HEXINVERTER ÉLECTRONIQUE

MINDPHASER

NEXT GEN COMPLEX VCO

Each sound begins with two precision analog oscillator cores, which share base DNA but diverge in functionality. Both cores generate fundamental waveshapes which interact and mangle one-another through the Complex Modulation Bus and TZ-PM bus.

Toggle the **RAMP** output to saw for each core.

A dedicated **CV INVERSION BUTTON** for each bipolar **MOD BUS** destination. A red indicator illuminates when inverted.



The Modulator's **RANGE** switch lets you quickly flick up and down between audio-rate octaves and LFO speed. Perfect for experimenting with different sidebands during PM or zeroing in on frequencies of interest.

MODULATOR

An extremely wide range oscillator, spanning from deep LFO frequencies all the way up to supersonic sound!

Activating hard **SYNC** on the Modulator locks its core to the Carrier's heartbeat. The effect can be dramatic. Try this while phase modulating!

WAVESHAPER

A toolkit designed to dynamically alter the harmonics of the Carrier!
WAVEFOLD over 5 octaves of mixed harmonics. A ceiling forms near maximum.
FEEDBACK the wavefolded and phase-modulated signal.
AMPLITUDE modulation spans thru-zero, or can be used as a VCA.

TZ-PM BUS

The **PHASE** in Mindphaser! This is where analog thru-zero phase modulation happens, separate from the cores.
A dedicated **INDEX** separate from the Mod Bus. The **SOURCE** input will override the default Modulator sine wave.

SHAPE MODE

Two distinct shape modes dramatically alter wavefolding and overall character of the waveshaper.

MOD BUS

This is Mindphaser's internal modulation routing HQ! Select which of the Modulator's waveforms to use.
Override the Modulator with the **SOURCE** input. Any parameter that has a triangle glyph by its input can be modulated internally through the bus.

CARRIER

The heartbeat of Mindphaser. Drives the WAVESHAPER and TZ-PM bus. This core's frequency range spans the audible spectrum.
A hard **SYNC IN** forcibly resets the core, used for punchy sequences and creative effects.

EURORACK FORMAT

CYBER PUNK

QUICK SPECS

WIDTH **30HP**

DEPTH **24mm**

CURRENT DRAW **+188, -107mA**