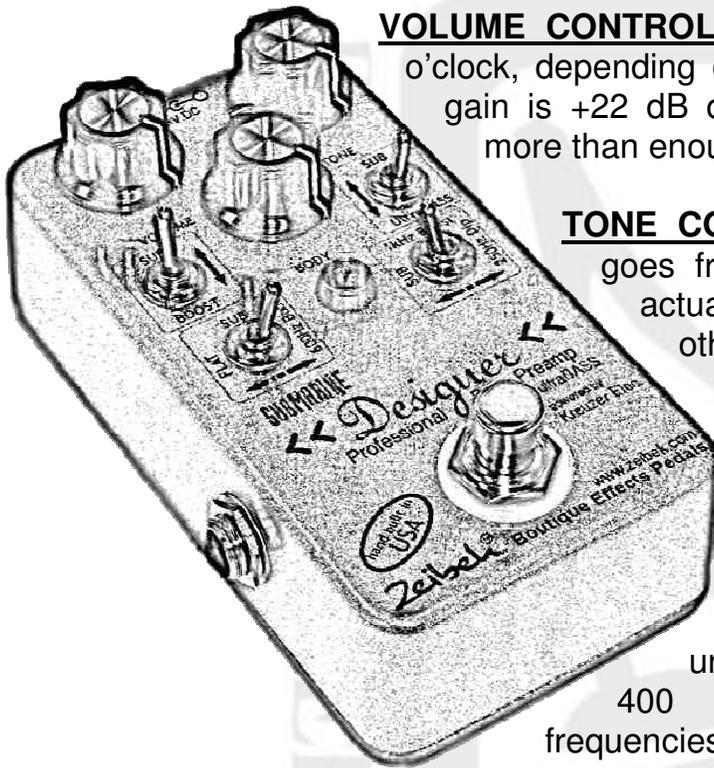


# QUICK START GUIDE



**VOLUME CONTROL:** Unity gain (0 dB) occurs at 9-10 o'clock, depending on the input signal. Maximum output gain is +22 dB depending on other controls. This is more than enough power to drive most power amps.

**TONE CONTROL:** A special tone stack that goes from bass boost to treble boost, the actual frequency manipulation varies by other controls. When everything is set to "SUB"; at center position (12 o'clock), there is a slight dip (~-2 dB) centered around 600 Hz with a narrow Q. The response reaches to unity at around 850 Hz and continues to increase by 2 dB just below 1.5 kHz. At the bass side the unity response is reached just above 400 Hz and extends to sub bass frequencies without a significant increase.

Tone control, while fairly retaining its intended character, emphasizes high or low frequencies at its full range of rotation. The described response should be taken as a reference when using other controls.

**BODY CONTROL:** Works like an unconventional scoop control. The SUB position is indicated by the "\*" symbol and should be considered as the default position. When turned counter clock-wise, it starts to cut mid frequencies. The effective center frequency point varies by the rest of the frequency manipulators. Beyond the star symbol, it enhances the extreme point of the curve is set, wherever it may be.

**UltraBASS TOGGLE:** Increases bass response all the way from 400 Hz to sub-bass frequencies as low as 20 Hz. While this can be useful for earth shaking bass sound, it is advised to use this feature sparingly. Too much low content can easily muddy up the mix, overlapping with other bass-oriented instruments or kick drum. Default position is SUB.

**BOOST TOGGLE:** Provides instant gain boost without overdriving the pedal. It should be used in conjunction with the volume control as it will easily overdrive your amp if it is not utilized properly. It is especially useful to compensate the perceived volume lost when mid-frequencies are cut with the use of body control and other toggles. Default position is SUB.

# QUICK START GUIDE

**Manipulator TOGGLE (Left):** Depending on other controls, it manipulates the overall frequency response as indicated by the label.

When everything else is set to SUB position, use the FLAT setting to get a flat/unaltered frequency response. This setting becomes handy when all you want to do is to get a volume boost and tone enhancement of the preamp core.

**Manipulator TOGGLE (Right):** Depending on other controls, it manipulates the overall frequency response as indicated by the label.

## **General Tips:**

The important detail to keep in mind is all tone shaping options control the same frequency curve. In other words, the effects are cumulative. For example, when you set the left manipulator toggle to 600 Hz boost and the right manipulator toggle to 1 KHz boost, you get a huge mid frequency boost with two peak points. Same example holds true for any of the tone shaping controls.

*When everything is set to SUB position, it will perfectly duplicate the frequency response of the Zeibek Submarine Professional Bass Preamp pedal.*

The best way to use Submarine Designer is to experiment and to trust your ears. It is capable of frequency curves that can only be achieved by using multiple EQ units chained back to back. The unconventional tone shaping is very intuitive and is more advanced than simple tone stacks; yet it is virtually impossible to get a bad sound out of it.

Technology utilized is partly based on [www.kreuzer-electronics.com](http://www.kreuzer-electronics.com) designs.

## **Suggested Settings:**

<b>Submarine DE</b>	<b>TONE</b>	<b>BODY</b>	<b>Boost</b>	<b>UB</b>	<b>Left MT</b>	<b>Right MT</b>
<b>Submarine Pro</b>	12 o'clock	2 o'clock	SUB	SUB	SUB	SUB
<b>Shake the Earth</b>	7 o'clock	3 o'clock	SUB	UltraBASS	Lead	250 Hz
<b>Sweet Fingers</b>	11 o'clock	12 o'clock	SUB	UltraBASS	600 Hz	SUB
<b>Piercing Fingers</b>	2 o'clock	2 o'clock	SUB	SUB	FLAT	1 KHz
<b>Slapping Fingers</b>	3 o'clock	9 o'clock	ON	Rhythm	SUB	250 Hz
<b>Booster</b>	12 o'clock	2 o'clock	SUB	SUB	FLAT	SUB