



Unbroken Superiority

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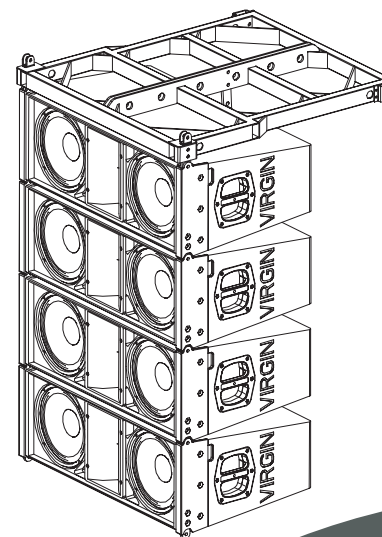
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USER'S MANUAL

DLM210/DLM215/DLM218

WATER PROOF (SPECIAL) LINE ARRAY PASSIVE SPEAKERS



Virgin UK Global Electronics Ltd constantly seeks ways to enhance our products' quality so as to keep & maintain the unbroken superiority of our virgin products which we have done for more than a decade. To achieve our mission, we reserve the right to change or alter any specification in this manual without prior notice.

Thanks for choosing virgin product

Manufactured By:
Virgin UK Global Electronics Ltd.
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1. IMPORTANT SAFETY INSTRUCTIONS

WARNING:

In order to avoid the possibility of physical injury to you or others, or damage to the device or other property, please follow the basic precautions listed below. These precautions include, but are not limited to, the following:

- Read and keep these instructions
- Heed all warning.
- Follow all instructions.
- This device is capable of delivering high sound pressure levels beyond 120dB, which may cause permanent hearing damage. Please pay more attention to select a proper volume.
- Do not remove the front metal grille which protects the loudspeaker (or the inside components) from any irreparable damage. The device contains no user-serviceable parts.
- Do not use solvents such as acetone or alcohol to clean the device, or the solvent may damage its finish.
- Do not expose the device to the atrocious environment for a long time (for example: moisture, excessive heat, strong temperature variations, etc.)
- Clean the device once in a while to avoid excessive dust; when removing the device, please pack the device with original packaging for any transport purpose
- Only use the accessories/attachments or parts recommended by the manufacturer.

CAUTION:

In order to avoid the possibility of damage to the device or other property, please follow the basic precautions listed below. These precautions include, but are not limited to, the following:

Location

The series speaker features with smart and convenient installation facility, which can be located on a stable ground surface or mounted on a stand (only for full-range speaker) or other ways. For protecting your speaker from possible damage, please note following caution:

- If you place your speaker on flat surface, please make sure the flat surface is even, completely firm.
- Before moving the speakers, remove all connected cables.
- When installing or transporting the device, always use two or more people.

Connections

- Always make sure that all devices are turned off when connecting the speaker to other devices. Also make sure that all volume and level controls are turned down to minimum before turning the power on.
- Use only speaker cable for connecting speakers to speaker jacks. Use of other types of cables may result in fire.



WEEE Mark

If you want to dispose of this product, do not mix with general household waste. There are separate collection systems for used electronic products in accordance with legislation under the WEEE Directive (Directive 2002/96/EC) and is effective only within the European Union.

1.Features

- 1)Dual 18inch & 15inch passive bass reflex;
- 2) Comprising 2pcs $\phi 100$ ferrite LF units;
- 3)Dual 10inch neodymium magnet;
- 4)DLM218/DLM215/DLM210 is made with special plywood cabinet 18mm thickness
- 5)Special Waterproof painting&scratch proof painting suitable for all weather conditions.

2. SAFETY WARNING AND CAUTIONS:

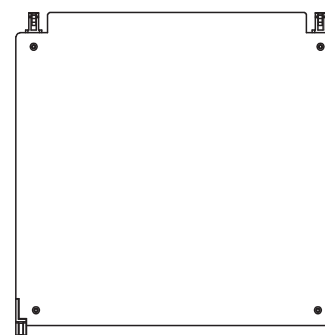
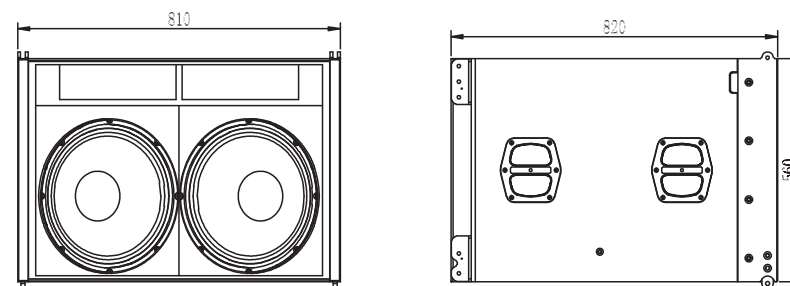
To ensure your personal and property safety, please strictly follow the precautions below, which shall include but not be limited to only the following situations.

