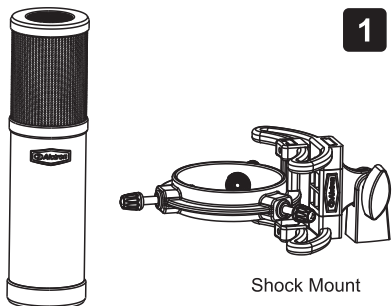
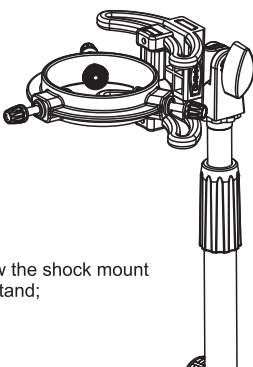
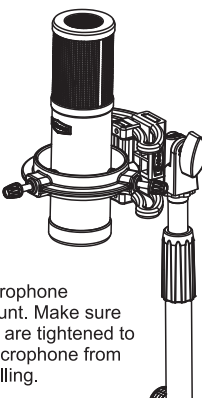
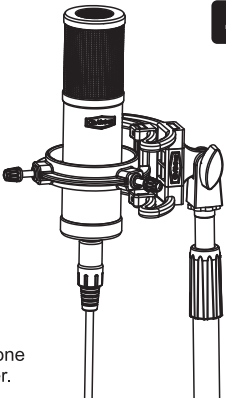


CS95 TUBE CONDENSER MIC

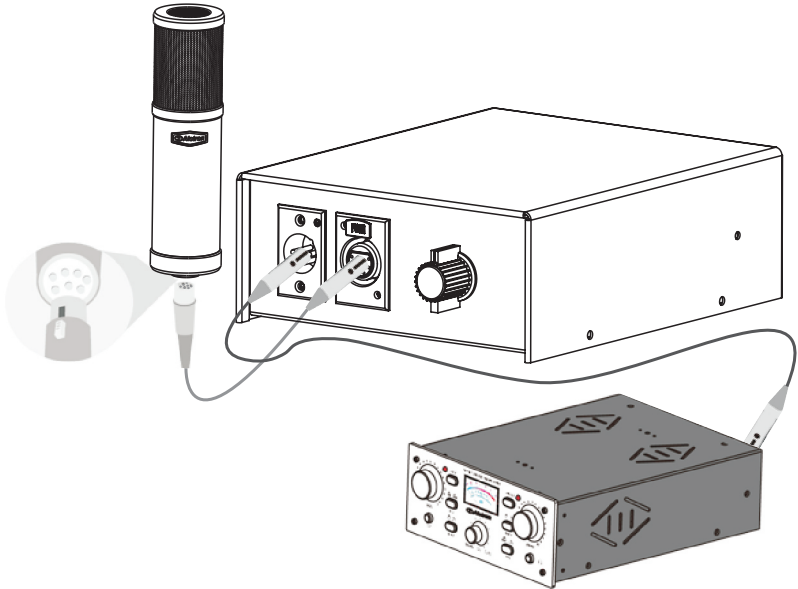
GENERAL INTRODUCTION

CS95 is a kind of high quality tube condenser microphone. Its low self noise and low distortion offer a charming sound. The return of the 34mm dual gold diaphragm capsule and built-in 12AX7B vacuum tube make the sound warmth, clarity and natural. The output transformer uses a special winding to minimize low-frequency distortion and shock mount effectively reduce handling noise. Aluminum shell and NO.304 stainless mesh which makes microphone stable and durable.

