

SPIRIT AMPMAN SERIES

ROCK ON STAGE - PLAY AT HOME - RECORD AT NIGHT



LEGENDARY TONE

Iconic electric guitar tones have been giving voice to new modes of musical expression and shaping the sound of entire genres for more than 60 years. Now Hughes & Kettner has captured those sounds in the new Spirit AmpMan Classic and AmpMan Modern. Its two distinctive personalities each embody an entire era of legendary guitar tones.

At the heart of the AmpMan is the Spirit Tone Generator, a novel design developed by Hughes & Kettner to replicate tube circuits' analog processes. This miniature masterpiece distills the essence of tube amps' magical physics and incomparable tone into a compact, strictly analog circuit that promises unbridled playing pleasure. And with the Ultra Response power amp and latest generation of Red Box on board, it delivers on that performance promise any time and in every situation.



1991: TUBEMAN

Hughes & Kettner set a milestone on the road to portable sound 30 years ago with the legendary TubeMan. It delivered an unprecedented diversity of tones to go in a format that fit into any gig bag. TubeMan was soon a fixture on pedal boards and in studios in the '90s. To this day, it remains the always-on tone tool for many players.

AmpMan carries on this tradition – but with a new twist: Its independent, direct selectable channels plus tailored boost for each channel can serve up an even greater variety of sounds. And with a muscular power amp built into a box hardly larger than TubeMan, it can also serve as a full-fledged standalone amp.



SPIRIT - THE TUBELESS STANDARD

The secret behind the fascinating tone of the Spirit AmpMan series is the Spirit Tone Generator. So what's this groundbreaking technology all about?

Our mission hasn't changed since 1984 when we set out to build the best-sounding amp ever. That aim was high and perhaps a bit naive, but our expectations compelled us to ask ourselves the one question that really matters: What is that makes a particular tone magical? Or more precisely, what's happening at the physical level for an amp to hit that sonic sweet spot?

We soon discovered that it's not just a single component such as a tube that transforms an electrical signal into a soulful experience in thrilling sound. Instead, it's the complex interactions among the various components that populate tube amps.

The richness, feel and energy of all those spine-tingling sounds are very much down to the give-and-take that goes on when the input stage, preamp, power amp, transformers and speakers carry on a conversation with one another.

Spirit is a technology that generates the same physical phenomena in a 'bionic' way. And we did this with a miniaturized, purely analog module – the Spirit Tone Generator – rather than with large, heavy components.





MADE IN GERMANY

The Spirit Tone Generator is made in Germany to our uncompromising standards and sealed in a protective housing.

We're talking about a soulful circuit imbued with the spirit of great amp sounds here, so we simply had to call this technology "Spirit."



TRAVEL LIGHT, SOUND BIG

Making the most of every square meter inside the chassis, AmpMan is as small as it needs to be yet big enough to hold a treasure-trove of tech, features and sound. On top of that, it's a real powerhouse with plenty of juice to rock even a 4x12" speaker cab.

All that musical might comes courtesy of the specially developed Ultra Response power amp. Cranking out up to 50 watts of deliciously dynamic power, its punch and feel rivals that of any similarly rated tube power amp. It sends every single watt to the speaker with that spine-tingling dynamic response intact and translated into impressive sound pressure. And the Ultra Response power amp stays true to its musical character even at an all-out roar.



SOUND EVEN BIGGER

Drive a power amp hard enough and it will buckle like a weightlifter under a heavy load. Called sagging, this dip in power supply voltage has a huge impact on tone and feel. The harder the power supply has to work, the more this adds harmonics and compression to the signal. The amp responds to every nuance of your touch, putting total control over tone and musical expression at your fingertips.

The Spirit Tone Generator lets you dial in power amp saturation as easily and effectively as on a conventional amp, but in a far more manageable way. That makes it a creative sound-shaping tool to rival any gain knob. Best of all, it does this at any volume level!

