

# Beta Three MU8 Two Way Full Range Passive Speaker User Manual

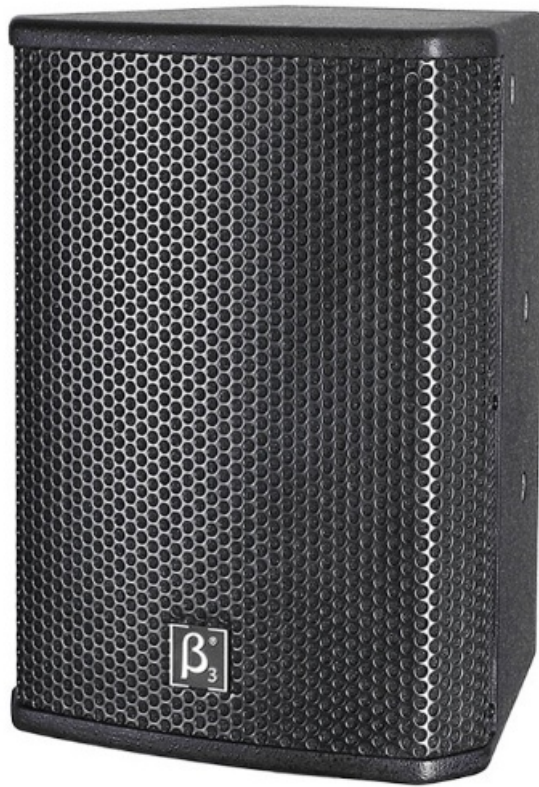
[Home](#) » [Beta Three](#) » Beta Three MU8 Two Way Full Range Passive Speaker User Manual 

## Contents

- [1 Beta Three MU8 Two Way Full Range Passive Speaker](#)
- [2 SAFETY INSTRUCTIONS](#)
- [3 INTRODUCTION](#)
  - [3.1 MU8 Two-way full range passive speaker](#)
- [4 Description](#)
- [5 Applications](#)
- [6 CONNECTION](#)
- [7 Terminal Plate](#)
- [8 Speaker Wiring](#)
- [9 Installation Accessories](#)
- [10 Installation Reference](#)
- [11 TECHNICAL SPECIFICATION](#)
- [12 Speaker Testing Method](#)
- [13 Frequency response curve & Impedance curve](#)
- [14 2D Dimension](#)
- [15 Documents / Resources](#)
- [16 Related Posts](#)



**Beta Three MU8 Two Way Full Range Passive Speaker**



## SAFETY INSTRUCTIONS

### PLEASE READ THIS MANUAL FIRST

Thanks for buying products. 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 the hanging and rigging parts that are not appointed, please ensure the intensity of the structure complies with the local safety criterion.
- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- To reduce the risk of electric shock, only qualified professionals can remove the cover of this system.

### CAUTION

- RISK OF ELECTRICITY SHOCK DON'T OPEN
- TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED PERSONNEL.
- The lighting flash & arrowhead symbol within an equilateral triangle is intended to alert you that this part is not dielectric, and may cause the hazard of electric shock.
- The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and servicing instructions.
- **ATTENTION:** This system must be connected to the output socket with a grounded thread.
- **ATTENTION:** Don't refit the system or spare parts without being authorized as this will cause hidden trouble.
- **WARNING:** Don't lay the fire source (such as a litten candle) above the equipment.
- **ATTENTION:** Please operate cautiously even when the main socket or the coupling apparatus is used as

disconnection equipment.

