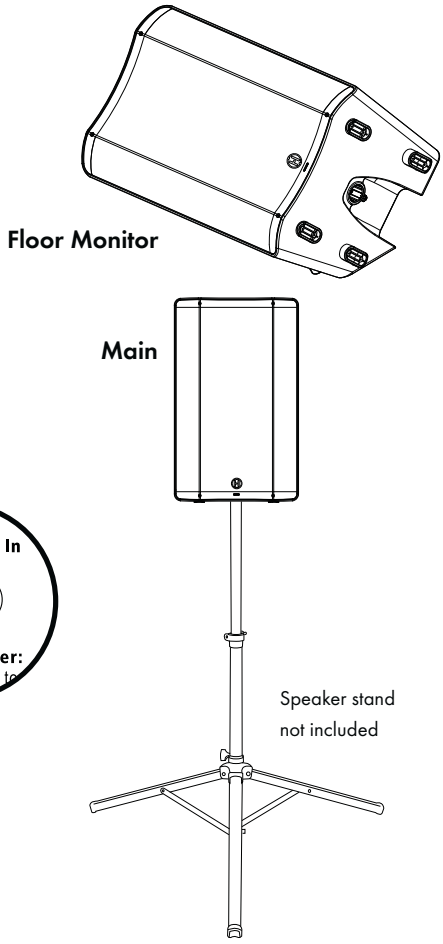
- You'll be able to control all DSP functions of the VARI 4400, and customize any of the Voicings.
- You can temporarily tune the sound of VARI V4412 or V4415 for a gig or venue, or replace any of the factory standard Voicings and Presets with your own custom sound.
- When used with Smart Stereo, you can control the sound of your entire stereo speaker rig from the app

QUICK START GUIDE: SINGLE V4412/V4415

SETTING UP / HELPFUL TIPS
- Position your VARI in the desired location, and ensure it is stable.
- Make sure the Power Switch is off.
- Turn Channel 1, 2, and 3 knobs to minimum.

MAKING THE CONNECTIONS
- Connect sources to INPUT 1, 2 and 3 jacks as desired. (All these input jacks can be used at once, along with Bluetooth audio input.)





CHECK SWITCHES
Check that Normal (Mono) ROUTING LED is lit
Check that INPUT 1 and INPUT 2 switches match sources:
- Mic for microphones, or line level sources with low output volumes
- Guitar for acoustic guitar or pedal board output
- Line for mixers, keyboards and other electronics

POWERING UP
- Power on any devices connected to input jacks.
- Turn up the output volume of all sources.
- Turn INPUT 1, 2, 3, Bass, Treble, and Master Volume knobs to desired levels.

BLUETOOTH AUDIO INPUT
- Press On/Pair button so Blue LED flashes
- From your Bluetooth audio source device, look for V4412 or V4415 and select it.

FOR FLOOR MONITOR USE
- Set Location to Floor Monitor (see page 12 for details)

BLUETOOTH® TROUBLESHOOTING

These steps should resolve any Bluetooth audio trouble you may encounter:

FOR APPLE iOS DEVICE
1. **Power off the V4412 or V4415 and leave it off**
2. **On your Apple iOS device**
   - Open Settings app, select Bluetooth
   - If V4412 or V4415 is listed under MY DEVICES, touch info button, tap to Forget This Device
   - Turn off Bluetooth, wait 10 seconds, turn on Bluetooth
3. **Then power on your V4412 or V4415, and touch On/Pair button so Bluetooth LED flashes**
4. **You should now be able to connect to V4412 or V4415 via Bluetooth**

FOR ANDROID DEVICE
1. **Power off the V4412 or V4415 and leave it off**
2. **On your Android device**
   - Open Settings, select Bluetooth
   - If V4412 or V4415 is listed under Paired Devices, touch gear Icon, and tap to Unpair
   - Turn off Bluetooth, wait 10 seconds, turn on Bluetooth
3. **Then power on your V4412 or V4415, and touch On/Pair button so Bluetooth LED flashes**
4. **You should now be able to connect to V4412 or V4415 via Bluetooth**

SMART STEREO WITH PAIR OF V4412/V4415 SPEAKERS

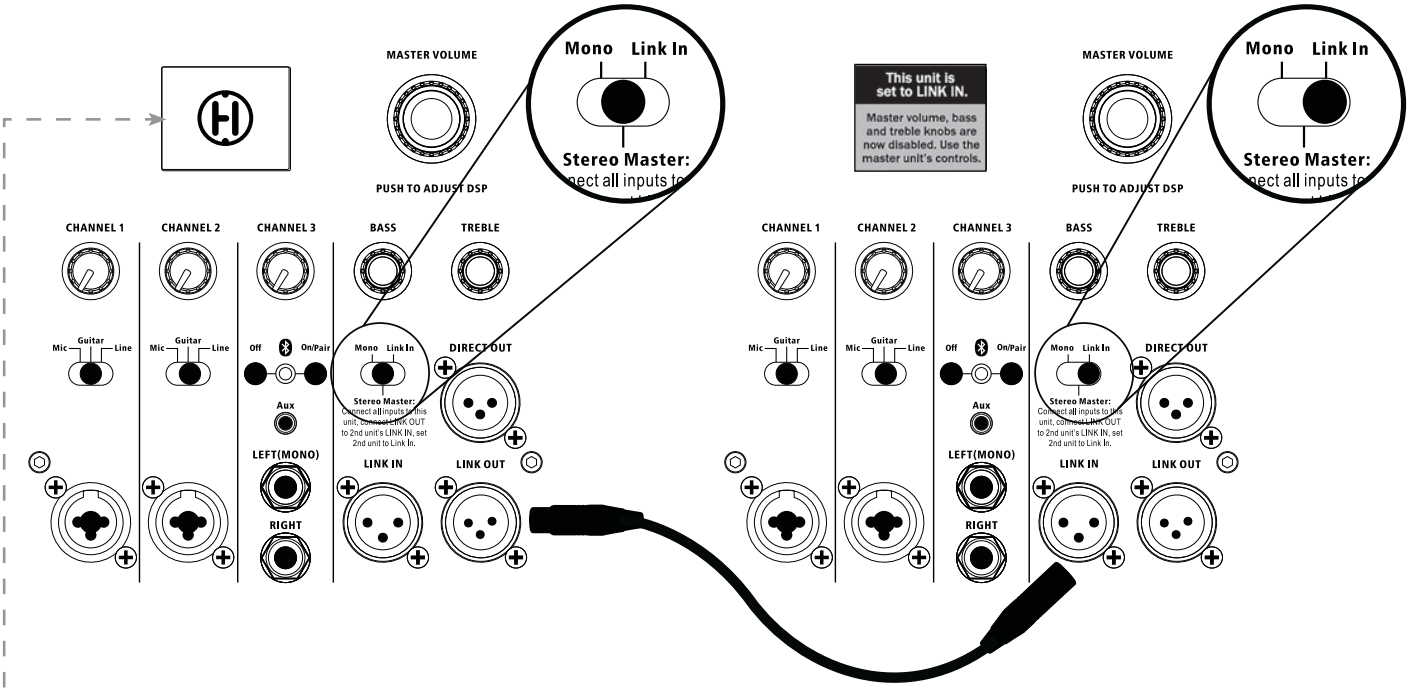
A pair of VARI V4412 or V4415 speakers can operate together as a Smart Stereo system, giving you control of the sound and volume of both speakers from the first master speaker, and optimally distributing all audio inputs to both speakers for rich stereo sound.

