

# SAFETY INSTRUCTIONS

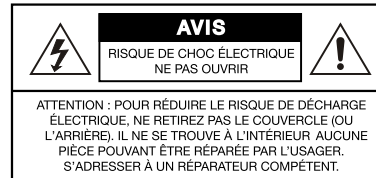
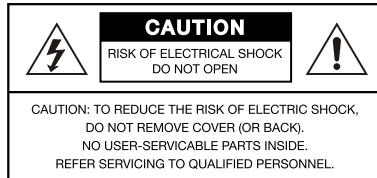
## PLEASE READ THIS MANUAL FIRST

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.

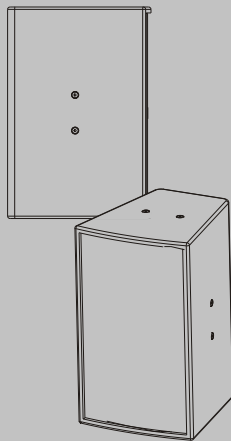
**⚠ WARNING:** To reduce the risk of electric shock, only qualified professionals can remove the cover of this system



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-812 Beta-20170208 A



Passionate about Music  
It's what we do!

## DFS-812 Beta

12" Dual Transducer Two Way  
Full Range Speaker

## User Manual

## DFS-812 Beta

12" dual transducer two way full range speaker

### Features

- Dual transducer Two way Full range speaker
- 1x 12" high-power transducer low frequency driver
- 1x 34mm HF compression driver
- Frequency response range: 55Hz-20kHz (-3dB)
- Sensitivity: 97dB, MAX.SPL: 124dB(PEAK).
- Rated power: 400W, PEAK: 1600W
- 7xM10 hanging point

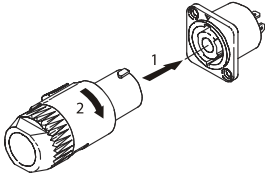
### Description

**M** DFS-812 Beta is a Dual transducer Two way low/high Full range speaker, which comprises of 1x12" high-power transducer low frequency driver and 1x 34mm HF compression driver, computer aided design to optimize frequency and phase response, high strength cabinet structure, Durable polyurethane textured base paint.

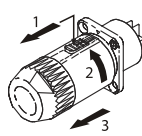
This product is specially design for singing and vocal reproduction, Under market requirement, adopt LF driver with 65mm non-press paper cone which have light weight with ultra elasticity to make bass performance to be clear & natural with no more or less, HF driver adopt 1x34mm diaphragm compression driver to obtain high output SPL low distortion and can reach perfect high frequency for making singing ealier.

## NL4 Connection

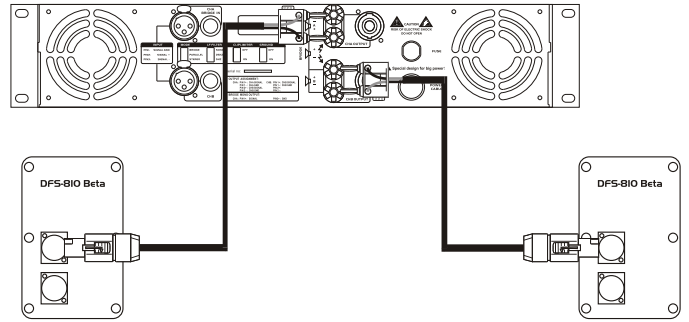
1. Connect



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 12" LF transducer
Frequency response(-3dB):	55Hz-20kHz
Frequency response(-10dB):	50Hz-20kHz
Sensitivity(1W@1m):	97dB
Max. SPL(1m):	118dB/124dB(PEAK)
Power:	400W (RMS) 800W (MUSIC) 1600W (PEAK)
Dispersion ( H×V ):	110° × 80°
Rated impedance:	4~8 Ohms
Crossover point:	1.75kHz
Construction:	15mm Birch Plywood
Installation:	7xM10 hanging point
Painting:	white powder coated structure with 1.2mm low carbon steel mesh
Connector:	1×NL4
Cabinet dimension:	350×380×585mm (W×D×H) (13.8×15.0×23.0in)
Package dimension:	470×440×685mm (W×D×H) (18.5×17.3×27.0in)
Net weight(pc):	18.0kg(39.6 lb)
Gross weight(pc):	20.6kg(45.3 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