1. Read this instruction 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. Smear this equipment with dry cloth.
7. Do not block any ventilation openings. Install according to instructions of the manufacturer.
8. Do not install this product near any heat source, such as caliduct, heater, burner, or any other equipment with heat radiation (include amplifier).
9. Do not destroy the safety settings of the polarity or grounded connector. If the connector provided can't be plugged into the socket, please ask for the electrician to change the socket.
10. Avoid the thread (especially the connector, socket, and the parts outside the body) to be under kick or heavily hustled.
11. Only use spare parts appointed by manufacturer.
12. Please only use cart, stand, tripod, bracket and table that are appointed by the manufacturer or sold together with the apparatus. Please avoid overturn the cart or apparatus when push.
13. In the event of lighting flash or nonuse for a long period, please put off the power supply and pull out the cord to avoid unexpected dangers.
14. When the apparatus damages in the case of the power cord or connector damages, liquids spill into the inside of the product or objects fall into, exposure to rain or moisture, apparatus are out of work or breaks, please ask for the help from the professionals.
15. To avoid hazard of fire or electric shock, please avoid socket, extend thread, and power supply been overloaded.
16. Take care that objects do not fall into and that liquids are not spilled into the inside of the product as this will cause hazard of fire or electric shock.
17. Pay attention to the safety symbol on the outer side of the cover.
18. Only plug the connector in proper power supply of which the voltage complies with this equipment. Please follow the operating instruction or symbol. This equipment must be protected from the spill or insufflations of liquid. Do not lay objects filled with liquid (such as a vase) above this equipment Z

## INTRODUCTION

Product information is subject to be updated without notification, please visit [www.elderaudio.com](http://www.elderaudio.com) for the latest update.

### MU8 Two-way full range passive speaker

#### Features

- Two-way full range phase inverted speaker, which adopts Coaxial transducer with 8" LF part and 1.4" HF part
- Single Neodymium magnet design on the coaxial transducer
- Dispersion is 90° X 90°
- Advanced crossover design makes sure the reliability of the tweeter.

- Sensitivity is 94dB, Max is SPL 115dB.
- RMS power is 150W, is peak power is 600W.
- Support flange, three mounting points.
- Powder coated grille can be used outdoors for
- 5 years. The foam backside of the grille can prevent the rain.
- Advanced paint materials and advanced painting technology make the surface very rigid.
- The sound is very clean, powerful, and stretchy.

## Description

3 MU8 is a very compact design active speaker integrated with the coaxial transducer. It consists of one 8" Neodymium woofer with 34MM voice coil and one 1.4" compression driver. The rated power is 150W. Asymmetrical magnet circuit design reduces the impaired HD effectively and enhances the LF sound quality. Cabinet is made of 15mm birch plywood with advanced environmental protection. The polyurethane-based painting is very rigid. The cabinet strength reaches 4500N. Q235 grille is coated by powder to provide strong ultra-Weatherability and can be used outdoors for 5 years. The backside foam of the grille can prevent the rain. MU8 adopts the built-in crossover and single-channel amplifier module. MU8 is mainly designed for conference rooms, multifunctional halls, auditoriums, church, living performances. It can be used separately or can be used with MU12B together.

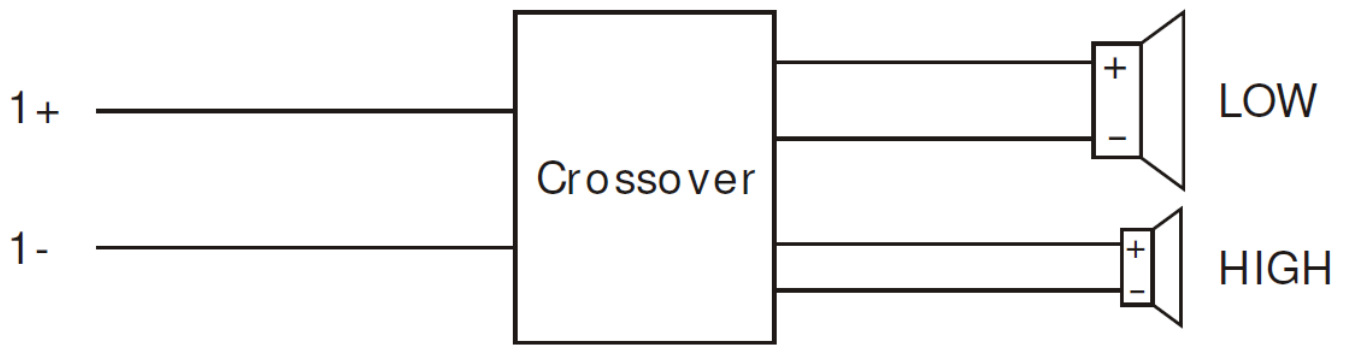
## Applications

- multifunctional hall
- small hall
- Church
- conference room
- background music

