



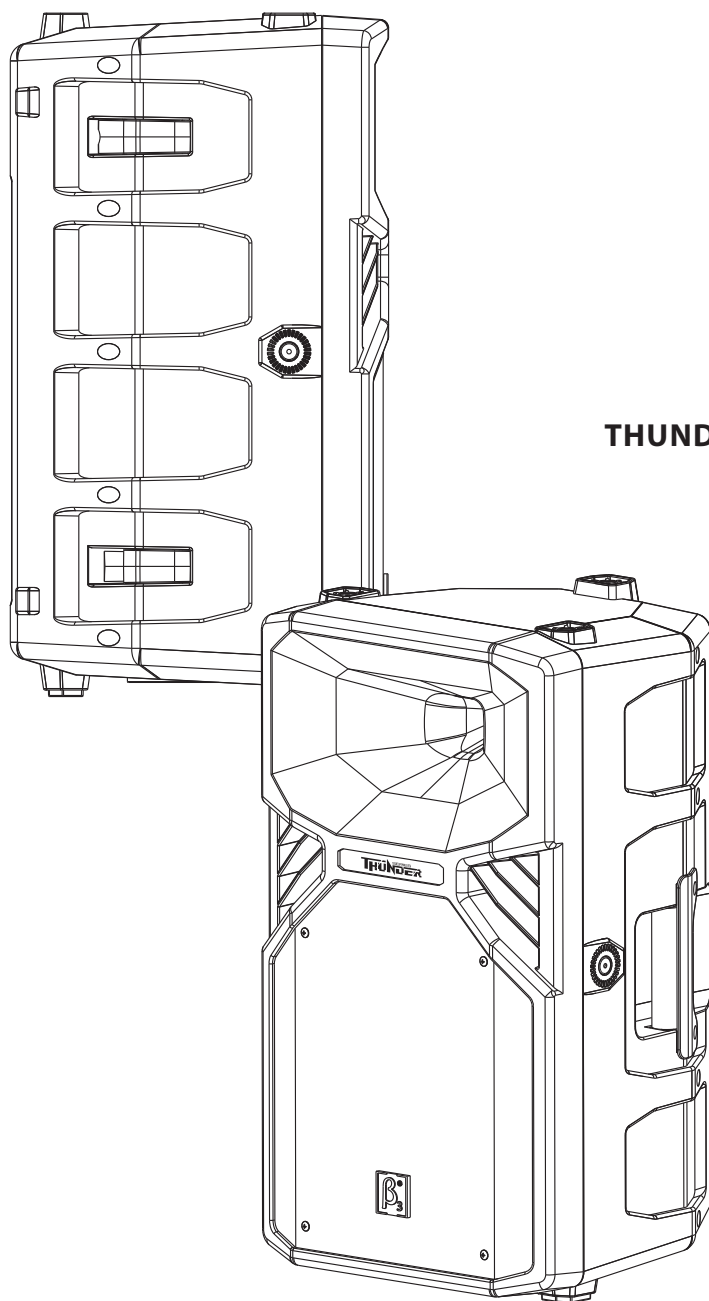
Beta Three

# T10a

Two Way 10" Full Range  
Active Speaker

THUNDER Series Pro Loudspeaker System

## User Manual



UM-T10a-20160220 ver A

# SAFETY INSTRUCTIONS

## PLEASE READ THIS MANUAL FIRST

Thank you for a buying  $\beta_3$  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.*

|                                                                                                                                                                 |                                                           |                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                                                                | <b>CAUTION</b><br>RISK OF ELECTRICAL SHOCK<br>DO NOT OPEN |  |
| CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,<br>DO NOT REMOVE COVER (OR BACK).<br>NO USER-SERVICABLE PARTS INSIDE.<br>REFER SERVICING TO QUALIFIED PERSONNEL. |                                                           |                                                                                   |

|                                                                                                                                                                                                                                        |                                                           |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                                                                                       | <b>AVIS</b><br>RISQUE DE CHOC ÉLECTRIQUE<br>NE PAS OUVRIR |  |
| ATTENTION : POUR RÉDUIRE LE RISQUE DE DÉCHARGE<br>ÉLECTRIQUE, NE RETIREZ PAS LE COUVERCLE (OU<br>L'ARRIÈRE). IL NE SE TROUVE À L'INTÉRIEUR AUCUNE<br>PIÈCE POUVANT ÊTRE RÉPARÉE PAR L'USAGER.<br>S'ADRESSER À UN RÉPARATEUR COMPÉTENT. |                                                           |                                                                                     |

