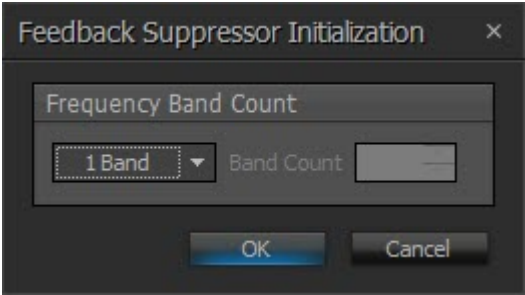


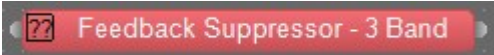
Feedback Suppressor

Initialization Dialog

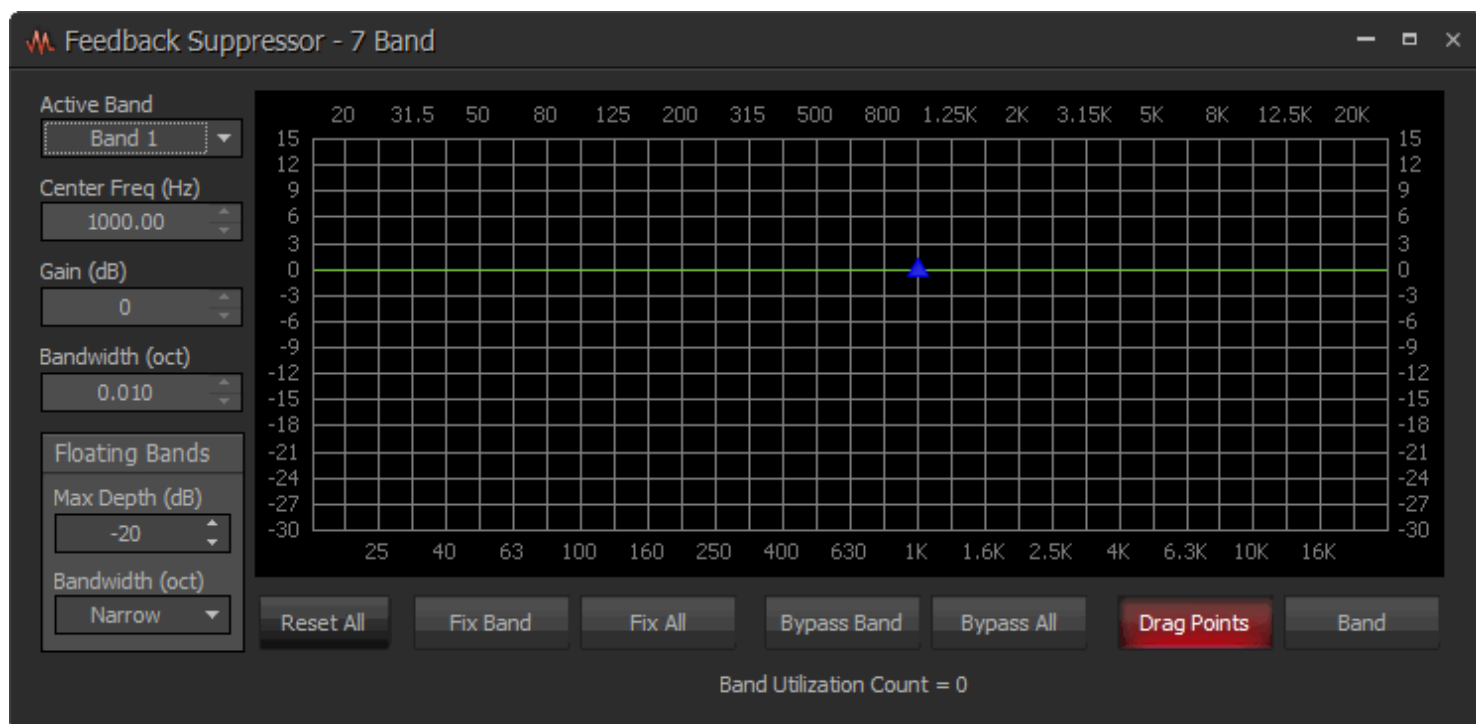


Name	Description
Frequency Band Type	Up to 16 bands can be specified.

DSP Block Representation



Feedback Suppressor

[Click here to see this page in full context](#)

Feedback Suppressors behave like an automatic, cut-only Parametric Equalizer. They utilize 'floating' bands of equalization which detect and remove feedback frequencies.

Active Band selects the current band for which settings will be displayed. The following three parameters are read only when the band is set to floating, and are editable when the band is set to fixed. **Center Freq (Hz)** displays the center frequency for the current band. **Gain (dB)** displays the amount of cut applied at the center frequency for the current band. **Bandwidth (oct)** displays the range of frequencies, above & below the center frequency, which are affected by the current band. For the Floating Bands, **Max Depth** restricts all floating bands to a selected maximum depth (cut) and **Bandwidth** (Narrow = 1/40-octave; Wide = 1/10-octave).

Reset All temporarily returns the gain of all floating bands to 0dB (flat). **Fix Band** and **Fix All** allow the band(s) to become manually adjustable (non-floating). **Bypass Band** and **Bypass All** disable the band(s) without changing settings. **Drag Points** turns on/off the band controls, revealing the resultant curve only. **Band** highlights the current band inside the graph. **Band Utilization Count** indicates the number of floating bands currently being employed.

NOTE: Feedback Suppressors are fairly intensive in their use of DSP resources. They are limited to a maximum of sixteen bands, however, in most applications the number of actual bands used should be significantly less. Fixed bands in a Feedback Suppressor may be copied to a Parametric Equalizer. When applicable, this may be a more DSP efficient choice.