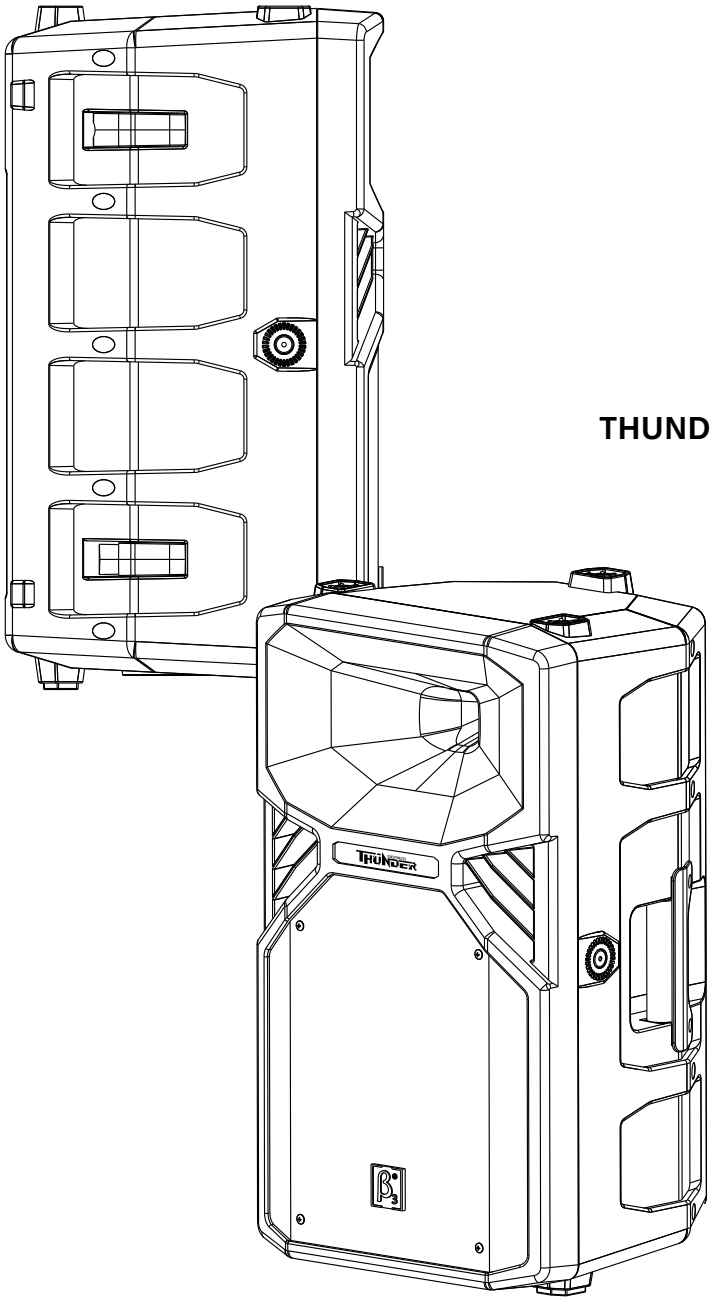
Beta Three

T10a

Two Way10" Full Range
Active Speaker

THUNDER Series Pro Loudspeaker System

User Manual



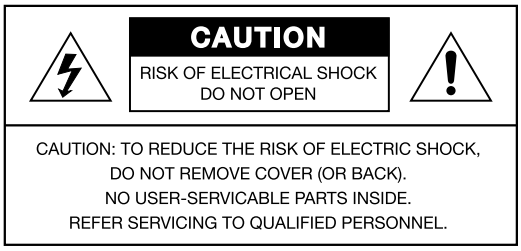
UM-T10a-20121106 ver A

SAFETY INSTRUCTIONS

PLEASE READ THIS MANUAL FIRST

Thank you for a buying β_3 product. Read this manual first as it will help you operate the system properly. Please keep this manual for future reference.

⚠ ***WARNING:*** ***This product must be installed by professionals. When using hanging brackets or rigging other than those supplied with the product, please ensure they comply with the local safety codes.***



The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and servicing instructions.

⚠ **ATTENTION:** ***Don't refit the system or spare parts without being authorized as this will void the warranty.***

⚠ **WARNING:** ***Don't place naked flames (such as candles) close to the equipment.***

1. Read the instruction manual first before using this product.
2. Please keep this manual for future reference
3. Pay attention to all warnings.
4. Obey all operating instructions.
5. Do not expose this product to rain or moisture.
6. Clean this equipment with a dry cloth.
7. Do not block any ventilation openings. Install according to manufacturer's instructions .
8. Do not install this product near any heat source, such as a, heater, burner, or any other equipment with heat radiation .
9. Only use spare parts supplied by the manufacturer.
10. Pay attention to the safety symbol on the outside of the cover.

