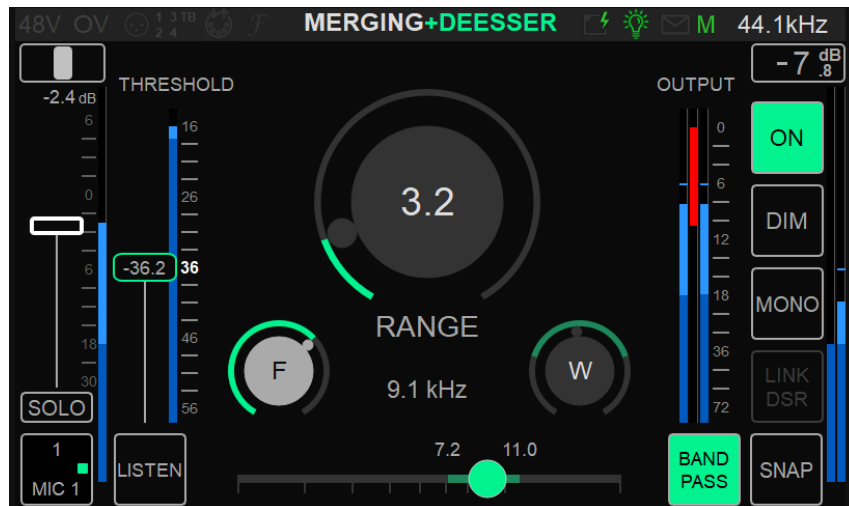


# MERGING+ ANUBIS

## MERGING+DEESSER

*Merging+Anubis optional plugin*



## User Guide

## MERGING+DEESSER

### Introduction:

Optional plugin in Anubis used to attenuate, reduce sibilance or harsh high-frequency sounds that come from dialogue, vocals, instruments or percussions. Sibilance is a type of sound that often seems harsh in the context of a recording. Typically, "S" and "T" are the worst offenders.

The De-esser can also be used to remove the harshness of drums cymbals (Overhead mics).

The Merging+Deesser is available in the ultra-low latency Mixer of Anubis and ideal for singers tracking vocals live, it can also be used on mixes to remove harshness.

### Optional Plugin:

The Merging+Deesser comes as an option that can be purchased from the Merging Online Store. At purchased a key will be issued, the user must then open the Merging License Manager from either: MAD, VAD ANEMAN or MT Discovery and enter their Deesser keycode to activate the plugin in the Music Mission.

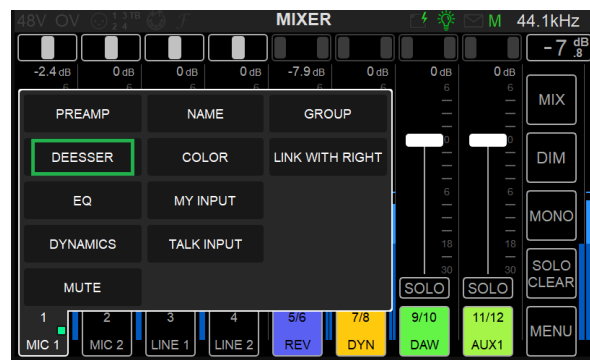
*Note: Supported as of Firmware version 1.4.0 and higher.*

