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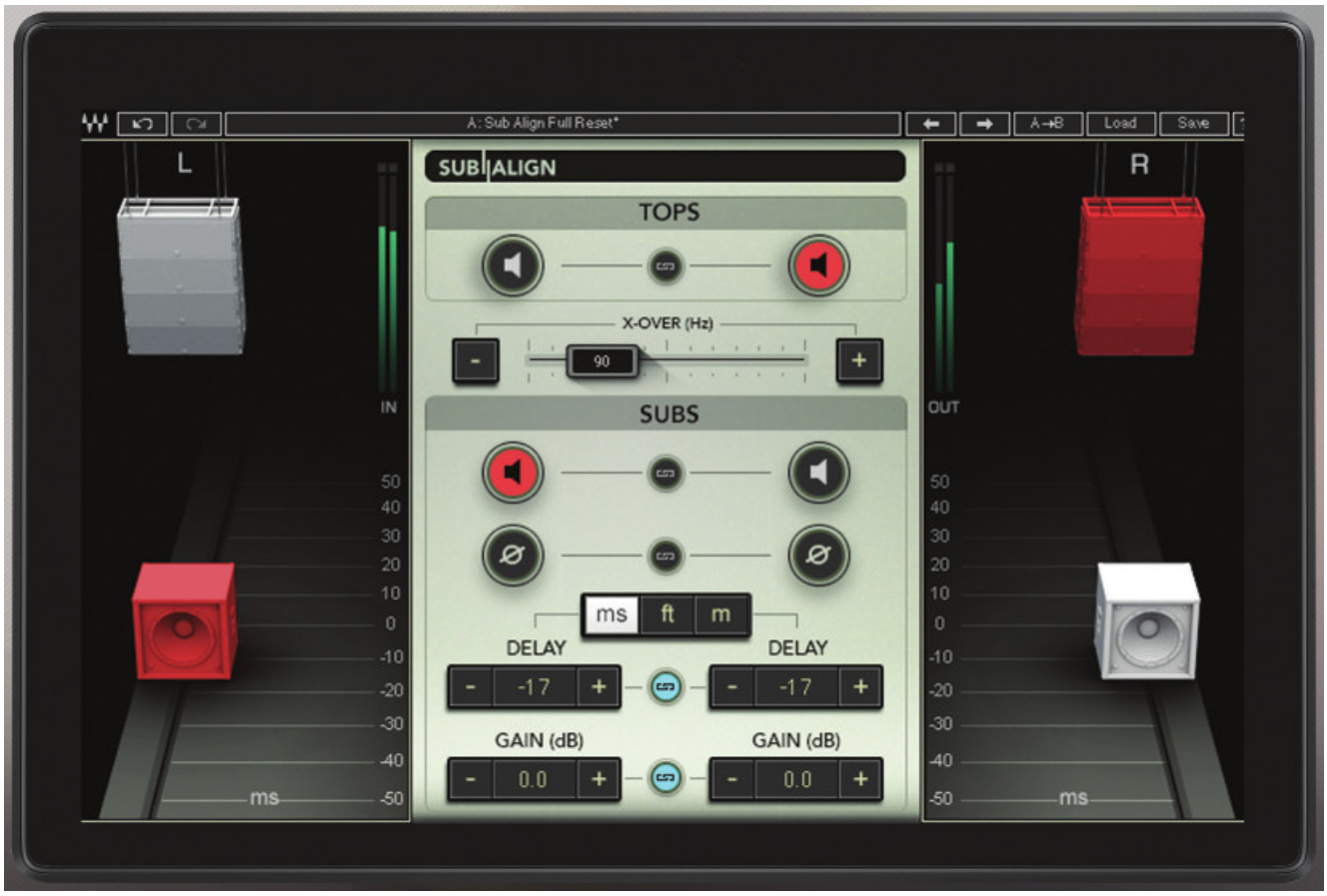
WAVES SUBBAN Subwoofer Alignment Plugin for PA System User Guide

WAVES

SUB | ALIGN

USER GUIDE



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CHAPTER 1: INTRODUCTION

Welcome

Thank you for choosing Waves! In order to get the most out of your new Waves plugin, please take a moment to read this user guide.
To install software and manage your licenses, you need to have a free Waves account. Sign up at www.waves.com. With a Waves account you can keep track of your products, renew your Waves Update Plan, participate in bonus programs, and keep up to date with important information.
We suggest that you become familiar with the Waves Support pages: www.waves.com/support. There are technical articles about installation, troubleshooting, specifications, and more. Plus, you'll find company contact information and Waves Support news.