- * Products are all properly packed for safe transport before leaving factory. The first time you opened the package, you shall check if there is any accidental damage caused during transport or by other reason.
- * This product can produce a high sound pressure level up to 90dB, which may cause permanent hearing impairment, so make sure the volume is at a proper level.
- * All subwoofer must be placed on a flat, solid and nonslip floor.
- * In case of possible damage to your audio device, you shall pay enough attention to acoustic feedback.
- * Never plug or unplug when power is on, otherwise shock signal may damage your audio device.
- * Never remove the protecting grille, otherwise internal parts may be damaged and irreparable loss can be caused.

3.Introduction

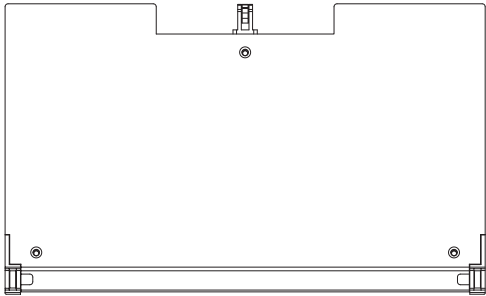
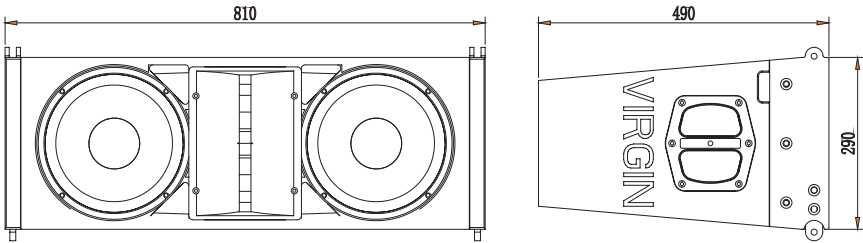
DLM218 is 2x18-inch & DLM215 is 2x15-inch inverted-phase passive speaker cabinet, it consists of two $\phi 100$ mm-coil high-performance high-power long-stroke ferrite magnetic steel low-frequency units, its high-strength cabinet structure is made of 18mm birch plywood. Its low frequency is powerful, flexible and impressive, perfectly matching linear array speakers.

MODEL	DLM215
Type	Line Array LF Speaker System
Frequency response	35Hz~500Hz (-10dB) 40Hz~400Hz (± 3 dB)
Coverage	/
LF Unit	2 \times 15" (385 mm) / 4" voice coil
Sensitivity (1W@1m)	101dB
Nominal Impedance	4 Ω
Rated Power	2000W (Continuous) , 8000W (Peak)
Max. SPL	139dB
Crossover	200Hz
Dimension(WxHxD)	810 \times 560 \times 820(mm)
Weight	68kg



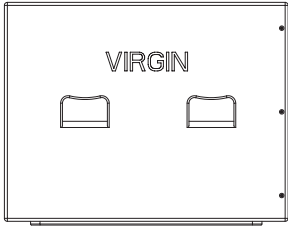
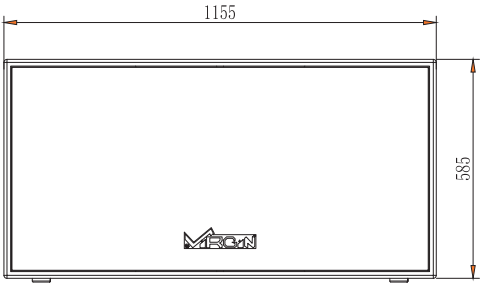
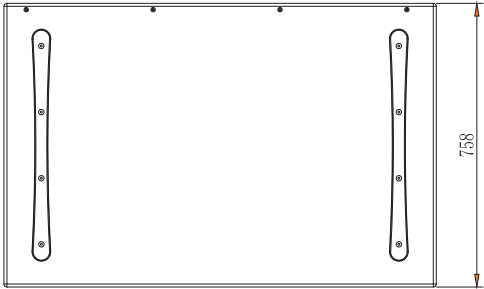
9. Specification

