

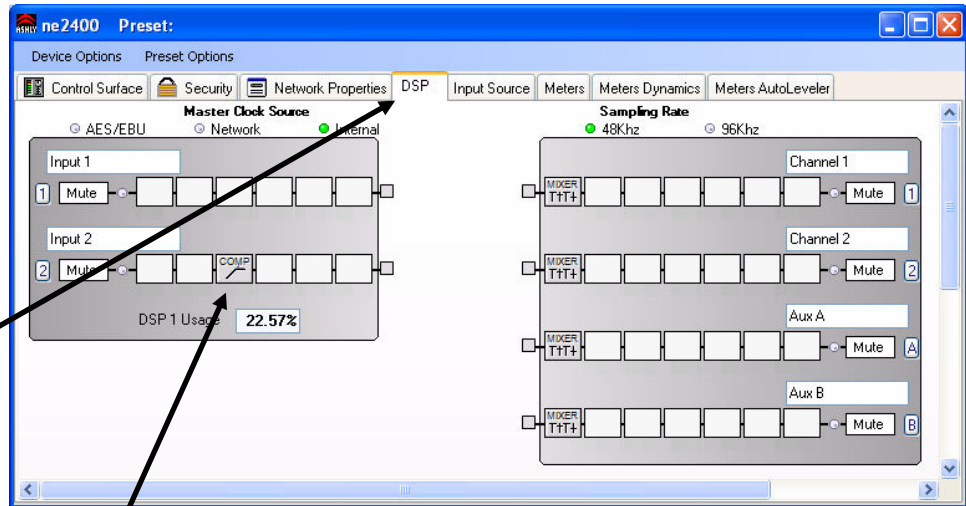
Compressor

Software Applications

May 2013

The Compressor function is a full featured Compressor/Limiter. It allows for user-adjustable Threshold, Ratio, Attack Time, Release Time and Detector type. The Compressor also allows for assignment to a Link Group to facilitate adjustment of multiple Compressors/Limiters simultaneously. A separate Attenuation Bus assignment is provided to allow multiple limiters to force their gain reductions to track each other. For simple peak limiting, the Brick Wall Limiter can also be used.
 Please see the Protea Software Suite "Help > Contents and Index" for additional details.

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



Left click the DSP tab

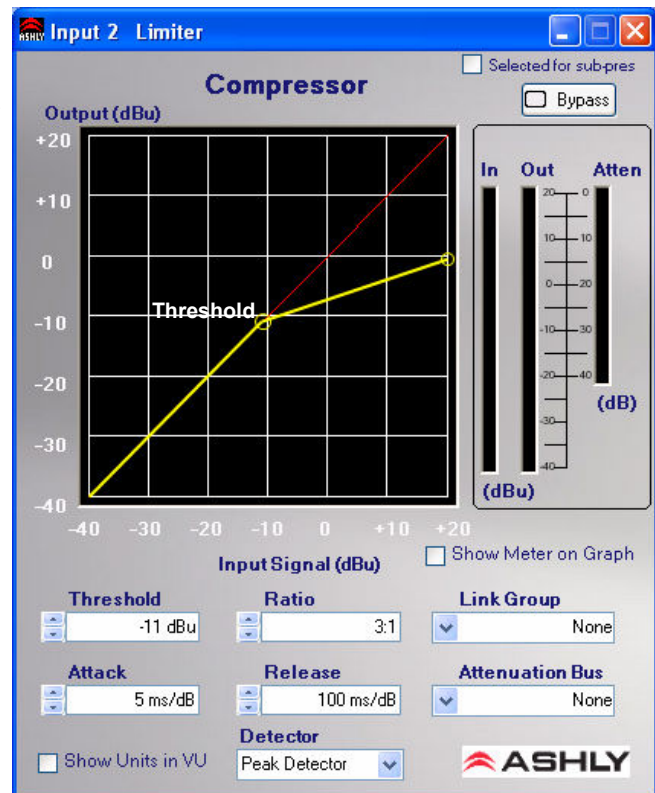
Right click selected box>Dynamics>Compressor
 The Compressor function is designed to provide protection from sudden input peaks that can damage the system.

Often a compressor is used to tighten up vocals or instruments

Start with a 3:1 ratio and the default attack and release settings. Threshold should be initially set slightly above normal input levels. Monitor the "In/Out (dBu)" meters to see the start of compression.

Parameters

Threshold: The signal level at which the Compressor begins to attenuate the signal. (+20 to -20 dBu).
Ratio: The amount of attenuation to the signal above the Threshold point.
Attack Time: The rate (in ms/dB) at which the Compressor attenuates the input signal, once the signal reaches Threshold.
Release Time: The rate (in ms/dB) at which the Compressor attenuation will return to normal, once the signal falls below Threshold.



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