The Sagging knob affords you instant access to the stuff of legends – that is, to the sound of a cranked amp on the verge of meltdown; to that magical energy that can not only be heard, but also felt. A sensitive tool, this control dials in everything from totally dry to heavily compressed and all points in between.



AMPMAN GIVES FREE REIN TO YOUR INSPIRATION.

AmpMan Classic and AmpMan Modern both feature two fully independent channels with dedicated Gain, Tone, Resonance, Presence, Sagging and Volume controls and pre-gain Boost fine-tuned for that channel. This means you don't have to entertain any compromises when voicing channels and setting volume levels. Total tonal freedom is within easy reach! And you can let that freedom ring

loud and clear with the nifty Solo function. With this special feature, AmpMan not only strikes the right tone; it does so at the right volume. The built-in footswitches select channels and activate Boost, the FX Loop and the Solo function. If you wish, AmpMan can even recall your Solo, Boost and FX Loop settings when you switch channels.

The Master control determines the overall volume for both channels.

The Solo knob addresses a special feature that bumps up the Master volume level. Its range sweeps from 0 to 6 dB. This way, the stage volume can be adjusted with only one knob, without having to fiddle with the solo volume.



CHANNEL A

CHANNEL B

CHOCK-FULL OF FEATURES.

AmpMan makes no compromises when it comes to tone, and the same goes for its feature set. Whatever use case you have in mind – as a standalone amp, as your pedal board's sound hub, for practicing at home or for recording in the studio – AmpMan sports the right connectors for every scenario.

The IDB noise gate is a finely tunable tool that cuts noise with awesome precision. This gate gauges levels at the input, but sits behind the preamp, so it is able to respond far more musically.

The serial, footswitchable FX Loop lets you add reverb and delay effects with a quick toe-tap,

The Red Box AE+ delivers ready-to-go sound straight to the mixing console, computer or powered PA speakers, furnishing line or mic levels suitable for every use case.

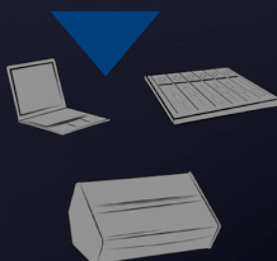
Cab Types:
1x12" Modern Thiele Port
2x12" Modern Front Port
2x12" Vintage Open Back
4x10" Alnico Open Back
4x12" Vintage Cab
4x12" British Cab
4x12" Modern Cab
4x12" American Cab

Equipped with a dedicated Volume knob, the built-in headphones amp adds lush simulated stereo to the Red Box signal. AmpMan blends its signal with the Aux In signal and routes the composite to the Phones output. That's the perfect setup for practicing and jamming with tracks. You can also feed the monitor mix into the Aux In for in-ear monitoring. And the signal patch ed out via the Phones output works wonderfully with hi-fi systems.

The power amp puts out a whopping 50 watts at 4 ohms, 25 watts at 8 ohms, and 12.5 watts at 16 ohms. Careful, though: These ratings correspond to those of a tube amp, so AmpMan is a very loud beast indeed! But despite all that power, you don't have to plug it into a speaker cabinet to practice or record.



Reverb, Delay FX



4-16 Ohm

AmpMan

CLASSIC

Channel 1 of the AmpMan Classic serves up a sensuous experience in sound with all the immediacy and liveliness of single-channel amps with no master knob. These are the iconic sounds of the '60s and early '70s pioneered by the rebels who created the blueprint for rockin' tone. This channel's hallmarks are its wide dynamic range and touch-sensitive response to your phrasing. Roll back the Gain and Sagging knobs, and it delivers crystal-clear, sparkling clean sounds. Set the Sagging knob to 12 o'clock or so, and it breaks up just like the tube amps of yore to produce warm, woolly distortion replete with rich overtones. Hit the Boost button, and it pumps out the thrilling sound of a fully cranked tube amp with an upstream booster.