model	DLM210
type	2 way line array
frequency response	70Hz -20kHz
coverage	120(H)x10(V)
LF unit	2x10"/Nd magnet
HF unit	2x1.75" compression driver/Nd magnet
sensitivity(1W@1m)	HF: 110dB / LF: 102dB
rated impedance	HF: 16Ω / LF: 8Ω
power	HF:120W / LF:800W
max SPL	HF: 137dB / LF: 135dB
dimension(WxHxD)	810x290*490(mm)
weight	28kg
angle	0、1、2、3、4、5、6、7、8、9、10 degree adjustable

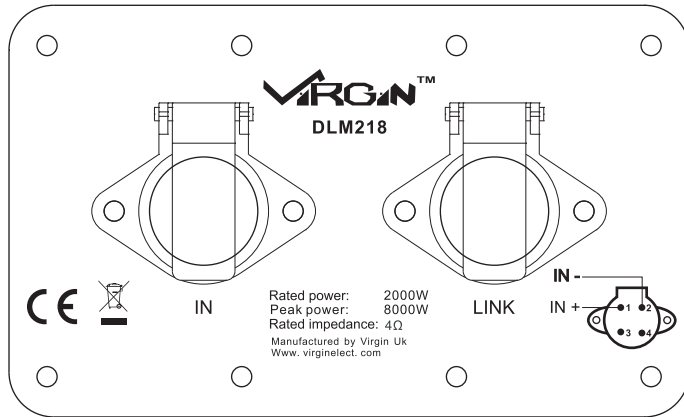


4.Key Specifications:

Model	DLM218
Type	18inch passive bass reflex
Frequency Response(-10dB)	32Hz~200Hz
Sensitivity(1W@1M)	98dB±3dB
Max SPL	138dB
Rated Power	(continue) 2000W, (peak) 8000W
Nominal Impedance	4Ω
Crossover	200Hz
Input	2 x SPEAKON
LF Unit	2 x 18" woofer/ 100mm voice coil/ 2000W/ 4Ω
Dimension(WxDxH)	1115*595*758(mm)
Net Weight	91kg
Gross Weight	100,5kg



5. Panel



1) INPUT

This professional speaker input connector normally connects the output connector of external amplifier, +1, -1 for signal input.

2) OUTPUT

This output connector connects the input connector of another speaker.

5. MAINTANENCE

PROBLEM	ANALYZE
Not enough SPL	Check if system correction is normal? If volume control is at appropriate position?
No sound	Check if system connection is normal? If powered on? If signal input is normal?
Sound distortion	Check if too large signal? If "LIMIT" LED illuminates? If so, decrease the input signal.
Abnormal tone	Check if cable connection is correct? If signal input is correct?
Discontinuous sound	HF section is protected, switch off the amplifier first, then switch on in a few minutes.

Note: If the problem is still there after checking mentioned above, please contact our distributor.

6. Introduction

DLM210 line array is the two way system which features 70Hz-20KHz frequency range, flat Frequency response and phase response, two 44mm Nd magnet compression units and two 10 inch Nd magnet LF units To offer high headroom & sound pressure/volume ratio and lower the weight. DLM210 LF part uses two 10 inch LF units with premium cones. HF part uses two 44mm Nd magnet compression units, converting dome waves into equal phase wave to reduce HF interference and improve sound clearness. With a 120 degree constant directivity horn together, it generates a wave plane.

The trapezoidal cabinet of DLM210 minimizes the gaps between cabinets, and reduces the ineffective Sound area, and minimizes the side lobe. DLM210 is designed with accurate AI suspension system. The cabinet angle can be adjusted freely in a range 0 degree to 10 degree to meet the requirement of different applications. Two handles are designed for easy transportation.

7. Application

- touring show
- various stadiums
- theatre and auditorium

8. Installation:

1. Install hoist
2. Install suspension top frame:
 - ① Install shackle on major rack, fix rigging ribbon on the shackle, then hang on the hoist, and adjust for balance.
 - ② Fix the front and rear connection blocks on the rack with pins.
3. Install DLM210 speaker: after aligning the installed rack connection block with DLM210 front and rear suspension hole, insert pin to fix into place.
4. Repeat step 3, install all the speakers.

