

mini monitor series  
**Mini**

**Tri-Art**  
AUDIO

**The Heightened Activation of the Resonator Cup  
Increases Dynamics and Tonal Balance**



Natural & Black Finish

The Tri-Art Audio Mini Monitor is a compact 3-inch full-range, ported speaker. Voiced for precise near field, critical listening with exceptional vocals and tonality. Its innovative bamboo resonator cup counters the beaming tendency of small drivers at higher volumes, maintaining wide dispersion while enhancing dynamic range and tonal accuracy. The 3" paper driver is full range, thus removing the crossover in the 1-5Khz, resulting in a pure immediacy - a seamless, distortion-free link between amplifier and speaker.

Available Hand Rubbed Finishes

● Black	33712	● Graphite	33714
● Black + Natural	33715	● Natural	33457
● Distressed Black	33713	● Natural + Black	33716



33' Monitor Stands - Black Finish

**The mini monitor** is ideal for apartments, condos or home recording studios. It delivers reference-quality sound in tight spaces without an overwhelming low-end.

## modular upgrades

For louder listening or heavier bass impact, it can easily integrate with a subwoofer or seamlessly with [Tri-Art Audio's Mini Sub Bass Stand](#).

Additionally, it is the centerpiece of our [Complete Horn System](#) for full-range Horn speaker performance. (see below) pg 6.

## design features

### Super Tweeter

The Super tweeter is noted for improving the clarity and smoothness in all frequencies, as well as for having a surprising and profound effect on bass performance. It achieves this by dithering or “bubbling” the air in front of the cabinet thus allowing lower frequencies to pass through the air in the room more easily. Much like the bubbling of air in water for high platform divers to pass through the water with less resistance.

### Tuned Port

The Mini Monitor has a 2” x 2.5” side-firing port tuned at 80db. Internal dampening by a unique two-chamber hemp wool & sheep’s wool cavities, the second cavity holds the tuned port for extra bass response.



### The heightened activation of the Resonator Cup increases dynamics and tonal balance

#### Resonator Cup

The concept of the excited resonator cup is akin to acoustic resonance principles, where sound waves are manipulated to enhance audio performance. The resonator cup, with its 3mm thickness, bends sound waves towards its exterior edge, resulting in a wider dispersion angle. This effect can be visualized as similar to the ripples into water, with waves moving outwardly.

The triangular-shaped holes are designed to follow a specific sonic pattern, smoothing out high-frequency information by dispersing frequencies from the full-range driver. This is comparable to how leaves scatter air in a light wind, or how an equalizing muffler functions. The heightened activation of the resonator cup increases dynamics and tonal balance. This results in a soundstage with impressive height, width, depth, and excellent focus.

The design ensures smooth extended treble without the breakup of high frequencies typical of small drivers at higher volumes. Acoustic Resonance plays a significant role in this process. It involves amplifying sound waves that match the natural vibration frequencies within the system. The resonator cup’s design allows it to filter and disperse sound effectively, enhancing the overall audio experience.

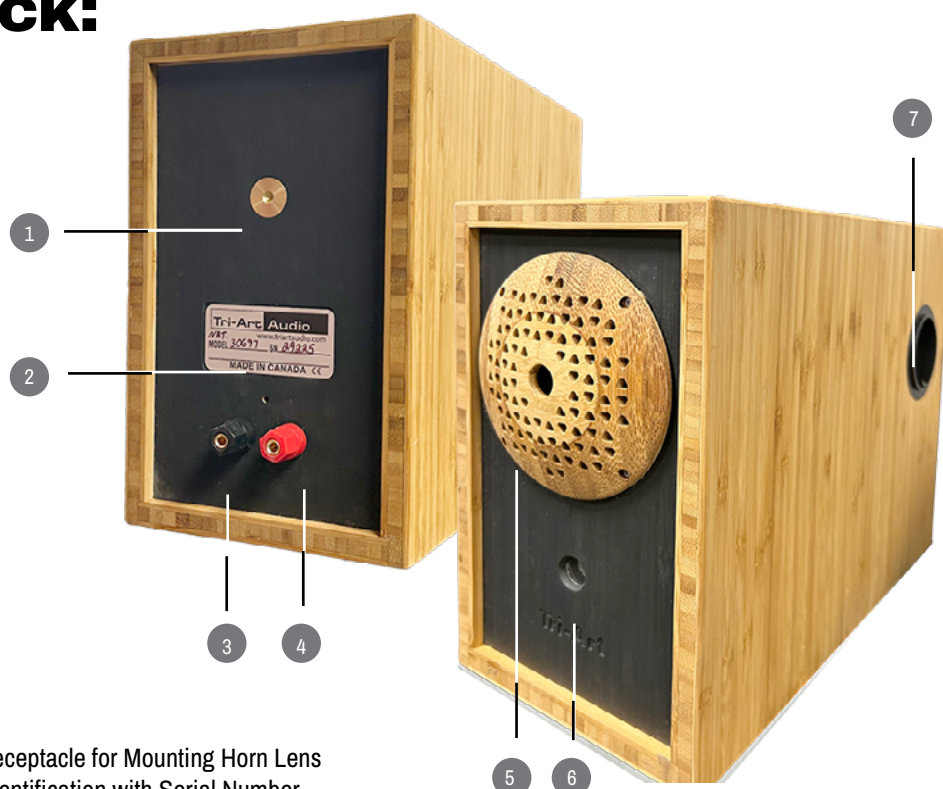


Crafted with bamboo and natural sheep’s wool.  
Learn more at [triartaudio.com](http://triartaudio.com)

