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NEURAL AMP MODELER



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CONVOLOGY XT

NEUTRON
FIRST CONTACT
CORE AMP & FX PACK



**Neutron Core NC-NFC-NDX NDX Amp
Profile Pack for NAM & Convology XT**

User Guide

Introduction

Neutron core amp pack for Neural Amp Modeler

These profiles have been designed for use alongside other Neutron Core components, and recorded to deliver realistic results in modular signal chains.

Each amp was captured across a range of settings to allow faithful recreation of the sound and behaviour of the original hardware. The profiles in this pack are full quality NAM A1 Standard architecture compatible and should work in all plugins and devices that will load that format.

What you will need:

The Neural Amp Modeler plugin or standalone app, or a compatible device or plugin capable of loading standard architecture NAM A1 full quality files. The official NAM plugin for PC and MAC can be obtained for free at the following link: <https://www.neuralampmodeler.com/>

The Convology XT plugin is free, and available here:

<https://wavearts.com/products/plugins/convology>

To get your free lifetime serial key for CXT, read the FAQ here:

<https://wavearts.com/support/faq#how-do-i-get-a-convology-xt-serial>

About

Neutron Core is a groundbreaking ecosystem designed to provide guitarists and producers with unparalleled tonal flexibility. Consisting of separate packs of guitar amps, pedals, and effects, Neutron Core products can be used individually or combined with each other and our Quantum Speaker and PowerPack profiles to create a fully integrated mix-and-match environment. This comprehensive system is built on our core philosophy of blending cutting-edge technology with decades of real-world music industry expertise.

Our profiles and presets leverage the best tools available, including NAM (Neural Amp Modeler) for amp modeling and Convology XT for high-quality convolution effects. Each pack is meticulously crafted to deliver hyper-realistic results, capturing the authentic character of the original gear.

Importantly, we avoid applying pre-EQ to our profiles, allowing users to tailor the sounds to their specific musical projects without destructive EQ baked in. This approach preserves the richness of harmonic and frequency content, ensuring that users can shape their tones by cutting away excess frequencies rather than resorting to extreme EQ boosts, which can degrade phase integrity and fidelity. We add simple HP/LP filters only to our AIO (full rig) profiles to help get you closer to a finished sound, leaving all the other profile types (DI, Preamp, Quantum Speaker) completely untouched for maximum versatility.

This manual specifically focuses on the Neutron Core First Contact NDX Profile Pack, an introduction to amp profiling, Neutron Style!

Neutron First Contact

Neutron First Contact is the entry point into the Neutron Core ecosystem.

This pack is built from widely available, modest amplifiers by design.

It demonstrates that excellence is not determined only by the rarity or value of the gear captured, but also by knowledge, capture methodology, advanced modelling tools, and professional product design we employ.

Neutron Audio operates under two internal hallmarks:

- **True to the source**
- **Technology fused with expertise**

First Contact exists to demonstrate how following both of these directives creates exceptional results.

Signal Integrity

Preamp-only and DI profiles are delivered without ANY added EQ or tonal shaping.

They are captured at the correct and consistent point in the circuit and remain absolutely faithful to the source.

AIO (All-In-One) profiles represent the complete amplifier and speaker system, often referred to as a “full rig”. Where necessary, simple high-pass and low-pass filters are applied to remove unmusical extremes, for when only a single profile instance can be used and you just want to “load and play” they still have no stylistic EQ applied, allowing for maximum re-usability in your projects.

In addition: DI + Quantum Speaker preserves full dynamic behaviour without the compromises commonly associated with linear IR workflows. Full rig or DI+QS, you always retain the feel. You are no longer required to choose between modularity and feel.

Capture Methodology

Neutron Core profiles are built on Neural Amp Modeler (NAM).

Neutron extends NAM through a proprietary, complex training process known as Neutron DYNAMIX (or NDX for short).

NDX is engineered to prioritise:

- Pure Time-domain accuracy
- Transient envelope preservation
- Clear separation of compression and saturation behaviour
- Gain-dependent response consistency
- Stability under dynamic extremes

Each profile undergoes extended training focused on behavioural fidelity rather than training speed.

This can take many hours per profile, even on our advanced training hardware.

The result is improved articulation, dynamic fidelity and tactile response, particularly in circuits operating under heavy, complex multi-stage saturation or dynamic compression.

Impedance-Sensitive Circuit Capture

Vintage fuzzes and treble boosters depend on pickup impedance interaction.

The Neutron Inductor recreates correct pickup loading during capture.

