

Alctron 爱克创



T02A铅笔型晶体管电容话筒
T02A durable FET condenser microphone

用户手册

Owner's Manual

目录

中文

一、注意事项.....	2
二、产品概述.....	2
三、安装.....	3
四、可以替换音头—心型和圆型.....	3
五、衰减和低频滚降开关.....	4
六、连接.....	4
七、特征.....	4
八、一般使用规则.....	5
九、规格.....	5
十、频响曲线以及极性图.....	5
十一、保修.....	6

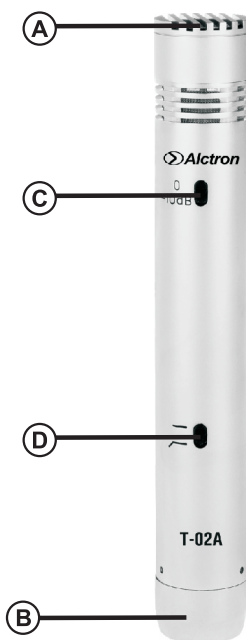
English

1. PRECAUTIONS.....	7
2. GENERAL DESCRIPTION.....	7
3. INSTALLMENT STEPS.....	8
4. Can replace the capsule-Cardioid and Omni.....	8
5. PAD SWITCH & LOW FREQUENCY ROLLOFF.....	9
6. XLR CONNECTION.....	9
7. FEATURE.....	10
8. GENERAL RULES FOR USE.....	10
9. SPECIFICATIONS.....	10
10. THE FREQUENCY RESPONSE CURVES AND THE POLAR DIAGRAM.....	11
11. SERVICE.....	11

一、注意事项

- * 不要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。不要弄湿麦克风；
- * 长时间使用本产品时，麦克风部分可能会因为紫外线（特别是阳光直射）或磨损而变色；
- * 请勿使麦克风受到强烈撞击；
- * 请勿拆卸或改造麦克风；
- * 当您在比较潮湿的环境中使用了T02A，比如舞台，请用干布拭擦并且在空气中晾干。千万不要将麦克风储藏在密封空间（比如塑料袋中），直至水分完全蒸发。

二、产品概述

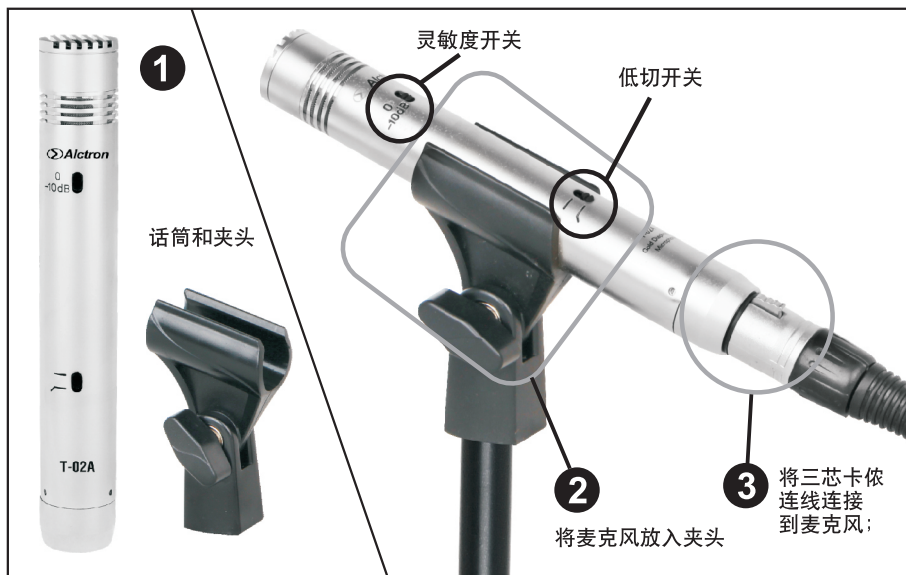


A	话筒音头	22MM镀金大振膜.
B	XLR接口	话筒电平输出

C	衰减开关	用来防止拾取极高声源时出现削波。
D	低频滚降	120 Hz 以下每倍频程衰减 12 dB。

T02A是一款小巧耐用的铅笔型晶体管电容话筒。他采用了22mm镀金音头和无变压器设计，具有频响宽，灵敏度高，瞬态反映能力好等特点，特别适合于乐器拾音。如管弦乐器，打击乐器，吉他，贝司，钢琴等，还可以配对使用。音头部分是可以更换的。另外，T02A话筒外壳上的两个开关（灵敏度衰减和低切开关），可以自由调节适应各种不同的录音环境需求。

