

# DYNAMIC



. . . is a harmonic effect system.

The fundamental frequency is determined and the harmonics are calculated to control filter bands.

The fundamental frequency can be found in 3 ways:

1. **Audio:** The sound source connected to the AExt input is analysed.
2. **GUI:** A fader controls the fundamental frequency, and you are able to assign a Midi Controller to it.
3. **Midi:** The Midi notes receiving on Midi Input are translated in frequency.

The input, output and each of the 8 bands have a +12dB amplifier.

The output and each band have an Insert Slot.

Each band, except the fundamental frequency could be detuned.

And the base for the calculation of the fundamental frequency in Midi mode (440Hz) could be changed too.

## The GUI elements in detail:



Control Mode: how the fundamental frequency is determined

- \_Audioinput AExt
- \_GUI controls
- \_notes receiving on Midi input

Level display of the Audio input In

Amplifierpoti -60dB to +12dB neutral position = 0dB

The Ledring shows the peak of the signal peakholdtime=750ms

Actual amplification in dB

AExt: Is only in Control Mode Audio relevant!

The text display shows the Audio source to be analysed.

Is Dynamic loaded as effect in an Insert Slot the source is selected over this field. With the button you can switch to Aint. Done so the Audio signal receiving on In input is routed to the analysing circuit.



Usual Presets, Bypass, On Top und Close Panel buttons

Wet / Dry fader

Insert Slot with active button  
Level display of the Audio output Out

Amplifierpoti -60dB to +12dB neutral position = 0dB  
The Ledring shows the peak of the signal peakholdtime=750ms

Actual amplification in dB



Mute button (a muted band is taken from DSP)

Insert Slot with active button  
Actual frequency display

Amplifierpoti -60dB to +12dB neutral position = 0dB  
The Ledring shows the peak of the signal peakholdtime=750ms

Actual amplification in dB

Base frequency for the calculation in Midi mode

Instead of the frequency display field the other bands have a fader. With the faders the bands are tuned. Normal position = harmonic. (-1./fundamental/1./2./3./5./7./11. overtone or -1./1./2./3./4./6./8./12. Harmonic)



Channel: Is Dynamic loaded as effect in an Insert Slot, this display shows the channel name.

Output Mode: In normal mode the bands can be muted individual. The button switches to solo mode where only one band at a time can be active.



With the fader you are able to control the fundamental frequency in Control Mode 2 (GUI) with your mouse. The fader could be assigned to a Midi Controller to control the frequency for example with a foot pedal. The Hz text displays show the actual Min/Max values of the fader. You are able to modify them free as long as min is smaller than max.

Good vibes

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