



Column Loudspeaker



CLA Series

USER MANUAL

Instructions of Column Loudspeaker

Please read this manual of instructions carefully prior to operation. Comply with the instructions for proper set-up and operation. Please take proper care of this manual for handy reference in the future.

NOTES:

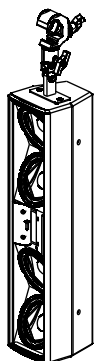
1. Never operate this product beyond its specifications, which might influence its life span as well as performance.
2. Never apply organic solvents or alcoholic cleansers to clean the appearance of this product.
3. Never remove and repair this product on your own upon any breakdown or malfunction occurs. Try to contact service personnel as soon as possible.

Installation & Operation:

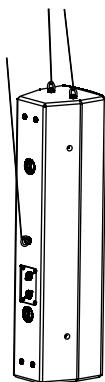
1. There are four installation methods for this product: wall mounting, hanging mounting, top lifting, and support bar mounting:



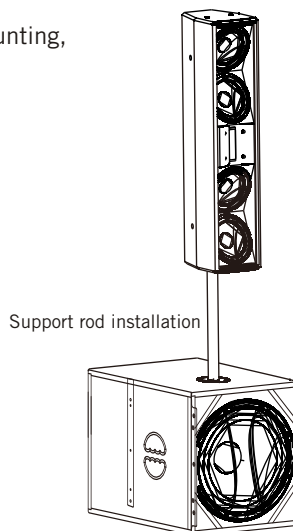
Wall mounting



Hanging installation



Top hoisting



Support rod installation

➤ **Wall mounting:** As shown in the figure above, drill several holes in the mounting hole according to the hole of the bracket (refer to the mounting bracket), the hole diameter is 8mm, the hole depth is 80~100mm, fix the bracket with the appropriate screws, then use the bracket with the speaker. The screws are attached to the bracket.

➤ **Hanging installation:** As shown in the figure above, open two holes at the pre-installation point, the hole diameter is 8mm, the hole depth is 80~100mm, fix the sling with the appropriate expansion bolts, and then replace the two fixing bolts on the top of the speaker with M8. Hanging ring, finally hang the speaker, adjust the angle to complete the installation.

➤ **Top hoisting:** As shown in the figure above, this installation method is usually used when equipped with a high-power woofer. First, insert a 35mm diameter support rod into the hole of the center of the woofer, then insert it along the round hole at the bottom of the speaker to adjust the direction to complete the installation.

Instructions of Column Loudspeaker

➤ Support rod installation: As shown in the above figure, this installation method is usually used when equipped with a high-power woofer. First, insert a straight 35mm support rod into the hole in the center of the woofer, and then insert it along the round hole at the bottom of the speaker. Adjust the direction to complete the installation.

2. Connect the audio signal transmission line to the back terminal of the speaker, connect the positive and negative poles of the speaker to the positive and negative poles of the amplifier, and strictly follow the polarity of the terminal. Before then, please ensure that the output gain of the amplifier is adjusted to the minimum and is off. In order to avoid speaker damage. Finally check that the installation is secure and reliable

Warning:

1. When several speakers connected to an power amplifier, you should use speakers with series and parallel connection, must be detailed calculations impedance of the speakers which connected to amplifier, make sure the speakers' impedance connected not less than the amplifier rated minimum impedance to avoid damaged amplifier or sound system worked not properly.

2. In order to obtain a small harmonic distortion and wide flat frequency response, should ensure that the amplifier's rated power is not less than 1.5 times the total power of the speakers.

Specifications of Speaker

Model	CLA 4040	CLA 6040	CLA 8040
Speaker Unit	4 * 4" Full frequency driver	4*6.5"LF driver,1.75"HF driver	4*8"LF driver,1.75"HF driver
Rated Power	320W	370W	650W
Continuous Power	640W	740W	1300W
Peak Power	1280W	1480W	2600W
Frequency Response	60Hz~20kHz	60Hz~20kHz	60Hz~20kHz
Sensitivity(1W/m)	101dB	103dB	105dB
MAX SPL	126dB	129dB	133dB
Impedance	8Ω	8Ω	8Ω
Directivity(H*V)	120° * 117°	120° * 117°	120° * 117°
Material	Composite plate box, metal mask		
Colour	Black(RAL 9005)		
Dimension(W*D*H)	140 * 135 * 673mm	224 * 198 * 865mm	273 * 250 *1000mm
Weight	8.5kg	11kg	20kg

