

Recommended Modes of Operation: Configuration 1

Your Ultra-X13 is capable of six different modes of operation:

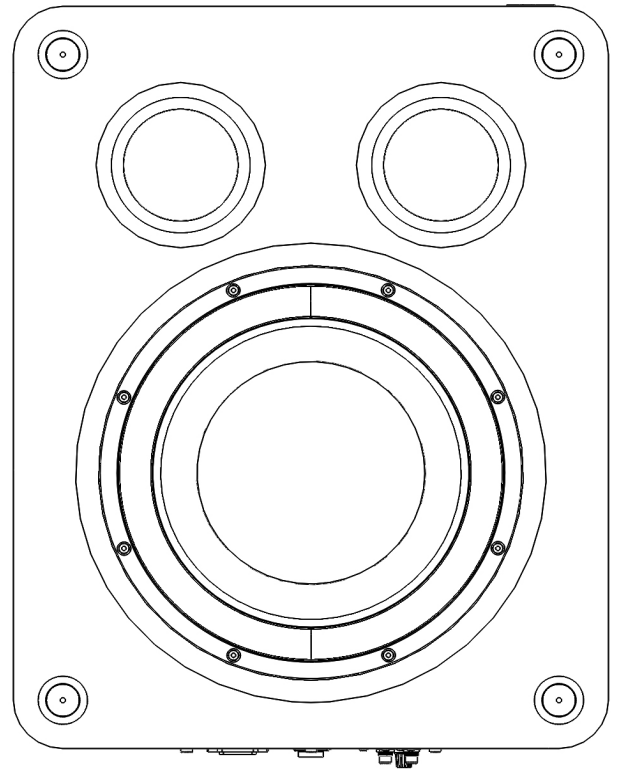
- a completely vented enclosure with no ports plugged
- a completely sealed enclosure with both ports plugged
- a mixture of the two with one port plugged

Each of these three physical configurations can also be customized by changing the EQ switch on the subwoofer between EQ 1 and EQ 2.

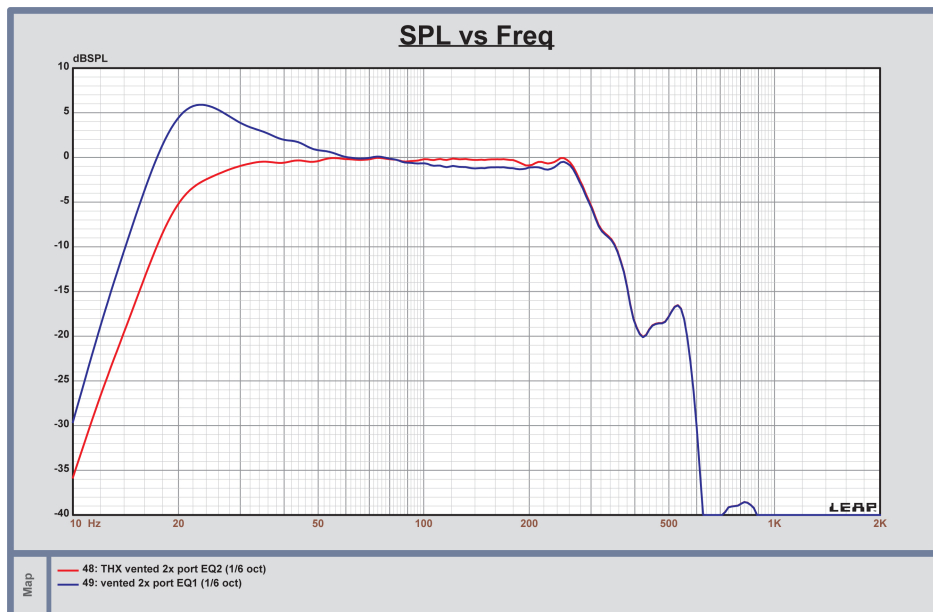
While you have quite a few options, there are two specific modes of operation that Outlaw recommends:

Configuration 1: A completely vented enclosure with no ports plugged; EQ Switch set to EQ 2

This Mode of Operation is THX ULTRA Certified



You can see below the results of changing the EQ switch from EQ 1 to EQ 2 when the enclosure is completely vented. EQ 1 - the blue line, provides quite a bit of boost from about 20Hz - 50Hz. While



having this option is dramatic, EQ 2 is generally much more desirable due to its smooth and accurate response. You may have noticed that this mode is THX Ultra certified (formerly known as THX Ultra 2). THX Ultra certification is known for very strict requirements, including low distortion levels and enough output to fill a 3,000 cu ft. room with robust bass.

At this time, there are only two subs in the world that have achieved THX Ultra certification with a **single subwoofer**.

When you configure your Ultra-X13 subwoofer for this mode of operation, you ensure the sub outputs the signal as originally intended by the sound-mixer.

Recommended Modes of Operation: Configuration 2

Your Ultra-X13 is capable of six different modes of operation:

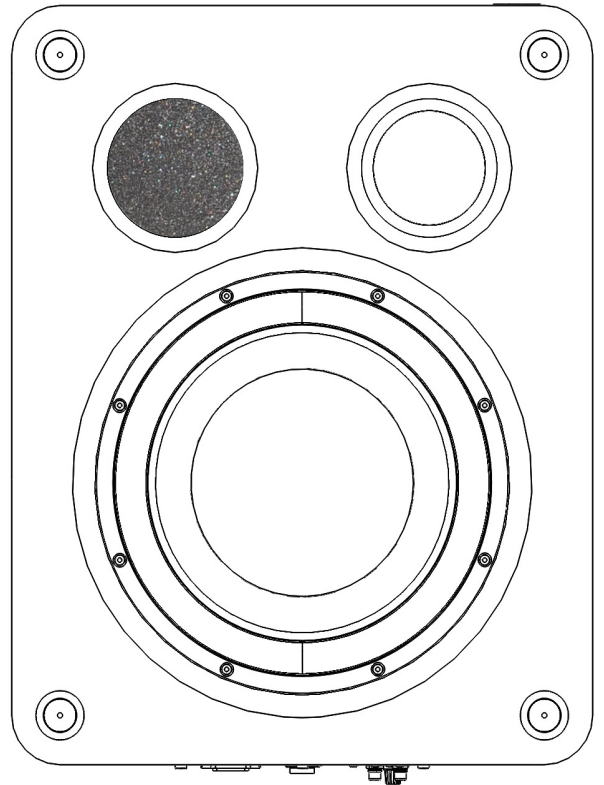
- a completely vented enclosure with no ports plugged
- a completely sealed enclosure with both ports plugged
- a mixture of the two with one port plugged

Each of these three physical configurations can also be customized by changing the EQ switch on the subwoofer between EQ 1 and EQ 2.

While you have quite a few options, there are two specific modes of operation that Outlaw recommends:

Configuration 2: One port plugged, one port vented EQ Switch set to EQ 1

This Mode of Operation provides Additional Bass Output



When you plug one port on the Ultra-X13, and leave the other vented, we recommend setting the EQ switch to EQ 1 (the blue line). This EQ setting **extends** the low end frequency response down

to 15Hz (-6dB) while effectively retaining a flat and accurate response.

Outlaw recommends this mode of operation for anyone who really enjoys the low-end extension you experience when content reaches below 20Hz.

With one port plugged and the EQ switch set to EQ 1, the Ultra-X13 provides visceral bass that you not only hear, but also feel. This subwoofer was designed for accurate, low distortion playback;

both of these traits are kept intact even when your Ultra-X13 is configured for additional bass output.