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⚠ Product information is subject to change without prior notification. Please visit www.elderaudio.com for latest updates.

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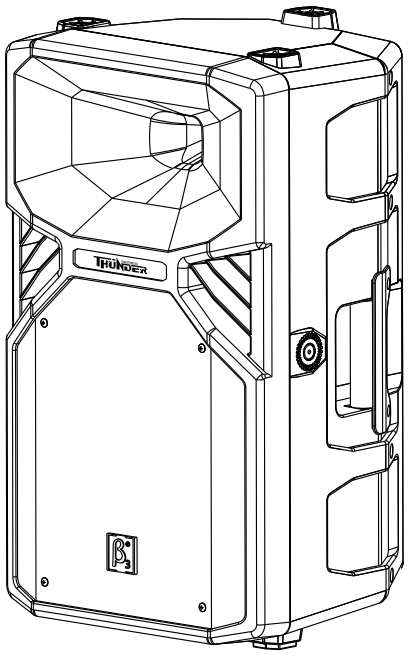
Two Way10" Full Range Active Speaker



Features

- Compact lightweight design with unique appearance.
- New generation Class D amplifier, durable and reliable.
- Performance enhanced with built-in DSP.
- Heavy duty powered coated steel grill.
- 35mm SMART pole mount for vertical and 5 ° downward tilt.
- Integrated feet for stage monitor applications.
- M8 rigging points for convenient installation.

Description

T10a Thunder series is designed for portable and installed applications. The integrated polymer PVC cabinet design ensures durability and full natural high performance sound.

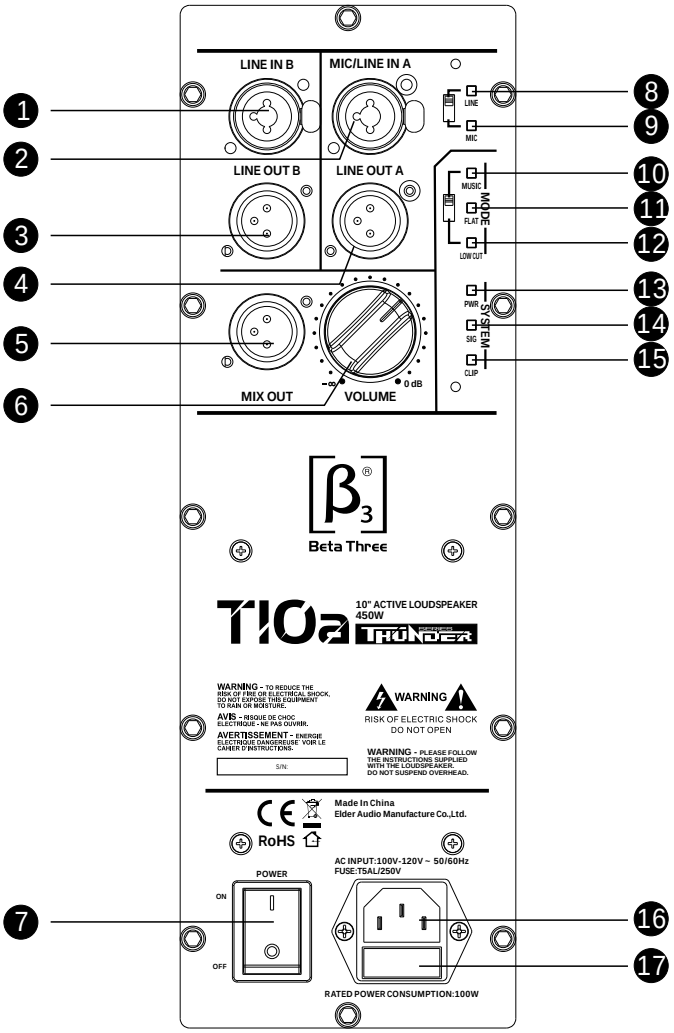
Â3® T10a is a full range active speaker with a 450W Class D amplifier module. The high powered 10" woofer delivers powerful low frequency and the 1.3" Titanium compression driver delivers high definition mid/high frequencies.

Rigging points and SMART pole mount makes for easy installation or portable use.

