

# SOAP

## Voice Cleaner User Manual

### 1. Help Button

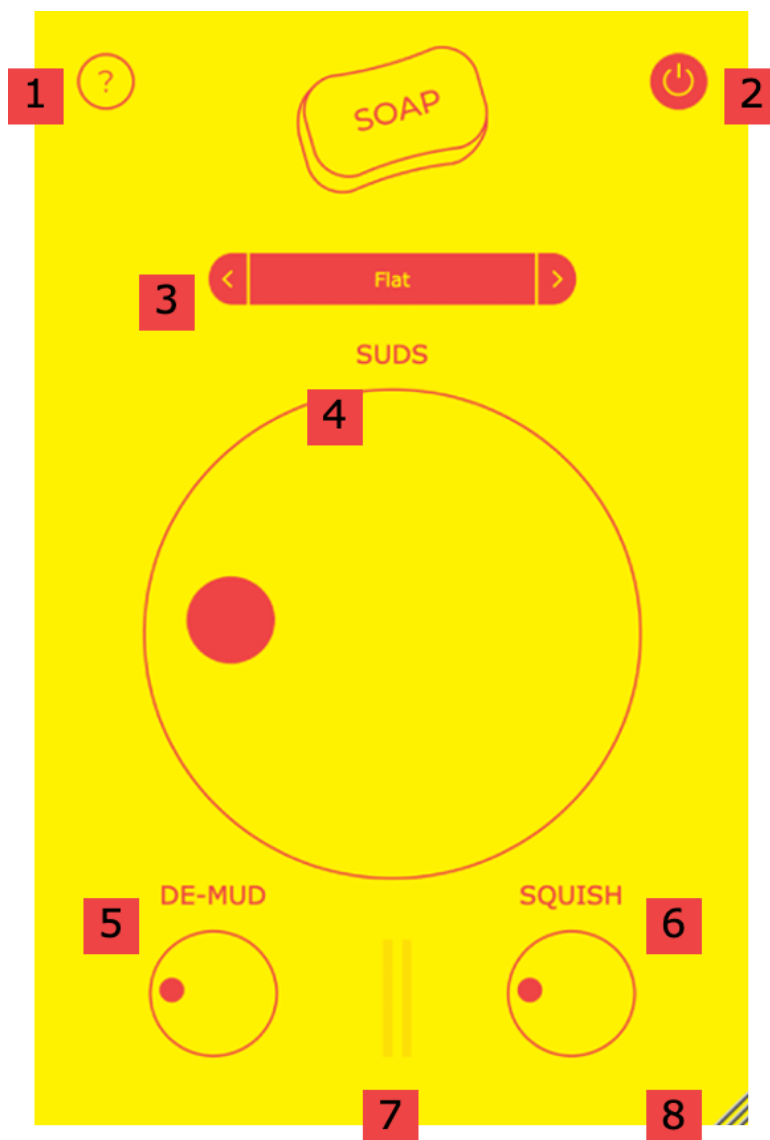
When the **Help Button** is engaged (colored red), hover your mouse over any component inside of the SOAP's user control panel for a brief summary of the individual component's function. Note: hovering over the **Bypass Button** will display the current version of SOAP installed on your computer.

### 2. Bypass Button

When the **Bypass Button** is red, SOAP is actively processing the incoming audio signal. Turn this button on and off to hear the before and after of the signal processing SOAP is applying to the incoming audio.

### 3. Preset Selector

SOAP includes individual audio processing profiles specifically tuned to enhance speaking voices recorded on many of the most popular content creation microphones. The text in the center of the **Preset Selector** will always display the currently selected audio profile. Clicking on this text (displayed in figure one as "Flat") will produce a dropdown menu where you can choose between the array of profiles included with SOAP. Alternatively, you may use the arrow buttons to the left and right side of the **Preset Selector** to cycle through the various options.



#### 4. **SUDS Knob**

The **SUDS Knob** increases the brightness and clarity of the incoming audio signal while simultaneously causing the equalization profile currently selected on the **Preset Selector** to be more or less extreme. After this equalization stage, the incoming audio is sent to a fixed threshold dynamics limiter that algorithmically analyzes the audio with 5ms of lookahead to prevent any extreme loudness peaks. Hover your mouse over the **SUDS Knob** for the current percentage of activation (default is 20%).

#### 5. **DE-MUD Knob**

The **DE-MUD Knob** works to remove rumble and boominess from the incoming audio signal by applying a high pass Linkwitz-Riley filter. With the **DE-MUD Knob** at 0%, SOAP filters out any audio below 80Hz while at 100%, SOAP filters out any audio below 150 Hz. Hover your mouse over the **DE-MUD Knob** for the current percentage of high pass filtering (default is 20%).

#### 6. **SQUISH Knob**

The **SQUISH Knob** raises the gain of the incoming audio signal while simultaneously lowering the threshold on a fixed ratio (8:1) dynamics compressor to offer increased closeness in perception and understandability. The audio is then sent to an initial stage of fixed threshold dynamics limiting to catch extreme loudness peaks before the audio is equalized. Hover your mouse over the **SQUISH Knob** for the current percentage of dynamics assistance (default is 20%).

#### 7. **Metering**

SOAP offers stereo dynamics metering on the bottom of the control panel by visually representing the current RMS of the incoming audio signal. If the inputted audio is a single channel (mono), the left and right channels of the **Metering** will display the same value.

#### 8. **Resize**

SOAP offers resizing of the user control panel on the bottom left. Click and drag the **Resize** handle to change the size of the entire plugin in reference to your personal computer screen.