三、安装



四、可以替换音头

* T02A音头是可以替换的，而且替换步骤简单。

* 在换音头之前，请确保已经拔下所有的电源。



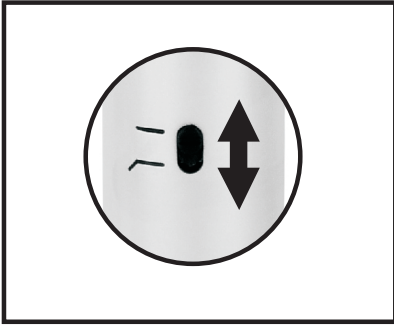
* 当音头和麦克风分离时，请妥善保管音头和壳身，避免将音头和壳身放在潮湿和多尘的地方。



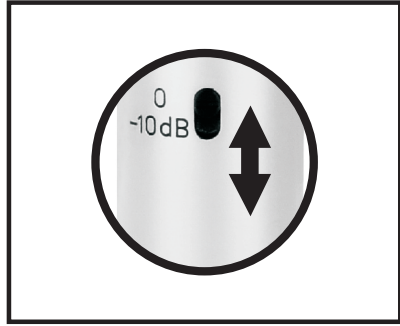
* 将要替换的音头旋入麦克风(本产品只配有一个心型音头，如需替换圆型音头，请另行购买)。



五、衰减和低频滚降开关



衰减开关帮助防止极高声源的失真。
例如：近场拾取号声或鼓声。

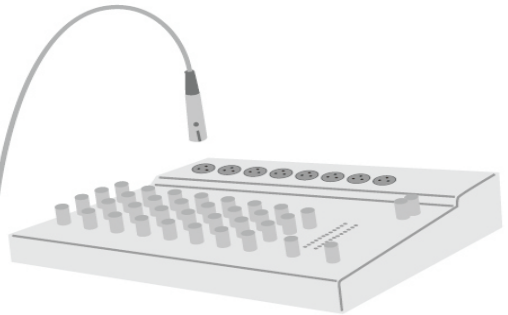


低频滚降可用来处理人声或中音至高音范围的乐器。
它可减少暖气或空调系统发出的低频室内噪声和地板震动引起的噪声。
此外，还可用来补偿近讲效应，或减少使乐器声变得低沉或浑浊的低频。

六、连接



连接到混音器、调音台，话筒放大器或其它设备上的话筒输入。
注意：必须开启幻象供电。



七、特征

- * 频响宽，灵敏度高，瞬态反映能力好；
- * 22mm镀金音头；
- * 可换音头结构设计；
- * 精工3芯卡侬接口。

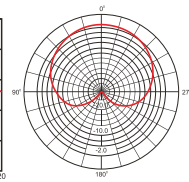
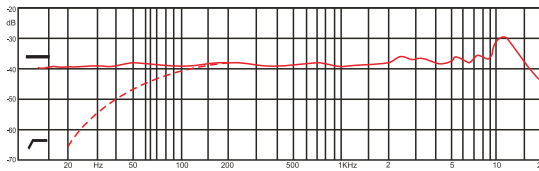
八、一般使用规则

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。

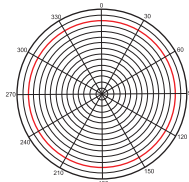
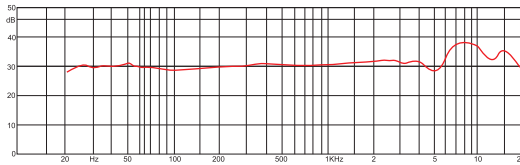
九、规格参数

* 类型:	高性能铅笔型晶体管电容话筒
* 音头:	22mm镀24K纯金小振膜音头
* 指向性:	心型
* 频率响应:	20Hz-20kHz
* 灵敏度:	39dB
* 等效噪音:	≤ 22dB
* 输出阻抗:	<200ohm
* 最大声压级:	134dB有0.5%失真
* 连接器:	3芯卡侬连线
* 电源:	48V幻象电源
* 话筒正面配备两个拨动开关:	灵敏度衰减和低切开关

十、频响曲线以及极性图



Cardioid at 1KHz



Omnidirectional at 1KHz

注意：技术规格可能有所变化。

* 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。

* 圆型—这种模式能全方位拾音。这种模式最适合在房间里拾音，比如录合奏或者同时录几个歌手的声音。圆型指向性是没有邻近效应的。

十一、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. 返修的时候请用原来的包装箱寄回，这可以有效减少产品在快递过程中的损坏。如果您已丢失原包装，请确保您包装结实并有效保护好产品。爱克创不负责由于运输过程中造成的产品损坏。
4. 运送到爱克创技术支持中心或当地的授权经销商。