HOW TO USE MICROPHONE

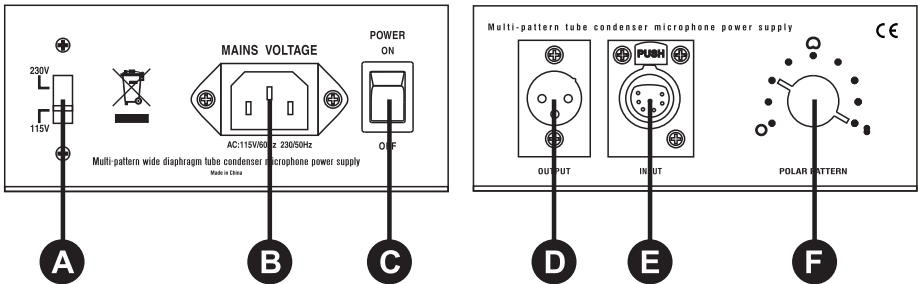
 <p>1</p> <p>Shock Mount</p> <p>Microphone</p>	 <p>2</p> <p>Screw the shock mount into stand;</p>
 <p>3</p> <p>Screw the microphone into shock mount. Make sure that the knobs are tightened to prevent the microphone from accidentally falling.</p>	 <p>4</p> <p>Use 7-pin XLR to connect microphone and special power.</p>

XLR CONNECTION



Connect to a microphone input on a microphone amplifier, mixer, console, or other device.

POWER SUPPLY



A	Voltage selecting switch	115V and 230V voltage selecting power, in China please choose 230V
B	Power jack	Using standard IEC power cable to connect power, the specification of sloe blow is 5*20mm, 0.5A/250V
C	Power	Turn on the power
D	XLR output connector	The microphone's signal output from here, using XLR to connect backward equipment, such as sound card, microphone amplifier
E	7-pin XLR connector	Using 7-pin XLR to connect microphone, this connector provides power to the microphone meanwhile receive the signal of microphone
F	Polar pattern switch	Through this switch you can choose the polar pattern, the choose range is very wide. From Omni to Cardioid to Figure 8. And you also can choose another 6 polar pattern

GENERAL RULES FOR USE

Aim the microphone toward the desired sound source (such as the talker, singer, or instrument) and away from unwanted sources.

Place the microphone as close as practical to the desired sound source.

Work close to the microphone for extra bass response.

Use only one microphone to pick up a single sound source.

Use the fewest number of microphones as practical.

Keep the distance between microphones at least three times the distance from each microphone to its source.

Place microphones as far as possible from reflective surfaces.

Add a windscreen when using the microphone outdoors.

Avoid excessive handling to minimize pickup of mechanical noise and vibration.

Do not cover any part of the microphone grille with your hand, as this will adversely affect microphone performance.

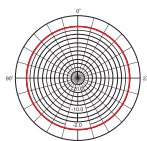
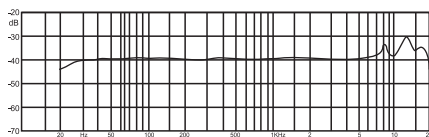
FEATURES

- * Low self noise and low distortion;
- * Sound warmth, clarity and natural;
- * Dual gold diaphragm capsule.

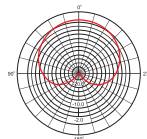
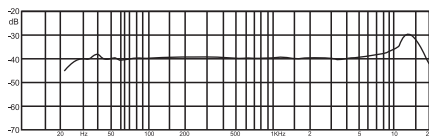
SPECIFICATIONS

- * Capsule: 34mm large gold diaphragm capsule and vacuum tube preamp
- * Polar pattern: cardioids
- * Frequency response: 20hz-20khz
- * Sensitivity: -34dB±3dB
- * Output impedance: <200Ω
- * Equivalent noise level: 120dB for 0.5% THD
- * Max XLR: 7 pin XLR
- * Power requirement: special power supply

THE FREQUENCY RESPONSE CURVES AND THE POLAR DIAGRAM



Omni at 1kHz



Cardioid at 1KHz

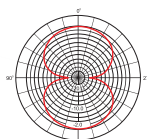
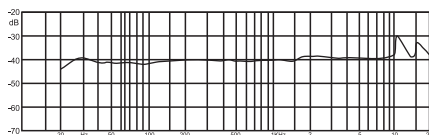