## CONNECTION

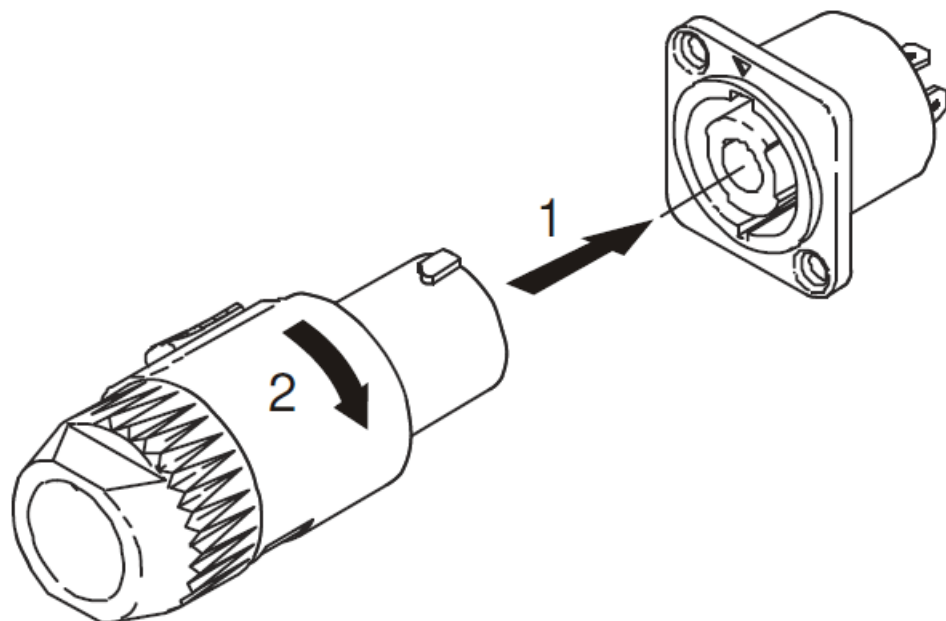
Two NL4 connectors are available for amplifier connections. The paralleled connector is very convenient for another speaker connection.

