



## HH VRC-210 Full Range Enclosures with Detachable Mixer User Manual

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## INTRODUCTION

The HH VRC-210 is designed to be an all-in-one audio solution for a wide variety of everyday applications – from classroom, dance studio to a business seminar or any kind of musical performance.

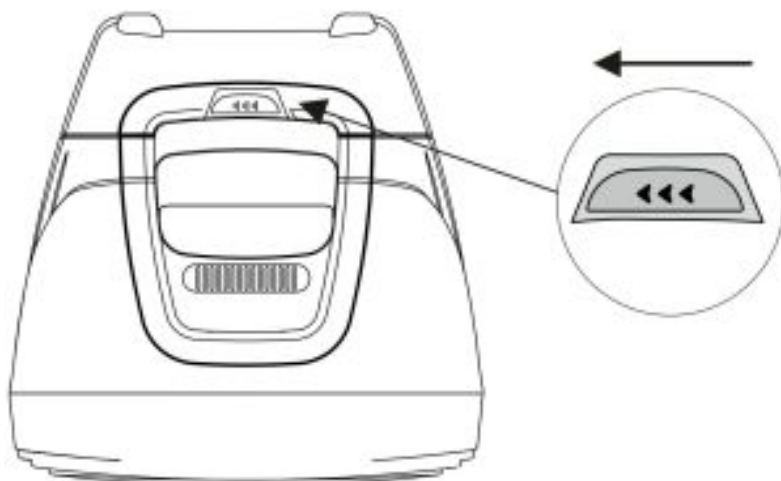
The VRC-210 gives you all the ease and convenience of everything you need to get the job done with the minimum of fuss. Its sleek detachable mixer module offers a wide selection of inputs/outputs including a Bluetooth® equipped media player. The pair of speaker leads and power cord that are supplied, are all housed in their own neat clip off module. Both enclosures include handles and 35mm pole sockets.

The HH System VRC-210 – Clarity and Convenience.

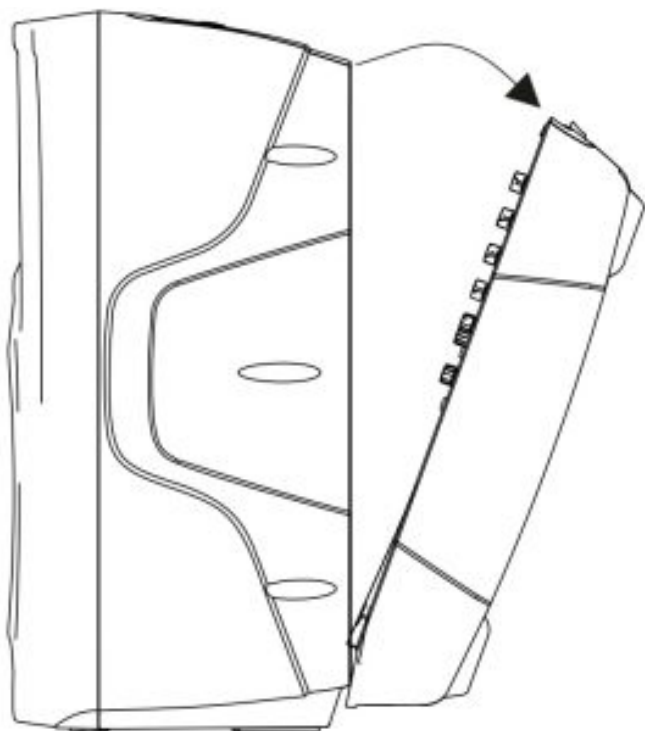
This manual contains important information regarding correct and safe operation of your active system. Please read it thoroughly in order to get the best performance and reliability from your new HH product.

