

 **Alctron** 爱克创



CK6电容录音麦克风

CK6 CONDENSER RECORDING MICROPHONE

用户手册

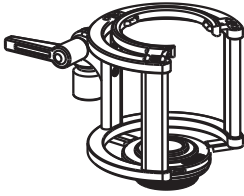
Owner's Manual

GENERAL DESCRIPTION

Ck6 is a kind of high-performance condenser microphone with 34mm large gold diaphragm capsule. Its cardioid poplar pattern delivers a warm, smooth and articulates sound along with a full frequency range. It applies to professional vocal recording, instrument pick-up, TV studio, radio broadcasting, sound amplification and live recording. The unique shock mount reduce the thrill during recording. It is a microphone with fully functional.

HOW TO USE MICROPHONE

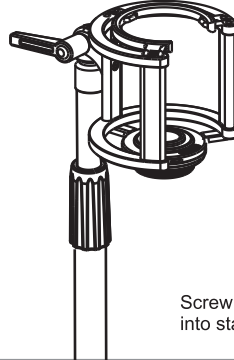
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Shock Mount

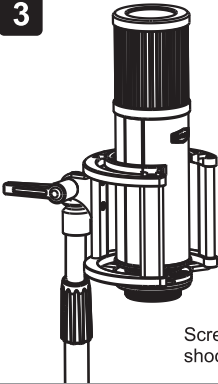
Microphone

2



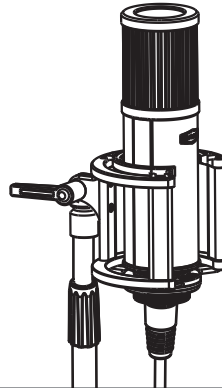
Screw the shock mount into stand.

3



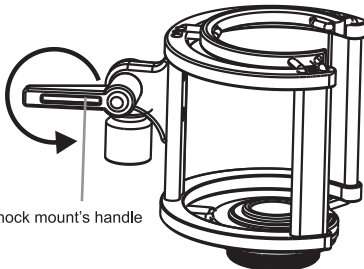
Screw the microphone into shock mount.

4



Use 3-pin XLR to connect microphone and 48V phantom power.

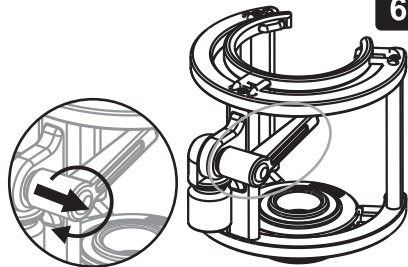
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shock mount's handle

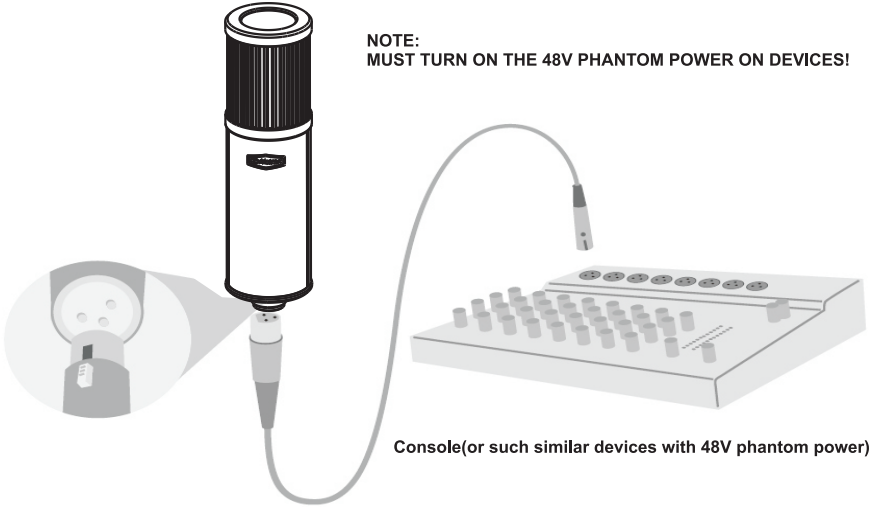
Anti-clock the shock mount's handle to change the angle of microphone.