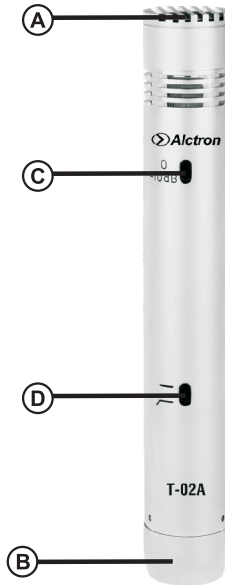
奥创电子有限公司始终尽力确保和提高产品的质量水平。必要的修改将不预先通知予以实行。因此产品的技术数据和外观可能与所述说明或插图有不同之处，敬请谅解。

宁波市鄞州奥创电子有限公司 地址：浙江省宁波市鄞州区秀丰工业区三成路76号 电话：++86 574 88009874
传真：0574-87157176 邮箱：sales@alctron-audio.com 网址：<http://www.alctron-audio.com>
全国统一服务热线：4000-160-112

1. PRECAUTIONS

- * 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;
- * When this product is used for a long time, the microphone may become discolored due to ultraviolet light (especially direct sunlight) or wear;
- * Do not subject the microphone to strong impact;
- * Do not disassemble, modify or attempt to repair the microphone;
- * After use in a high-moisture such as a stage performance, wipe off the microphone with a dry cloth and permit it to air dry. Do not store the unit in a closed space (e.g., a plastic bag) until all moisture has evaporated.

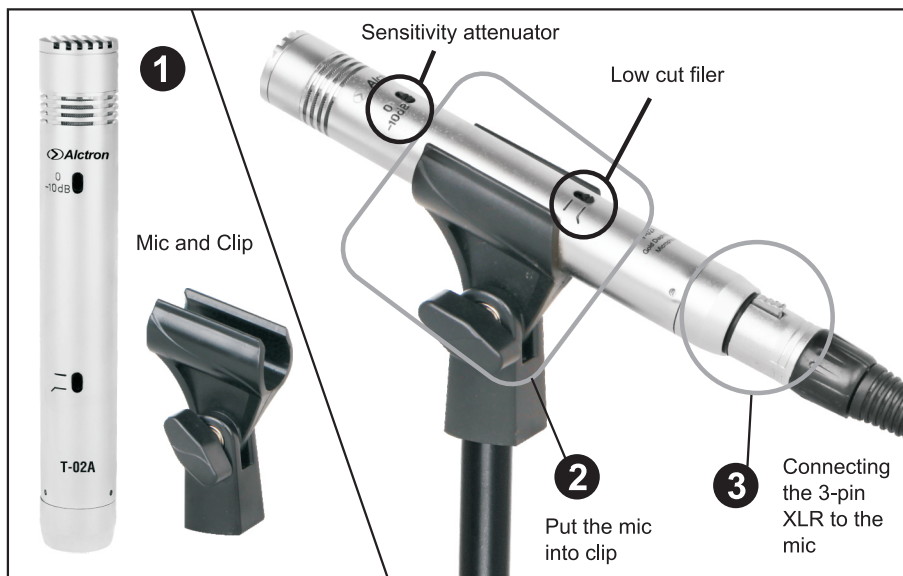
2. GENERAL DESCRIPTION



A	Microphone Capsule	22 mm large gold-sputtered diaphragm
B	XLR Connector	Microphone-level output
C	Pad Switch	Use to prevent clipping from extremely loud sound sources.
D	Low-frequency roll-off	12 dB-per-octave below 120 Hz.

T02A is a compact and durable FET condenser microphone. It applies 22mm gold-plated capsule and transformer less design, so it has a wide frequency response, high sensitivity and excellent transient characteristics of the ability to reflect, especially suitable for instrument pick up. Such as orchestra, percussion, guitar, bass, piano, etc, also it can be used for matching. The capsule can be detached. Besides, T02A has two switches (sensitivity attenuator and low cut filter switches), which will be available for your using in different studio situations.

3. INSTALLMENT STEPS



4. Can replace the capsule.



- * The T02A capsules are designed to user-friendly, making the interchanging of capsules a simple procedure.
- * Before unscrew the capsule from microphone, please ensure that the microphone is disconnected from all power.