Terminal Plate

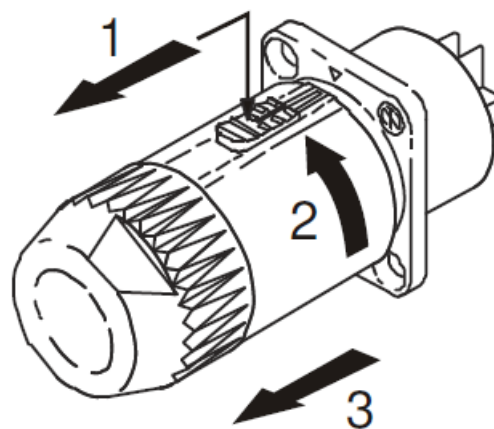


## NL4 Connection

### 1. Connect

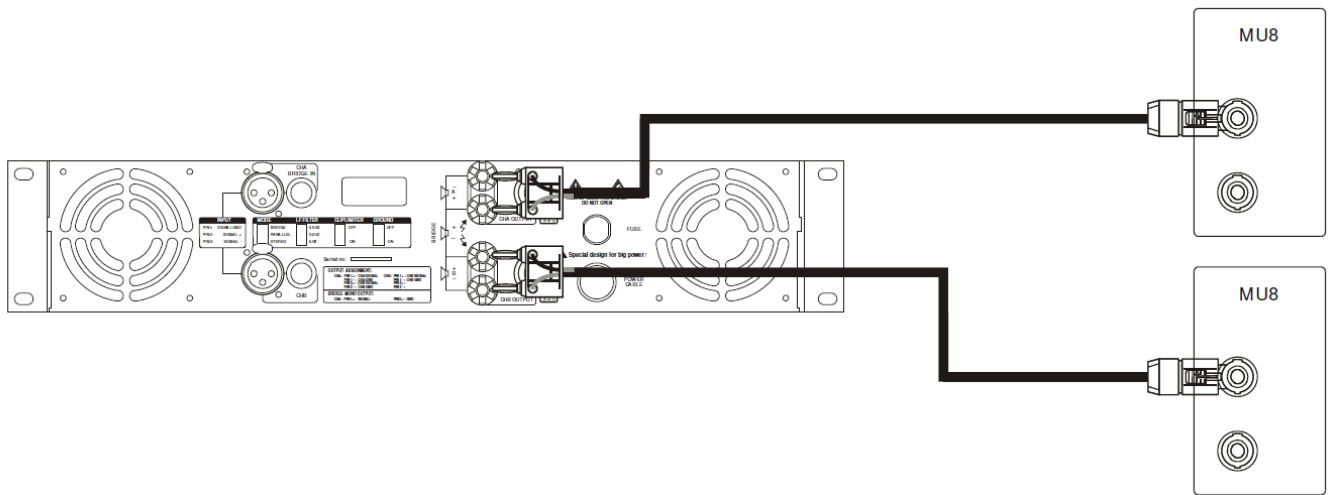


### 2. Disconnect

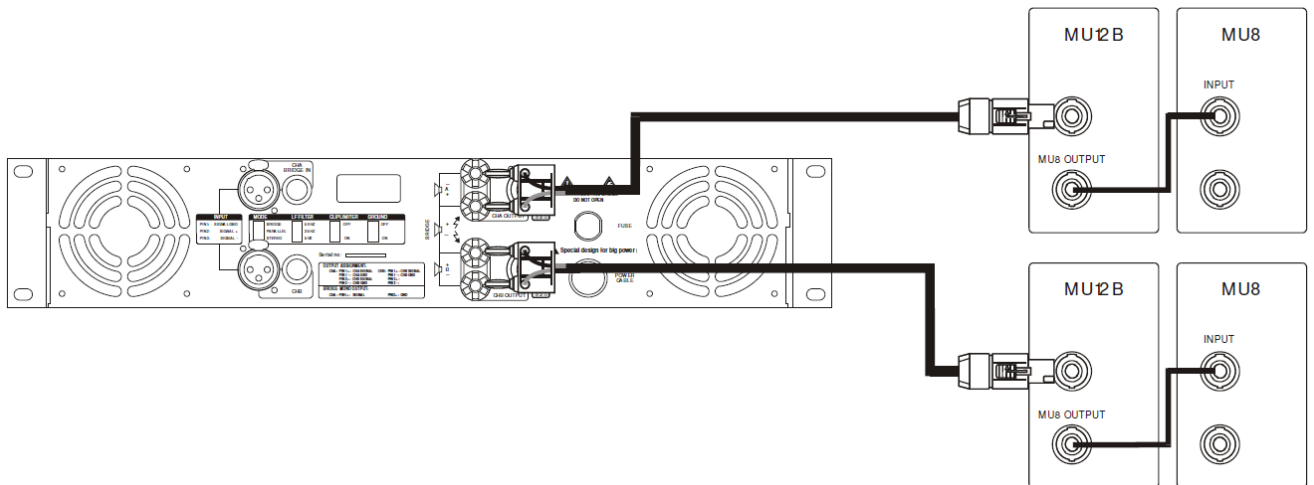


## System Connection Reference

### Reference A:



# • **Reference B:**

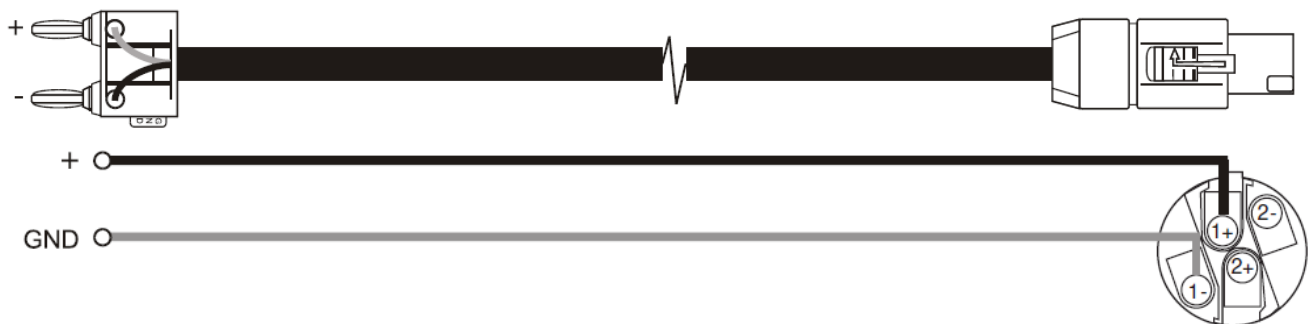


**Attention:** The impedance of the connected speaker must match the impedance of the amplifier output.

- **Attention:** Make sure the polarity of the speaker and amplifier correct.

