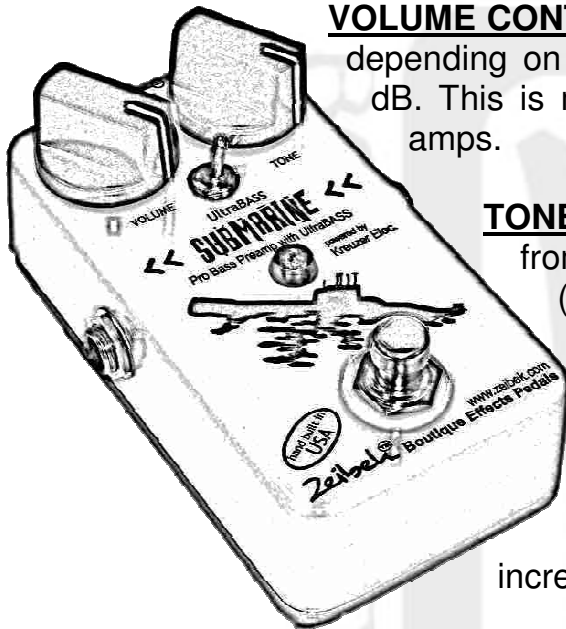


QUICK START GUIDE



VOLUME CONTROL: Unity gain (0 dB) occurs at 9-10 o'clock, depending on the input signal. Maximum output gain is +15 dB. 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. 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.

This is the tried & true formula used by many mastering engineers to increase clarity and to add punch, while reducing overlaps with electric guitar signal; hence allowing the bass signal to be more present at lower levels. Further EQ suggestions would include another slight dip centered at 2.5 kHz with Q=1.0.

Tone control, while fairly retaining its intended character, emphasizes high or low frequencies at its full range of rotation.

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.

Technology utilized is partly based on www.kreuzer-electronics.com designs.

Suggested Settings:

Submarine	VOLUME	TONE	UltraBASS
Rock Bass	Adjust to taste	2 o'clock	Up/On
Smooth	Adjust to taste	9 o'clock	Down/Off
Booster	10 o'clock and up	12 o'clock	Down/Off
Direct-to-Tape	Maximum	Adjust to taste	Adjust to taste