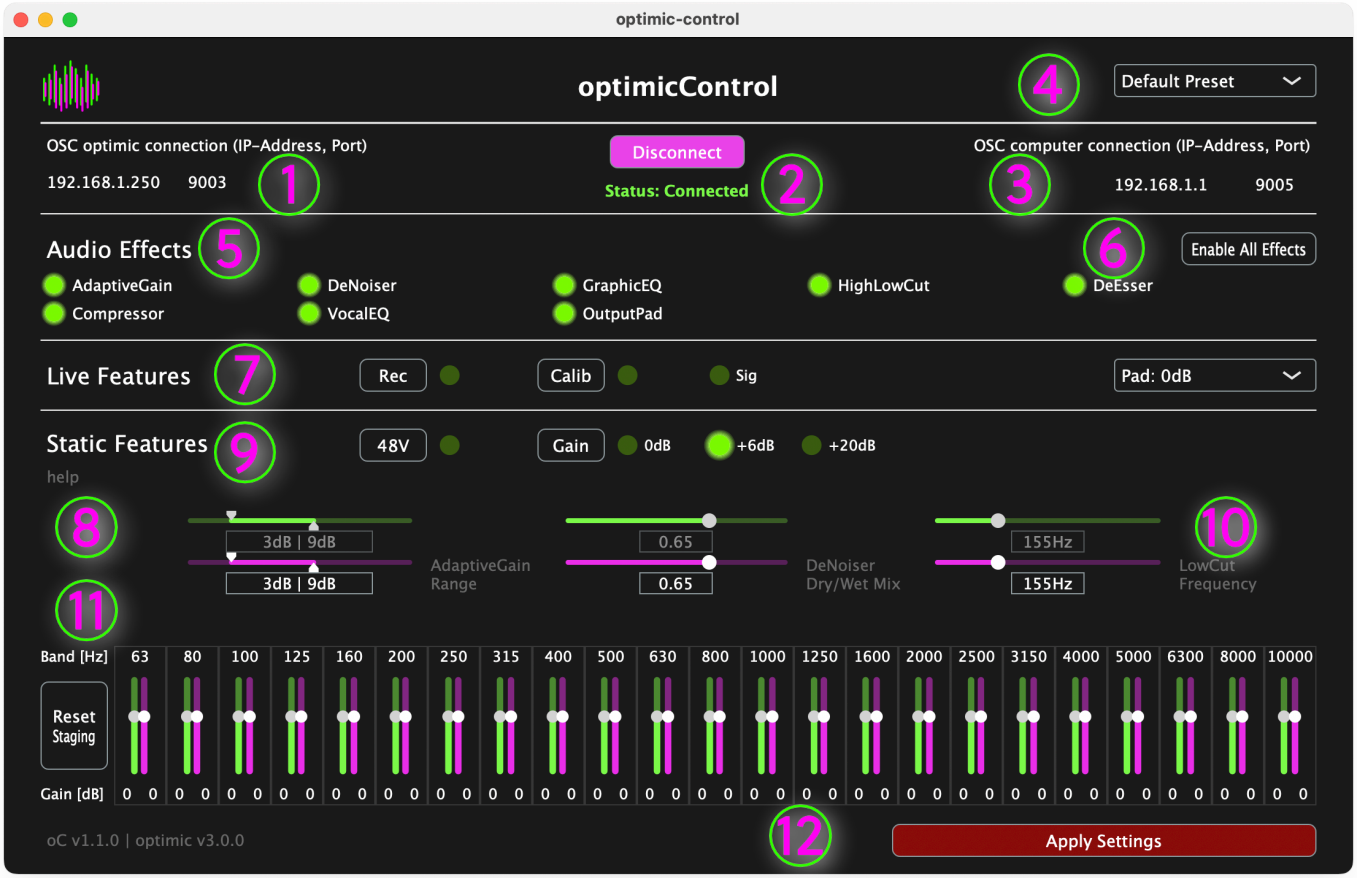
optimic Control



(1) **OSC Optimic Connection:** The optimic uses a static IP. This is already entered for you. If you have any questions about this, you can find the User Guide "optimicControl Static IP" in the download area of our homepage. If you require a dynamic IP on your optimic, please contact us directly.

(2) **Connect Button:** If you have entered the optimic IP (1) and computer IP (3) both devices are connected by clicking the Connect button. The current status of the connection is displayed under the button.

(3) **OSC Computer Connection:** The optimic uses a static IP. This is already entered for you. If you have any questions about this, you can find the User Guide "optimicControl Static IP" in the download area of our homepage. If you require a dynamic IP on your optimic, please contact us directly.