INPUT 1 and 2 are routed mono to both VARI's, while all Channel 3 inputs are routed in split stereo to the VARI's.

1. Connect all inputs and make all sound settings on the first (left) unit only.

   The second (right) unit's inputs and controls are all disabled when it is set to Link In.

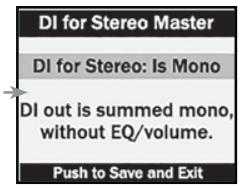
2. Set the ROUTING on first unit to Stereo Master.
3. Set the ROUTING on second unit to Link In.
4. Connect an XLR (microphone) cable from the first unit's OUT jack to the second unit's LINK IN.



These routing options can be set from the first speaker.

"Stereo Master" determines left/right audio allocation between the two speakers (see page 13 for details)

- Is Left: first speaker outputs left audio, second speaker outputs right
- Is Right: first speaker outputs right audio, second speaker outputs left

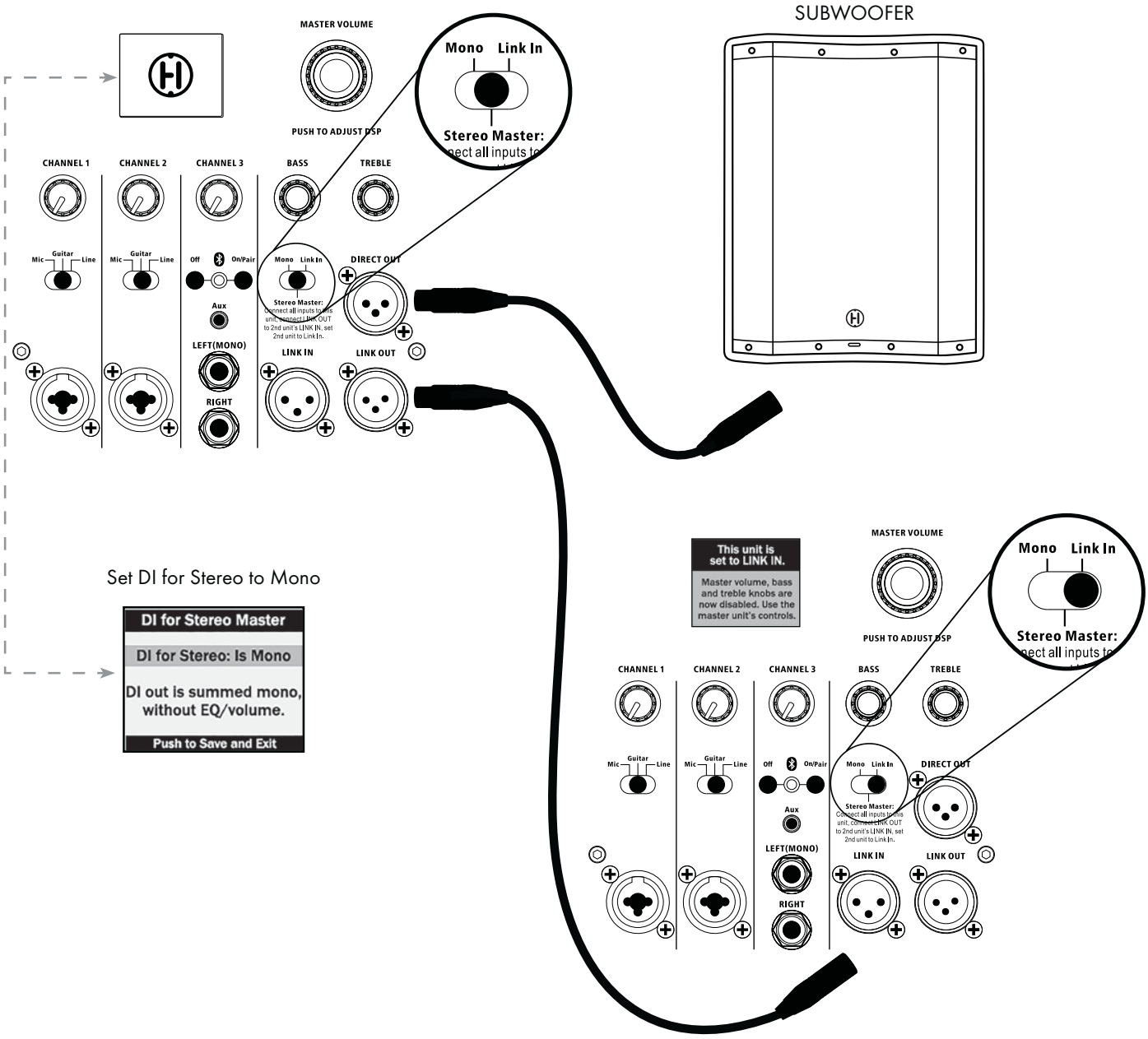


"DI for Stereo" determines OUT jack function (see page 13 for details)

- Mono - For mono output to feed another monitoring system, or subwoofer. (Use OUT jack from first speaker, for output signal that is pre-EQ and pre-Master Volume, meaning that it is not affected by Master Volume, Voicing, Location, Sub Cut, Bass and Treble settings.)
- Alt-Link - For stereo output to additional speakers. (See page 8 for details of using additional speakers.)