Without correct impedance, these circuits behave differently.

With it, they respond as intended.

This enables the most technically accurate modelling of these devices available.

Speaker Modelling

Impulse responses are linear representations.

Quantum Speaker is Neutron's non-linear speaker capture methodology.

It preserves speaker behaviour under drive and maintains dynamic continuity when pairing preamps, power stages and cabinets.

Cabinet interchangeability does not degrade feel.

DI + Quantum Speaker retains full-rig integrity.

Product Design

Profiles are organised around decisions that affect circuit behaviour and therefore amp settings:

- Pickup type
- Gain range
- Musical role

This reflects how amplifiers respond and how musicians actually work.

The objective is clarity and efficient workflow while removing choice paralysis.

Included Effects

Each Core pack includes curated advanced convolution effects designed to move from amplifier only to finished production sounds with ease.

These include:

- Matched amp and era-appropriate single and multi-effects presets for Convology XT
- Accurate captures of built-in amplifier reverb where applicable
- A growing studio-grade effects library that expands with your amp collection

These effects provide a whole new dimension of creative options to take your amp sound to a full production masterpiece in seconds.

Why Neutron?

The NAM ecosystem contains thousands of profiles — free and commercial.

Most are individual captures created in isolation.

Neutron Core is engineered as a unified system.

It combines:

- Extended complex dynamic training (NDX)
- Non-linear speaker modelling (Quantum Speaker)
- Electrically correct impedance captures (Neutron Inductor)
- Studio grade advanced convolution effects for CXT
- Modular integration across pedal, preamp, power stage and speaker

These elements create an offering totally unique to us.

The result is behavioural accuracy and system stability — preserved as components are combined, expanded and reconfigured.

Free profiles can provide endless variety.

Many commercial offerings provide curated sounds.

Neutron provides a coherent, behaviourally aligned architecture designed by audio professionals for making music, a collection you can build on with confidence.

Beyond First Contact

First Contact isolates the capture tools and methodology from vintage mythology.

Neutron maintains one of the most diverse and exclusive collections of musically relevant and historically significant gear anywhere.

The same capture discipline and tooling will be applied to products made with that equipment.

All of it will be released, in time. We are a Quality-First company, we do not rush releases to meet hype or trend.. If you want to build a real library of authentic, professional sounds, Neutron Core has you covered now and in the future. Follow our story as the library expands and be part of the journey!

Now... Lets **meet the amps!**

Ibanez TSA15H



The Clean Amp

The Ibanez TSA15H is a highly underrated Fender Princeton-style valve amplifier circuit built around a 6V6 power section with solid-state rectification.

Although widely associated with its integrated Tube Screamer circuit, at its core this is a compact American clean platform designed specifically to take pedals exceptionally well (it even has one built in!). The preamp topology and headroom make it capable of classic American clean amplifier behaviour — articulate, controlled, and dynamically responsive.

For *Neutron First Contact*, the Tube Screamer stage is not used.

The TSA15H is captured purely as a clean amplifier and forms the foundation for all clean sounds in this pack — from pristine headroom to controlled edge-of-breakup.

It demonstrates a key principle of Neutron: when a circuit is understood and captured correctly, even modest, widely available hardware can deliver authoritative, studio-ready results.

Marshall SV20H



The Crunch Amp

The Marshall SV20H has established itself as more than just a “mini Plexi.”

Designed as a compact reinterpretation of the late-’60s Super Lead architecture, it delivers authentic British valve crunch in a manageable format without sacrificing circuit integrity.

Often viewed as the smaller sibling to full-size vintage heads, the SV20H proves otherwise when recorded correctly. Its preamp and power section interaction produce the harmonic structure, midrange authority, and dynamic bite associated with classic 1960s and 1970s Marshall recordings. These amps are made in the UK on the same line as the current flagship Marshall amps.

In *Neutron First Contact*, the SV20H provides the role of “crunch” amp:

- Classic British midrange focus
- Power-stage driven breakup
- Defined pick attack and upper-mid cut
- Dynamic response that tracks playing intensity

Captured with our tools and methods and pushed correctly into output stage interaction, it stands comfortably alongside larger vintage counterparts in recorded applications, showing that size, rarity or vintage alone does not determine authority of sound.

Orange TH30H



The Drive Amp

The Orange TH30H is one of the most misunderstood modern valve amplifiers in production.

At its core is a contemporary high-gain topology comparable in structure to designs such as the SLO or 5150 — but implemented with a fundamentally different philosophy. The Dirty channel replaces a traditional multi-band tone stack with a single **Shape** control that defines the midrange contour, while a tube-buffered effects loop is positioned specifically to allow external equalisation.

