

# Ducker

## Software Applications

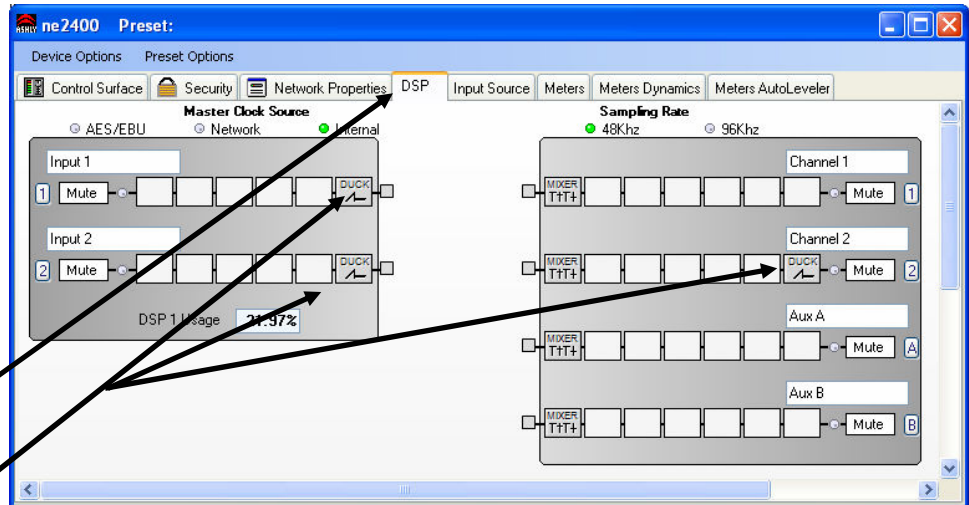
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The Ducker is used to attenuate the level of selected channels when one or more "Priority" (trigger) channels has signal present. This is typically used in paging applications where a common input signal such as background music needs to be attenuated when signal is applied to a specific channel (e.g., a paging microphone).

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

**Ducker:**

- 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>Ducker

Ducker blocks are assigned to each input or output that is to be affected.

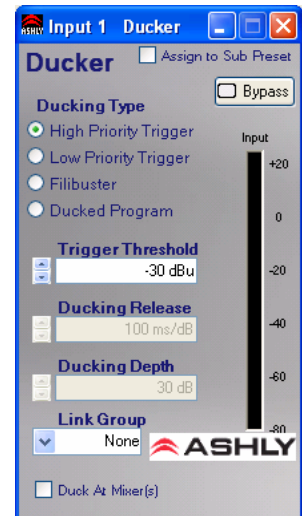
**Ducking Type**

High Priority Trigger: When signal is present on this channel, all channels set to "Low Priority Trigger" "Filibuster" "Ducked Program" will be muted.

Low Priority Trigger: When signal is present on this channel, all channels set to "Ducked Program" will be attenuated by the depth specified on that channel. All channels set to "Filibuster" will be muted.

Filibuster: First "Filibuster" channel with signal present mutes all other "Filibuster" channels. All "Ducked Program" channels will attenuate to assigned Ducking Depth

Ducked Program: When signal is present on the above channels, any "Ducked Program" channels will attenuate to assigned Ducking Depth.



**Basic Parameters**

Ducker Type: The type of ducker for this block (High and Low Priority Trigger, Filibuster and Ducked Program).

Trigger Threshold: The signal level on a trigger channel, at which point, all ducked program channels are attenuated.

Ducking Release: Determines the time the ducked program stays attenuated after the trigger input signal has fallen below its threshold.

Ducking Depth: Determines how much attenuation is applied to input channels set for ducked mode.

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