### Activation:

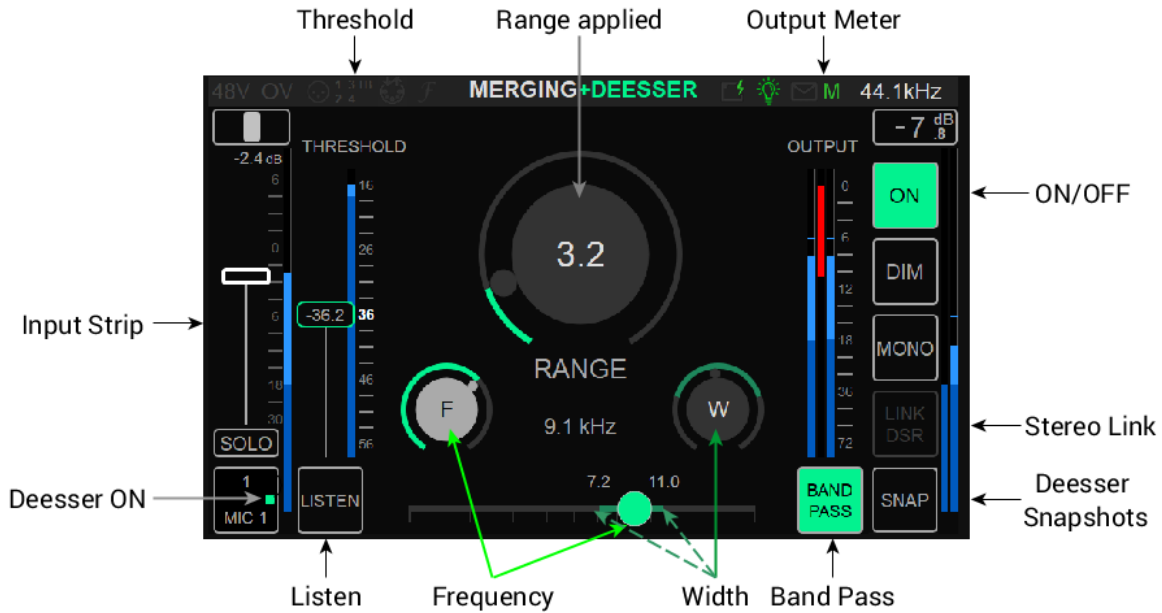
Once having purchased the Merging+Deesser you will receive an activation code in your emails. Follow the Merging License Manager (MLM) guidelines in order to activate your plugin.

<https://merging.atlassian.net/wiki/spaces/PUBLICDOC/pages/4820305/Merging+License+Manager+MLM+>

Once activated the Merging+Deesser will be available from the Music Mission channel strips as an additional plugin



**MERGING+DEESSER PARAMETERS**



**Threshold**

Threshold adjusts the level above which attenuation takes place in the SideChain. To adjust the threshold, move the fader down until the 'esses' are sufficiently reduced.

*NOTE: lowering the threshold too much will result in a muffled sound (i.e. too much attenuation).*

Value: 0 to -96dB (same as today's Dynamics threshold)

**Range**

The Range knob scales the gain reduction so that the operator can easily change the desired amount of de-essing.

Determines how much gain reduction the De-Esser applies when the signal passes a threshold level. For example, an intensity of 4:1 means that for every 4 dB the signal rises above the threshold, the De-Esser will allow an output of 1 dB.

Value: 0 to 24db

**Band-Pass**

Uses Band-pass sidechain filtering. Only the high frequencies get attenuated when sibilance is detected. The lower band remains untouched. High Pass mode can be used for de-essing full mixes, bus groups, or complex audio material. If you have several different types of 'ess' noises you wish to reduce, the HighPass filter is recommended.

Value: On/OFF  
Default: Disabled.

**Frequency**

Operates the Sidechain channel EQ frequency filtering. Isolate the frequency range that's causing the most sibilance. When that frequency range gets too loud, the Deesser turns it down.

Sibilance in men's voices is often on the lower end of this range, around 5-7kHz. With women's voices you'll often find sibilance around 7-9k. This isn't always the case though, so make sure you use the "Listen" feature as you pick your center frequency.

Value: 2kHz to 20 kHz

## Width

Operates the Sidechain channel EQ frequency filtering.

This controls the Q parameter of the bandpass filter used in the detection and reduction of sibilant frequencies in the audio source. A high Width value will help the Deesser detect and reduce a very sharp sounding sibilant, while a lower value will reduce more noisy sibilants.

The user can choose the range of the attenuated frequency selected so that a wider value will catch a larger band of de-essing sibilance's.

Value: 1 to 100%

## Listen

Allows the operator listen to only the signals of the SideChain and identify the frequency location of the sibilance's to attenuate.

While in Listen mode, you can easily set a correct trigger threshold. Afterwards, disable the Listen mode and you'll hear the Deesser on the main track that will apply the sound of the side-chain track.

Value: Enable/Disable.

Default: Disabled.

## Output Metering

The output level meter and the gain reduction meter (red) provide an immediate overview of the current output and gain reduction levels of the Deesser applied.

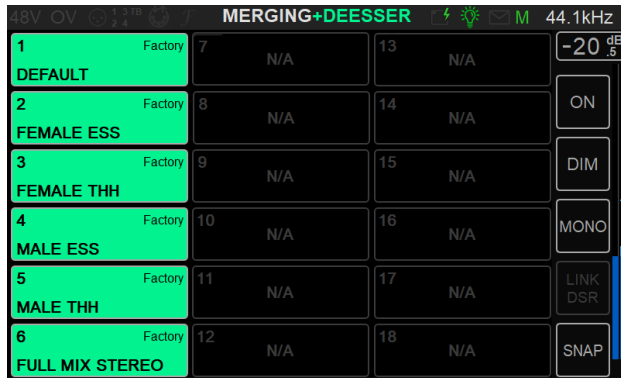
The greater the Range value the more attenuation will take place.