Figure-8 at 1kHz

MICROPHONE TECHNIQUES

APPLICATION	SUGGESTED MICROPHONE PLACEMENT	TONE QUALITY
Vocals	Lips less than 15 cm (6 in.) away or touching the windscreen, on axis to microphone.	Robust sound, emphasized bass, maximum isolation from other sources.
	15 to 60 cm (6 in. to 2 ft.) away from mouth, just above nose height.	Natural sound, reduced bass.
	20 to 60 cm (8 in. to 2 ft.) away from mouth, slightly off to one side.	Natural sound, reduced bass and minimal "s" sounds.
	90 cm to 1.8 m (3 to 6 ft.) Away.	Thinner, distant sound; noticeable levels of ambient noise.
Guitar & Bass Amplifiers	2.5 cm (1 in.) from speaker, on-axis with center of speaker cone.	Sharp attack; emphasized bass.
	2.5 cm (1 in.) from speaker, at edge of speaker cone.	Sharp attack; higher frequency sound.
	15 to 30 cm (6 to 12 in.) away from speaker and on-axis with speaker cone.	Medium attack; full, balanced sound.
	60 to 90 cm (2 to 3 ft.) back from speaker, on-axis with speaker cone.	Softer attack; reduced bass.

SERVICE

If your microphone needs servicing, follow these instructions:

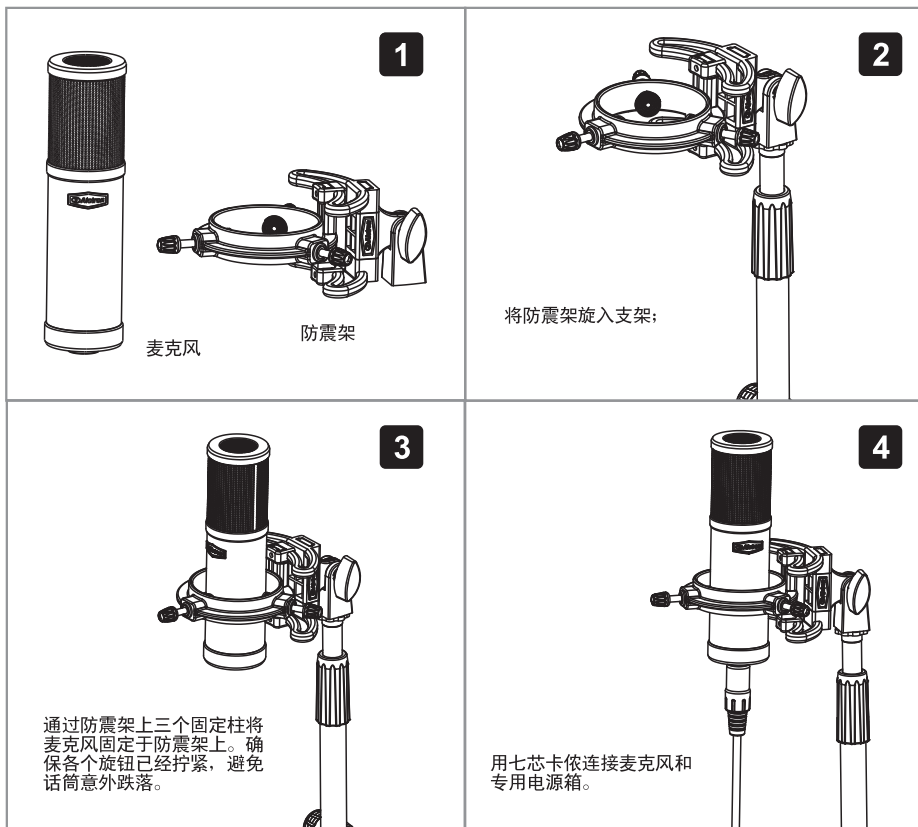
1. Ensure the problem is not related to operation error or external system devices.
2. Keep this owner's manual. We don't need it to repair the unit.
3. Pack the unit in its original packaging including end card and box. This is very important. If you have lost the packaging, please make sure you have packed the unit properly. ALCTRON is not responsible for any damage that occurs due to non-factory packing.
4. Ship to the ALCTRON tech support center or the local return authorization.

