Science Amplification Impulse Responses

Thanks for downloading our impulses – may they provide you with hours of tone-tweaking fun. Without getting into the details of impulse responses (most of you downloading these will be familiar with their use), I wanted to add a few notes, which may be helpful in making sense of the files and getting the best tones possible.

Use:

These files can be used in conjunction with your amp, reactive loadbox, recording interface, DAW, and impulse-loader plugin* in place of a speaker cabinet and microphone. Great for recording, practicing with headphones/monitors, or virtually demoing/comparing Science speaker cabinets (at least their mic'd tones).

**including dreaded amp simulators*

Files:

Files are organized by cabinet, speaker, mic, and position. Positions start at the center of the speaker "0.0in" and move outward in 0.5in increments for guitar cabs, and 1in increments for bass cabs.*

Mic Position:

As the mic moves outward form the center, you will notice the tone get darker with less treble. Typically, the more overdrive/distortion used, a placement further from the center is preferred to reduce harsh harmonics present at the center of the speaker. This varies with speaker and microphone type, so experimentation is best. Generally, placements past 2.00" are used for very dark sounds or blending with other mic impulses. All impulses were "close-mic'd," captured at one 1in distance from the speaker cone.

Blending:

Just like using real mics, IRs can be blended as long as your IR-loader plugin allows it (most do). All the included IR's are minimum phase-aligned and can be blended without phase issues. On the 2x15 ported cab, a capture of the port itself is included, and if desired can be blended to taste to achieve a more realistic ported cab sound.

**Generally, bass speakers have less top end, and are less sensitive to smaller incremental mic changes.*