# Mini Monitor

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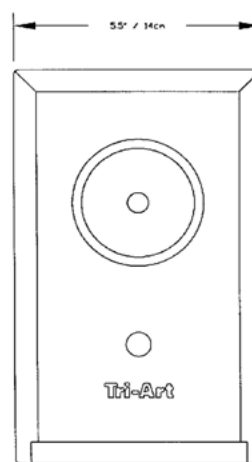
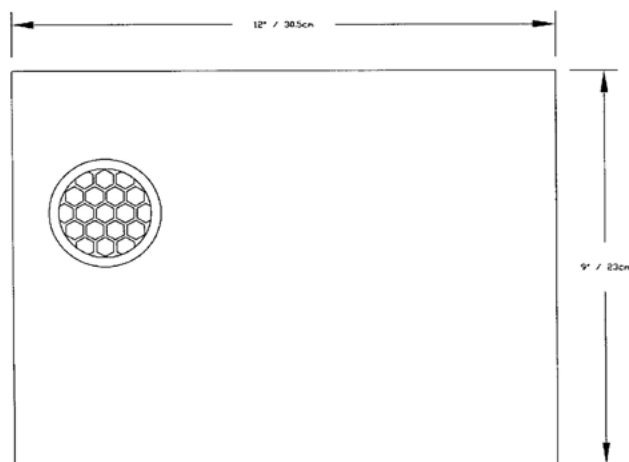
**back:**



- 1 Brass Receptacle for Mounting Horn Lens
- 2 Model Identification with Serial Number
- 3 Speaker input binding posts Black - and Red +
- 5 Resonator Cup
- 6 Super Tweeter
- 7 Side-Firing Port

**front:**

## specs



Tri-Art's Mini Monitor is internally braced, folded bamboo box speaker features a single 3" full-range coated paper driver paired with a super tweeter, designed to minimize box sound and deliver a tonal signature reminiscent of a small open baffle speaker.

## Specifications

Dimensions:	9" H 5.5" W 12" D (23 x 14 x 30.5 CM)
Weight:	6 lbs/2.8 Kilos
Frequency Response:	64hz @8db, 100 Hz to 20,000 3db
Nominal Impedance:	6 ohms
Power Rating:	20 - 60 watts
Sensitivity:	89db
Cabinet:	Solid 3 ply bamboo (natural + 3 Stains)
Driver:	3" pressed cone paper with a layer of polypropylene for increased stiffness and lower distortion. Vented ferrite magnet with an internal neodymium magnet
Super Tweeter:	45,000 Hz
Connections:	Five Way binding posts
Shipping Dimensions:	one pair in box 12.75x12.75 x 10.25
Shipping Weight:	14.3 lbs/6.5 kilos





# monitor stands

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The Mini Monitor has options available:

## monitor stand 33"

These stands are a perfect match for the Mini Monitors. Made from solid 3 ply bamboo, they have strength and durability and also contribute to the natural harmonics of your speakers.

note: photo has shipping plugs on feet.  
These are to be replaced with provided  
spike cups.



*Finished with a hand rubbed oil application. Options available: Natural, Combination, Graphite, Distressed, Black*



## shelf stands

Designed specifically for the Mini Monitor Series  
May be used for any bookshelf or monitor speakers



Available in any matching monitor finish options

# Modular Upgrade to A Full Range Speaker

The Mini Monitor is versatile and upgradeable to a full range speaker solution with the Mini Bass Stand and Horn System.

## sub bass stand

### Modular Upgrade

Sub Bass Stand with 12" driver and integrated stand for Monitor. Mini Monitor shown here.



### Enhanced Performance With Sub Bass Stand

The Bass Stand can be converted from a 33" to 24" stand with a removable plinth for use with larger speakers.

When combined with the Tri-Art Bass Stand, the Mini Monitor's capabilities are significantly enhanced by:

- Adding bass and an overall improvement in sound staging and depth
- Improved Bass Response with External Crossover functionality
- The 12" Driver adds weight, extension, and punch without sounding boomy

### External Crossover

- Rolls off bass frequency from the Mini Monitor 3" full range driver at 200 Hz with a 6dB slope
- Allows manual attenuation of the mini monitor's volume
- Ensures seamless blending of bass and full-range frequencies

## complete horn system

### Modular Upgrade

Horn lens for Mini Monitor

Bass Horn lens for 12" Driver