(4) **Preset Menü:** You can save the settings you have made on the optimicControl as a preset, load it or call up factory presets. To do this, click on the arrow. A drop-down menu opens.

1. Default Preset: These are the factory settings with which the optimicControl is delivered.

2. Factory Presets: We offer a small selection of presets to customize the optimic for the respective situation. Please note that these are only suggestions and may need to be adapted to the situation!

3. New Preset: Saves the current settings as a file on your computer. computer. You can also transfer this file to other computer and use it on other optimics optimics.

4. Load Preset: Loads a preset file and adopts the saved settings.

(5) **Audio Effects:** All displayed effects can be switched off. Click on the respective LED.

1.	GraphicEQ	The setting for this equalizer can be found under (11).
2.	AdaptiveGain	The optimic compensates for slight differences in volume via this effect. If you only want to limit the control range range, you can do this under (10).
3.	Compressor	This effect is used to compensate for sudden volume increases are intercepted. Please only deactivate . this only if you are using an external compressor
4.	HighLowCut	This effect cuts the speech signal in the low and high frequencies (over 15 kHz) frequencies. You have (10) to specify the frequency at which the bass range frequency should be reduced.
5.	DeEsser	Here, sharp S and sibilant sounds in the voice are softened.
6.	DeNoiser	This is our AI for removing all background noise and to reduce the room reverberation. The suppressed signal can be added to the input signal under (10). Deactivating the DeNoiser reduces the latency of the optimic.
7.	VocalEQ	This equalizer adaptively optimizes the microphone signal for speech intelligibility.

(6) **Enable All Effects:** All deactivated effects are activated together by clicking activated.

(7) **Live Features:** These buttons correspond to the buttons on the front of the optimic. In this way, the optimic can be controlled remotely.

1.	Rec	If a USB storage medium is connected to the USB slot of the optimic, the recording of the optimized speech signal can be started here.
2.	Calib	Press this button for approx. 3 seconds to start the start the calibration.
3.	Sig	The flashing of this LED indicates that the optimic recognizes speech. It corresponds to the Sig LED on the optimic, but may react with a slight delay. This has no effect on the operation of the device.
4.	Pad	In this drop-down menu, you can lower the output level of the optimic. This is possible in 6dB steps up to -18 dB. Only use this function only if absolutely necessary.

(8) **help:** Here you will find brief help on the settings of the optimicControl. Simply point to the text with the mouse.

(9) **Static Features:** These buttons correspond to the buttons on the optimic. Each change is indicated by a purple circle and must then be confirmed with the confirmed with the Apply button (12).

1.	48V	Switch on the phantom power supply. Please the safety instructions in our operating instructions.
2.	Gain	Here you can change the input sensitivity of the optimic. Please also refer to the notes and safety instructions in our operating instructions.

(10) **Sliders:** These sliders allow you to adjust important parameters of the optimic. The green sliders show the currently active status and the purple sliders allow you to set the desired value. This must then be confirmed with the Apply button (12).

1. AGR — The adaptive gain range (AGR) determines the extent to which the optimic should automatically adjust the input gain. For dynamic microphones we recommend a maximum of 6 dB and for condenser microphones a maximum of 4 dB. In which range of the spectrum is the ideal range can be recognized by the Sig LED (7): It should flash with the incoming speech. If this is not the case set the AGR to a higher range. If it flashes red, set it to a lower range. If an ideal range cannot be found within the range, adjust the the hardware gain (9). If you have performed a calibration with the optimic the resulting values can be seen here.

   IMPORTANT: If the AGR is set too high, this can lead to undesirable behavior!

2. DeNoiser Dry/Wet Mix — Here you set the proportion of the signal cleaned by our AI adjusted signal. The AI recognizes all background and interfering noises and calculates these from the signal. Always use as much AI component as necessary and as little as possible. If you do not need an AI DeNoiser, it can also be deactivated in the Audio Effects to reduce the latency.

3. LowCut Frequency — This control determines below which frequency the speech signal should be limited. On stages we recommend values from 150 Hz, for studio studio recordings 100 Hz. If you do not want any limiting, you can deactivate the high/low cut in the Audio Effects (5).

(11) **GraphicEQ:** Here, the optimic can be adapted to the room via 23 frequencies. The green controls show the currently active level and you can set the desired value using the purple controls. This must then be confirmed with the Apply button (12). If you have performed a calibration with the optimic, the resulting values can be seen here.

(12) **Apply Settings:** All static features are set with the purple elements. To activate them, they must be confirmed using this button. For confirmation, the values of the green and purple elements correspond.

Signal Path