IK Multimedia AI Machine Modeling

IK Multimedia announces AI Machine Modeling, a new technology from the makers of AmpliTube, the world's most popular amp and FX sim. For the first time, using artificial intelligence, Machine Modeling software enables guitar and bass players, without any custom hardware, to model the sound of any amp, cabinet or combo, plus pedals like distortion, overdrive, fuzz, EQ or boost, all with a new level of accuracy that's virtually indistinguishable from the real thing. IK's powerful machine learning neural network captures the rig's tone in just minutes using real guitar signals, not just test tones, for a level of authenticity unimaginable until now.

Users simply route IK's special guitar/bass capture track through their setup to record the sound of any rig or piece of gear and then feed it into the Machine Modeling's deep neural network software together with the original DI track. The AI Machine Modeling software will compare the DI and wet signals to generate an exact algorithm of the modeled rig in minutes.

The result is called a "Tone Model," a hyper-realistic, dynamic software clone of the rig or gear. Tone Models reproduce every nuance of an amp or pedal in precise detail with technology so advanced that even an amp and cabinet can be modeled together, then the two virtually separated to try other cabinets. The algorithm can even capture an entire rig including harmonically complex fuzz, overdrive or other distortion pedals in front of an amp. And users can create all of these with just a computer, audio interface and reamplification box.

Creating a Tone Model is easy and requires only a few pieces of standard recording equipment in addition to a modern computer. An audio interface like IK's AXE I/O with its dedicated Amp Out is ideal for users to create Tone Models using a mic and no additional hardware. Or any regular 2 input/output audio interface and reamplification box can be used to capture amps, combos, and pedals.

Optional equipment for Tone Modeling without microphones includes a reamplification box to connect an amp/pedal rig to an interface, and/or an attenuator/load box to connect a power amp directly to an audio interface. And that's it. AI Machine Modeling software does the rest.

www.amplitube.com
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