In other words, the amplifier was engineered to be paired with outboard EQ — effectively allowing the user to define the final frequency architecture rather than locking it into a fixed internal stack.

This design is rarely exploited to its full potential. Most players see a cheaper model and assume that makes it inferior.. This is very misunderstood. The TH30 was designed from the ground up to be factory made, harnessing those methods for an ideal and robust result and the lower complexity of its design allows for a cheaper manufacturing cost..

In *Neutron First Contact*, only the Dirty channel is used. The TH30H is profiled both:

- In its raw configuration, using the Shape control alone
- With external EQ in the loop, as originally intended

When understood and implemented correctly, the result is extremely authoritative modern high gain — tight low-frequency control, aggressive upper-mid articulation, and high saturation density without loss of clarity.

The TH30H has remained in continuous, unrevised production longer than almost any other modern valve amplifier — a testament to the design and execution.

Used as intended, it is capable of serious modern high-gain brutality.

And the Speakers!!



The speaker used for the 5 included Quantum Speaker Quickstarts is our 2x12 Marshall 1936 cab fitted with Celestion G12H-150 “Redback” cones. This is available as a separate, full QS pack on the Neutron Store (QS-G12H150-NDX)

What’s Included

Inside the pack you will find:

86 NDX Profiles for NAM (Neural Amp Modeler):

There are AIO (full rig), DI (amp only) PRE (preamp only) and Quantum Speaker Quickstart NDX NAM profiles included in this pack.

NAM is free, and available here:

<https://www.neuralampmodeler.com/>

16 FX presets for Convology XT

There are both single and multi FX presets included for Convology XT

Convology XT is free, and available here:

<https://wavearts.com/products/plugins/convology>

6 Filter IRs to shape the sound

3 standard SSL LPF/HPF filter IRs Plus 3 Enhanced filters using a Pultec EQ

Profiles file Structure:

The pack is organised into a clear folder structure to help you navigate the included content:

- **Main Pack Folder:**
 - **Profiles:** Contains all the NAM profiles.
 - **Filters (Load_into_IR_Slot):** Includes three standard SSL LPF/HPF filter IRs, Plus 3 Enhanced filters using a Pultec EQ, tweaked for heavier sounds to add sub-sonic weight and a super high-end sheen. You can load these into the NAM IR slot right on the same instance as the profile, you will need to turn up the output knob to compensate for the loss of level you get when loading an IR (typically +8 - +10 on the knob after loading the IR).
 - **FX (For Convology XT):** Contains Convology XT presets for this pack in two formats:
 - .SFX EXE (for PC)
 - .ZIP (for macOS).
- **Profiles Folder:**
 - **AIO:** All-In-One profiles, designed with a full studio chain.
 - **DI:** Profiles designed for use with external pedals and amps without speaker simulation.
 - **PRE:** Profiles containing only the preamp section.
 - **QS:** Quantum Speaker QuickStarts with pre-blended microphone configurations.

Within the **AIO**, **DI**, and **PRE** folders, you will find additional subfolders:

- **Humbucker:** Profiles optimised for humbucker-equipped guitars.
- **Single-Coil:** Profiles optimised for single-coil-equipped guitars.
- **Universal:** Profiles such as the “All knobs at 5”, not pickup specific.

This structure ensures easy navigation and quick access to the profiles and settings you need.

Pack Design Principles

The Neutron Core Packs are designed based on three key decisions:

1. **Pickup Type:** Profiles are separated by guitar pickup type (Single-Coil or Humbucker), as this fundamentally shapes the signal chain.
2. **Drive Level:** Profiles are categorised by the amount of drive (Clean, Crunch, or Drive) to match the player’s desired tone.
3. **Playing Function:** Each profile specifies whether it is intended for Rhythm or Lead playing.

The profile naming structure reflects these choices:

- **NC-NFC-NDX-HB-03-CRN-RHY:**
 - **NC-NFC-NDX** Pack Name
 - **HB/SC:** Humbucker or Single-Coil.
 - **0x:** Numerical sorting number.
 - **CLN/CRN/DRV:** Drive level (Clean, Crunch, or Drive).
 - **RHY/LD:** Rhythm or Lead.
 - **+PedalName:** Indicates the pedal used (e.g., DS1, CS-3).
 - **AIO/DI/PRE:** Profile type (All-In-One, DI or Preamp).