## Speaker Wiring

### 1. Banana plugs to NL4

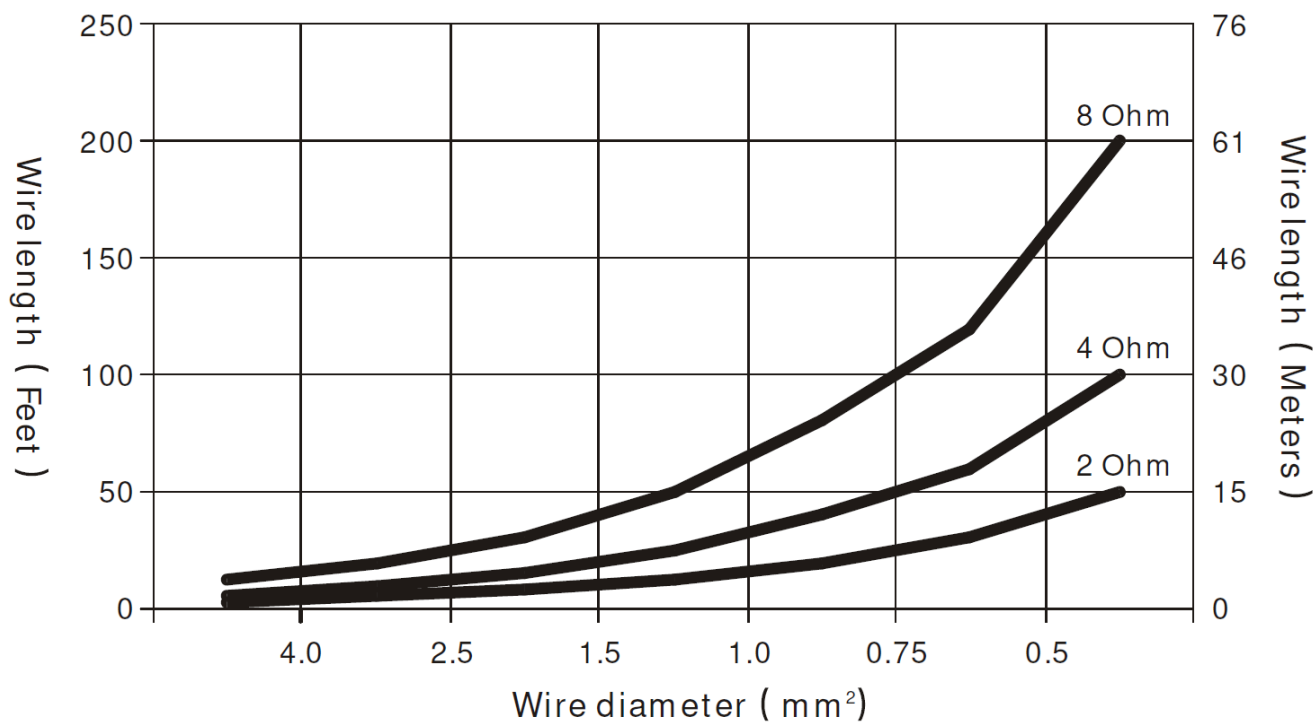


### 2. NL4 to NL4 Connect to amplifier WITH Connect to the speaker





3. Consumption curve of connection cable(Only for reference, the result is different if adopting the different cables)



## Installation Accessories

Support flange and three special mounting points are very convenient for different applications.