## ACCESS TO THE MIXER AND ACCESSORY BOX

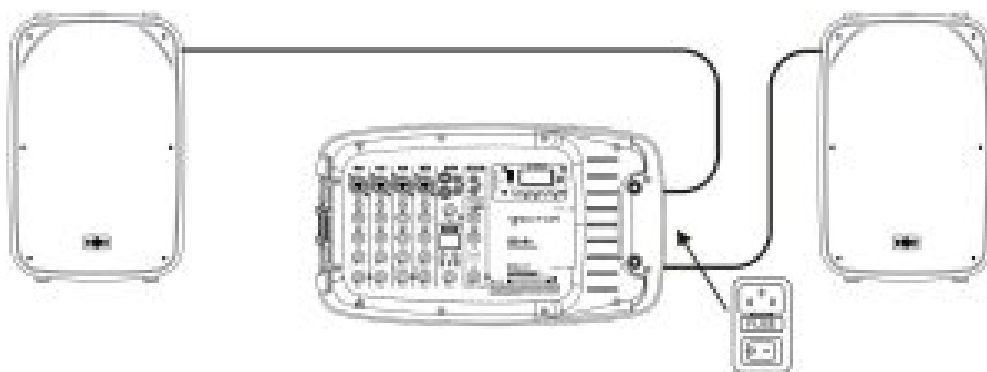
- Slide the catch to the left as indicated.



- Gently tilt the mixer/accessory box then unhook from the cab.



## POWER AND SPEAKER CONNECTIONS



The mains inlet, power switch and fuse are located to the right of the mixer.

### PLEASE NOTE:

**The accepted input voltage range is preset to:**

100-110V~ 50/60Hz or 200-240V~ 50/60Hz.

This cannot be changed by the user 100-110V~ 50/60Hz T3.15A L 250V .  
Only replace the fuse with the type stated!

**Always switch off and disconnect the power cord when not in use.**

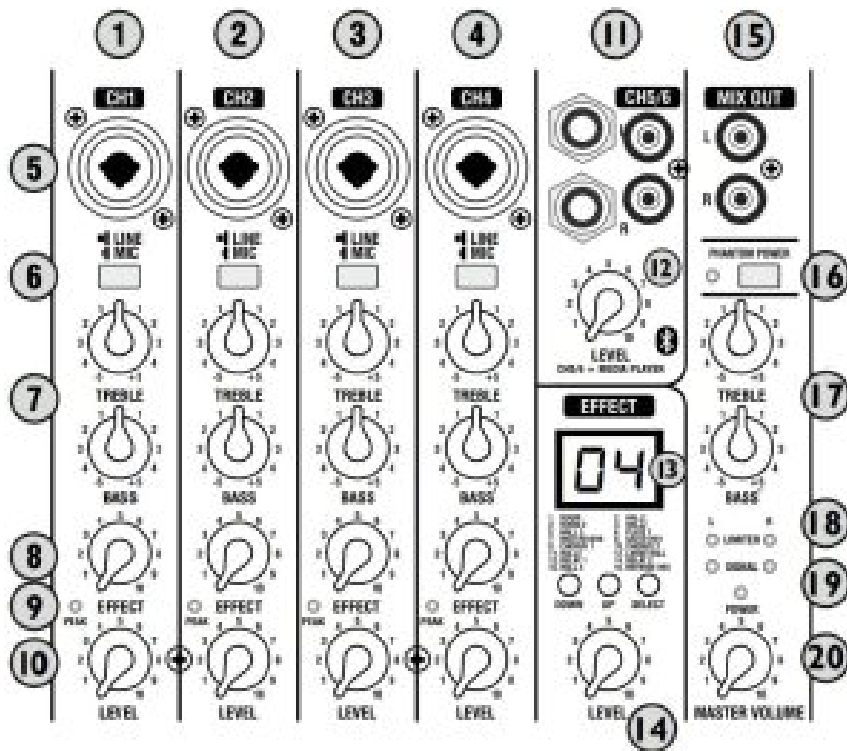
### SUPPLY VOLTAGE AND FUSE RATING:

- 220-240V~ 50/60Hz T3.15A L 250
- MAXIMUM POWER CONSUMPTION – 300 WATTS

### SUPPLY VOLTAGE AND FUSE RATING:

- 100-110V~ 50/60Hz T3.15A L 250V
- MAXIMUM POWER CONSUMPTION – 300 WATTS

## USER INTERFACE



## AVAILABLE ONBOARD EFFECTS:

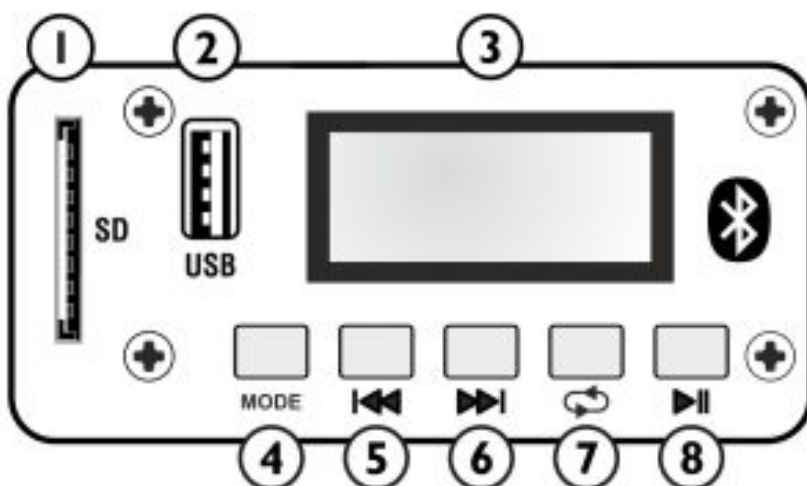
1. ROOM
2. HALL 1
3. ROOM 2
4. HALL 2
5. HALL 3
6. PLATE 1
7. MOD REVERB
8. GATED REVERB
9. CHORUS 1
10. CHORUS 2
11. HALL 4
12. LARGE HALL
13. DELAY 1
14. DELAY 2
15. HALL 5
16. REVERSE REVERB

- **1-4: MONO INPUT CHANNELS**
- **COMBI INPUT:** For use with both low level/low impedance devices eg.- mic (200-600ohms), electro-acoustic guitar or line level devices. This input will accept a balanced/ unbalanced signal via XLR, or 6.35mm jack plug.

- **MIC/LINE SELECTION:** Provides the correct internal gain structure for your connected device. The switch is 'IN' for Mic level devices and 'OUT' for line level devices.
- **EQ:** 2 band active EQ for tonal correction of the signal. Setting both controls to 0 is a good starting point.
- **FX SEND:** This control determines how much (if any) of each channel is sent through the onboard FX processor – also see (13).
- **PEAK:** Adjust the level controls and signal level from your source(s) so the LED illuminates only briefly on peaks in the music. Using the system with this LED on all or most of the time will result in poor sound quality.
- **LEVEL:** Controls the channel level to the master volume – also see (20).
- **CH 5/6:** A multi input line level Stereo channel. Choose from 2x 6.35mm jack, or left/right RCA inputs. Any combination, or all can be used together.
- **LEVEL:** Control the level of signal from channel 5/6 and a Bluetooth device if connected.
- **FX PROCESSOR:** Containing 16 high quality effects, this processor adds the professional touch to your signal chain.  
The required effect is chosen using the DOWN/UP buttons and confirmed using the SELECT button.
- **Master FX level:** This control allows for quick overall adjustment of the FX level without having to individually adjust the Input FX sent control (8).
- **MIX OUT:** A convenient way of connecting your VRC-210 to another device such as an additional amp/speaker setup or recording device.
- **PHANTOM POWER:** Turns on Phantom Power to all Mic channels should it be needed. Please note that the Phantom will only be applied to the XLR of the Combi inputs.  
Phantom power should only be used with condenser mic's.
- **MASTER EQ:** 2 band active EQ for adjusting the signal. Setting both controls to 0 is a good starting point.
- **LIMITER LED:** This will illuminate when the Limiter is active. The limiter will protect the output stage from potential overload.
- **POWER LED:** This will illuminate when the unit is powered up
- **MASTER VOLUME:** Controls the overall level of your VRC-210 system.