This structure ensures players can easily find the profiles that suit their specific needs.

Quantum Speaker Quickstart (QS) Profiles

These NDX QuickStart profiles use pre-blended microphones on Celestion G12H-150 “Redback” 150w Speakers, as fitted to our Marshall 1936 2x12 “wheat” cabinet:

- **QS-G12H150-NDX-01-Balanced**
- **QS-G12H150-NDX-02-Clear**
- **QS-G12H150-NDX-03-Deep**
- **QS-G12H150-NDX-04-ITR**
- **QS-G12H150-NDX-05-Warm**

Profile List:

| Profile Name | Optimised for | Profile Description |
|-------------------------------|---------------|---|
| NC-FC-NDX-HB-01-CLN-RHY | Humbuckers | Clean Rhythm sound using the TSA15H |
| NC-FC-NDX-HB-02-CLN-LD | Humbuckers | EOB Lead sound using the TSA15H |
| NC-FC-NDX-HB-03-CRN-RHY | Humbuckers | Classic rock Crunch with the SV20H |
| NC-FC-NDX-HB-04-CRN-LD | Humbuckers | Dimed Plexi with the SV20H |
| NC-FC-NDX-HB-05-DRV-RHY | Humbuckers | TH30H with Modern Style EQ |
| NC-FC-NDX-HB-06-DRV-LD | Humbuckers | TH30H with mid-forward EQ |
| NC-FC-NDX-HB-07-CLN-RHY+KCMP | Humbuckers | TSA15H With the Kokko Comp |
| NC-FC-NDX-HB-08-CLN-LD+NDC | Humbuckers | TSA15H With the Neutron Dual Comp |
| NC-FC-NDX-HB-09-CRN-RHY+TS | Humbuckers | Early UK Metal sound with the SV20H and a tube screamer clone |
| NC-FC-NDX-HB-10-CRN-LD+TM5 | Humbuckers | Early US Metal sound with the SV20H and an Ibanez “Thrash Metal” |
| NC-FC-NDX-HB-11-DRV-RHY+TS | Humbuckers | Heavy Modern Metal sound with the TH30H and a Tube Screamer clone |
| NC-FC-NDX-HB-12-DRV-LD+BLUESY | Humbuckers | Modern Metal lead sound with the TH30H and a Bluesbreaker clone |
| NC-FC-NDX-SC-01-CLN-RHY | Single-Coils | Clean Rhythm sound using the TSA15H |

| | | |
|---------------------------------|--------------|---|
| NC-FC-NDX-SC-02-CLN-LD | Single-Coils | EOB Lead sound using the TSA15H |
| NC-FC-NDX-SC-03-CRN-RHY | Single-Coils | Classic rock light Crunch with the SV20H |
| NC-FC-NDX-SC-04-CRN-LD | Single-Coils | Driven Plexi with the SV20H |
| NC-FC-NDX-SC-05-DRV-RHY | Single-Coils | TH30H with no eq, shape knob slightly scooped |
| NC-FC-NDX-SC-06-DRV-LD | Single-Coils | TH30H with no eq, shape knob more mid focused |
| NC-FC-NDX-SC-07-CLN-RHY+CS3 | Single-Coils | TSA15H With a Boss CS-3 Comp |
| NC-FC-NDX-SC-08-CLN-LD+CP5 | Single-Coils | TSA15H With an Ibanez CP-5 Comp |
| NC-FC-NDX-SC-09-CRN-RHY+RAT | Single-Coils | SV20H and a Proco Rat clone |
| NC-FC-NDX-SC-10-CRN-LD+OCTFUZZ | Single-Coils | SV20H and a Foxx Tone machine clone, in octave mode |
| NC-FC-NDX-SC-11-DRV-RHY+SD1 | Single-Coils | TH30H with a Boss SD-1 |
| NC-FC-NDX-SC-12-DRV-LD+NFUZZ | Single-Coils | TH30H with the “Neutron Fuzz” muff style distortion |
| NC-FC-NDX-UV-01-TSA15-FIVES-AIO | Universal | TSA15H With all knobs at noon |
| NC-FC-NDX-UV-02-SV20-FIVES-AIO | Universal | SV20H With all knobs at noon |
| NC-FC-NDX-UV-03-TH30H-FIVES-AIO | Universal | TH30H With all knobs at noon |

Each profile is provided in Preamp only (PRE), DI (no speaker) and AIO (full rig) versions for maximum flexibility.