CS95电子管电容麦克风

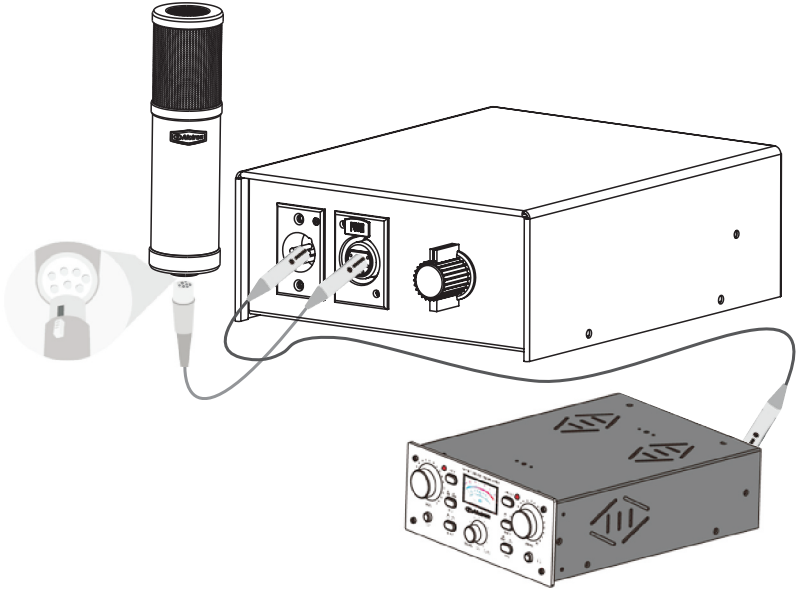
产品介绍

CS95是一款高品质电子管电容麦克风，低底噪和低失真度，还您优美的音质。采用34mm双面镀金大振膜和内置12AX7B真空电子管使得CS95声音温和饱满，清晰自然。输出变压器使用特殊绕组来降低低频噪音，配备的防震架能有效减少机械震动噪音。更有铝合金的壳身和NO.304不锈钢网头，使得麦克风持久耐用。

安装说明

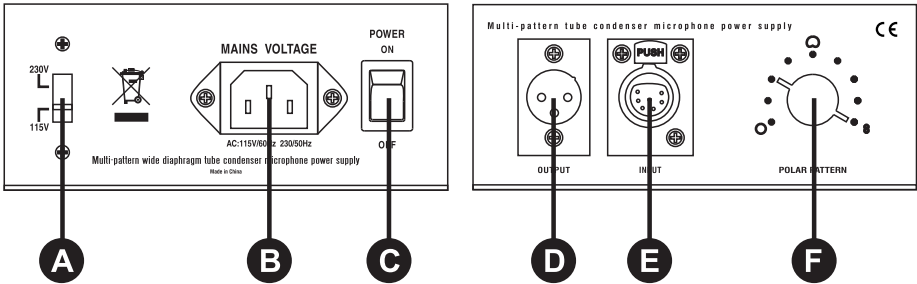


XLR连接



连接到话筒放大器、混音器、调音台或其它设备上的话筒输入。

电源箱



A	电压选择开关	115V和230V电压选择开关，中国请选择230V电压。
B	电源插座	使用标准的IEC电源线连接电源，内置缓动式熔断器的规格为5*20mm，0.5A/250V。
C	电源开关	开启电源能拨到ON位置。
D	XLR输出接口	话筒信号从这里输出，可以用卡侬线连接后级设备，如声卡、放话等。
E	7针XLR接口	用7针卡侬连接话筒，这个接口给话筒供电的同时也接收了话筒的信号。
F	指向性开关	通过这个旋钮，可以选择话筒的指向性，选择范围十分广泛，从全指向到心型指向再到8字型指向，其中还有6种过度指向可选。