## MEDIA PLAYER

Use the onboard player for playing Mp3 encoded audio tracks from Micro SD card/USB Stick or Bluetooth device. The media player is automatically powered up when the amplifier is switched on.



1. **SD CARD SLOT:** Insert your Micro SD card here.

(Automatically detected on insertion,or if removed & reinserted uses smart technology to resume play from the previous point).

2. **MEMORY STICK SLOT:** Connect your USB thumbdrive here.

(Automatically detected on insertion,or if removed & reinserted uses smart technology to resume play from the previous point).

**NOTE:** The Media Player will play the music tracks on a USB Stick/Micro SD Card in alphabetical /numerical order

**NOTE:** The USB socket is for the playback of recorded tracks only,not for charging a USB device.

3. **DISPLAY SCREEN**

4. **MODE:** Use this to toggle the Media input source between SD/USB and Bluetooth.

Micro SD card,USB Stick – auto detected upon insertion – if a Micro SD Card is inserted while a USB thumb drive is already connected, the Micro SC will become the 'live' audio source.

5. **PREVIOUS:** Press to skip to the preceding track.

6. **NEXT:** Press to skip to the next track.

7. **LOOP:** Use this to enable/disable the looped playback modes. When using this button with an SD card or USB thumb drive,there are 3 options:

**ALL** – Plays all the tracks on the root of the device in date order,then the sub folders.

**ONE-** Plays one track repeatedly (cycle to the required track to play using NEXTbutton (8)).

**FOD-** Plays all track in the current active folder

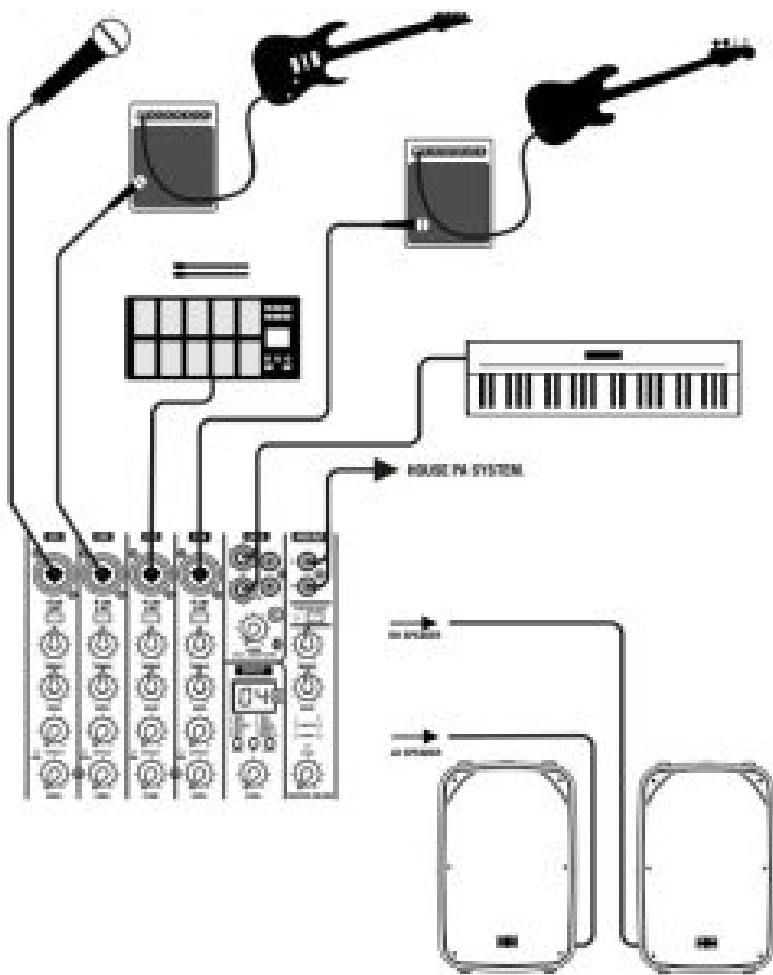
8. **PLAY/PAUSE:** Use this control to play or pause your music.

