

THETA PRO DSP

GUITAR PREAMP / EFFECT PROCESSOR



ISP Technologies ThetaPro DSP™ is a Floor controlled guitar system with a fully programmable digital Theta preamp, Vintage preamp plus Studio quality effects processing now with a built in full function precision tuner. While the buzz for many years has been “Modeling”, ISP takes a departure from the modeling processors and hands the guitar player the audio clay. The truly PRO player wants their own sound and the ThetaPro DSP delivers, allowing you to shape your tone with limitless possibilities. The preamp section delivers more tone shaping and gain flexibility than any other processor available. Don’t settle for bass mid and treble when you can have the world of Theta. The ISP engineering team continues a DSP legacy with the original designers of the Intellifex®, Chameleon®, Voodoo Valve® and Prophecy® working to make the ThetaPro DSP the ultimate guitar DSP processor. The ThetaPro is based on ISP Technologies new DSP platform using a 32 bit floating point processor and the latest generation of high quality audio converters. Using novel stacked converters the input noise floor feeding the digital domain exceeds over 124db. This amazing input dynamic range combined with over 1500db internal DSP dynamic range, due to the floating point architecture, and ISP’s proprietary oversampled clipping algorithm, make the ThetaPro the only digital domain preamp that can offer massive amounts of usable gain (more than any DSP processor available) without aliasing or noise. The ThetaPro allows preamp adjustment of tone, gain, saturation and dynamic modulation in the form of “SAG” to emulate the dynamic aspects of vintage tube amplifiers, which provides the actual feel of vintage guitar amps with tube rectifiers. The ThetaPro DSP is not only the best high gain digital preamp, but also offers stunning performance for any playing style from clean to jazz to blues to classic rock.

Fully programmable, with a DSP software implementation of the ISP Technologies Theta Preamp, provide the ThetaPro super high gain and zero aliasing typical in other digital preamps. The available processing power provides additional enhancement for the Decimator Time Vector Processing algorithm for silky smooth sustained note decay and super fast staccato tracking. The ThetaPro has a full pre distort tone section with adjustable bass and bass corner frequency, two full parametric swept mid bands plus treble with an adjustable corner frequency. Select Vintage or THETA preamp, add SAG if you’re looking for dynamic feel, and then adjust post distort tone with another full complement of EQ including adjustable bass, bass corner frequency, two full parametric swept mid bands plus treble again with an adjustable corner frequency. The Vintage preamp lets you dial in any of the classic sounds you would like to add to your sound library. The ThetaPro DSP has stereo outputs for your stage rig, letting you drive a power amp and typical guitar cabinets, plus balanced XLR outputs with selectable TRUE SPEAKER™ digital guitar speaker cabinet and a headphone output also with TRUE SPEAKER. ISP’s ground breaking TRUE SPEAKER is a departure from typical speaker simulated outputs, which provide a simple filter response. ISP’s TRUE SPEAKER provides convolved speaker outputs providing the actual time domain and frequency response aspects of vintage speakers including adjustable microphone placement. With TRUE SPEAKER, the ThetaPro DSP is the ultimate direct recording guitar system with the total realism of several different styles of guitar speaker cabinets and a microphone. TRUE SPEAKER captures the sonic magic of a classic guitar cabinet transduced in air with a microphone in from of the cabinet. Previous attempts to provide a speaker simulated output simply did not duplicate an actual guitar cabinet recorded with a microphone.

Also included is a library of studio quality 32 bit floating point digital effects including wha wha, compressor, multistage stereo phaser, stereo flanger, four voice chorus, pitch shifter, stereo rotary speaker (leslie) 1300 millisecond delay, ping-pong delay and a stunning studio reverb with multiple selectable parameters. Instant access to your effects allows you to switch your individual effects on or off within any of your programmed and stored presets plus a MIDI dump / load for archiving your data. Rear panel inputs for an external expression pedal map able to countless parameters for on the fly control is also included plus a dedicated input for volume pedal. The ThetaPro DSP provides triple encoders for easy programmability plus 224 user programmable presets for user sound library storage and also includes a SONG mode with 124 songs to arrange your patches into songs in live performances. The ThetaPro DSP is designed and manufactured in the USA and is covered under US Patents 6,944,305 and 7,532,730.

NOTE: (Intellifex®, Chameleon®, Voodoo Valve® and Prophecy are trademarks of Rocktron. ISP Technologies is not affiliated with Rocktron.)

ISP Technologies 5479 Perry Drive Suite B Waterford, MI 48329 248-673-7790 www.isptechnologies.com