一般使用规则

将话筒对准所录制的声源（例如谈话者、唱歌者或乐器），远离其他声源。
尽可能靠近所录制声源摆放。
如果想获得更多的低频响应，可将话筒进一步靠近音源。
只使用一个话筒来拾取单个声源。
尽可能减少使用话筒的数量。
保持话筒之间的距离，使其至少三倍于每个话筒与其声源之间的距离。
将话筒放置在在尽可能远离反射表面的地方。
在户外使用话筒时，加一个防风罩。
避免过多触摸，以便将机械噪声的拾取和震动降低到最低水平。
切勿用手遮盖住话筒滤网的任何部位，因为这会影响话筒的性能。
应让话筒保持干燥，并避免暴露在极高温度和湿度下。
严禁向话筒音头部位吹气，请勿拍打话筒。

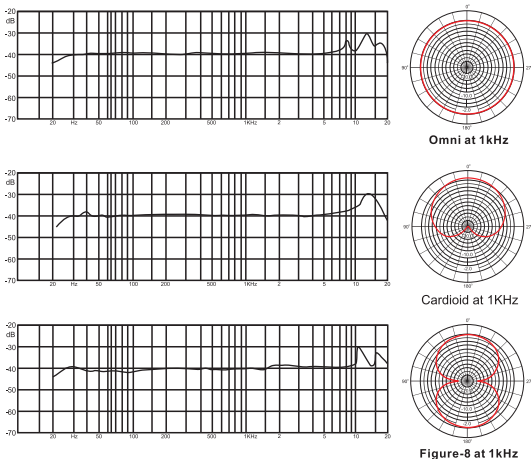
特征

- * 低底噪和低失真度；
- * 声音温和饱满，清晰自然；
- * 双面镀金大振膜。

参数

- * 音头：34mm双面镀24K金大振膜电子管话筒
- * 指向性：心型，圆型，8字形
- * 频响：20hz-20khz
- * 灵敏度：-34dB±3dB
- * 输出阻抗：<200Ω
- * 等效噪声级：20dB
- * 最大声压级：120dB有0.5%失真度
- * 连接器：7芯卡侬
- * 电源要求：专用电源箱

频响曲线以及极性图



注意：技术规格可能有所变化。

近讲效应

运用	建议话筒放置位置	音质
人声	嘴与防风罩的距离少于15 厘米 (6 英寸) , 或轻触防尘罩, 在话筒轴线上。	饱满、加重低音、最大程度隔离其它声源。
	与嘴的距离为 15 至 60 厘米 (6 英寸至 2 英尺) , 刚好在鼻子平面上面。	自然, 减弱低音。
	与嘴的距离为 20 至 60 厘米 (8 英寸至 2 英尺) , 稍微偏向一侧。	自然、减弱低音和 "s" 声。
	距离 90 厘米至 1.8 米 (3 至 6 英尺)	薄的远距离声音; 可听见不同程度的环境声。
运用	建议话筒放置位置	音质
电吉他 电贝司音箱	与扬声器的距离为 2.5 厘米 (1 英寸) , 在话筒轴线上扬声器锥盆范围内。	音头锐利; 低频突出。
	与扬声器的距离为 2.5 厘米 (1 英寸) , 在扬声器锥盆边缘。	音头锐利; 低频突出。
	离扬声器 15 至 30 厘米 (6 至 12 英寸) , 在话筒轴线上扬声器锥盆范围内。	音头平和; 完整的平衡声。
	与扬声器的距离为 60 至 90 厘米 (2 至 3 英尺) , 在话筒轴线上扬声器锥盆范围内。	音头柔软; 低频减弱。

保修

如果您的话筒需要维修, 请按照以下说明操作。

1. 请确保不是因为操作不当或外部设备所造成。
2. 请保存好我们的说明书, 返修的时候不必把说明书寄回给我们。
3. 返修的时候请用产品原来的包装箱来包装, 这是非常重要的。如果你已丢失原包装, 请确保您正确包装和保护好本耳机。ALCTRON是不负责由于非原厂包装造成任何损害。
4. 运送到ALCTRON技术支持中心或当地的授权经销商。

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