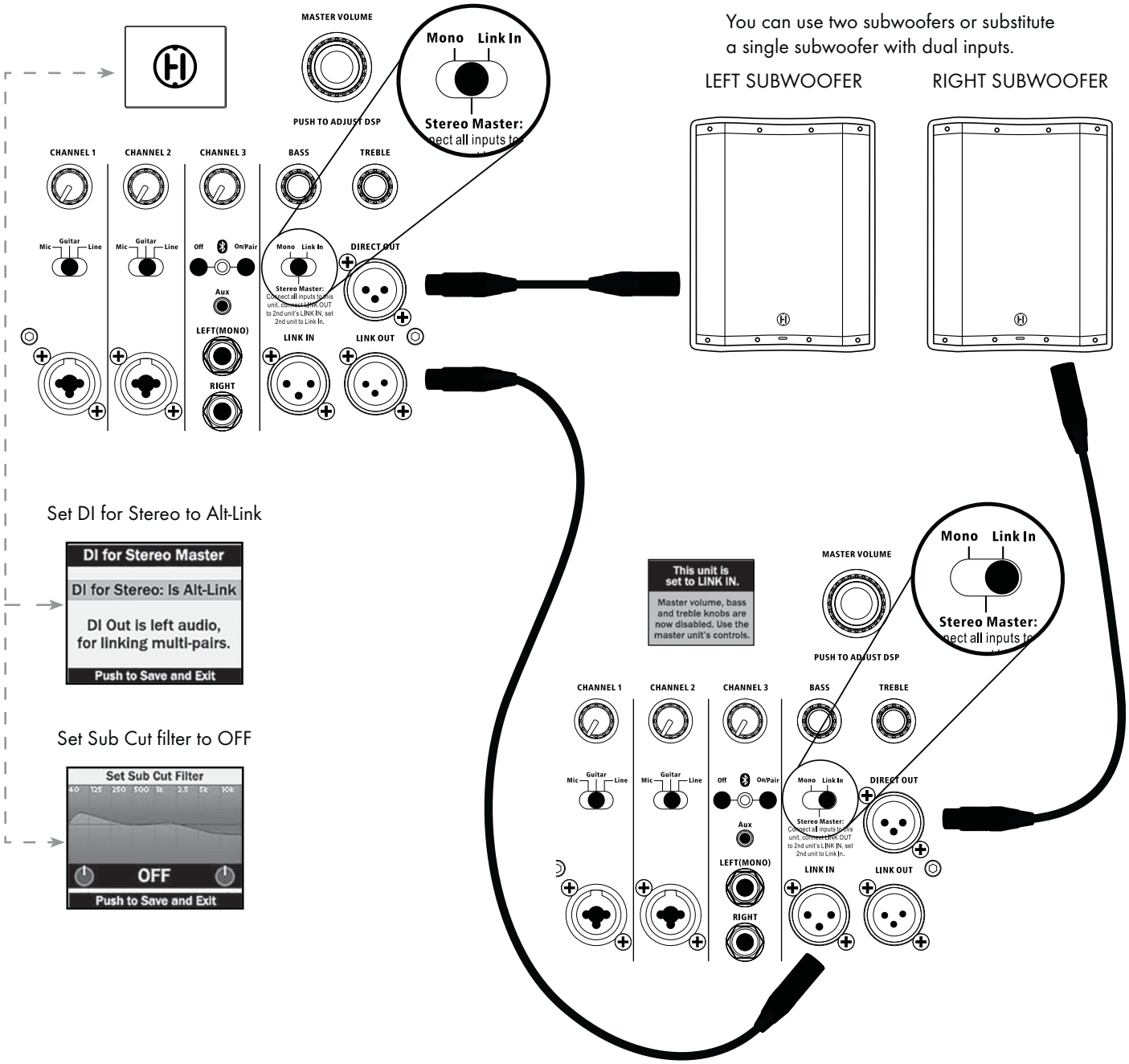
SMART STEREO WITH INDEPENDENT SUBWOOFER

In this configuration, signal to subwoofer is pre-EQ and pre-Master Volume, so audio sent to subwoofer is not effected by VARI's Master Volume or any of VARI's DSP processing