Channel 2 delivers the genre-defining full-stack sound of the arena rock era. This is the place to go if you want a huge sound to inspire melodic solos and virtuoso tapping. This channel purrs when you pick softly, snarls when you dig in, and roars when you punish those strings. It is so touch-sensitive and responsive that your guitar's volume knob puts the full range of tones from crunch to lead at the beck and call of your pinkie. The Sagging knob works like a variable turbocharger, welcoming you to the world of brown sound. Every string rings out with each note clearly distinguishable. Activate Boost, and this channel will greedily siphon every drop of tone out of those pickups even at the softest touch of a string. Tapping suddenly seems effortless.



AmpMan

MODERN

AmpMan Modern's Channel 1 is identical to its counterpart on AmpMan Classic. Channel 2 is your stairway to high-gain heaven. Its Tone, Presence and Resonance knobs take you on a tour of entire genres of metal, from that classic macho midrange to modern scooped sounds. The Sagging knob greases the gears so that tone flies from your fingertips with endless sustain and the kind of creamy overtones that let lead lines soar. Riffing requires the opposite, tighter tone and hair-trigger response. Roll back the Sagging knob, and the power amp responds ultra fast. The tipping point into compression comes very late, even when playing chords in drop tuning.



THE BOSS ON THE PEDAL BOARD...

Rather than a three-band EQ section, AmpMan's preamp sports one exceedingly effective sound-shaping tool for each channel: That Tone knob dials in everything from British to Californian flavors, all the shadings in between, and lots of other sounds beyond that. The Resonance, Presence and Sagging knobs shape the power amp's tone. This combination of controls makes AmpMan so phenomenally flexible. It lets you tweak and enrich your pedals' signals with preamp and power amp voicing options to bring out the best in your upstream stompboxes.

The footswitchable, serial FX loop is available for inserting reverb and delay effects. The built-in noise gate engages before the signal hits the FX Send so reverb tails fade and delays decay naturally. In-ear monitoring is an exercise in convenience with the Red Box AE+ and its eight painstakingly selected speaker models. The Red Box, adjustable Phones output and Stereo Aux In provide a self-sufficient, professional-grade monitoring option with no outboard gear needed. All you have to do is blend the stage mix in with the headphones signal.



... AND IN THE STUDIO!

Able to deliver big sound in a professional studio or even with the smallest recording setup, AmpMan is your trusty tone-sculpting sidekick – no cab or microphone needed.

The balanced Red Box DI Out delivers top-drawer signal with or without cabinet emulation. Use any of the Red Box's eight cabinet models or send the Spirit Tone generator's unfiltered, purely analog signal to your DAW to take advantage of all the perks of the digital world – speaker emulations, mic modeling, room simulations, effects, and any other signal processor that strikes your fancy.

But whatever way you choose to go, rest assured that inspiring, spine-tingling sound is always within easy reach.



RED BOX - THE INDUSTRY STANDARD SINCE 1989

In April 1988, the German Patent Office granted a patent for a Hughes & Kettner invention that would change the way amps' sound is captured on stage and in the studio. A simple yet ingenious alternative to mic'ing speakers, the idea was to tap the signal between the amp and cabinet, filter it, and patch it out via a balanced XLR out to provide a signal suitable for every use case.