## Linked

Using the single Stereo Link knob and its Stereo Link Mode button (only available in the stereo version of the plug-in of course), you can both set a variable stereo linking for the trigger input signal.

## SNAPSHOTS

18 snapshots are available for the MERGING+DEESSER 6 of those being factory snapshots. Save and recall your Anubis Deesser snapshots or exchange them with other users.



**Factory Presets**

**1: Default:**

The default settings are suitable for almost any speech or song recording. As with all presets, simply adjust the Threshold until some attenuation takes place, then adjust the Freq to affect the desired range.

**2: Female ESS:**

Female speech and singing generally has higher, sometimes much higher-pitched ‘ess’ sounds than male. As with all the factory setups, the frequency settings were determined by averaging a large number of voices. The Freq may have to be adjusted a large amount to accommodate a certain voice - with some female voices, the ‘ess’ sounds can range as high as 11kHz center points!

**3: Female THH:**

Generally covers the female ‘Thh’ range which, although lower than the ‘esses’, is not as harsh or as low as the male ‘Thh’. Generally, female ‘esses’ and ‘shh’ sounds vary more in frequency than males. In other words the various frequencies of the ‘esses’ and ‘Thh’ sounds of a female may have a wider frequency range than those of a male. If a singer has ‘esses’ spanning a large range of frequencies, enable the BandPass.

**4: Male ESS:**

As most males have lower ‘ess’ frequencies than females. An exception may be older men who sometimes have rather strong and rather high-frequency whistling. Therefore, this setup covers the lower range of possible ‘esses’ for the average male. If a singer has ‘esses’ spanning a large range of frequencies, enable the BandPass.

**5. Male THH:**

Most ‘Thh’ sounds are nearly one octave lower than ‘ess’ sounds. However, if the Freq is set too low, then too much of the sound is affected. The Deesser will ‘reach’ down to about 4kHz, but with lesser and lesser.

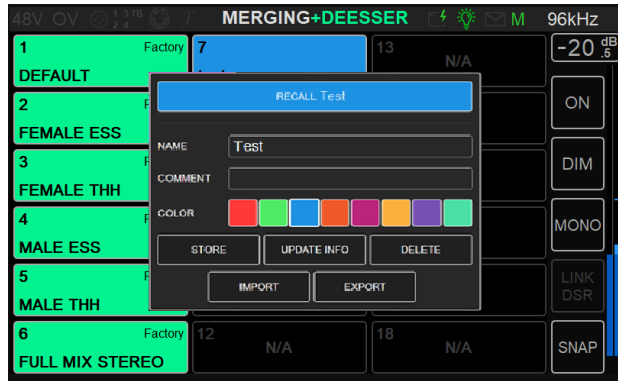
**6. Full Mix Stereo:**

Remove the harshness of a mix, this sharpshot can be applied in stereo to linked channels and comes with the BandPass enabled that can really soften a mix.

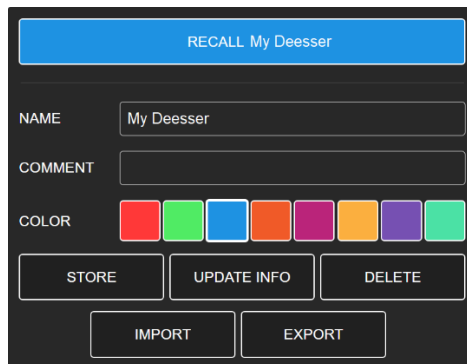
**Import and Export of Snapshots**

(as of firmware 1.4.3 and above)

Users can Import or Export individual Snapshots locally on their system to re-import to another Anubis or to share with other users (applies to effects as well: EQ, Dynamics, Reverb, Deesser and Blackhole)



When opening a Snapshot with your browser, you will notice an Import and Export buttons allowing the user to name their preset and export them to the connected system. Those can later on be re-imported from this Anubis or from another Anubis.



The file extension of the snapshots is .mumi and will be preceded by the Name, the Effect Type and the Position. e.g. My\_Deesser\_Deesser\_7.MuMi