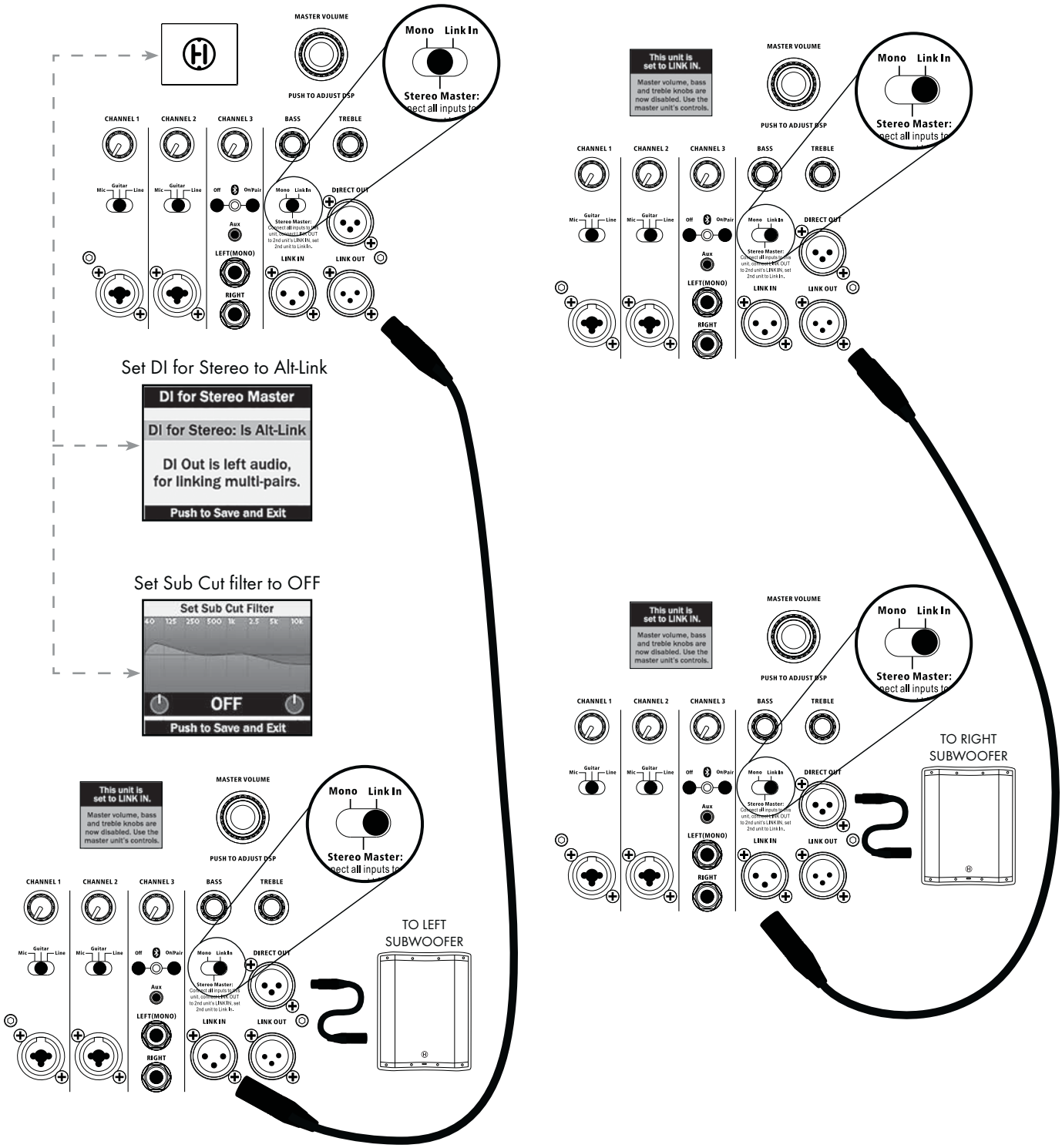
SMART STEREO WITH CONTROLLED SUBWOOFER(S)

In this configuration, signal to subwoofer is post-EQ and post-Master Volume, so audio sent to subwoofer is effected by VARI's Master Volume and VARI's DSP processing.

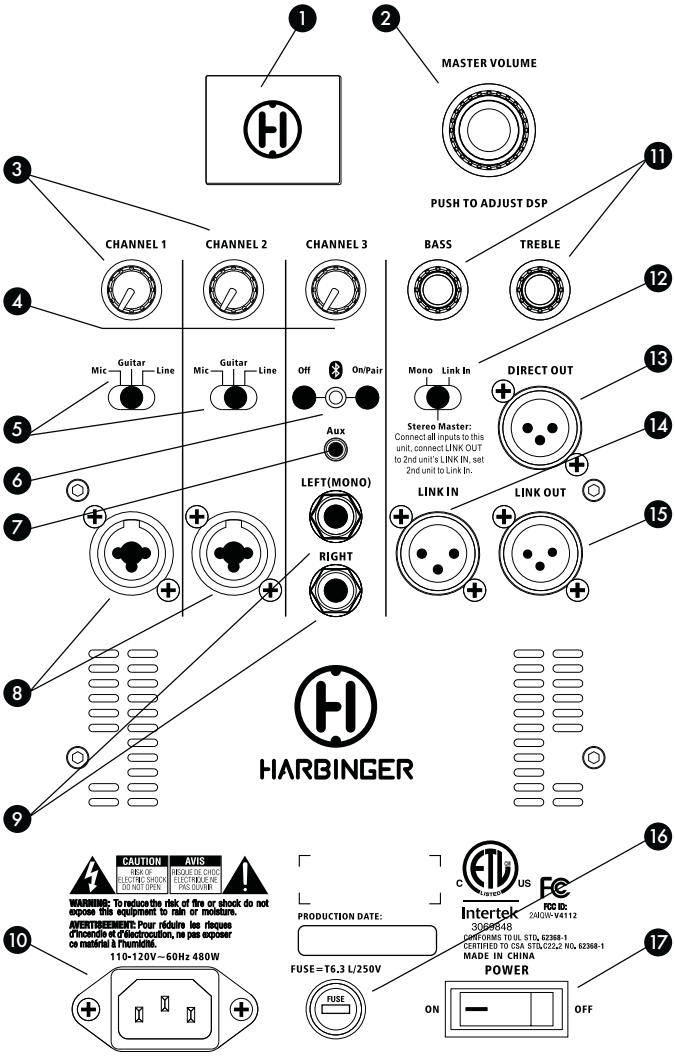


SMART STEREO WITH MULTIPLE V4412/V4415 PAIRS

In this configuration, signal to subwoofer is post-EQ and post-Master Volume, so audio sent to subwoofer is effected by VARI's Master Volume and DSP processing.



V4412/V4415 BACK PANEL



1 COLOR LCD DISPLAY
See page 10-14 for display features and functions.

2 MASTER VOLUME KNOB
- Turn this knob to set volume from the speaker
- Press knob to access DSP parameters on the display
- Follow instructions on display to adjust DSP (see page 10-14)

3 INPUT 1 AND 2 KNOBS
These knobs set the volume for the inputs below them.

4 INPUT 3 KNOB
Sets the volume for all the inputs below, including Bluetooth audio, aux, and left (Mono) and Right line inputs.

5 MIC/GUITAR/LINE SWITCHES
Set these to match the type of source connected to the input below them.
- Mic: for microphones, or line level sources with low output volumes
- Guitar: for acoustic guitar or guitar pedal board
- Line: for line level sources

6 BLUETOOTH
Press On/Pair to enable Bluetooth audio input, and initiate pairing.
- To pair, look for V4412 or V4415 from your Bluetooth audio source device.
- LED is lit solid when currently paired, blinking when available for pairing, and off if Bluetooth has been disabled by a press of the Bluetooth Off button.
- On/Pair button forces any currently connected Bluetooth audio source to disconnect, and makes the speaker available for pairing.
- Off button disables Bluetooth. If Bluetooth is off when you turn power off, it will remain off when you turn power on.