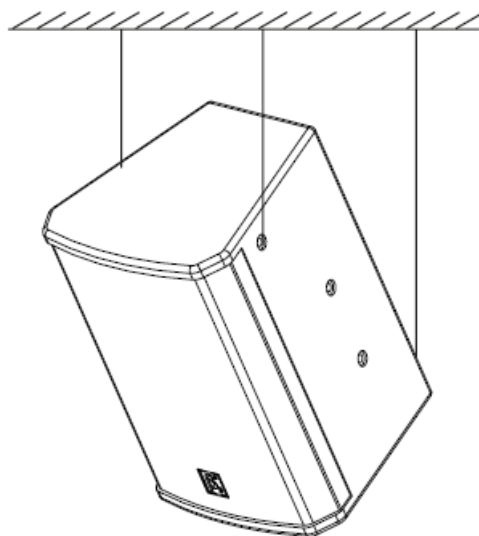
1. Speaker stand



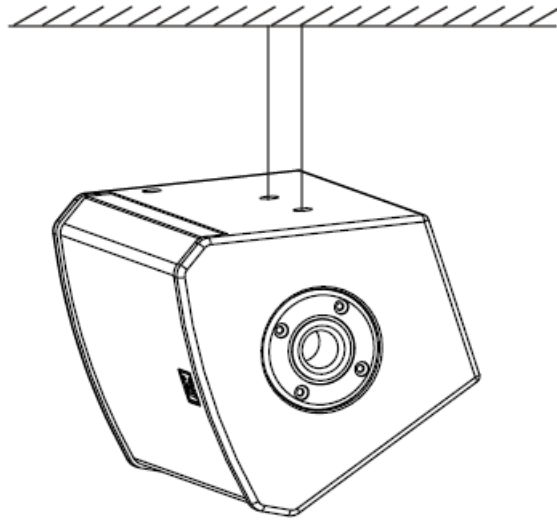


## Installation Reference

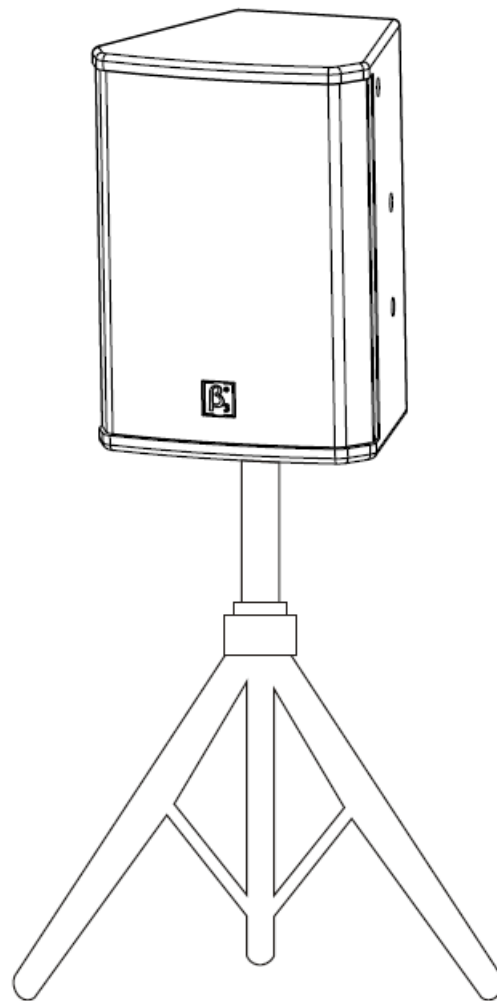
### Reference A



### Reference B



### Reference C



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

## TECHNICAL SPECIFICATION

### Specification

- System: Full range passive speaker

- Tweeter: 1X1.4" compression driver
- Woofer: 1X8" woofer
- Frequency response(-3dB): 80Hz-20kHz
- Frequency response(-10dB): 70Hz-20kHz
- Sensitivity(1W@1m ): 94dB
- Max.SPL(1m ): 115dB/ 121dB(PEAK)
- Power: 140W (RMS) 280W (MUSIC) 560W (PEAK)
- Dispersion H V: 90X90
- Rated impedance: 8 ohms
- Crossover point: 1.5kHz
- Cabinet: Wedge shape
- Installation: support flange, three mounting points
- Handle: 2 Wooden handle
- Surface: Polyurethane-based painting. The steel grille is coated with powder to provide strong ultra-Weatherability.
- Connector: NL4 2
- G.W.(Pcs): 280X262X380mm
  - (WD H) (11.0 10.3 15.0in)
