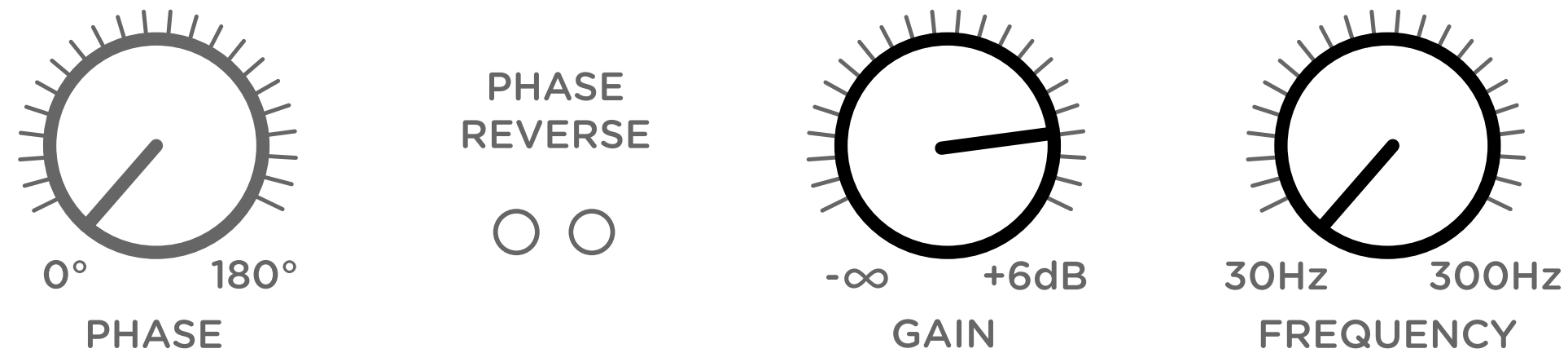


# SUBWOOFER (ELEPHANT) ALIGNMENT

Here are the quick settings\* for Gorilla and Fox, to start with.

## GORILLA

Gain: 0 dB (set at 80% of the pot)  
Frequency: 30 Hz



## FOX

Phase: Reversed using the button  
Gain: +2 dB (set at 90% of the pot)  
Frequency: 150 Hz



\* Depending on the placement of the speakers and the subwoofer, these settings need adjustment. Always use a measurement microphone for precise subwoofer alignment to ensure the best audio performance.

**Attention:** Do not start with the Frequency at 300 Hz and Gain at maximum. This is never necessary and may damage your driver.

# SUBWOOFER ALIGNMENT

## Using a Measurement Microphone to Align the Sub

As an example, you can see the measurements in the graphics during alignment. The white line represents FOX's original measurement, while the green line shows the settings of FOX + ELEPHANT after proper adjustment with a measuring microphone. The basic idea is to extend the low end of the total system, keeping it as flat as possible. (Ignore the dips and peaks caused by objects in the room, like at 215 Hz.)

In this adjusted setting (green line), the frequency is set at 150 Hz, and the gain is at 90%, as suggested on the previous page as the quick setting.

Also, notice the red line in the graphics, which indicates what happens when the phases of the speakers do not match. This mismatch is why we reversed the phase on the ELEPHANT aligning to FOX.

