

# KOCH NESS MONSTER SUPREME



Mythical sonic powers rising from the Depths!

"The Koch Ness Monster Supreme, is like having access to all the colors on the easel so that I can pick and choose which glorious hues to use to create a deranged portrait of sonic malfeasance!"

-Greg Koch

The **Koch Ness Monsters** represent the culmination of a 15-year collaboration between the legendary Greg Koch and JAM pedals, rooted in mutual admiration and respect for each other's craft. Together, we set out to design two ultimate multi-pedals tailored to Greg's every need—whether he's commanding the stage, capturing moments in the studio, or exploring new material.

The **Koch Ness Monster Supreme** is the crown jewel of this partnership, embodying Greg's wildest pedal dreams.

Equipped with a carefully curated array of effects, this multi-pedal is designed to inspire and expand musical expression at every level.

Bringing the **Koch Ness Monster Supreme** to life involved integrating innovative features and personal touches, including:

- **Greg's signature Gristle King Overdrive.**
- **A dedicated Delay Llama mk.2**, for Greg's always-on slapback delay needs.
- **An enhanced Retrovibe** with expanded Depth and Speed ranges, plus internal controls for brightness, LFO thickness, and output level.
- **Preloaded custom presets** on the Delay Llama XTREME and Harmonious Monk.
- **Tap Tempo synchronization** between the Delay Llama XTREME and Harmonious Monk, enabling single-tap control of both units.

## SIGNAL CHAIN:

### 1. WAHCKO

The Wahcko is equipped with a **Red Fasel inductor** and a **6-position rotary switch** to select the frequency sweep range. A staple in Greg's setup for years, it features an **internal trimmer** to adjust the input gain as well as a proprietary **bufferless design** which seamlessly integrates with impedance-sensitive pedals, such as germanium fuzzes, placed after the Wahcko.

### 2. RETROVIBE

A permanent fixture on Greg's pedalboards, this enhanced version includes expanded **Depth** and **Speed** ranges, as well as internal trimmers for **brightness, LFO thickness, and output level**. Also features an EXP Input to remotely control the speed using a standard 10k passive expression pedal.

### 3. GRISTLE KING

Greg's signature **Overdrive/Boost**, designed by Tim Jauernig and handcrafted by JAM pedals.

#### Key features include:

- **GRISTLE:** controls the output level.
- **TONE:** Set the overdrive tone.
- **GRAVY:** Adjust gain.
- **MORE:** Set the boost level.
- **PRE/POST Toggle:** Place the boost before or after the overdrive for different effects (e.g., additional gain or volume boost).
- **FLAVOR Switch:** Choose between open, throaty overdrive (top) or more compressed tones (bottom).
- **PHAT Switch:** Boosts low-end response (bottom).
- **MORE Footswitch:** Activates the independent boost.

### 4. EUREKA!

A unique fuzz inspired by the best traits of Muff and Face-style pedals. Features:

- **Controls:** Level, Tone, Gain.
- **3-Way Toggle Switch:** Adjust bass response.

### 5. LUCYDREAMER

A **Dry/Wet Overdrive** with a second footswitch for high-gain mode.

#### Features:

**Controls:** Level, Gain, Tone, and Dry/Wet Mix.

**Internal Trimmer:** Adjust the output level for high-gain mode.

### 6. SEND/RETURN FX LOOP

Place additional pedals between the Lucydreamer and Boomster.

### 7. BOOMSTER

A supreme **Buffer/Booster** with three selectable voices.

#### Controls:

- **Level**
- **Voice Selection toggle:**
  - **Top (-):** Attenuates high-end (adjustable via internal trimmer).
  - **Middle:** Flat, full-range response.
  - **Bottom (+):** Boosts mids (adjustable via internal trimmer).
- **BUFFER Toggle:** Engage or disengage the buffer.
- **EXP Input:** Use a standard 10k passive expression pedal to control the level, effectively transforming it into a volume pedal.

### 8. WATERFALL

An all-analog BBD **Chorus/Vibrato** which Greg also uses to cover his rotary speaker-like effect needs, with controls for Depth, Speed, a Chorus/Vibrato toggle and a LFO Intensity toggle.

### 9. HARMONIOUS MONK

A **Harmonic/Amplitude Tremolo** designed with **That Pedal Show**.

#### Key features:

- **Controls:** Depth, Speed, Level, Dry/Wet Mix
- **Toggle Switches:**
  - Tremolo Mode (Harmonic/Amplitude).
  - LFO Shape (Square/Sine/

- Reverse Sawtooth).
- TAP Tempo Subdivisions.

- **Tap and Ramp Mode:** Preselected and fine-tuned to Greg's preferences.

### 10. DELAY LLAMA MK.2

A no-frills 600ms Analog Delay revived for Greg's slapback needs.

