

Owner's Manual



High Dynamic Range (HDR)

15" Active Speaker

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by **[H]ardBASS**

200 Schermerhorn Street, Brooklyn, NY 11201

www.hardbass.audio

Congratulations!

Congratulations on your purchase of the new HDR 15" Active Speaker!



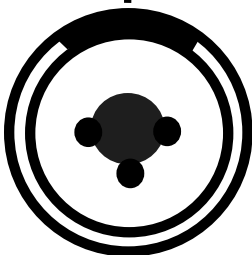
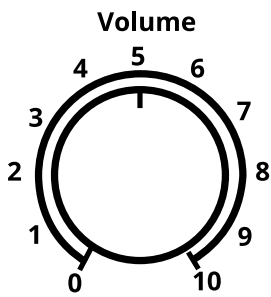
HDR stands for **High Dynamic Range (HDR)**.

Dynamic Range refers to the ability of a speaker to respond when the musical content demands a drastic increase in SPL output without any loss in quality.

Traditional Loudspeakers often "Clip" or distort under pressure. This is because they have a very limited dynamic range.

HDR Loudspeakers, however, deliver smooth, controlled response with a pleasurable increase in SPL.

Input Connections



IN1

The HDR has a two input connections, IN1 and IN2

Note the Mic and Line switch on each input.

Set switch to Line (button upwards) if using a Mixer, DJ Controller, CD player, Laptop, smartphone, etc.



Set switch to Mic (button downwards) **only** if plugging a microphone directly into the input.



These are Combo Jacks. Both XLR and 1/4" jacks can fit here.

Setting Gains

Correctly set gains will give you the best sound and reliability from your equipment.

A "quick start" guide to setting gain structure:

1. Set your source device (laptop, mixer, DJ controller, etc) to about halfway volume. This allows headroom for greater dynamic range and prevents clipping.
2. Observe all LED signal indicators. Keep your levels at the mixer "in the green", and never ever reaching into the red lights.

POWER ○ **SIGNAL** ○ **LIMITER** ○

This speaker has a green light **SIGNAL** indicator. This light should flash green when signal is coming in.

This speaker also has a red-light **LIMITER** indicator. If this red-light is blinking, immediately lower your volume.

If the red-light indicator is blinking, you are at risk of damaging the loudspeaker. Such damage is not covered under warranty. Please lower the volume.

Power Requirements

Ensure that your AC Mains power outlet can supply the required power for this loudspeaker. If in doubt, please consult a qualified electrician.

Damage caused by fluctuations in AC Mains power, low voltages, or other issue with electrical supply is not covered under warranty.

Note that use of multiple HDR loudspeakers, or in combination with a subwoofer, will increase the power requirement from your AC Mains.

Bluetooth Audio

The HDR is equipped with a Bluetooth Audio player.



To pair with this speaker:

1. Lower the music volume on your bluetooth device.
2. Press the **Pair** button on the HDR. The **Status** light will blink rapidly.
3. On your Bluetooth device, pair with this speaker. Our company ID is "HardBASS."
4. Once paired, the **status** light stays on.

Now open your bluetooth device's music player and start a track. Ensure that the music volume is set very low on your device.

Bluetooth volume is controlled by your device.

Do not raise volume to high levels. If the **Limiter** red-light blinks, lower volume.

To cancel pairing, hold Pair button for 2-3 seconds.

Built-in DSP Presets

MAIN

Balanced equalization ideal for use as the main speaker system in Live events.

MUSIC

Boosted Treble and BASS for use by DJ's or for recreational use.

80Hz HP (High Pass)

Removes very low-frequency signals (under 80Hz).

SPEECH

Optimizes frequency response for Vocal programmes.

MONITOR

Optimizes frequency response for use as a Monitor.