7 AUX INPUT
Audio from smartphones, computers and other consumer audio devices can be connected here.

8 INPUT 1 AND 2 JACKS
Connect XLR or 1/4-inch cables.

9 BALANCED LINE INPUTS
Balanced or unbalanced line level sources can be connected here.

10 POWER INPUT
Connect provided power cable here.

11 BASS AND TREBLE KNOBS
Adjust the sound of your speaker.

12 MONO / STEREO MASTER / LINK IN BUTTON & LEDS
- Mono: This speaker will output mono audio, and send mono audio to the LINK OUT jack so it's available for any other speaker or sound system.
- Stereo Master: This speaker will operate as the master speaker of a Smart Stereo pair. Use a mic cable to connect this speaker's LINK OUT to the LINK IN jack of a second speaker of the same type. All inputs should be connected to the first master speaker, which will also set the volume and tone of both speakers.
- Link In: Use this setting for the second speaker of a Smart Stereo pair. The audio from the LINK IN will be routed directly to the power amp and speaker, with all other inputs and controls being ignored. This jack feeds directly through to the power amp, bypassing all volume and tone controls of the amplifier.

13 MIX OUT JACK
Usually sends out mono audio.

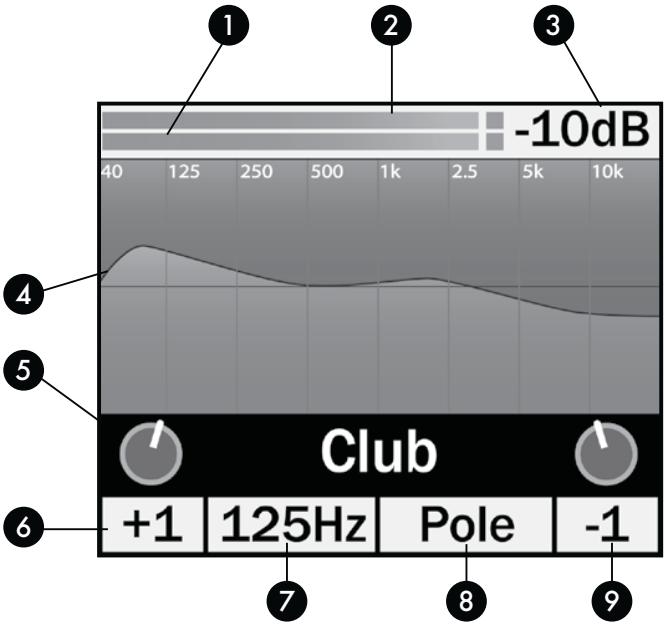
14 LINK IN JACK
Activated only when 12 switch is set to LINK IN.

15 LINK OUT JACK
- Mono: sends out mono audio (see also DI For Stereo master on page 13).
- Stereo Master: sends out audio for second speaker's LINK IN
- Link In: sends out the same audio received at the LINK IN jack

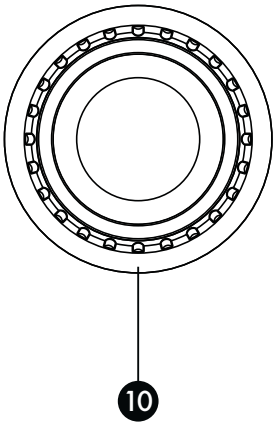
16 FUSE
If the speaker will not power on and you suspect its fuse may have blown, turn off the power switch, and open the fuse compartment using a small flat blade screwdriver. If metal strip in fuse is broken, replace with T6.3 AL/250V type only for 100-120V use, or T3.15 AL/250V type only for 220-240V use.

17 POWER SWITCH
Switches the power on and off.

DSP DISPLAY FEATURES: HOME PAGE



MASTER VOLUME



1 **VOLUME METER**
Displays the current audio output level.

2 **CLIP INDICATORS**
Red indicates clipping: turn down MASTER VOLUME, or CHANNEL knobs for active inputs.

3 **MASTER VOLUME VALUE**
Shows current Master Volume value, as set by MASTER VOLUME knob.

4 **Frequency Curve**
Shows the frequency response resulting from current settings of:
- Voicing
- Bass
- Treble
- Sub Cut
- Location

As you make a change to any of these settings, the curve will show the effect on frequency response.

The curve is flat when all these factory standard initial settings are in use:
- Bass: 0dB
- Treble: 0dB
- Voicing: Standard
- Sub Cut: Off
- Location: Pole

5 **VOICING**
Name of currently active Voicing is shown.
- Standard is the normal tuning of the VARI.

6 **BASS**
Knob graphic and number indicate current BASS knob setting.

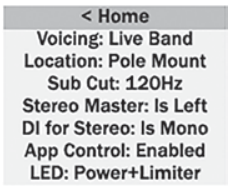
7 **SUB CUT**
Current setting of Sub Cut filter.

8 **LOCATION**
Current setting of Location.
- Pole is the standard location.
- Floor and Wall locations reduce low frequencies, as shown by the frequency curve when one of these locations is active.

9 **TREBLE**
Knob graphic and number indicate current TREBLE knob setting.

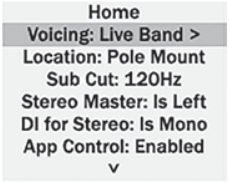
10 **MASTER VOLUME KNOB**
- Turn this knob to set volume from the speaker
- Press knob to access DSP parameters on the display
- Follow instructions on display to adjust DSP (see page 10-14)

MAIN MENU



While Home is highlighted, as it is above, you can press the Master Volume / DSP knob to return to the Home Page.

Or turn the Master Volume / DSP knob to highlight a function, as Voicing is highlighted below, then press the Master Volume / DSP knob to show the control page for the highlighted function.



For example, here is the Select Voicing page:

Turn the Master Volume/DSP knob to set the displayed function. On this page, the Master Volume/DSP knob selects the Voicing.

Most function pages allow you to push the Master Volume/DSP knob to return to the Home Page, as the bottom of this page indicates.

