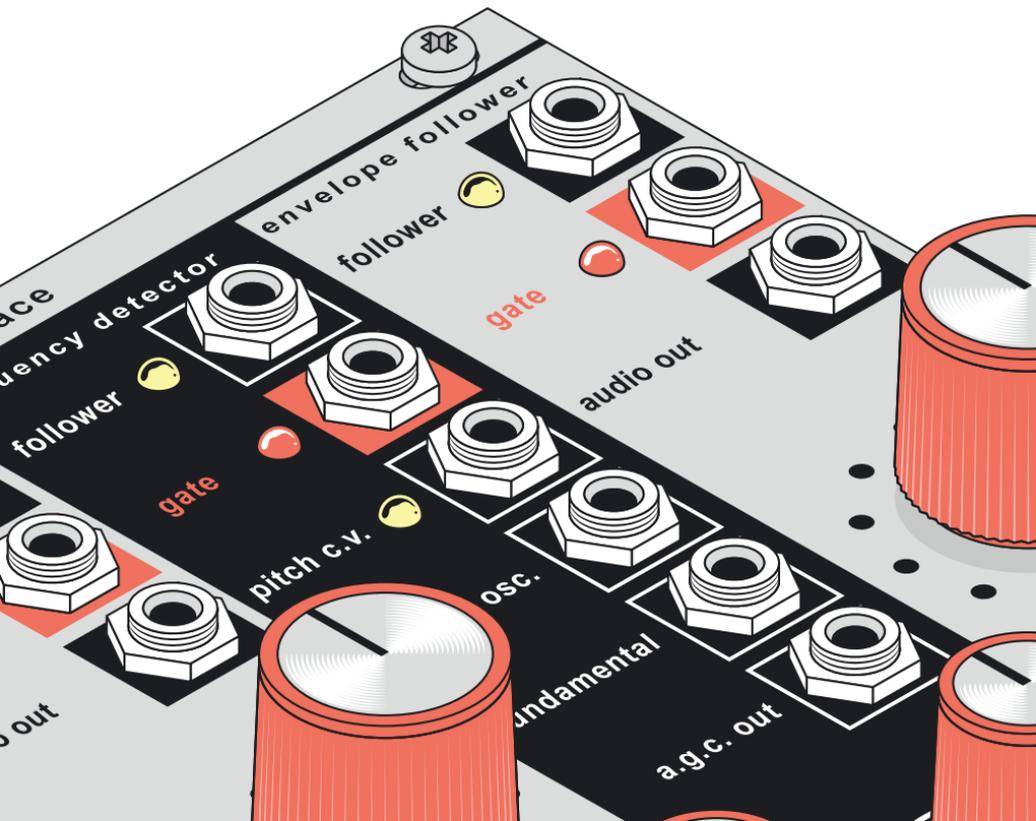


 **VERBOS ELECTRONICS**

Real World Interface



The Real World Interface is a Euro-rack format module intended to allow signals from outside the modular system to be brought in. Included is the ability to bring signal levels up to modular level as well as to extract control signals related to activity in the source.

*The panel is divided into 3 sections from left to right. The sections on the left and right include an internal microphone, a mic **pre-amp** with built in power for electret condenser mics, an envelope follower with variable **decay** and gate extractor. The middle section has the same mic pre-amp followed by a Automatic Gain Control (a preset aggressive compressor), Fundamental Extractor (a tracking lowpass filter), a **locked oscillator** that puts out a sine wave at the same pitch as the input signal and a **pitch c.v.** output. It also includes an envelope follower and gate extractor.*

Signals from microphones, pickups, drum machines, tape machines, DAWs, other parts of the modular or even the built in microphones can be boosted up to modular level and patched through other parts of the modular. Their level envelope can be followed to make filters sweep or delay times change. Signals can step ahead sequencers or random stored voltage sources. They can be compressed and filtered. Their pitch can be followed or if they are percussive or atonal and don't have a clear pitch, the frequency detector can generate unpredictable (but often useful) results. Using an electret condenser mic intended for video cameras, it is possible to control a modular with nothing but the user's voice.

18HP • 180g • +12v 75mA • -12v 45mA

follower output

pitch c.v. output

follower output

gate output

*locked oscillator
sine wave output*

gate output

audio output

*fundamental
output*

*automatic gain
control output*

*follower decay
control*

*input gain
control*

follower input

internal microphone

*frequency detector
input*

follower input

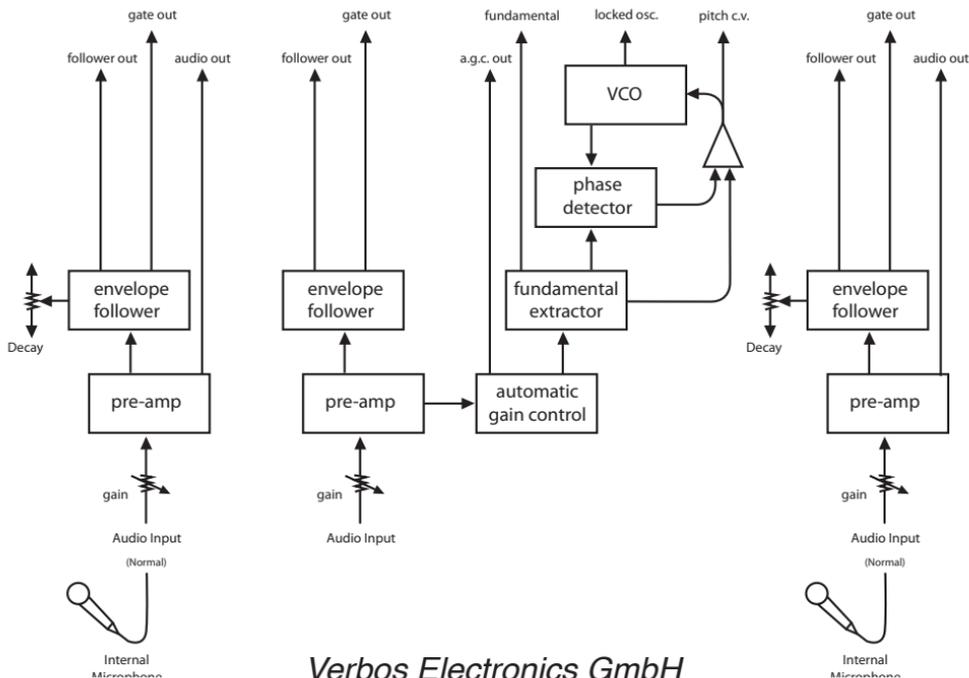




VERBOS ELECTRONICS

designed and assembled in Berlin, Germany

Block Diagram



Verbos Electronics GmbH
info@verboselectronics.com
www.verboselectronics.com