- Package dimension: 340X320X460mm
  - (WD H) (13.4 15.6 18.1in)
- N.W.(Pcs): 8kg(17.6 lb)
- G.W.(Pcs): 9kg(19.8 lb)
- Optional accessory: speaker stand

## Speaker Testing Method

### 1. Frequency response

Use Pink noise to test the speaker in the anechoic room, adjust the level to make the speaker work at its rated impedance and the power output is 1W, then test the frequency response 1m away from the speaker.

### 2. Sensitivity

Use full range Pink noise which was modified by EQ curve to test the speaker in the anechoic room, enlarge the signal to make the speaker work at its rated impedance and the power output is 1W, then test the sensitivity 1m away from the speaker.

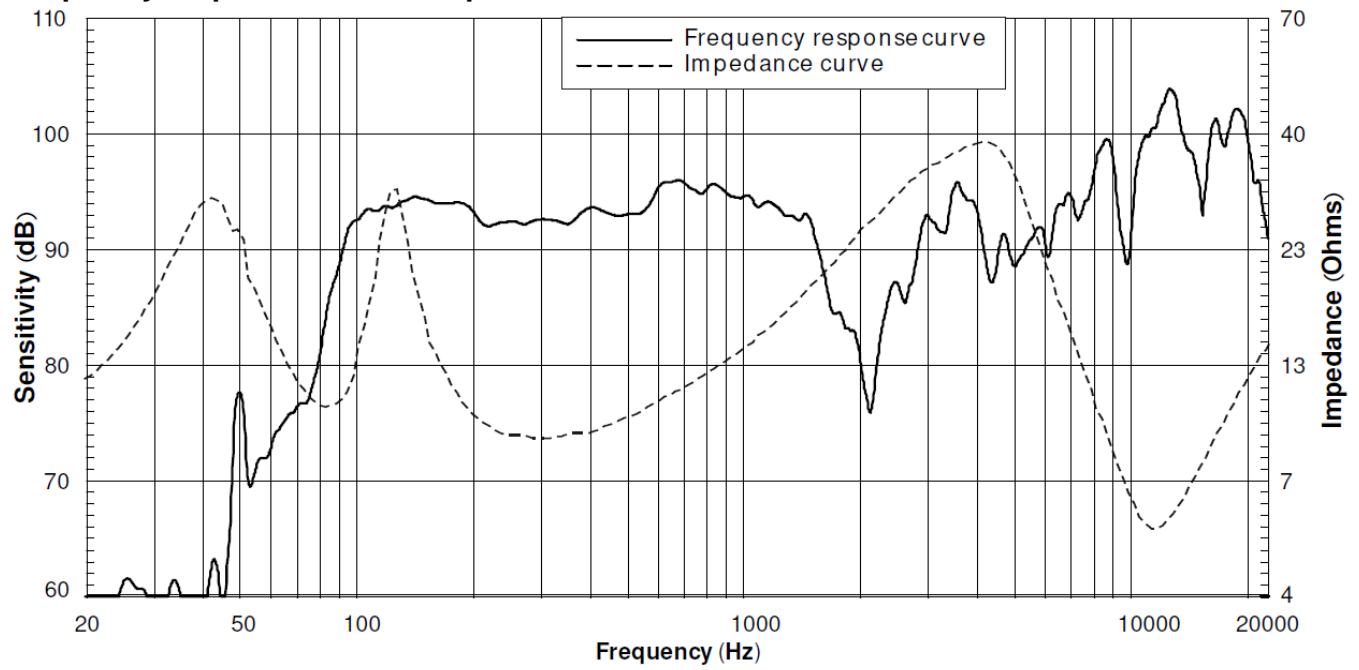
### 3. MAX.SPL

Use full range Pink noise which was modified by EQ curve to test the speaker in the anechoic room, enlarge the signal to make the speaker work at its instant power output level, then test the SPL 1m away from the speaker.