VOICINGS

Voicings tune your VARI for common uses. As you select a voicing on the Select Voicing page, the curve indicates how that voicing effects the VARI 4000 frequency response.

From the Select Voicing page, turning the Master Volume / DSP knob will select from the 10 voicing memories.

- Turning the Bass and Treble will show you their effect on the frequency response of the voicing.
- Turning the Master Volume / DSP knob will load a different voicing and reset Bass and Treble to 0.
- Pressing the Master Volume / DSP knob will exit this page and return to the Home Page.

The first 5 voicings provided from the factory are as follows:

- **Standard:** The default tuning of your VARI, designed to provide a highly accurate full frequency response for general use, with no additional frequency contouring.
- **Club:** Increased low frequencies and reduced highs intended for high volume electronic dance music.
- **Live Band:** Reduced low frequencies and boosted highs intended for main speakers for a band performing to a large audience at high volume.
- **Speech:** Reduced low frequencies and emphasized frequencies in the vocal range, intended for maximum intelligibility of amplified speech with reduced tendency for feedback and rumble.
- **AcoGtr&Vox:** Reduced low frequencies and focused mid frequencies that can enhance acoustic guitars and vocals, and reduce potential for feedback and rumble, when amplifying acoustic guitar and vocals together at high volume.
- **User 1–5:** Each of these 5 memory locations initially provide the same unaltered settings as the Standard tuning, but you can overwrite them with your own customized tunings using the VARI Series App.

You can customize any voicing (including the 5 factory standard voicings) from the free, downloadable VARI Series App for iPhone® and iPad®, available from Apple's iOS App Store.

- Using the app, you can adjust all the bands of EQ that define a voicing, and overwrite any voicings in the VARI's memory with your personalized settings.
- You can then access any of those voicings directly from the VARI's own display at any time.

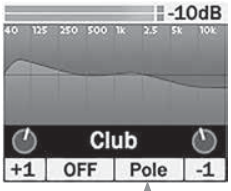
LOCATION
From the Location page, choose the location that matches your physical placement of the VARI.

- Turning the Master Volume / DSP knob will select from the available locations.
- Pressing the Master Volume / DSP knob will exit this page and return to the Home Page.

The locations tune the VARI for these common placements:

- **Pole Mount:** The default location of the VARI, leaving the sound unaltered
- **Floor Monitor:** Reduced low frequencies, to reduce feedback and rumble when the VARI is laid down on its side and used as a "wedge" floor monitor
- **Wall Mount:** Like Floor Monitor, this location reduces low frequencies, to compensate for the bass enhancement that can occur when a speaker is suspended or pole mounted very close to a wall

The curve on the VARI display will show reduced low frequencies when the location is either Floor or Wall.



The currently selected location is shown at the bottom of the Home Page, as Pole is shown in this example.

SUB CUT
The Sub Cut filter blocks low frequencies, and is most often used when operating along with separate subwoofer speakers.

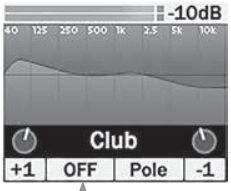
From the Location page, choose the setting of the Sub Cut filter.

- Turning the Master Volume / DSP knob will select from the available settings, showing a red line to indicate the current cutoff point for low frequencies.
- Pressing the Master Volume / DSP knob will exit this page and return to the Home Page.

These values are available:

- **Off:** The sub cut filter is not active, your VARI is providing full frequency range operation.
- **Numerical Settings:** These settings block audio below the selected frequency, using a 4th order Butterworth low cut type filter.

The curve on the VARI display will show cut off low frequencies when the Sub Cut is not off.



The current Sub Cut setting is shown at the bottom of the Home Page, as OFF is shown in this example.

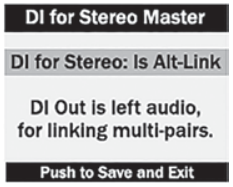
STEREO MASTER
From the Stereo Master page, choose whether this speaker will act as a left or right speaker if operating as Stereo Master.

- Turning the Master Volume / DSP knob will determine how audio will be routed for Smart Stereo operation.
- Pressing the Master Volume / DSP knob will exit this page and return to the Home Page.

This setting only applies when Stereo Master ROUTING LED is lit.

- **Is Left:** When this VARI's physical switch is set to Stereo Master, it will amplify the left audio via its own power amp and speakers, and send right audio to the LINK OUT jack so a linked speaker will amplify right audio.
- **Is Right:** When this VARI's physical switch is set to Stereo Master, it will amplify the right audio via its own power amp and speakers, and send left audio to the LINK OUT jack so a linked speaker will amplify left audio.

DI FOR STEREO MASTER
To run multiple pairs of VARI speakers as a unified Smart Stereo system, the DI for Stereo parameter must be set properly.



- Turning the Master Volume/DSP knob will select how the MIX OUT jack will operate.
- Pressing the Master Volume/DSP knob will exit this page and return to the Home Page.

This setting only applies when Stereo Master ROUTING LED is lit.

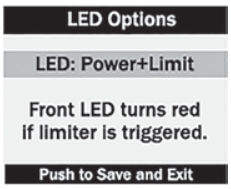
- **Is Mono:** This is the default setting, appropriate for normal use, including when using VARI speakers individually, or when using a single pair of VARI speakers in Smart Stereo. With this setting, the MIX OUT provides mono audio output, appropriate for feeding a separate monitoring system, or an independent subwoofer.
- **Alt-Link:** This setting allows you to operate multiple pairs of VARI speakers as a unified Smart Stereo system. With this setting, the MIX OUT provides the same audio that the Stereo Master speaker is amplifying. For example, if the Stereo Master speaker is set to "Is Left" and "Alt-Link", it will amplify left audio itself, send left audio to the MIX OUT, and send right audio to the LINK OUT. If the Stereo Master speaker is set to "Is Right" and "Alt-Link", it will amplify right audio itself, send right audio to the MIX OUT, and send left audio to the LINK OUT. See Smart Stereo with Multiple V4412/V4415 Pairs on page 8 for example use of this setting.

APP CONTROL ENABLE/DISABLE
From the Enable App Control page, you can enable VARI control for the VARI Series App.