FX Presets for Convology XT

The FX selection for this amp takes on a distinctly 90s theme, made with a mixture of studio gear from the same period (or in popular use at that time) as the amp itself. This pack includes several single and multi-effects presets for Convology XT, these all-in-one presets can contain any combination of modulation, delay and reverb for a complete sound in a single preset. They are designed to enhance your playing experience for a studio quality sound and are made using advanced convolution technology from the highest quality sources for an authentic and realistic result. Notice the suffix of -M, MS or -S in the preset name, this shows whether the preset is mono (-M), mono in+stereo out (-MS) or stereo in and out (-S). Make sure you place any mono or mono in effects presets before stereo ones, as otherwise they will collapse anything stereo into mono before applying their effect:

FX Presets List for this pack:

1. **NCFX-EMT-Plate-S:** Classic real plate reverb with a bright sound
2. **NCFX-Brick-Delay-S:** TC 2290 delay
3. **NCFX-Stereo-Tank-S:** Dual Spring reverbs in stereo
4. **NCFX-Nashville-Room-S:** Real studio live room at a famous studio in Nashville
5. **NCFX-Metal-Chamber-S:** Real echo chamber with a bright aggressive sound
6. **NCFX-M7-Deep-Hall-S:** Huge, long decay modern rack reverb
7. **NCFX-2Tap-Detune-S:** Multi-Tap delay with detune

8. **NCFX-Space-Flanger-M**: Thick, greasy flanger..
9. **NCFX-Symphonic-Hall-S**: SPX symphonic chorus with Lexicon Reverb
10. **NCFX-Ultimate80s-S**: When the hair was big, and the FX were even bigger!
11. **NCFX-ADT-MS**: Vintage double-tracking simulator made with tape
12. **NCFX-Live-Blues-S**: Live at the Regal Vibes!
13. **NCFX-Rotary-Spring-MS**: Vintage rotary speaker with a spring reverb
14. **NCFX-Guitar-Polish-S**: Instant produced sound!
15. **NCFX-Daves-Wall-S**: Famous effect chain from an 80s classic
16. **NCFX-Doubler-MS**: For when you want to make it huge!
17. **NCFX-Blue-Dream-S**: Guitar hero worthy effects!

To install the included FX presets:

On Windows, run the included EXE to install the FX presets into your Convology library folder, then reload any instances of convology XT for the presets to appear.

On MacOS, unzip the contents of the zip file in the FX folder of the pack to a location on your system (e.g. Documents\Neutron\FX\NEUTRON NC-NFC FX). Once the folder is in the location, on your convology XT plugin open the settings (picture of a cog wheel) and in the "preferences" section, set your custom library location to the same folder containing your extracted files (e.g. Documents\Neutron\FX\). Reload any instances of convology XT for the presets to appear.

Gain Control and NDX amps

Due to the extended dynamic range present in NDX profiles, you can really use the gain control on NAM to get a huge variety of sound options from each and every profile. All the way down to -20 and up to about +10 you will find realistic results waiting, just like using the gain control on the amp. Due to the way "gain" works in NAM, unlike many other plugins and profilers, it does not invent gain behaviours, only acting as an input level into the model. For this reason you absolutely should experiment with the gain control, and don't be afraid to try the full range!

Input/Output Calibration

All profiles in this pack contain input and return level calibration information where relevant. If your chosen plugin or device does not read this information do not worry, its not necessary to use the profiles. To enable the calibration feature on the NAM plugin, enable "Calibrated" mode in the NAM plugin settings and enter your own input calibration level in the box provided and turn on "input calibration". We create our sounds at +6dbU = 0dbFS. If your plugin or device does not support auto-calibration, either manually adjust your input to this level, or as a rough guide you can simply strum your guitar equipped with a humbucker and set your input level on your soundcard/device so that the signal peaks around -6db on your meter, or for a single coil guitar this should be around -12db. Add or remove gain from there to taste. We recommend setting the **output** calibration mode to "Normalized".

NAM Input Meter: Avoiding Clipping

To maintain the most accurate and authentic reproduction of the captured gear, monitor your input levels carefully in NAM.

- **Keep levels below 0 dBFS** at all times
- Avoid clipping — it can cause unnatural behaviour or distortion
- If chaining NAM instances, adjust the output of one to avoid overdriving the next

Mix & Match Ecosystem: Combining Profiles for Maximum Flexibility

The Neutron Core system, like all Neutron products, is designed as a highly versatile, modular platform that allows you to mix and match profiles to suit your creative needs.