**CONNECT TO AN EXTERNAL BLUETOOTH DEVICE:**

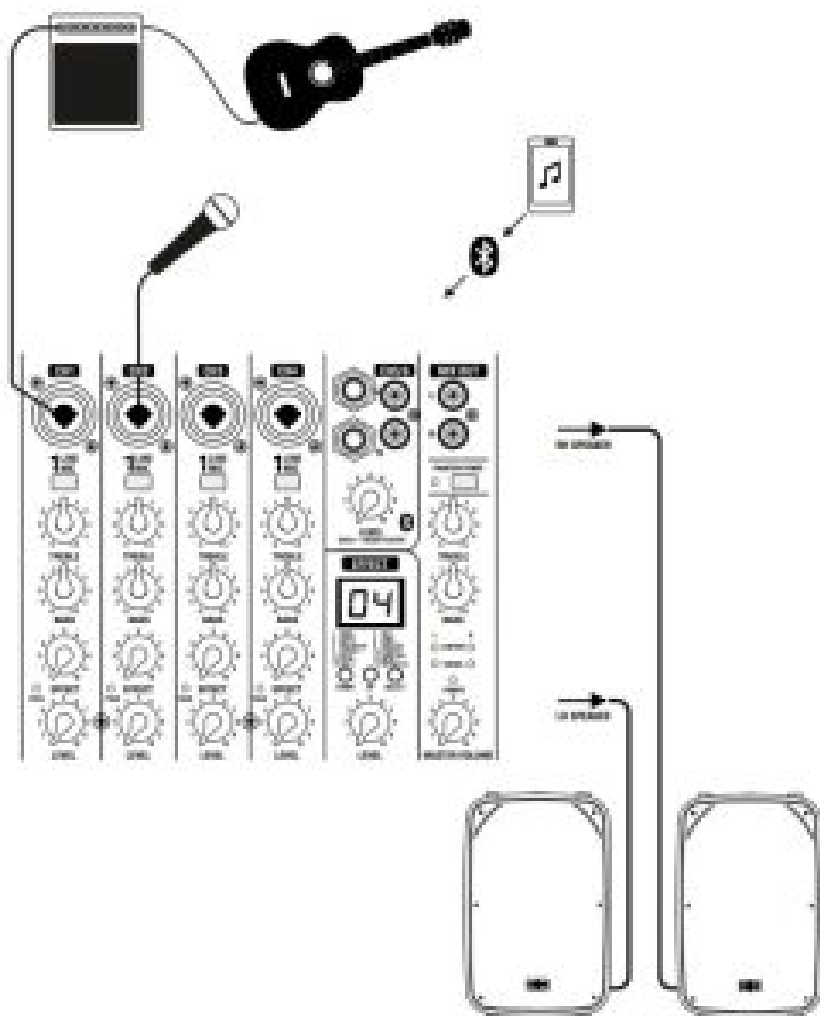
- Select Bluetooth via the MODE button (4).
- On your Bluetooth capable device,make sure Bluetooth is enabled.Scan down the list of available devices – search for: '**HH VECTOR**' and select. No password required.
- Your HH Vector is now connected to your Bluetooth device and can be controlled using the **PLAY/PAUSE, PREVIOUS,NEXT & LOOP BUTTONS.**

Only one VRC-210 can be paired to your Bluetooth capable device at once,so remember to de-select if you plan to use a different VRC-210 device next time.

