OwnHammer

Guitar Cabinet Essentials

File Format Information

OwnHammer Essentials libraries contain impulse response (IR) files in wave audio (.wav) format for use in any convolution reverb loader, be it plug-ins in DAW based hosts or external hardware devices/modelers. These files are formatted in 44.1 kHz, 48 kHz, 88.2 kHz, and 96 kHz sample rates, with all subsequent files universally provided in mono channel count, 24-bit depth, and 208 ms in length.

All files have been minimum phase transformed, which is a mathematical process that allows for impulse responses to be universally time, phase, and polarity aligned, no matter the source. To this end, these IR's can be used in parallel alongside any IR that has also been minimum phase transformed.

WHICH FILES TO USE

When using impulse response files in recording software or standalone applications, it is often best to select the sample rate that matches the selected sample rate of the session or audio card/device settings respectively. This can save on resource utilization or severe processing artifacts if the loading platform the files are imported into does not have automated real time sample rate conversion to correct for such manual errors.

For loading IR's into OEM hardware/modeling platforms, it is best to check their provided documentation to discover their native operating sample rate, or if they directly recommend the use of a specific sample rate in their IR loading/file import procedures. While OwnHammer is not responsible for providing this information for non-OwnHammer products, a list of sample rate recommendations for known devices can be found at:

ownhammer.com/tutorials/file-formats