Product Overview

Sub Align is built to reclaim control of the subs when you don't have access to the system processor and the subs are tied in with the tops. The plugin artificially creates a crossover point between the tops and the subs and provides delay, phase and gain control over the predetermined sub range of frequencies. This allows you to "move" and control the subs even when they are tied in with the tops.

Components

WaveShell technology enables us to split Waves processors into smaller plugins, which we call components. Having a choice of components for a particular processor gives you the flexibility to choose the configuration best suited to your material. The Sub Align plugin includes the following components:

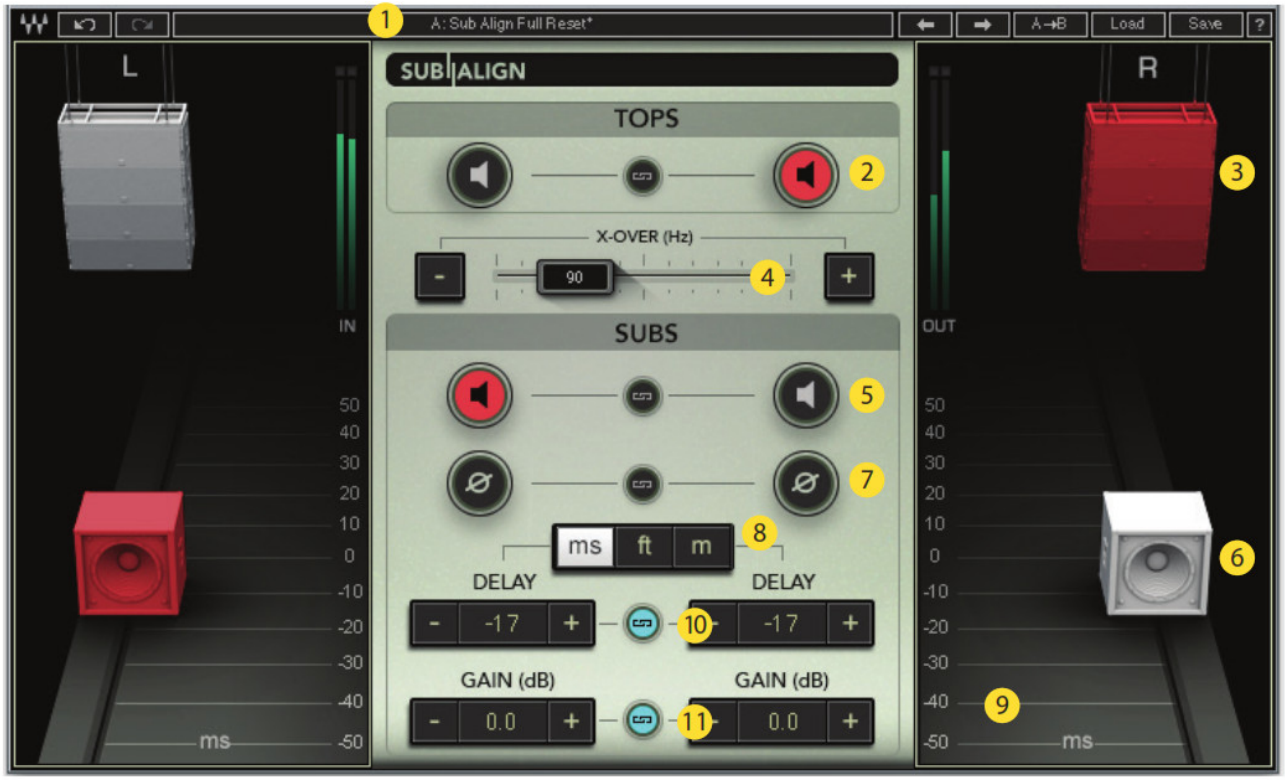
- Sub Align Mono
- Sub Align Stereo

CHAPTER 2: QUICK START GUIDE

As with all Waves plugins, factory presets are a good place to start. Use the bar at the top of the plugin to save and load presets, compare settings, undo and redo steps, and resize the plugin. To learn more about the WaveSystem Toolbar, click the icon at the upper-right corner of the window and open the WaveSystem Guide.
Choose the preset closest to your preference. Tweak it from there. You can always reset all plugin controls by loading the Sub Align "Full Reset" preset.