Applications

- Church
- Auditorium
- Conference room
- Small performance
- Multifunctional hall

Rear Panel Amplifier Module



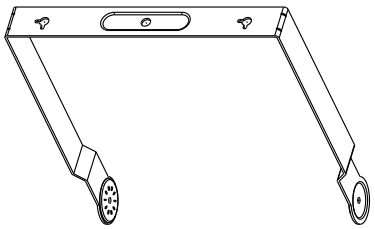
1. Line input B.
2. Line/microphone input A.
3. Line output B.
4. Line/microphone output A.
5. MIX output.
6. Volume control.
7. Power **ON/OFF** switch.
8. Line input signal indicator.
9. Microphone input signal indicator.
10. Music mode.
11. Flat mode.
12. Low cut mode.
13. Power indicator.
14. Signal indicator.
15. Clip indicator.
16. Power supply input. Make sure that the voltage is set for your country's correct voltage.
17. Protection fuse. Use only fuse of the correct amp rating.

Attention : Before changing the MODE switch, please power the speaker off to avoid possible damage.

Installation Accessories(Optional)

1. Speaker stand

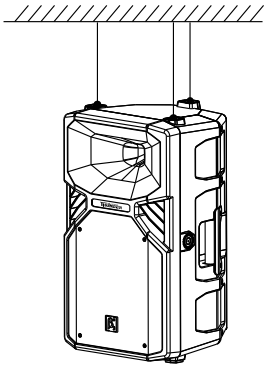
2. U-Bracket



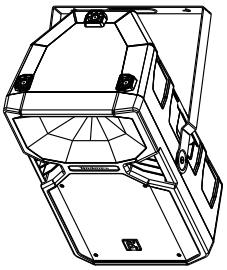
Warning: Make sure the mounting accessories safety factor not less than 5:1 or meet the local standard during installation .