- Turning the Master Volume / DSP knob will enable or disable app control.
- Pressing the Master Volume / DSP knob will exit this page and return to the Home Page.

When app control is enabled, the display will show a 4-digit code, as 0000 is shown above. This code is set to 0000 as a factory default, but can be customized via the app, to prevent others from being able to control this VARI without the correct app code.

LED OPTIONS
From the LED Options page, you can configure VARI's front panel LED.

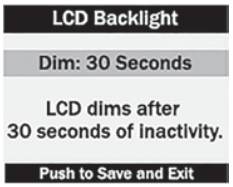


- Turning the Master Volume / DSP knob will choose from the available options.
- Pressing the Master Volume / DSP knob will exit this page and return to the Home Page.

These options are available:
- **Off:** LED will not light.
- **Power Only:** LED will light white when power is on.
- **Power+Limit:** LED will light red when the limiter is triggered, and otherwise will be lit white when the power is on.

The front LED will also light blue during app control.

LCD BACKLIGHT DIMMING
From the LCD Backlight page, you can configure the illumination of VARI's rear panel display.



- Turning the Master Volume / DSP knob will choose from the available options.
- Pressing the Master Volume / DSP knob will exit this page and return to the Home Page.

These options are available:
- **Never:** The display will be lit whenever the VARI is on.
- **30 Seconds:** The display will turn off after 30 seconds of inactivity. Press or turn the Master Volume, Bass or Treble knobs to light the display for 30 seconds.

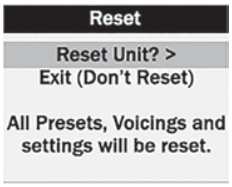
SAVE PRESET
From the Save Preset page, you can save the current VARI settings to one of the 6 preset memories in the VARI.

- Turning the Master Volume / DSP knob will choose from the available preset memories.
- Pressing the Master Volume knob will select that preset memory.
- Completing the save will overwrite (replace) that preset memory, with the current settings for:
  - o Voicing Selection
  - o Location
  - o Sub Cut frequency
  - o Bass knob setting
  - o Treble knob setting
  - o Stereo Master (Left or Right)

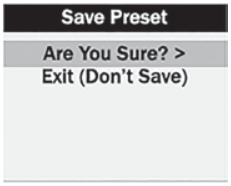
LOAD PRESET
From the Load Preset page, you can load one of the 6 presets stored in the VARI.

- Turning the Master Volume/DSP knob will choose from the available preset memories.
- Pressing the Master Volume knob will load these settings from that preset memory:
  - o Voicing Selection
  - o Location
  - o Sub Cut frequency
  - o Bass knob setting
  - o Treble knob setting
  - o Stereo Master (Is Left or Is Right)

RESET
From the Reset page, you can restore your VARI to its factory standard state.



- Press the Master Volume/DSP knob while "Reset Unit" is selected, to begin the reset.



- Then press the Master Volume / DSP knob again while the "Are You Sure?" message is shown, to complete the reset.

INFO
The Info page shows the firmware version number.

SPECIFICATIONS

HARBINGER VARI Series		V4412	V4415
Amplifier	DSP	Display-accessible parameters and Bass and Treble knobs all control the internal DSP to customize the sound	Display-accessible parameters and Bass and Treble knobs all control the internal DSP to customize the sound
	Limiter	Transparent, dynamic DSP limiter for ideal sound quality and system protection at maximum volume	Transparent, dynamic DSP limiter for ideal sound quality and system protection at maximum volume
	Smart Stereo	A pair of speakers can be connected for unified volume and tone control from the first master speaker, with optimal distribution of mono and stereo audio signals between both speakers	A pair of speakers can be connected for unified volume and tone control from the first master speaker, with optimal distribution of mono and stereo audio signals between both speakers
	Input 1	XLR and 1/4-inch TRS balanced/unbalanced compatible audio input with Mic/Guitar/Line Switch and Input Gain Control	XLR and 1/4-inch TRS balanced/unbalanced compatible audio input with Mic/Guitar/Line Switch and Input Gain Control
	Input 2	XLR and 1/4-inch TRS balanced/unbalanced compatible audio input with Mic/Guitar/Line Switch and Input Gain Control	TXLR and 1/4-inch TRS balanced/unbalanced compatible audio input with Mic/Guitar/Line Switch and Input Gain Control

SPECIFICATIONS CONTINUED

HARBINGER VARI Series		V4412	V4415
Amplifier Continued	Input 3	Stereo Line: Left/mono and right 1/4-inch TRS balanced/unbalanced compatible audio line inputs Aux: 1/8-inch mini TRS unbalanced input (-10dB) Bluetooth Audio: with On/Pair and Off buttons plus LED	Stereo Line: Left/mono and right 1/4-inch TRS balanced/ unbalanced compatible audio line inputs Aux: 1/8-inch mini TRS unbalanced input (-10dB) Bluetooth Audio: with On/Pair and Off buttons plus LED
	Link In	XLR balanced +4dBv audio input	XLR balanced +4dBv audio input
	Out Jack	XLR balanced +4dBv audio output	XLR balanced +4dBv audio output
	Power Output	2500 Watts Peak	2500 Watts Peak
	Bass EQ Knob	+/-12dB Peaking Filter at 65Hz	+/-12dB Peaking Filter at 65Hz
	Treble EQ Knob	+/-12dB Shelf at 6.5kHz	+/-12dB Shelf at 6.5kHz
	Volume	Volume control per channel	Volume control per channel
	Power Input	100-120V, 220-240V, 50-60Hz	100-120V, 220-240V, 50-60Hz
	Features	Removable AC Power Cord Front LED, configurable to indicate power or power/ limiter, also indicates app connection Color LCD display for DSP control	Removable AC Power Cord Front LED, configurable to indicate power or power/limiter, also indicates app connection Color LCD display for DSP control
Speaker	Type	12˝ 2-way vented design	15˝ 2-way vented design
	Frequency Response	35-22K Hz	35-22K Hz
	Max SPL@1M	129 dB	130dB
	HF Driver	Compression Driver, 8 Ohm, XR Transducer Technology	Compression Driver, 8 Ohm, XR Transducer Technology
	LF Driver	12˝ Driver, 4 Ohm, XR Transducer Technology	15˝ Driver, 4 Ohm, XR Transducer Technology
	Cabinet	Polypropolene, with rubber surfaced handles and feet	Polypropolene, with rubber surfaced handles and feet
	Grille	1.2mm steel	1.2mm steel
	Suspension Points	3 x M10 Suspension Points	3 x M10 Suspension Points
	Pole Mount	35mm stand pole with M6 screw	35mm stand pole with M6 screw
	Product Dimensions	14.2″ x 14.2″ x 24.1″	16.5″ x 15.0″ x 27.1″
Dimensions and Weights	Packaging Size	18.1″ x 18.1″ x 28.1″	20.1″ x 19.5″ x 31.1″
	Net Weight	42 pounds	48 pounds
	Gross Weight	49 pounds	57 pounds