**⚠** *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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## INTRODUCTION

T10a  
THUNDER Series Pro Loudspeaker System

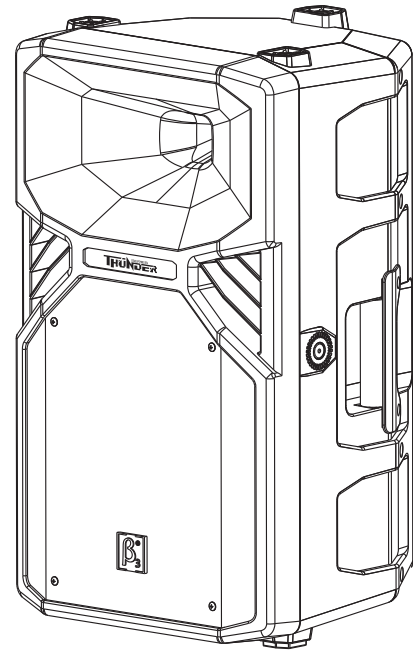


# T10a

Two Way 10" 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.

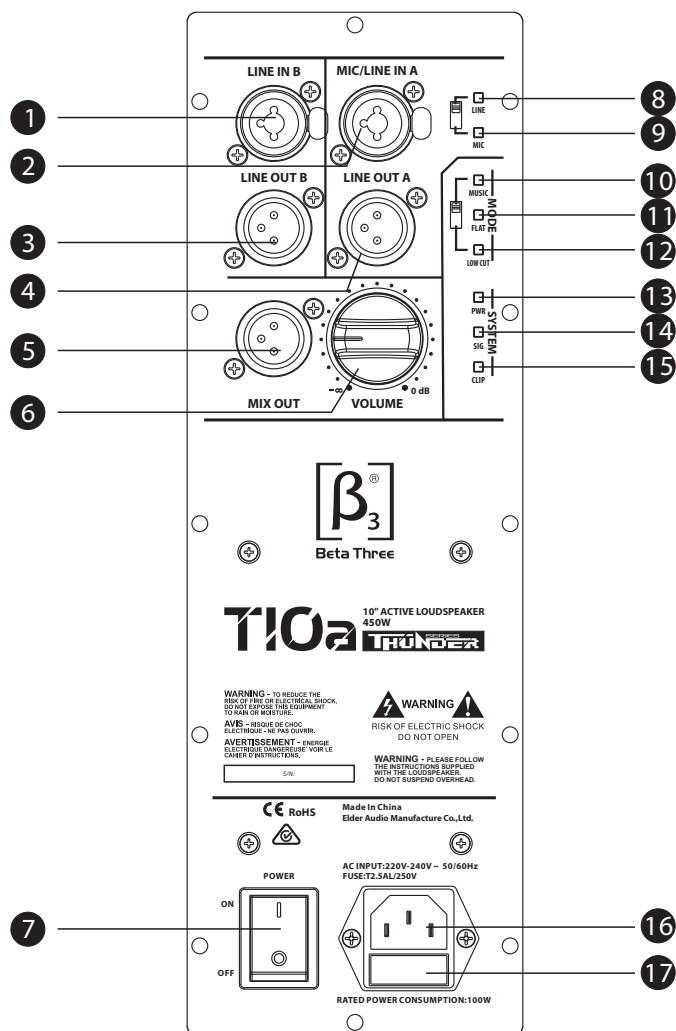
β 3<sup>®</sup> T10a is a full range active speaker with a 450W Class D amplifier module. The high powered 10" woofer delivers powerful low frequency and the 1.3" Titanium compression driver delivers high definition mid/high frequencies.