**STAGE PERFORMANCE**



## SOLO PERFORMANCE



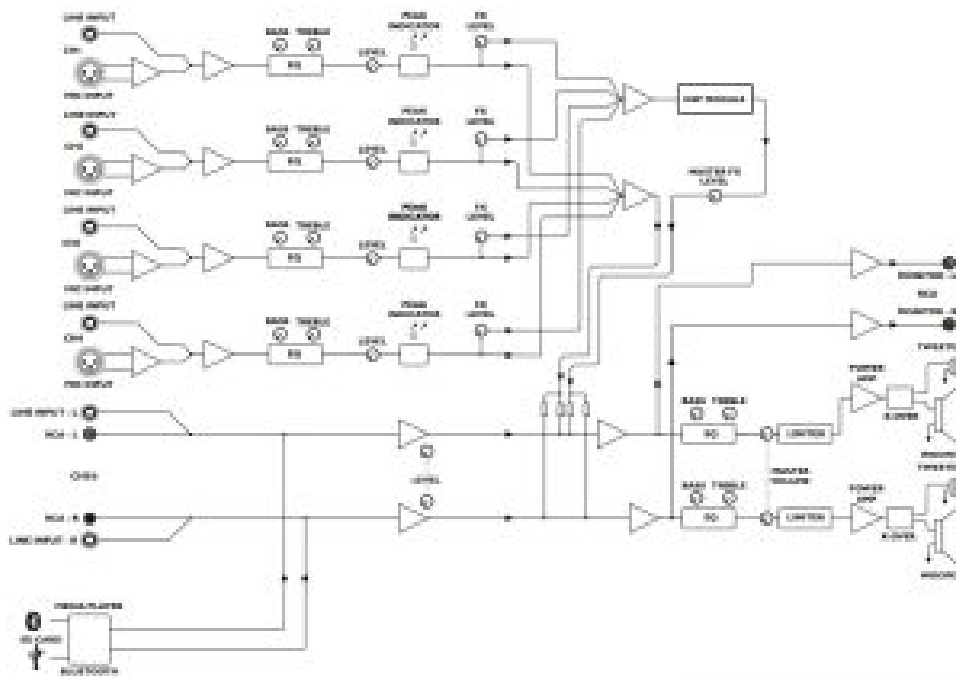
## SPECIFICATION

Power Rating	2x 500W Peak
Amplifier Type	Class D
Power Supply	SMPS (100-120 or 220-240 fixed)
Power Consumption	300W (Maximum)
<b>Features</b>	
Inputs	4x balanced Combi XLR/Jack with mic/line switch, 2x 6.3mm single ended jack inputs, 2x RCA inputs, Media player with Bluetooth 5.0, USB and SD card
Outputs	RCA mix out. 2x 6.3mm Jack speaker outputs



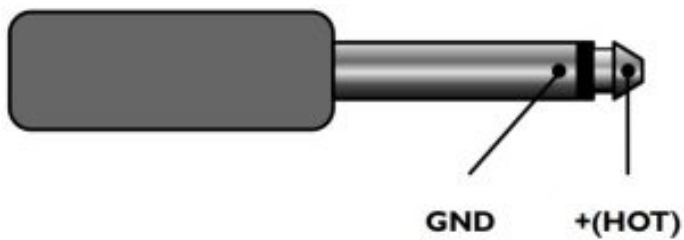
Controls	CH1-4 gain, 2 band eq, effect send, mic/line switch, CH5-6 gain, Master 16 digital effect section with level, Master 2 band eq, master volume, Phantom power.
<b>Speaker</b>	
HF Driver	1" Compression Driver
LF Driver	10" Woofer
Coverage	90°H X 40°V
<b>Enclosure</b>	
Cabinet	Robust polypropylene cabinet with carry handle
Finish	Black
Grille	Powdercoated steel
Other	35mm Distance Pole Socket
Unit dimensions (HWD)	49 x 31.5 x 31.2 CM 19.3" x 12.4" x 12.3"
Unit weight	18.7Kg, 41.2 lbs
Carton dimensions (HWD)	55.5 x 63.5 x 36.5 CM 21.9" x 25" x 14.4" , 0.129 M3
Packed weight	19.5Kg, 43 lbs
EAN Code	5060109456738