柱式扬声器操作手册

在操作本产品之前，请仔细阅读此手册。严格遵守手册中正确的设置和操作说明。请妥善保管此手册以便在之后的时间查阅使用。

注意：

- 1、请不要在规范之外操作此产品，将可能影响它的寿命和性能。
- 2、请不要用有机溶剂或酒精的清洁剂来清洁产品的外观和内部。
- 3、在产品发生故障或操作失灵时，请不要随意移动或自行修复，请尽快联系专业维修人员处理。

安装与操作：

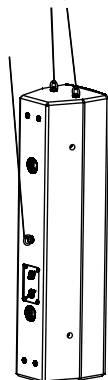
- 1、本产品有四种安装方式：壁挂安装、吊挂安装、顶部吊装以及支撑杆安装。



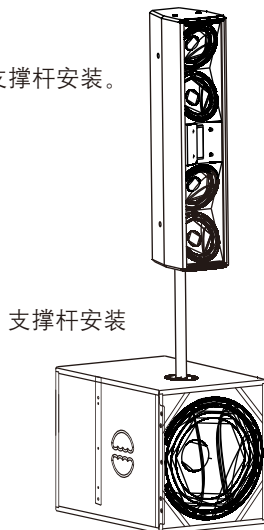
壁挂安装



顶部吊挂安装



吊环安装



支撑杆安装

➤壁挂安装：如上图所示，在安装点预先按照支架的孔位钻若干个孔(参照安装支架)，孔径8mm，孔深80~100mm，用合适的螺钉将支架固定好，之后将扬声器使用支架配备的螺钉固定在支架上。

➤吊挂安装：如上图所示，在预装点开两个孔，孔径8mm，孔深80~100mm，用合适的膨胀螺栓将吊绳固定好，然后将扬声器顶部的两个固定螺栓更换为M8的吊环，最后将扬声器吊挂好，调整角度完成安装。

➤顶部吊装：如上图所示，在预装点开若干个孔(参照吊装支架)，孔径8mm，孔深80~100mm，用合适的螺丝固定好支架(支架配备)，然后通过扬声器顶部的固定螺栓与支架固定好，调整角度完成安装。

➤支撑杆安装：如上图所示，这个安装方式通常是用在配有大功率低音喇叭时用到，首先将直35mm的支撑杆插入低音喇叭中心的圆孔，然后沿着扬声器底部圆孔插入，调整方向完成安装。

2、连接音频信号传输线到扬声器背部接线端上，将音箱的正负极对接到功放的正负极，严格按照端子的极性接线，在此之前请务必确保功放输出增益调至最小且处于关闭状态，以免扬声器损坏。最后检查安装是否牢固可靠。

柱式扬声器操作手册

警告:

- 1、多个音箱连接到一台功放使用时，需要把音箱串联或并联结合使用，必须详细计算音箱串联或并联后的阻抗，必须保证连接好音箱后的阻抗不小于功放额定的最小阻抗，以免烧坏功放或使音响系统工作异常。
- 2、为了获得小的谐波失真度和宽阔平坦的频率响应，应保证功放的额定功率不小于音箱总功率的1.5倍。

扬声器规格参数

型号	CLA 4040	CLA 6040	CLA 8040
扬声器单元	4 * 4"全频驱动器	4*6.5"低音单元,1.75"高音单元	4*8"低音单元, 1.75"高音单元
额定功率	320W	370W	650W
连续功率	640W	740W	1300W
峰值功率	1280W	1480W	2600W
频率响应	60Hz~20kHz	60Hz~20kHz	60Hz~20kHz
灵敏度(1W/m)	101dB	103dB	105dB
最大声压级	126dB	129dB	133dB
阻抗	8Ω	8Ω	8Ω
指向性(H*V)	120° * 117°	120° * 117°	120° * 117°
材料	复合板箱体, 金属面罩		
颜色	黑色(RAL 9005)		
尺寸(W*D*H)	140 * 135 * 673mm	224 * 198 * 865mm	273 * 250 * 1000mm
重量	8.5kg	11kg	20kg



Manufactured to German Standards.
Specifications are subject to change without notice.
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