

Quick Start Guide

Thank you for purchasing this **WURM 2 Distortion**. We hope you get many years of pleasure and use from this device and if this is your first product from our brand, welcome!

This simple connecting guide should help start you on your journey to sonic creativity. However, if you wish to know all of the pedal's hidden secrets, you can find more info on the product page at:

kma-machines.com

Some quick usage examples:

The original HM-2 had 2-Bands of EQ marked H (High) & L (Low) but in reality, H was actually a High Mid control. We doubled the EQ to 4-bands with the ability to adjust the centre frequencies internally, greatly increasing the versatility of the circuit. So, to get that classic Chainsaw tone, set the Drive and Level to max, select HM-2 EQ Style (if you've adjusted the internal trim pots make sure they are centred) and only max out the LOW and H-MID controls, else you are boosting additional frequencies not available on the original pedal. Still, having all of that additional tone shaping power can really help you mould your own brutal tone, so experiment until you find the killer sound that works for you!

In addition to HM mode, we developed our own EQ stack which is a little more tonally balanced, less peaky and a bit wider in response. If balanced and less peaky sounds too boring for you, select BOTH to fatten and double up the tone stacking, letting you ramp up the LOWS and the H-MIDS and rip that Swedish forest completely to shreds! However, with all of this extra tone shaping, the pedal can sometimes begin to feedback at extreme settings. So, if this proves too much and to help tame that high-frequency content, we added an internal control to smooth things out. By flipping the dip-switch to activate the input filter, this will help to tame the high frequencies when absolutely everything is maxed out.

WURM 2 Main Specifications

- High-Gain Metal Distortion pedal
- Modern take of the classic and now sought-after original Boss HM2 MII
- Wide range of metal-distortion tones
 - from chainsaw, to plain evil and gritty
- Highly configurable 4-band active EQ
- 3 distinct types of EQ frequency controls to tailor your tone
- Compact enclosure with top-mounted jacks - will fit into any setup
- True Bypass, with silent relay-based soft switching
- Handmade in Berlin, Germany

Power requirements:

9 V DC, centre -, 2.1 mm, 50 mA max. current draw



Made in Berlin, Germany since 2013

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WURM 2 QSG V1.01

KMA
MACHINES



WURM²
DISTORTION

Quick Start Guide

MAIN OUTPUT
Connect your amplifier/next series of pedal(s) or other audio devices here

MAIN INPUT
Connect your instrument or other audio devices here (Guitar/Bass/Synths etc.)

VOLUME
Controls the overall output level of the pedal

TERROR
Controls the amount of grinding distortion

INTERNAL CONTROLS
EQ Centre Frequencies

LOWS	L-MIDS	H-MIDS	HIGHS
<p>90 Hz 60 Hz 150 Hz</p>	<p>425 Hz 300 Hz 1.05 kHz</p>	<p>1.3 kHz 950 Hz 3.2 kHz</p>	<p>2 kHz 1.4 kHz 5 kHz</p>

**Depending on EQ STYLE, each band has an internal trim-pot to change/shift the semi-parametric centre frequency and fine-tune your tone even further, if the need arises and to suit your own sound goals.

INPUT FILTER
 ON Activates a high-cut at the Distortion input to reduce the risk of oscillation when cranking the Gain/Master and all the EQs to max - set to taste.

EQ-STYLE**
HM-II: Selects HM-2 Style H-MIDS EQ with fixed internal Centre Frequency (labelled as "HIGH" on orig. HM-2)
KMA: Selects KMA designed H-MIDS EQ with adjustable internal Centre Frequency
BOTH: Combines both EQ-Styles

H-MIDS
Gives you a +/- 8 dB boost of high/gritty mids at 1.3 kHz*

HIGHS
Gives you a +/- 8 dB boost of top-end/presence at 2 kHz*

FOOTSWITCH
Activates the pedal

L-MIDS
Gives you a +/- 8 dB boost of thick mids at 425 Hz*

LOWS
Gives you a +/- 8 dB boost of low-end at 90 Hz*