### 4. Rated Power

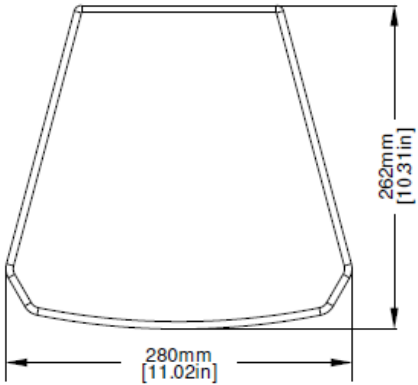
Use the pink noise according to IEC#268-5 to test the speaker, enlarge the signal for a continuous 100hours, the rated power is the power when the speaker will not incur hot damage or mechanics damage.

## Frequency response curve & Impedance curve

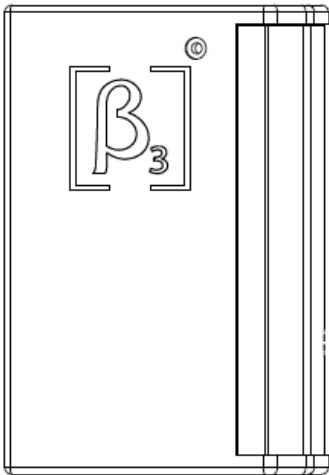


2D Dimension

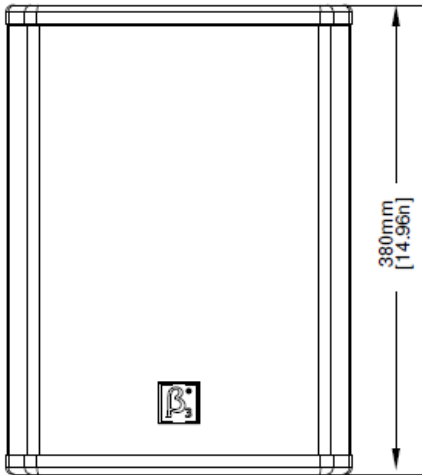
Top view



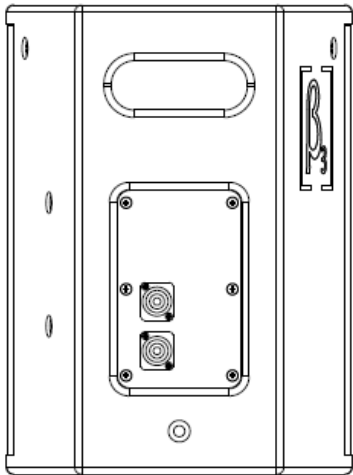
Side view



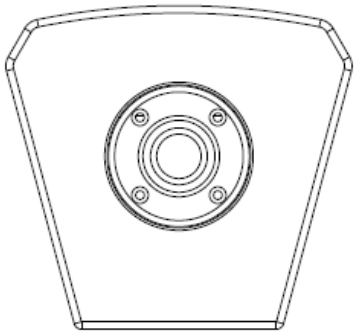
Front view



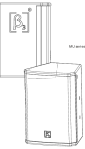

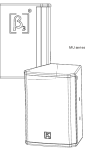

Back view



Bottom view



Documents / Resources

 <p>MU8 Two-Way Full Range Passive Speaker User Manual</p> 	<p><a href="#">Beta Three MU8 Two Way Full Range Passive Speaker</a> [pdf] User Manual</p> <p>Mu Series Professional Loudspeaker System, MU8, Two Way Full Range Passive Speaker, MU8 Two Way Full Range Passive Speaker</p>
 <p>MU8 Two-Way Full Range Passive Speaker User Manual</p> 	<p><a href="#">Beta Three MU8 Two-Way Full Range Passive Speaker</a> [pdf] User Manual</p> <p>MU8, Two-Way Full Range Passive Speaker, MU8 Two-Way Full Range Passive Speaker, Full Range Passive Speaker, Range Passive Speaker, Passive Speaker</p>