CHAPTER 3: INTERFACE AND CONTROLS

Interface



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Controls

Tops Solo

Solos the Tops.
Tops turn orange when Solo is activated.

In the Sub Align Stereo component, click the Link icon to link the Left and Right sides.
Range: On, Off
Default: Off

X-Over

Slide the X-Over fader left or right to adjust the crossover point between the tops and the subs. Changes in the crossover point will be heard most clearly when you solo the tops or the subs. Use the +/- controls for fine tuning.
Range: 40250 Hz
Default: 90 Hz

Subs Solo

Solos the Subs.
Subs turn orange when Solo is activated.

In the Sub Align Stereo component, click the Link icon to link the Left and Right sides.
Range: On, Off
Default: Off

Subs

The large Subs icons (item 6 in the interface legend above) are actually movable faders. You can move them up and down the scale. The scale reflects changes in delay time.

Subs Phase

Click to flip the subs' polarity 180 degrees.

In the Sub Align Stereo component, click the Link icon to link the Left and Right sides.
Range: On, Off
Default: Off

Subs Delay Scale Units

For convenience, delay time can be shown in one of three ways:
ms – milliseconds
ft - feet
m - meters

Default: ms

Sub Delay Scale
The Sub Delay Scale will change per the Subs Delay Scale Units chosen.

Subs Delay

Adjusts the delay time between the subs and the tops.

In the Sub Align Stereo component, click the Link icon to link Left and Right sides.
Use the +/- controls for fine tuning.

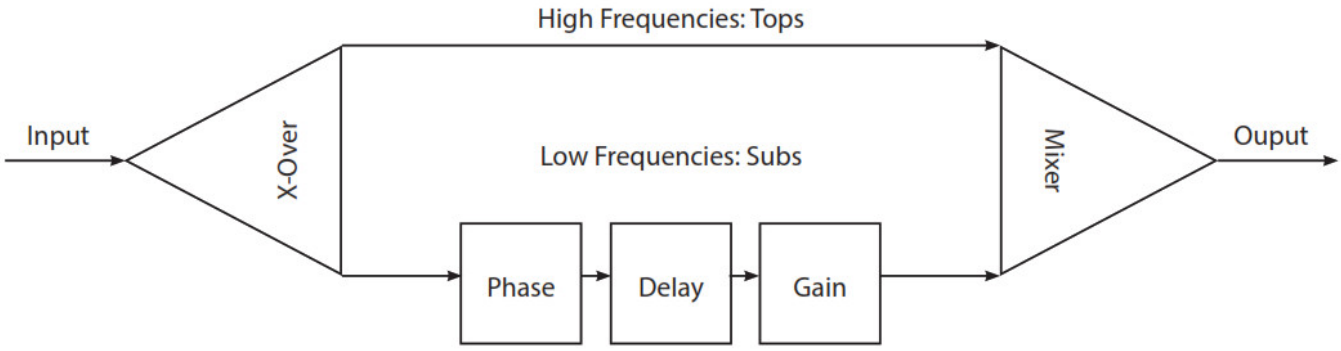
ms range: -50 to 50 milliseconds
ft range: -56 to 56
feet m range: -17 to 17 meters
Default: 0 ms

Subs Gain

Adjusts the subs' output gain.

In the Sub Align Stereo component, click the Link icon to link the Left and Right sides.
Use the +/- controls for fine tuning.
Range: – INF to 18 dB
Default: 0 dB

Sub Align Block Diagram



Documents / Resources

	WAVES SUBBAN Subwoofer Alignment Plugin for PA System [pdf] User Guide SUBBAN Subwoofer Alignment Plugin for PA System, SUBBAN, Subwoofer Alignment Plugin for PA System

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