Core pedal and amp packs scale from simple setups — a single AIO profile with pedal, amp and speaker in one profile — to full modular chains that rival the realism of multi-instance plugin rigs or complex studio workflows.

Neutron Core profiles are built to combine seamlessly in both serial and parallel configurations, enabling users to recreate real-world recording setups with natural, believable results.

Combining Profile Types

1. Pedal Profiles:

Place at the front of the signal chain to add compression or gain shaping before the amp stage.

2. Preamp Profiles:

Found in Neutron Core amp packs. Combine with PowerPack profiles and Quantum Speaker captures to recreate rich, realistic behaviour and gain extra control of the sound.

3. Power Amp Profiles:

(Sold separately via Neutron PowerPack.) These simulate output stage saturation and speaker interaction, completing modular rigs.

4. Quantum Speaker (QS) Profiles:

- **QuickStart Profiles:** Ready-to-use blends of classic mic placements.
- **Discrete Mic Profiles:** Combine individual mics in parallel for custom blends.

Signal Chain Examples

- **Series:** Pedal → Preamp → Power Amp → Quantum Speaker
- **Parallel:** Combine multiple Discrete Mic profiles for realistic mic mixing

What Is Neutron Core?

Neutron Core is the foundation layer of Neutron Audio's profiling ecosystem. It provides highly accurate, modular profiles of individual components in the signal chain — including amplifiers, pedals, power stages, and more — all captured with an emphasis on preserving both detail and musical responsiveness.

Neutron Core profiles are fully compatible with the standard NAM format plugin and hardware ecosystem. They are designed to be mixed and matched: a user may choose a single All-In-One (AIO) profile for simplicity, or build a modular rig using multiple components — including pedals, preamps, power amps, and cabinets. Profiles are captured at consistent operating levels and behave predictably when combined, allowing for flexible signal routing without correction or compensation.

Each Neutron Core pack is the result of a process that combines **technical precision with recording industry expertise**. The capture process is **true to the source**, delivering an accurate representation of the gear's **sound, behaviour, and character**. The result also reflects the decisions made by experienced engineers — gain staging, signal flow, mic selection, balance, and response — shaped using high-end equipment and decades of professional studio knowledge.

The goal is to provide users with an **authentic, recorded guitar sound** — the kind of result they would expect if they walked into a professional studio and worked with skilled engineers using the best available gear. Every profile reflects Neutron Audio's core philosophy: **truth to the source**, and the belief that **technology fused with recording industry expertise** creates exceptional results.

What Is NDX?

NAM was already the most accurate profiling solution available in terms of frequency content. NDX (Neutron dyNAMix) is Neutron Audio's bespoke NAM training process — a combination of software, hardware and expertise developed by us to include an additional, deeper layer of time-based dynamic realism. In short, it adds more Dynamics to NAM profiles.. hence the name “dy NAM ix” or NDX for short. The easiest way to hear this clearly in action is by checking out our compressor packs where you will clearly hear extreme, long time-domain compression in action. That was previously not possible with the standard NAM trainer or architecture, NDX adds this extra information to all of our profiles made with it.

NDX allows the authentic profiling of more complex compression, transient recovery, saturation bloom, and time-based level-dependent changes — these are the time-based responses which affect how real gear feels and reacts, not just how it sounds in the frequency domain. NDX also helps to reduce some of the aliasing-like artifacts you can often find in high-gain NAM profiles, as the increased time-domain information reduces frequency averaging for a more natural result; increasing both realism and fidelity across the board.

Historically, this has only been achievable using custom architectures with increased CPU demands and limited compatibility. NDX encodes this extra time-based dynamic information directly into standard format NAM profiles. They will work on any plugin or hardware that natively loads full NAM profiles.

It applies equally to compressor, pedal, amplifier, poweramp, and speaker profiles — allowing all of them to behave more like reality and increasing overall fidelity in all cases.

All profiles in this pack are created using the **NDX Gen2 system**.

Support

If you need support or have questions about the Neutron Core Pack, you can:

- **Submit a request on our website:** <https://www.neutronstudios.com/>
- **Join our dedicated Facebook customer group:**
<https://www.facebook.com/groups/1712386306166179>

Our Facebook group is the ideal place to ask questions, get updates on all our products, and connect with other Neutron Audio users.

We are on YouTube!

This manual aims to cover all aspects of using the pack comprehensively, however we have also made a video that explains the Neutron Core concept in detail here:

<https://www.youtube.com/watch?v=kkE-U04qo2U>

We also invite you to watch the other videos on our channel at::

https://www.youtube.com/@neutron_audio

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