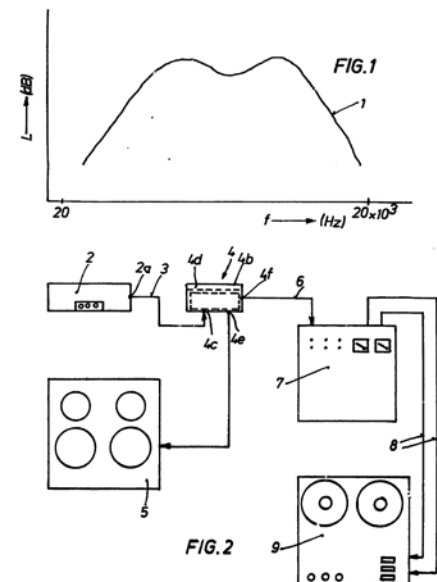
With well over 100,000 Red Boxes out there in the world, this ultra-reliable option has come to be the industry standard. The latest generation of the Red Box, the AE+ features no less than eight simulations of selected cabs (AE is short for Ambience Emulation). Ultra-direct response is assured with its zero-latency filtering. For all the computing power that it demands, conventional IR filtering simply cannot match the AE+'s ultra-direct attack and responsive feel. And that's why the DI box that can beat the Red Box has yet to be invented. On stages, the Red Box has no rivals.



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DEUTSCHES PATENTAMT

1. Elektronisches Zusatzgerät für Elektrogitarren mit Gitarrenverstärker, der mindestens einen Ausgang für die Gitarren-Lautsprecherbox hat, dadurch gekennzeichnet, daß das Zusatzgerät (4) eine Bandfilterschaltung (4c) in der Art eines Equalizers enthält, die auf die Nachbildung des Frequenzganges (1) der Gitarren-Lautsprecherbox (5) fest eingestellt ist, und daß das Zusatzgerät außer einem Eingang (4a) für die Signale des Gitarrenverstärkers (2) mindestens einen Ausgang (4f) zum Anschluß des Mischpultes (7) einer Verstärkeranlage aufweist.
2. Zusatzgerät nach Anspruch 1 für einen Gitarren-Röhrenverstärker, gekennzeichnet durch einen zusätzlichen Ausgang (4e).
3. Zusatzgerät nach Anspruch 1 oder 2, dadurch gekennzeichnet, daß in das Gehäuse (4b) des Zusatzgerätes (4) der Gitarrenverstärker eingebaut ist.

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RECOMMENDED CABINETS

Tuned to serve up crisp, richly dynamic vintage sounds, the 8-ohm Celestion TEN 30 in the TM 110 gives the power amp free rein to do what it does so very well.

Loaded with a 16-ohm, 12" Celestion Vintage 30, the TM 112 strikes the best balance between crisp and fat sound. It's the perfect vehicle for both vintage and rock tones.

The TM 212 awes and inspires with its two 12" Celestion Vintage 30s. Ideal for rock and metal, this cab is also great for vintage sounds when it's about to get loud.

The TC 412 may look a bit oversized, but size doesn't matter when its four 12" Rockdriver Classic 60s pump out this kind of sound pressure to serve up that stellar 4x12" wall-of-sound experience for either model.

A mighty mite of a cab, the TS 112 Pro shoehorns a Celestion G12H-75 Creamback into a Thiele Small Enclosure. The sound of a 4x12" stack packed into this tiny housing is perfect for metal and an intriguing option for rock and vintage sounds.

It's your best choice if you want to tap AmpMan's full potential.



TECHNICAL DATA

POWER OUTPUT	50 watts @ 4 ohms 25 watts @ 4 ohms 12,5 watts @ 4 ohms
CHANNELS	2
BOOST	Footswitchable for each channel
FX-LOOP	Serial, footswitchable
NOISE GATE	IDB (Intelligent Dual Breakpoint) noise gate
SPECIAL FEATURE	Sagging, Solo knob and footswitch
RED BOX AE+	8 cabinet emulations, balanced XLR port
AUX INPUT	3.5 mm, stereo
PHONES OUT	3.5 mm, stereo, adjustable
SPEAKER OUT	4 to 16 ohms
DIMENSIONS (W x H x D)	250 x 52 x 153 mm
WEIGHT	1.15 kg / 2,53 lbs
POWER SUPPLY	
DIMENSIONS (W x H x D)	129 x 32 x 52 mm
POWER SUPPLY	
WEIGHT	0,28kg/ 0,61 lbs



Hughes & Kettner®
TECHNOLOGY OF TONE