## BLOCK DIAGRAM

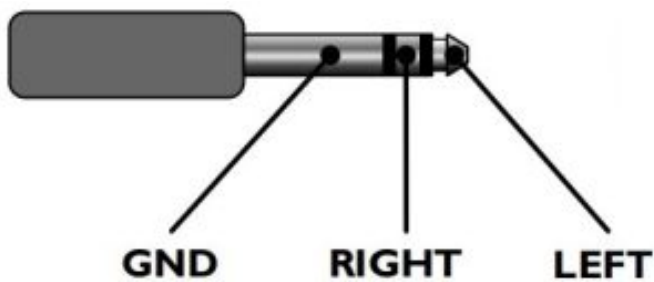


## CONNECTOR WIRING

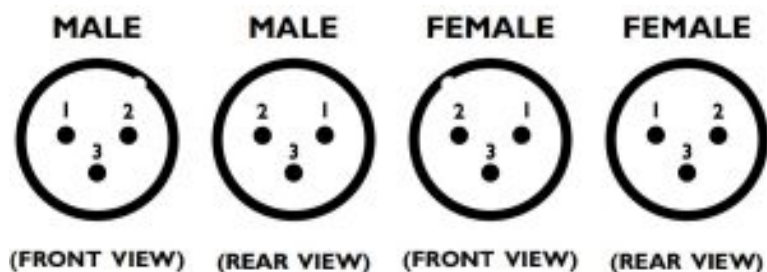
### • 6.35MM UNBALANCED JACK



### • 3.5MM STEREO JACK



1. GROUND
2. HOT
3. COLD



## UNPACKING

Inspect the product during unpacking, if any damage is found, notify the dealer you purchased it from immediately. Be sure to save the carton and all packaging materials.

Should you ever need to return the unit back to the dealer use only the original factory packing. Pack all cables neatly, use cable ties to tidy excess cable length in 'figure-8' not loops.

## BASIC SETUP

HH VRE cabs can be mounted on the floor, or a suitable pole or tripod. Don't overextend poles/tripods; ensure at least 4 x the pole diameter is still inside the outer pole. Make sure the legs have a good splay on tripods, but do not obstruct doorways or other access-ways.

If a pole mount is used, make sure that the thumb screw on the cabinet is tight.

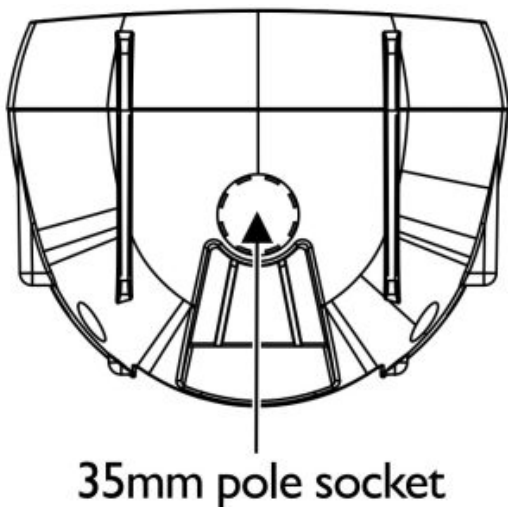
## SWITCHING OFF

After using the amplifier, please adjust the gain controls to their lowest settings, then the amplifier can be turned off safely. Turn the power switch to the OFF position and remove the power cord from the electrical source.

### NOTE:

Do not connect or disconnect from the input signal source when the amplifier is turned ON, damage could occur to the amplifier and the speaker.


- 35mm pole socket



- (Stand not included)



## Documents / Resources

 <small>ACTIVE SPEAKER SYSTEMS</small> <b>VECTOR</b> VRC-210 <small>FULL RANGE ENCLOSURES WITH A DETACHABLE MIXER</small>  <small>USER MANUAL</small>	<a href="#">HH VRC-210 Full Range Enclosures with Detachable Mixer</a> [pdf] User Manual VRC-210, Full Range Enclosures with Detachable Mixer
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## References

- [hhelectronics.com](https://www.hhelectronics.com)