

SAFETY INSTRUCTIONS



PLEASE READ THIS MANUAL FIRST



Thank you for buying M 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.

⚠ WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

⚠ WARNING: To reduce the risk of electric shock, only qualified professionals can remove the cover of this system

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

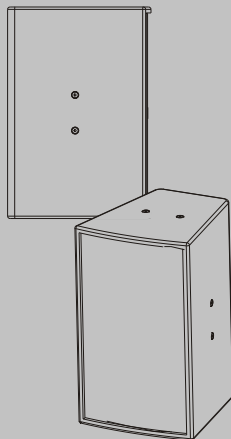
| | | |
|--|---|---|
|  | AVIS RISQUE DE CHOC ÉLECTRIQUE NE PAS OUVRIR |  |
| ATTENTION : POUR RÉDUIRE LE RISQUE DE DÉCHARGE ÉLECTRIQUE, NE RETIREZ PAS LE COUVERCLE (OU L'ARRIÈRE). IL NE SE TROUVE À L'INTÉRIEUR AUCUNE PIÈCE POUVANT ÊTRE RÉPARÉE PAR L'USAGER. S'ADRESSER À UN RÉPARATEUR COMPÉTENT. | |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



The lightning 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.



UM-DFS-810 Beta-20170208 A



Passionate about Music
It's what we do!

DFS-810 Beta

10" Dual Transducer Two Way
Full Range Speaker

User Manual

DFS-810 Beta

10" dual transducer two way full range speaker

Features

- 1x34mm diaphragm compression High frequency driver
- 1x 10" high-power transducer low frequency driver.
- 125°x125° coverage pattern
- Frequency response range: 65Hz-20kHz (-3dB)
- Sensitivity: 94dB, MAX.SPL: 110dB(PEAK).
- Rated power: 240W, PEAK: 960W
- 7xM8 hanging point

Description

M DFS-810 Beta Dual transducer two way low/high full range speaker.

The system comprises of 1x 10" high-power low frequency transducer and 1x34mm diaphragm compression High frequency driver

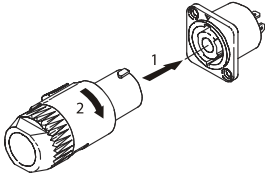
Big dynamic and high sensitivity, clear & penetrating at high frequency, good bass sound.

Applications

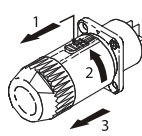
- Medium conference room
- Multifunctional halls
- Live performance

NL4 Connection

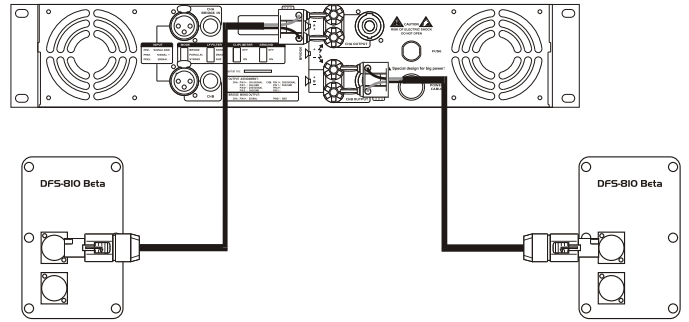
1. Connect



2. Disconnect



System Connection Reference



- ▲ **Attention:** The impedance of connected speaker must match the impedance of amplifier output.
- ▲ **Attention:** Make sure the polarity of speaker and amplifier correctly.

Technical Specification

| | |
|--|--|
| System: | Passive full range wooden speaker with painting |
| Tweeter: | 1 x 34mm diaphragm compression driver |
| Woofer: | 1 x 10" LF transducer |
| Frequency response(-3dB): ¹ | 65Hz-20kHz |
| Frequency response(-10dB): | 63Hz-22kHz |
| Sensitivity(1W@1m): ² | 94dB |
| Max. SPL(1m): ³ | 110dB/116dB(PEAK) |
| Power: | 240W (RMS) ⁴ 480W (MUSIC) 960W (PEAK) |
| Dispersion (H×V) : | 125° × 125° |
| Rated impedance: | 4~8 Ohms |
| Construction: | 15mm Birch Plywood |
| Installation: | 7xM8 hanging point |
| Painting: | white powder coated structure with 1.2mm low carbon steel mesh |
| Connector: | 1 × NL4 |
| Cabinet dimension: (W×D×H) | 335 × 300 × 535mm (13.2 × 11.8 × 21.1in) |
| Package dimension: (W×D×H) | 425 × 390 × 635mm (16.7 × 15.3 × 25.0in) |
| Net weight(pc): | 15.2kg(33.4 lb) |
| Gross weight(pc): | 17.5kg(38.5 lb) |

Speaker Testing Method

1. Frequency Response

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

2. Sensitivity

Use full range Pink noise which has been modified using an EQ curve to test the speaker in the anechoic chamber, increasing the signal to make the speaker work at its rated impedance and set the power output at 1W, then test the sensitivity 1m away from the speaker.

3. MAX.SPL

Use full range Pink noise which has been modified using an EQ curve to test the speaker in the anechoic chamber, increase the signal to make the speaker work at its maximum power output level, then test the SPL 1m away from the speaker.

4. Rated Power

Use Pink noise to the IEC#268-5 standard to test the speaker, increase the signal for a continuous period of 100 hours, the rated power is the power when the speaker will show no visible or measurable damage.

Frequency response curve & Impedance curve