6



When the shock mount's handle is in the position as showing (top to shock mount), at that time if you also want to change the angle of microphone, you need to Pull out the shock mount's handle to change the position of handle, then press the handle to lock it.

XLR CONNECTION



**NOTE:
MUST TURN ON THE 48V PHANTOM POWER ON DEVICES!**

Console(or such similar devices with 48V phantom power)

PROXIMITY EFFECT

Unidirectional microphones such as the CK6 progressively boost bass frequencies by 6 to 10 dB below 100 Hz when the microphone is at a distance of about 6 mm (1/4 in.) from the sound source.

This phenomenon, known as proximity effect, can be used to create a warmer, more powerful sound.

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.

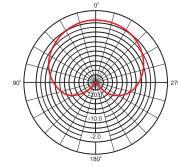
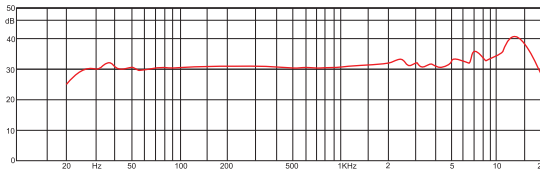
GENERAL RULES FOR USE

- 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.

TECHNICAL SPECIFICATIONS

* Type:	FET condenser microphone
* Polar pattern:	cardioid
* Capsule:	34mm gold-plated large diaphragm
* Frequency range:	20Hz-20kHz
* Sensitivity:	-42dB
* Impedance:	200 Ω
* Equivalent noise level:	22dB
* Max SPL:	144dB
* Connector:	3-pin XLR
* Power requirement:	48V phantom power supply
* Mic dimensions:	55.5mm * 202mm
* Net weight:	1kg

THE FREQUENCY RESPONSE CURVES AND THE POLAR DIAGRAM



Cardioid at 1KHz

- * Cardioid—When this pattern is selected, the microphone picks up sounds directly in front of the microphone and is least sensitivity to those in back. This is the most commonly used pattern in studio recording and live-sound applications.

⚠ CAUTION

- * Do not store the microphone under direct sunlight, near heating devices or in a hot, humid or dusty place. Do not allow the microphone to get wet;
- * Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat;
- * Do not subject the microphone to strong impact;
- * Do not disassemble, modify or attempt to repair the microphone;
- * Clean only with dry cloth;
- * When this product is used for a long time, the microphone may become discolored due to ultraviolet light (especially direct sunlight) or wear.

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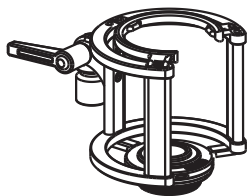
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产品介绍

CK6是一款高性能带有34mm大振膜镀金电容麦克风。心型指向性确保录音时频率饱满丰富，无时无刻都传递着温暖细腻的音质。CK6适合于专业的人声录音及各种乐器拾音，电视演播室、广播电台、扩音以及现场录音等场合。此款话筒设计的防震架，能有效防止话筒脱落和减少录音过程中产生的颤音，是一款功能完备的话筒。

