QUICK START GUIDE

Thank you for purchasing this 8raw8, the 808 analog expander. This unit is the result of hours and hours of sourcing, prototyping, soldering, testing, listening... Every little resistor was soldered by hand, every little transient was checked by ear. We sincerely hope you'll have the same fun using it as we had making it.

Before you start jamming, please read the following instructions to enjoy your experience to the fullest :

1) Plug !

-Verify all your equipment is turned off.
-Connect your external midi sequencer/keyboard to the 8raw8's midi input.
-Connect the master output (Line level / Unbalanced mono) to your mixer, soundcard input, active monitor...
-Turn down the pots.
-Connect the 24V DC / 750mA external power supply plug to « Power DC ».
-Switch ON the 8raw8.

The power led should be lit and the midi activity led should flash one time, indicating your 8raw8 is ready to receive midi data.

You can plug the separate voice outputs (Line level / Unbalanced mono) to other channels of your mixer if you want to process drum sounds independently. By doing this, the voice sound will be removed from the master output.

2) Operate !

This 8raw8 operates on midi channel 8 by default, and receives midi note messages only.

- Set your sequencer/midi keyboard output to channel 8.
- Turn the Master Vol, BD Tone, BD Decay potentiometers to mid position.
- Play the C3 note and gently turn up The BD Vol. potentiometer.
- You should hear a smooth Bassdrum...

Here is the standard MIDI note/voice mapping :

CHANNEL 8

Midi Note	Voice
C3	Bassdrum
C#3	Snaredrum
D3	Lowtom/conga
D#3	Midtom/conga
E3	Hitom/conga
F3	Rimshot/claves
F#3	Cowbell
G3	Handclap/maracas
G#3	Cymbal
A3	Openhihat
A#3	Closedhihat
B3	Accent

IMPORTANT NOTE:

- MIDI time response is crucial when it comes to drums. To get the best results, try not to overload the MIDI signal path with dozens of midi devices. Ideally, use short lenght MIDI cables and make sure the 8raw8 is recieving it's own MIDI notes only.

SETTING THE MIDI CHANNEL:

Press the « Learn » button at the back of your unit while powering it ON. The Midi activity led will be flashing, indicating your 8raw8 is waiting for Midi Data.

Once the Led is flashing, simply feed your 8raw8 with a random Midi note at the desired Midi Channel. The unit will save the new Midi channel and return to normal operation.

Please wait 30s for a complete capacitor discharge when powering off and on.

Here is the functionality of each front pannel potentiometer/switch :

Accent : Accentuates the volume/tone on the desired steps of your drum pattern. Use it via Midi note in combination with drum sounds.

BD Lev. : Bassdrum volume level
MOD on/off switch : Activates the Bassdrum tune MOD
MOD Tune : Modifies the Bassdrum pitch when MOD on/off is 'on'
BD Tone : Bassdrum tone/attack
BD Decay : Bassdrum decay

SD Lev. : Snaredrum volume level
SD Tone : Snaredrum tone
SD Snappy : Snaredrum whitenoise

LT Lev. : Lowtom/Lowconga volume level
MT Lev. : Midtom/Midconga volume level
HT Lev. : Hitom/Hiconga volume level
LT, MT, HT Tune : Toms/Congas pitch

RS Lev. : Rimshot/Claves volume level

HC Lev. : Handclap/Maracas volume level
HC Vca : Controls the Handclap vca. WARNING : pushing the vca to its limits will produce a loud, harsh Handclap. Be careful with your speakers. There is no electronic risks for your 8raw8.
Without triggering the voice, you can only hear the white noise passing through the vca. It can create cool effects with the addition of reverb/delay on a separate channel of your mixer for exemple.

CY Lev. : Cymbal volume level
CY Tone : Cymbal tone
CY Decay : Cymbal decay

OH Lev. : Openhihat volume level
OH Decay : Openhihat decay

CH Lev. : Closedhihat volume level

CB Lev. : Cowbell volume level

TRIGGER INPUTS (optional):

The optional 3.5mm buffered trigger inputs are located above the 6.35mm output jacks.

- Always use positive pulse (+5V to +15V) triggers.

- Pulse lenght doesn't matter.

Using negative pulses or pulses above +15V might damage the unit. If you are not sure about your equipment trigger outputs, please verify the pulse shape in the manual.

Positive +5V to +15V pulses includes Eurorack modular, Arturia Beatstep Pro sequencer, Sequentix Cirklon sequencer (norm mode), and many other equipment...

The 8raw8's 3.5mm trigger inputs are logic gates, please do not connect any audio cable.

3) Enjoy !

You're now ready to use your 8raw8 properly. If you have any issues, questions or feedbacks : please contact us via contact@8raw8.com

8raw8 #XXX Warranty will start XXX and end XXX. dd/mm/yyyy.
Please note that warranty will be lost if the unit is opened or damaged by user (external shock, presence of liquids). Please use your 8raw8 in good conditions.