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



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

## INSTALLATION

TIOa  
THUNDER Series Pro Loudspeaker System

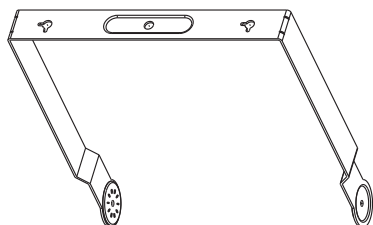


### Installation Accessories(Optional)

#### 1. Speaker stand



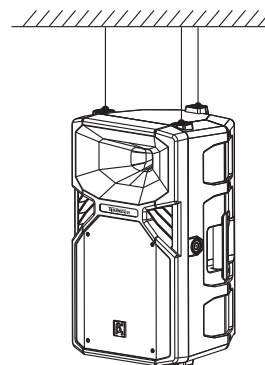
#### 2. U-Bracket



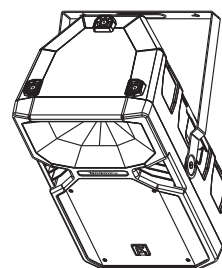
**Warning:** Make sure the mounting accessories safety factor not less than 5:1 or meet the local standard during installation .

### Installation Reference

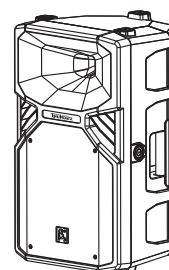
#### 1.Reference A



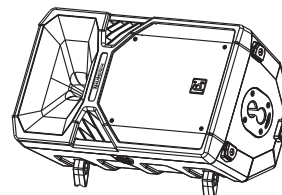
#### 2.Reference B



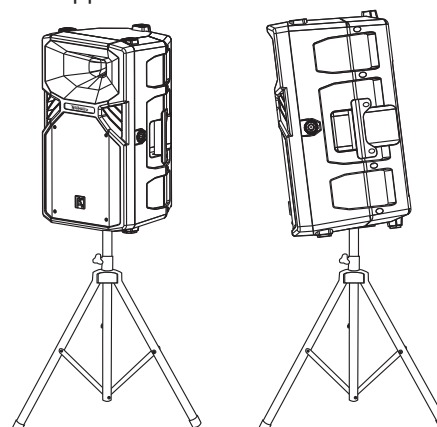
#### 3.Reference C



#### 4.Reference D



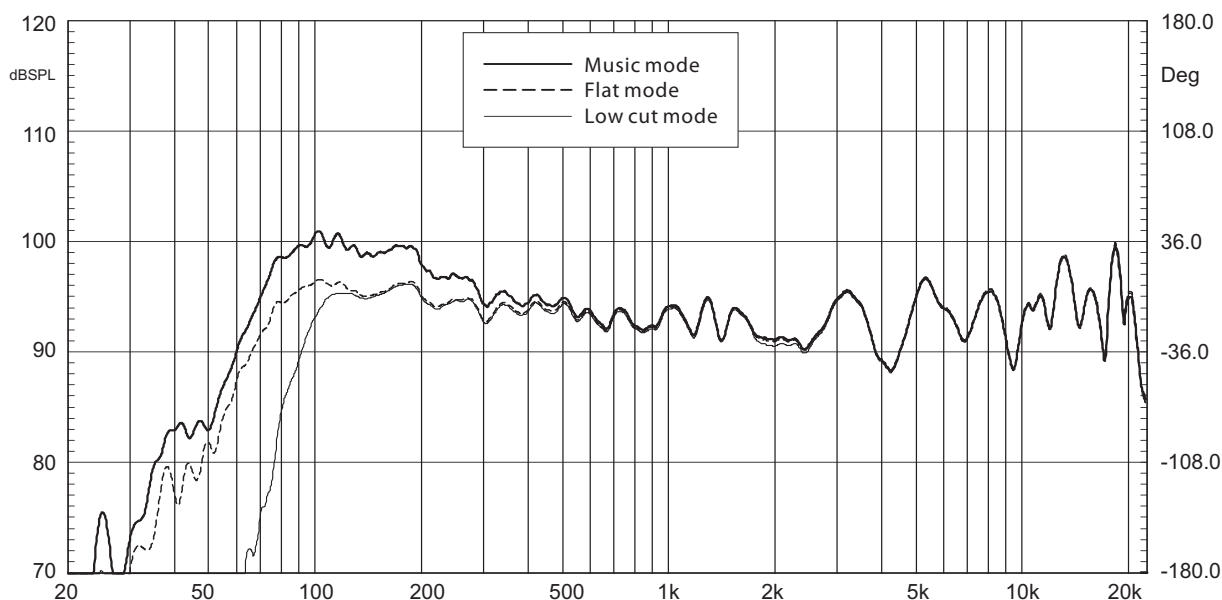
#### 5. Speaker stand application



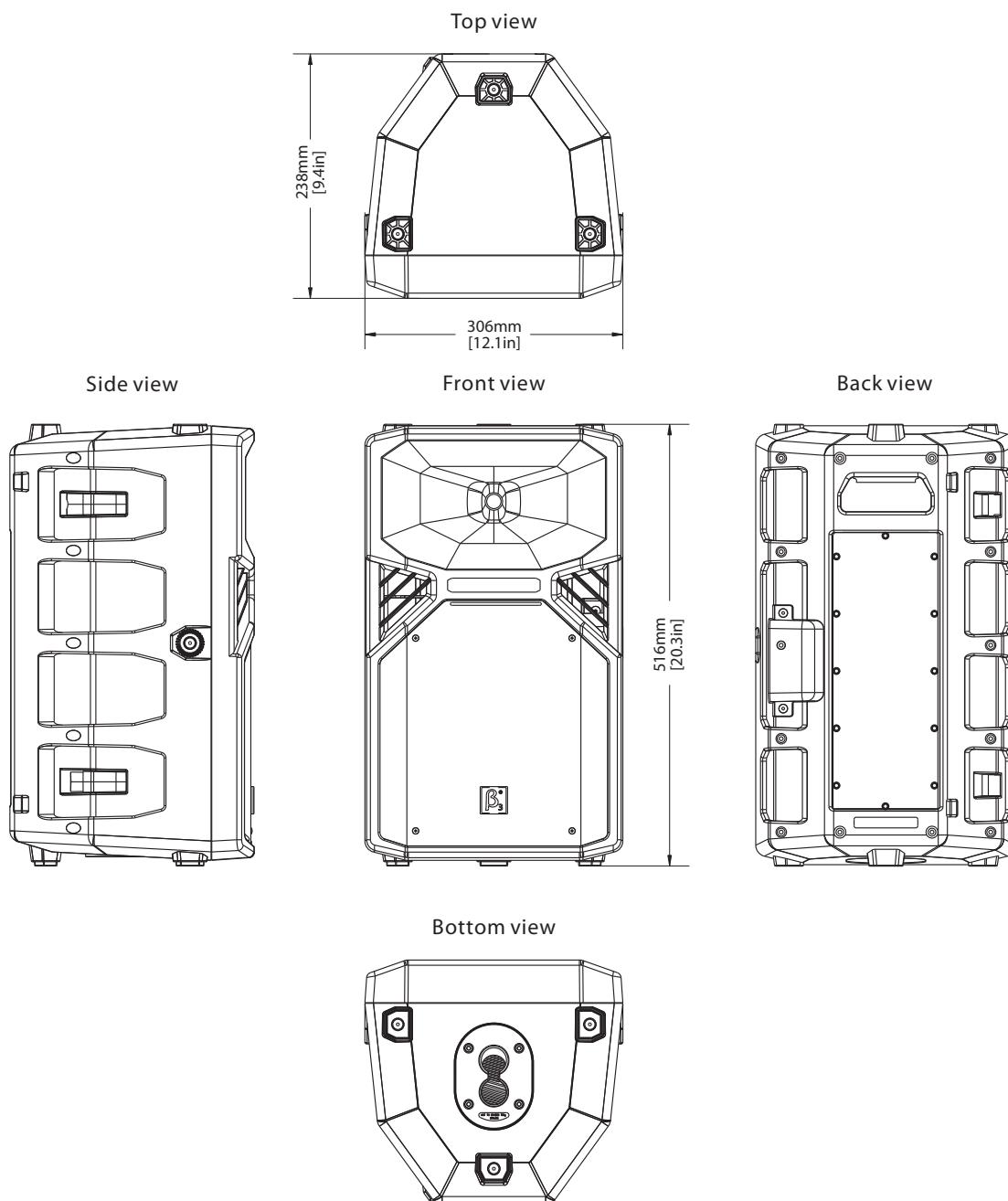
## Specification

|                               |                                                |
|-------------------------------|------------------------------------------------|
| Frequency response(-3dB):     | 55Hz-20kHz                                     |
| Max.SPL:                      | 124dB                                          |
| Dispersion(H×V):              | 90°×60°                                        |
| Transducer:                   | 1× 10" Woofer<br>1× 1.3" Compression Driver    |
| Rated impedance:              | 8 Ohms                                         |
| Connector:                    | XLR for input, XLR for output                  |
| 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                           |
| 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





**Notes:**



**Beta Three**