如何使用麦克风

1



防震架



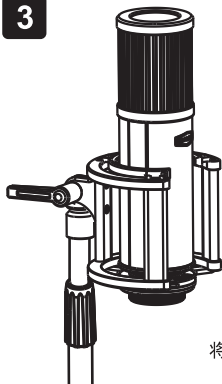
麦克风

2



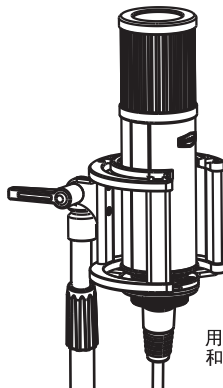
将防震架旋入支架。

3



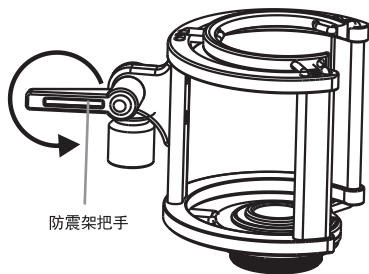
将麦克风旋入防震架上。

4



用三芯卡侬连接麦克风和48V幻相电源。

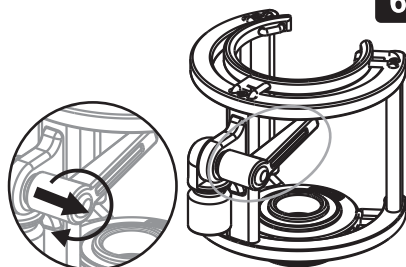
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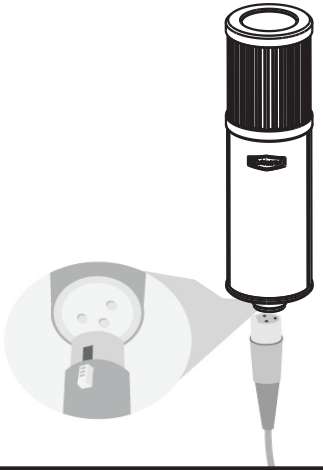
防震架把手

逆时针旋转防震架把手，能够改变话筒角度。

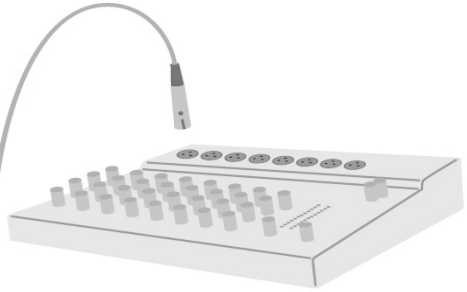
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当防震架把手位于如图位置时（顶到防震架顶部），此时如果您想拧松把手改变话筒角度，您可以将防震架把手轻轻拔出，改变防震架把手位置，随即按压把手锁紧。



注意：必须打开设备上的48V开关！



调音台(或者类似带有48V幻象电源的设备)

近讲效应

当话筒与声源之间的距离在6毫米(1/4英寸)左右时,像CK6这样的指向性的话筒会将100Hz以下的低频提升6-10dB,这个现象被称之为“近讲效应”,在录音时,常会被用来创造一种更加温暖,更加厚重的音色效果。

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。
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。

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。

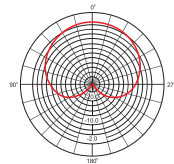
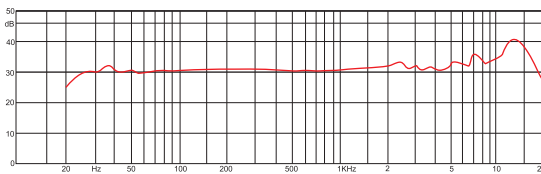
避免过多触摸，以便将机械噪声的拾取和震动降低到最低水平。

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。

产品参数

- * 类型: FET电容麦克风
- * 指向性: 心型
- * 音头: 34mm镀金大振膜音头
- * 频率范围: 20Hz-20kHz
- * 灵敏度: -42dB
- * 阻抗: 200Ω
- * 等效噪音级: 22dB
- * 最大声压级: 144dB
- * 连接器: 3针卡侬接口
- * 电源要求: 48V幻象电源
- * 麦克风尺寸: 55.5mm * 202mm
- * 净重: 1kg

频响曲线图



Cardioid at 1KHz

* 心型—当您选择这个模式时，麦克风拾音的方向是在前面，后面几乎收不到声音。这种模式经常用在工作室录音和现场录音。

⚠ 安全事项

- * 请勿将麦克风存放在阳光直射下、暖气设备附近或湿热或多尘的地方；
- * 请勿将本产品安装在热源附近，如暖气片、炉子或者其它产生热量的设备（包括功放器）；
- * 请勿使麦克风受到强烈撞击；
- * 请勿拆卸或改造麦克风；
- * 请用干布清洁本产品；
- * 长时间使用本产品时，麦克风部分可能会因紫外线（特别是阳光直射）或磨损而变色。

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