

# Rythmik Audio LVX12/FVX15 ported subwoofer Quick Guide

\*More information can be found at [www.rythmikaudio.com/phase1.html](http://www.rythmikaudio.com/phase1.html)

## Line Level inputs

For sub output from HT receiver/processor, one can use either of the two (R+L) line level inputs with 12db LPF SLOPE switch setting, or just LFE IN. When using LFE IN, phase control and crossover control have no function. The trade-off between using LFE IN and LINE IN is the perceived background noise level. For two-channel inputs, one should use LINE IN only.

## Parametric equalization (PEQ)

Defeatable EQ for tackling room modes. Please see separate application note for proper usage. For initial setup, set PEQ switch to "off". Markings on FREQ knob are at 10hz increments.

## Bass extension switch

The bass extension control in FVX15/LVX12 enables the user to customize the frequency response of the low end. It combines multi-tune specific frequency contouring and damping control in one switch. The damping control determines the slope of roll-off and the amount of time domain ringing. High damping provides the least amount of time domain ringing and the most gradual roll-off curve. Low damping provides the steepest roll-off at the low end at the expense of added time domain ringing. There are two positions for 1 port operation which extends to 14hz for LVX12 (12hz for FVX15). 1P-music uses high damping while 1P-HT uses low damping. High SPL playback should use 2 port setting. The damping in this position is low.

Volume level setting is determined by the efficiency of front speakers. It is not an indication of whether the sub can play louder or not.

## \*Delay/phase control

It is one of the most important controls for integration with line-in and no external delay time adjustment control. See our integration guide\*.

Crossover setting is a fine-tuning knob for integration. It is useful even when one already uses bass management. The upper end extension of the sub is limited to avoid using the servo subwoofer at frequencies where servo is less effective. Set to max by default.

LPF slope setting determines the slope of crossover setting. For two-channel, one should use 24db whereas for HT input, one should use 12db.

## Power LED indicator

The power switch has 3 positions: OFF, AUTO, and ON. AUTO detects the input signal and turns on the amp immediately and turns off the amp after 45 minutes of inactivity.