Installation Reference

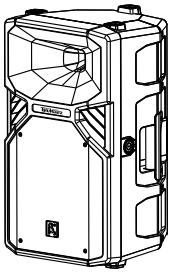
1.Reference A



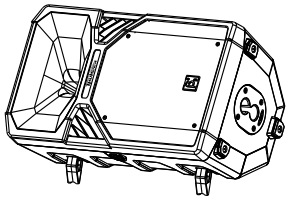
2.Reference B



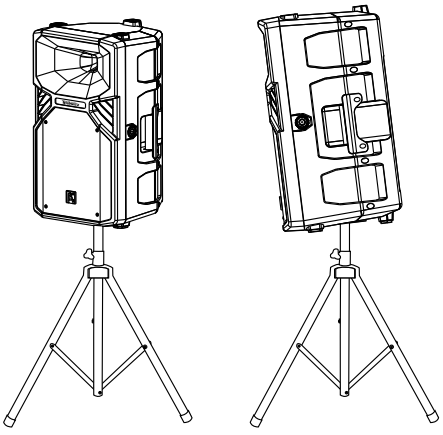
3.Reference C



4.Reference D



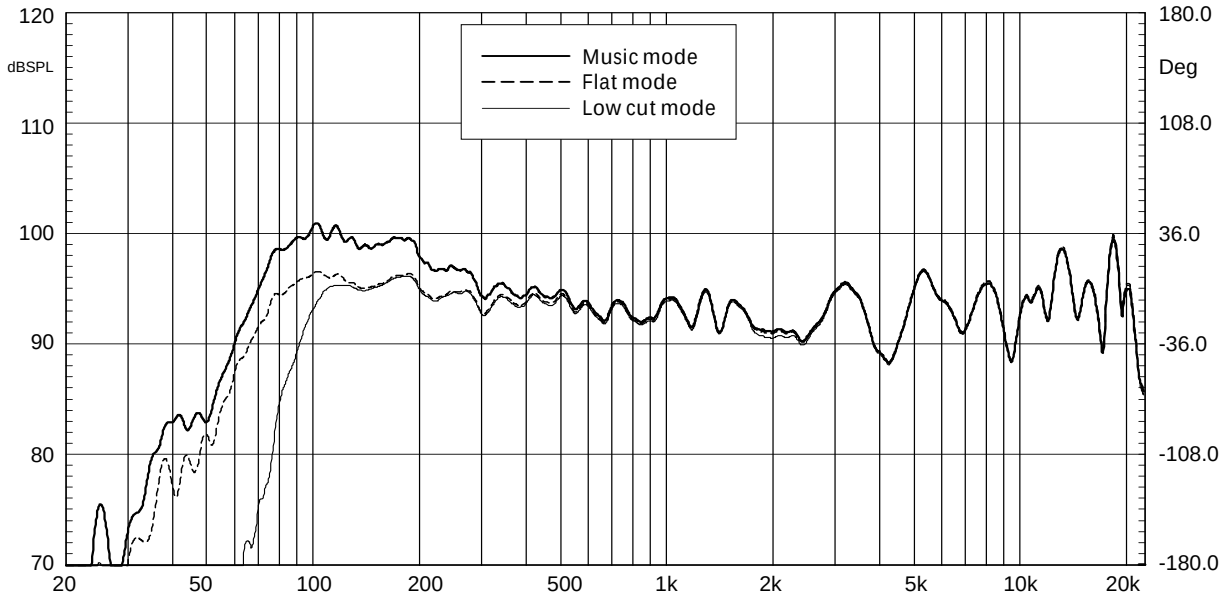
5. Speaker stand application



Specification

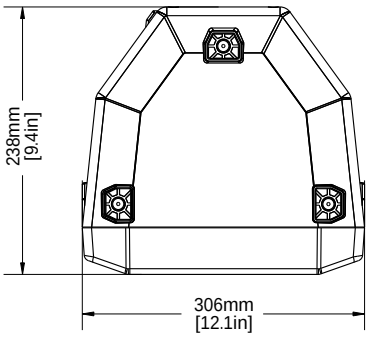
Frequency response(-3dB):	55Hz-20kHz
Max.SPL:	124dB
Dispersion(H×V):	90°×60°
Transducer:	1× 10" Woofer
	1× 1.3" Compression Driver
Rated impedance:	8 Ohms
Connector:	XLR /XLR
Input:	Channel one (Mic/Line) balanced input
Input impedance(line):	20Kohm balanced input, 10Kohm unbalanced input
Input level:	0 dBV (0.775V rms, 1.0 V peak)Line-100Hz
Input overloading level:	Maximum input level 8 V peak
Wire connection:	pin 1: ground; pin2: signal +; pin3: signal -
Heat radiation:	Forced air-cooled drives
Power cable:	IEC 3 pin power connector
Safety voltage range:	AC 220V-240V~, 50/60Hz (or AC 110V-120V~, 50/60Hz)
Amplifier power output:	450W
Cabinet:	Polypropylene injection moulding
Flying/ Mounting accessories：	3×M8 hanging point, SMART pole mount system
Handle:	One side, one rear
Painting:	Powered coated grill
Cabinet dimension(W×D×H):	306×238×516mm(12.1×9.4×20.3in)
Packing dimension(W×D×H):	355×355×602mm(14.0×14.0×23.7in)
Net weight:	13.8kg(30.4 lb)
Gross weight:	15.3kg(33.7 lb)

Frequency response curve

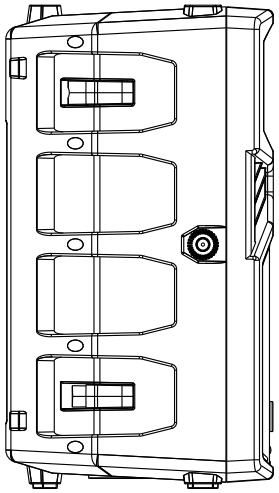


2D Dimension

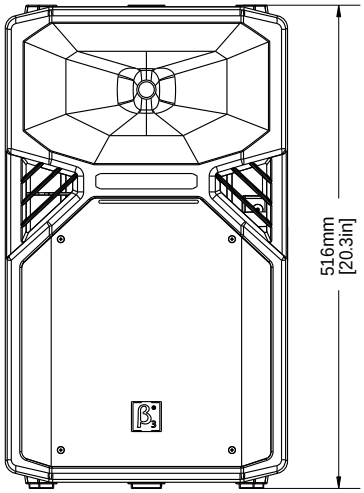
Top view



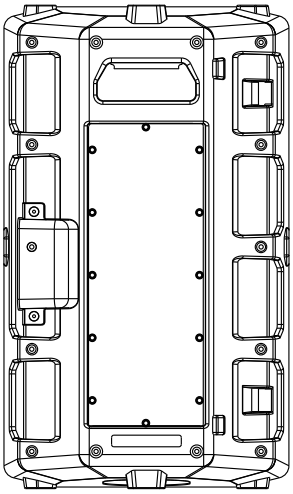
Side view



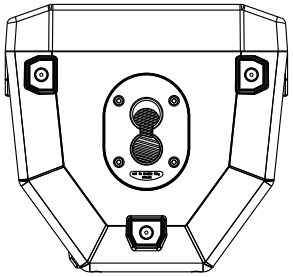
Front view



Back view



Bottom view



Notes:

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