#### Features:

**Controls:** Time, Repeats, Level. Internal Trimmer: Adjust maximum repeats.

### 11. DELAY LLAMA XTREME

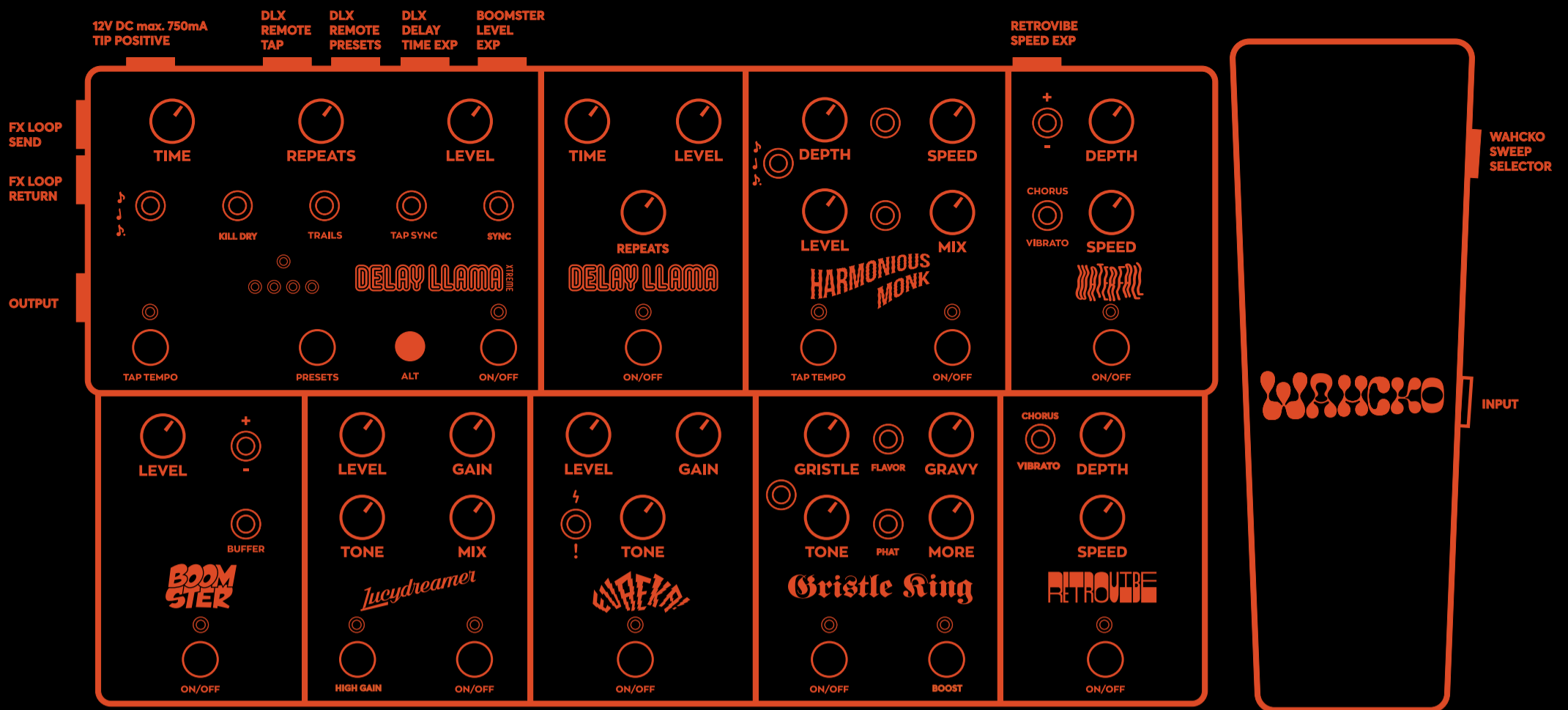
A powerful descendant of the Delay Llama, featuring:

- **4 Custom Presets:** Designed by Greg for his go-to delays.
- **Save Your Own Settings:** Modify and save delays with or without modulation. Performing a factory reset will restore Greg's presets.
- **SYNC Toggle:** Sync the TAP tempo with the Harmonious Monk for unified control. When **SYNC** is active, the Harmonious Monk's LED blinks once to confirm tempo synchronization, then turns off.

For more information on the individual pedals please visit [jampeds.com](http://jampeds.com)

## SPECIFICATIONS:

**Dimensions:** L 54cm (21.26") | W 25cm (9.84") | H 8.8cm (3.46").  
**Weight:** 3.7kg (8.16 lbs).  
**Power Consumption:** 750mA @ 12V DC (tip-positive).  
**Note:** Use only the included universal power supply.



There are several trimmers located on the Supreme's PCBs, as shown in the diagram below, which allow you to further tweak your sound!

**CAUTION:**

To avoid damaging your unit:

1. Place the pedal gently face down on a soft, non-slippery surface.
2. Carefully remove the bottom screws.

Please note that the bottom cover secures both the main, 2-tier enclosure and the separate Wahcko enclosure. The Wahcko is only connected to the main enclosure via the cables that route audio and power. Be sure to handle all components with care.

**Trimmers:**

1. Sets maximum **Waterfall** speed
2. Treble EQ controls for **Harmonious Monk's** wet sound
3. Mids EQ controls for **Harmonious Monk's** wet sound
4. Bass EQ controls for **Harmonious Monk's** wet sound
5. Sets the input gain of the **Harmonious Monk's** wet path - this will affect the wet signal's output level
6. Sets **Retrovibe's** output level
7. Sets **Retrovibe's** LFO thickness
8. Sets **Retrovibe's** Brightness
9. Sets **Delay Llama mk.2's** max. amount of repeats
10. Sets the **Delay Llama XTREME's** buffered bypass' max. trails decay
11. Sets the **Delay Llama XTREME's** max. amount of repeats
12. Choose if **Delay Llama XTREME's** Time EXP input is controlled by an expression pedal -both switches up - or if controlled by CV signal - both switches down- via mono jack (0-5V, more than 5V or less than 0V might harm components in the circuitry)
13. Sets the **Lycudreamer's** High Gain stage output level
14. Sets the amount by which top end will be reduced when the **Boomster** is set to attenuate highs
15. Sets the amount by which mids will be increased when the **Boomster** is set to boost mids