IMPORTANT SAFETY INSTRUCTIONS

Please keep this instruction manual for future reference and for the duration of owning the VARI powered loudspeaker. Please carefully read and understand the instructions inside this owner's manual before attempting to operate your new powered loudspeaker.

This instruction manual includes essential safety information regarding the use and maintenance of the amplifier. Take special care to heed all warning symbols and signs inside this manual and those printed on the amplifier on the back of the loudspeaker.

WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THE AMPLIFIER TO WATER/MOISTURE, NOR SHOULD YOU OPERATE THE AMPLIFIER NEAR ANY WATER SOURCE.

The exclamation point triangular symbol is intended to alert the user to the presence of important operating and maintenance(servicing) instructions in the user manual accompanying the Amplifier.

The lightning flash with an arrow triangular symbol is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure, and may be of sufficient magnitude to constitute a risk of electric shock.

WARNING

Handle the power supply cord with care.

Do not damage or deform it as it may cause electric shock or malfunction when used. Hold the plug attachment when removing from wall outlet. Do not pull on the power cord.

IMPORTANT SAFETY PRECAUTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all Instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. DO NOT turn on the VARI amplifier module before connecting all other external devices.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce 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 is 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 from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachment/accessories specified by the manufacturer.
12. Use only 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 the 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. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. POWER SOURCES – This product should be operated only from the type of power source indicated on the rating label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.
16. WALL OR CEILING MOUNTING – The product should never be mounted to a wall or ceiling.
17. Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
18. OBJECT AND LIQUID ENTRY – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
19. Water and Moisture: This product should be kept away from direct contact with liquids. The 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.
20. Keep the speaker system out of extended or intense direct sun light.
21. No containers filled with any type of liquid should be placed on or near the speaker system.
22. SERVICING – The user should not attempt any service to the speaker and/or amplifier beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.
23. VENTILATION – Slots and openings in the amplifier are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack.
24. Protective earthing terminal: The apparatus should be connected to a main socket outlet with a protective earthing connection.

25. ACCESSORIES – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product.
26. When moving or not using the appliance, secure the power cord (e.g., wrap it with a cable tie). Be careful not to damage the power cord. Before using it again, make sure the power cord has not been damaged. If the power cord has been damaged at all, bring the unit and cord to a qualified service technician for repair or replacement as specified by the manufacturer.
27. LIGHTNING – For added protection during a lightning storm, 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.
28. REPLACEMENT PARTS – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

HARBINGER

IMPORTANT SAFETY INSTRUCTIONS

To prevent electric shock, do not use a polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

AVIS
RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

CAUTION: To reduce the risk of electric shock, do not remove chassis. No user-serviceable parts inside. Refer servicing to qualified service personnel.

AVERTISEEMENT: Pour réduire les risques d'incendie et d'électrocution, ne pas exposer ce matérial à la pluie ou à l'humidité.

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.

HEARING DAMAGE AND PROLONGED EXPOSURE TO EXCESSIVE SPLs

Harbinger VARI Series powered loudspeakers are capable of producing extremely loud volume levels that can cause permanent hearing damage to performers, production crews or the audience. Hearing protection is recommended during long-term exposure to high SPLs (sound pressure levels).

Remember, if it hurts, it is definitely too loud! Long term exposure to high SPLs first causes temporary threshold shifts; limiting your ability to hear the actual loudness and exercise good judgment. Repeated long term exposure to high SPLs will cause permanent hearing loss.

Please note the recommended exposure limits in the accompanying table. More information about these limits is available on the US government Occupational Safety and Health (OSHA) website at: www.osha.gov.

Permissible Noise Exposures (1)

Duration per day, hours	Sound level dBA slow response
8	90
6	92
4	95
3	97
2	100
1.5	102
1	105
0.5	110
0.25 or less	115

FCC STATEMENTS

1. Caution: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generate, uses, and can radiate radio frequency energy and , in not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
   - Reorient or relocate the receiving antenna
   - Increase the separation between the equipment and receiver
   - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
   - Consult the dealer or an experienced radio/TV technician for help

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

WARRANTY/CUSTOMER SUPPORT

2 YEAR HARBINGER LIMITED WARRANTY

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

For warranty support, please visit our website at **www.HarbingerProAudio.com**, or contact our Support Team at **888-286-1809** for assistance. Harbinger will repair or replace the unit at Harbinger's discretion.

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 has 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 limitation 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.

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

All trademarks and registered trademarks mentioned herein are recognized as the property of their respective holders.

HAVE QUESTIONS?

MISSING OR DAMAGED PARTS?

CALL 888-286-1809 TOLL FREE

HAVE ASSEMBLY QUESTIONS?

OR VISIT OUR WEBSITE AT: HARBINGERPROAUDIO.COM

Notice

FCC compliance information statement
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1)This device may not cause harmful interference.
(2)This device must accept any interference received, including interference that may cause undesired operation.
Caution: Any changes or modi?cations not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment o? and on, the user is encouraged to try to correct the interference by one or more of the following measures:
(1)Reorient or relocate the receiving antenna.
(2)Increase the separation between the equipment and receiver.
(3)Connect the equipment into an outlet on a circuit di?erent from that to which the receiver is connected.
(4)Consult the dealer or an experienced radio/TV technician for help.

Radio Frequency Exposure Statement
The device has been evaluated to meet general RF exposure requirements. The device can be used in fixed/mobile exposure condition.

The min separation distance is 20cm.

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1908-18332004