TANNOY®

SUBWOOFERS

110 TB

The Tannoy 110 TB Tile Bridge subwoofer - like its companions, the 110 SR (Sheet Rock) and the 110 CS (Corner Sub) - is a compact, 10" down-firing, vented cabinet capable of 31Hz @ -3dB.

Easy to install and with no special construction requirements, the 110 TB drops into a 2' x 2' ceiling tile space. It integrates invisibly into the environment by using a standard air conditioning vent cover as a speaker grille.

The 110 TB features a resonance decoupling system, and each corner of the cabinet is fitted with a seismic tether point. The four corner flying points allow the unit to be flown in free space via a $^{3}/_{8}$" threaded rod, a chain or aircraft cable. Fire rating is NFP-A Grade A.

The 110 TB incorporates an 8" x 10" input module located on the side of the cabinet. The input module controls are easily accessed by lifting the adjacent ceiling tile.

The 110 TB can be ordered with a passive input module (110 TB-P) connected via barrier strip, or with a passive internal crossover (110 TB-PX). Both passive modules can be powered by a THP 60 Watt / 70 Volt line transformer for distributed systems (110 TB-P70V and 110 TB-PX70V).

Alternatively, the 110 TB can be powered by a 200 Watt active amplifier (110 TB-A) or with a Tannoy PowerLinx PLA 305 - 300 Watt multi-channel amplifier (110 TB-MC), with 110 Watts dedicated to the subwoofer. Both the active and multi-channel options are UL and CSA approved.

FRONT DETAIL

ACTIVE INPUT MODULE

INSTALLED

CONTROL ACCESSIBILITY

SUBWOOFERS

TECHNICAL SPECIFICATIONS

110 TB

SYSTEM

System Type		Subwoofer - Direct Radiating
Frequency Response +/- 3dB (1)		31Hz - 150Hz
	-10dB	26Hz
Maximum SPL @ 1 meter	Average	105dB
	Peak	111dB

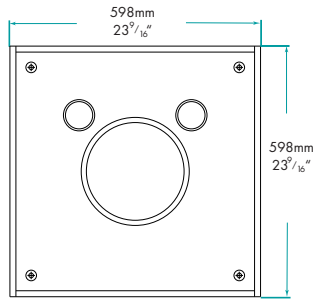
ELECTRONICS - (110 TB-A)

Input	3 pin XLR female; pin 2 positive
Sensitivity (2)	500mV for rated output
Low Pass Filter	Fixed 12dB/oct @ 130Hz, with variable 12dB /oct, 50 - 150Hz
High Pass Filter	32Hz 6th order, Electro - Acoustic
Amplifier Type	Class AB Mosfet
Amplifier Output Power	200 Watts into 6Ω load
User Controls and Indicators	Level, low pass frequency, bass boost. Pin 1 lift, phase +/- 180˚, low pass, all pass, power on/off

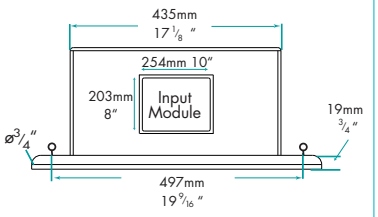
CONSTRUCTION

Driver Complement		254mm (10") bass unit
Enclosure		Direct radiating vented MDF
Connectors	Passive Modules	Barrier strip
Finish		Textured Black
Dimensions		251 x 598 x 598mm ($9\frac{7}{8}$ x $23\frac{9}{16}$ x $23\frac{9}{16}$")
Weight (each)		18.1kg (40lbs)
Shipping	Quantity	1
	Weight	19.5kg (43lbs)
	Pack Dimensions	311 x 686 x 686mm ($12\frac{1}{4}$ x 27 x 27")

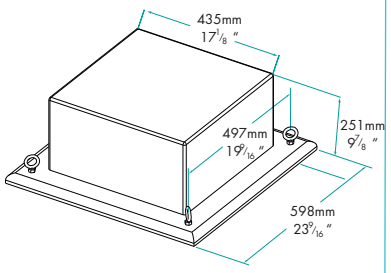
FRONT ELEVATION



SIDE ELEVATION



TOP ELEVATION



NOTES: (1) Average over stated bandwidth. Measured at 1 meter on axis.
(2) Unweighted pink noise input, measured at 1 meter in an anechoic chamber

A full range of measurements, performance data, and Ease™ Data can be downloaded from www.tannoy.com

Tannoy operates a policy of continuous research and development. The introduction of new materials or manufacturing methods will always equal or exceed the published specifications, which Tannoy reserves the right to alter without prior notice. Please verify the latest specifications when dealing with critical applications.

APPLICATIONS

- Foreground music systems
- Business music systems
- Retail outlets
- Reception / waiting rooms
- Boardrooms & offices
- Museums and interactive exhibits
- Convention centers, hotels
- Cruise ships
- Houses of worship

FEATURES

- 254mm (10") bass unit
- Easy access to system controls
- Input module options - system flexibility
- Seismic tether points
- Eye bolts and threaded rod inserts for "free space" suspension
- Class A fire hazard classification paint
- Quick & easy mounting Active input module
- 200 Watts - 6Ω load
- L/R fully balanced inputs & outputs
- Variable low pass
- Fixed 80Hz high pass output available
- UL & CSA approved

ARCHITECTURAL SPECIFICATIONS

The bass loudspeaker shall consist of a 254mm (10") low frequency transducer mounted within a vented direct radiating enclosure. An 8"x 10" input module shall be incorporated into the design to offer multiple system options.

Performance of the loudspeaker, without any electronic control shall meet or exceed the following criteria; Frequency response measured at 1 meter on axis with swept sine wave shall be 31Hz - 150Hz (+/-3dB). Sensitivity shall be 500mV for rated output on active input module and at least 93dB (half space) on passive input modules for 2.83 Volts @ 1 meter. The system shall be capable of producing a peak output level of 111dB (half space) on axis at 1 meter. The system shall have a nominal impedance of 6Ω, maximum power handling shall be 200 Watts (programme).

The enclosure shall be an optimally tuned, vented enclosure constructed of MDF and finished in a textured Black fire resistant paint. Input connectors shall be a barrier strip on passive modules and 3 pin XLR female on active module. The enclosure shall be designed to fit into a 2'x2' tile bridge ceiling, includes 4 eye bolts for safety and $\frac{3}{8}$" threaded inserts for free space suspension. The enclosure shall not exceed the following dimensions: 251 x 598 x 598mm or $9\frac{7}{8}$ x $23\frac{9}{16}$ x $23\frac{9}{16}$"(H x W x D).

The bass loudspeaker shall be the...110 TB.

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