

Gate

Software Applications

May 2013

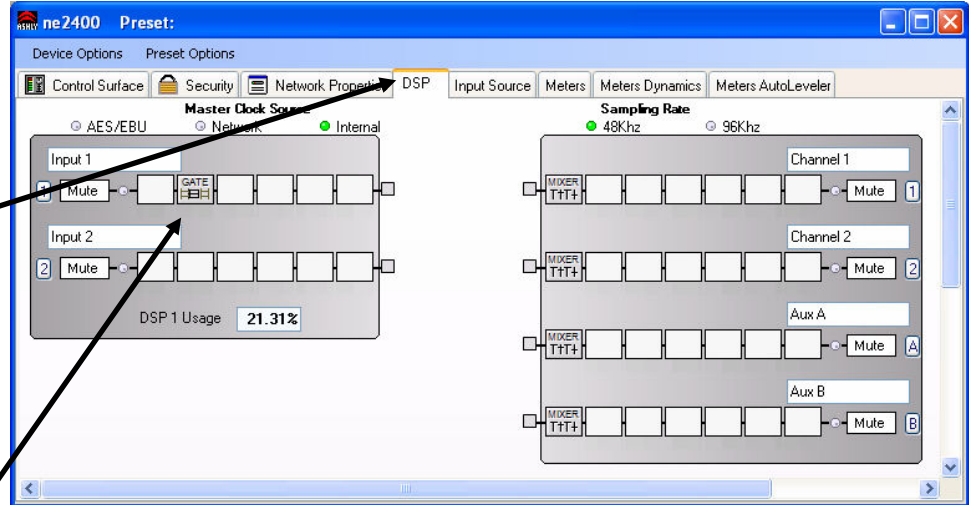
Noise Gates, or Gates, can be used to minimize unwanted, low level signals from an individual input. Threshold is the level above which an input signal will pass through, below which its signal is attenuated by the Range value.

Please see the Protea Software Suite "Help > Contents and Index" for additional details.

Gate:

- Pema Series (all models)
- ne4250pem
- ne8250pem
- ne800pe
- ne1600pe
- ne2400pe
- ne4400 (all)
- ne4800 (all)
- ne8800 (all)
- ne24.24M (inputs only)
- nXp (all)

Left click the DSP tab



Right click selected box>Dynamics>Gate
Gate blocks are assigned to each input or output as needed.

Threshold

The minimum signal level required to "open" the gate and allow signal to pass.

Range

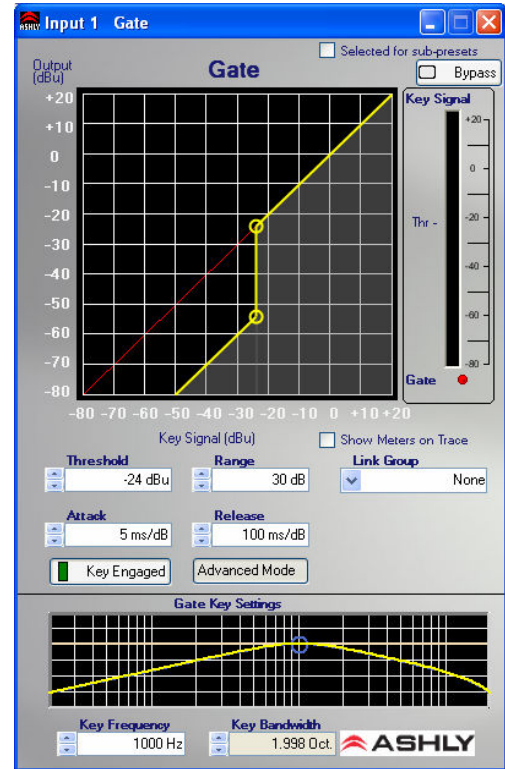
The amount of attenuation applied to the signal when the signal is below Threshold. The signal can be turned down (30dB down as shown) or all the way off.

Advanced Mode

Some Ashly devices have a more advanced gate which allows the user to specify a Key filter for the gate. This filter does not affect the signal, but allows the gate to "open" or "close" based on a selected frequency. This can be useful when attempting to gate a specific source.

Use the Key Signal meter to position the Key filter at the best frequency.

This Key filter is only engaged when the Key Engaged button is green.



The example shown will lower the input 30dB until a signal with 1kHz content is detected.

Visit www.ashly.com to download Protea NE software and data sheets