

# CLA-SUB

300 watt 10" studio subwoofer with custom dual-magnet driver



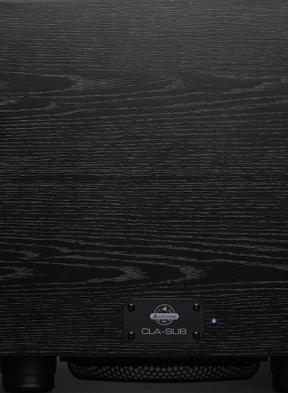
## MONUMENTAL BASS.

The CLA-Sub is an ideal studio subwoofer for producers and engineers who work with cinema sound or any modern music genre that prioritizes deep bass. While the CLA-Sub is designed to be a perfect match for the CLA-series of white cone studio monitors, its filter options make it a fantastic sub for any recording studio or home theatre.

The CLA-Sub can be configured in either downward-firing or frontward-firing modes to best suit the acoustics of your mix room. Simply remove and reattach the rubber feet to deploy the configuration that best serves your room and your music.

- **Front-firing mode** provides the cleanest possible reproduction from CLA-Sub, as the woofer does not couple with the floor of the room.
- **Downward-firing mode** deliberately takes advantage of coupling to the room to increase output by +3 dB.

The CLA-Sub's repositionable feet employ a special vibration-dampening material that minimizes the mechanical coupling between the CLA-Sub in your room to reduce sympathetic vibrations that can color the playback of your mix. No aftermarket acoustic isolation pads required!



## EXCLUSIVE DUAL-MAGNET DRIVER FOR CLARITY AND VOLUME.

At the heart of CLA-Sub is our custom dual-magnet driver, not available in any other speaker. Every element of the custom driver was designed to minimize distortion while increasing output volume. Other manufacturers' subwoofers will often deliver as much low-end as possible through deliberate distortion and coloration. This approach can cause signals to be perceived as louder, when they in fact just have more harmonic content through distortion.

We find this practice to be at best dishonest, and at worst an insult to your music. We took the opposite approach with our custom driver. We did all we could to ensure it delivers *clean, clear bass at shockingly high volume*.

First, its stacked dual ferrite magnet design grants CLA-Sub the power to push and pull air with more efficiency and control than comparable drivers. To avoid harmonics and overtones, we experimented with several cone substrates before settling on a particularly rigid paper that minimizes distortions while still providing a quick, snappy transient response. With CLA-Sub, you'll hear the low end of your tracks with clarity and honesty.



## CONFIGURATION OPTIONS FOR THE MOST DEMANDING STUDIOS.

A sweepable high-cut control lets you dial in your crossover point from 50-180 Hz; the output low-cut filter lets you trim the fat at 80 or 100 Hz for the signal sent to your studio monitors. You also get phase and gain controls. A switchable power-saving standby mode is available, putting CLA-Sub into a power-efficient sleep mode after 30 minutes of inactivity.

Locking XLR / 1/4" TRS combo inputs keep your audio connections tight and secure, even when those 808 kicks are rattling the fillings in your teeth.

CLA-Sub's operation can be toggled using a footswitch for quick A/B comparisons of your mixes with and without the sub.



## THE CLA MONITOR FAMILY — ONLY FROM AVANTONE.

We've worked tirelessly to bring this classic monitor system back to the world — but it took more than just recreating a single speaker. A tremendous amount of attention has been put into every detail: matching the original MDF and wood veneer for the cabinet, matching the original winding dimensions/value/dc resistance of the inductors, profiling the most popular amplifier pairings of the original, just to name a few things. All of this development has culminated into a slew of monitor solutions.

The **CLA-10 Active** and **CLA-10 Passive**: the iconic "white cone" monitors, in both passive *and* active configurations.

The **CLA-10A Limited Edition**: the CLA-10 Active in a beautiful black American walnut finish.

The **CLA-Sub**: a powerhouse subwoofer with both forward-firing and downward-firing modes.

The **CLA-100, CLA-200, and CLA-400**: reference amplifiers with the perfect voicing to compliment the CLA-10 and original "white cones".

**AV10 MHF, AV10 MHF Aged, and AV10 MLF**: the classic "white cone" drivers — now available for the first time in decades as direct replacements for the original.

**AV10 MXO**: replacement crossover for original Yamaha™ NS10M™ studio monitors

CLA-10 ACTIVE



CLA-10A LIMITED EDITION



CLA-10 PASSIVE



CLA-SUB



CLA-100 STUDIO REFERENCE AMPLIFIER

CLA-100

CLA-400

CLA-200

CLA-400

STUDIO REFERENCE AMPLIFIER

CLA-200

CLA-100

CLA-200

CLA-400

## CLA-Sub Specifications

- **INPUT:** XLR/TRS Combojack
- **THRU:** XLR
- **FREQUENCY RESPONSE:** 25 Hz – 180 Hz
- **THD:** > 55 Hz  $\leq$  1%
- **MAX. PEAK SPL:**  $\geq$  116 dB
- **CROSSOVER FREQUENCIES:** 50 – 180 Hz
- **DRIVER BASKET DIAMETER:** 10"
- **VOICE COIL DIAMETER:** 2"
- **CONE MATERIAL:** Stiffened Paper
- **SURROUND MATERIAL:** Butyl
- **MAGNET MATERIAL:** Double Stacked Ferrite
- **DIMENSIONS:** 457 mm H x 419 mm W x 419 mm D  
(18" H x 16.5" W x 16.5" D)
- **WEIGHT:** 55.12 lbs  
(25 kg)