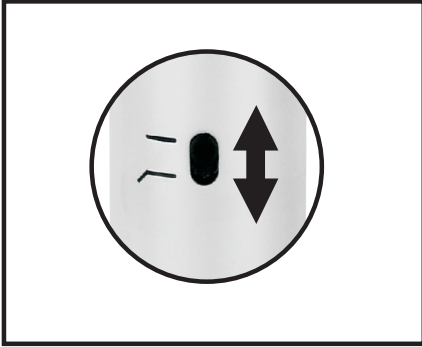
* Take extra care with the body and capsule when they are apart and avoid exposure to any moisture and dust.



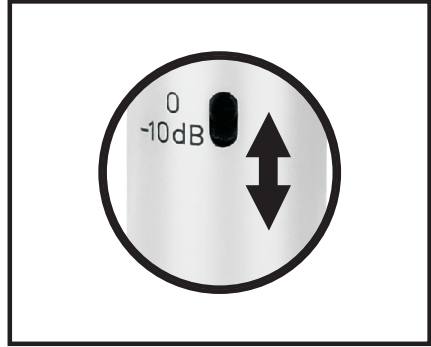
* Replace the desired capsule onto the body by screwing in into proper position (This product comes with only a Cardioid capsule, if you want to change another capsule (Omni capsule) please buy it separately).



5. PAD SWITCH & LOW FREQUENCY ROLLOFF

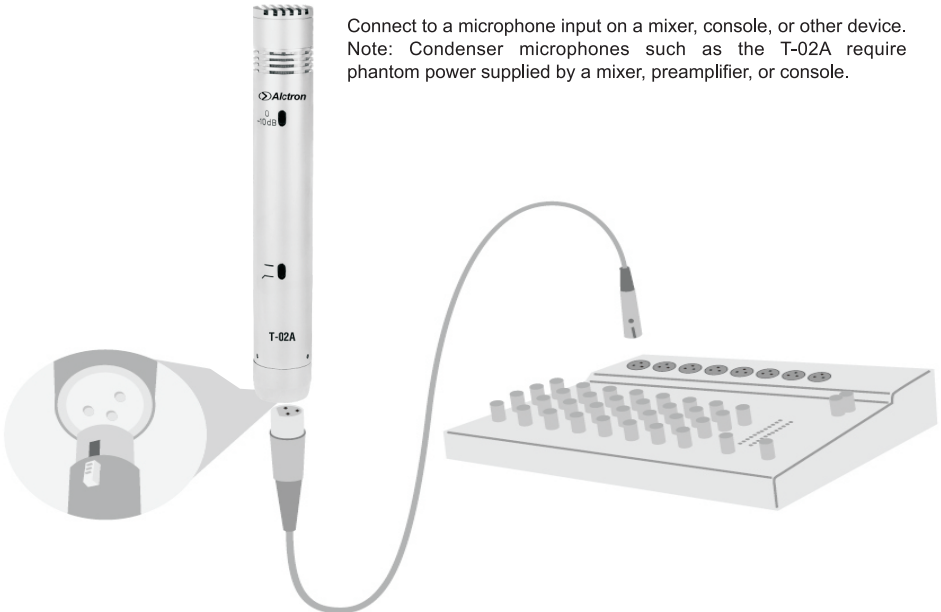


The pad switch helps prevent distortion from extremely loud sources, such as when close-miking horns or drums.



The low frequency roll off may be used for voice or medium- to high-range instruments. It reduces floor rumble and low-frequency room noise from heating and air conditioning systems. Also used to compensate for proximity effect or to reduce low frequencies that make an instrument sound dull or muddy.

6. XLR CONNECTION



Connect to a microphone input on a mixer, console, or other device. Note: Condenser microphones such as the T-02A require phantom power supplied by a mixer, preamplifier, or console.

7. FEATURE

- * Wide frequency response, high sensitivity and excellent transient characteristics of the ability to reflect;
- * 22mm gold-plated capsule;
- * Capsule can be detached;
- * 3-pin XLR.

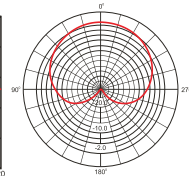
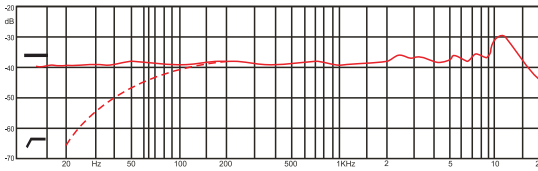
8. GENERAL RULES FOR USE

- * 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.

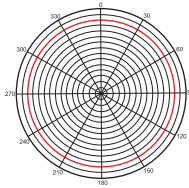
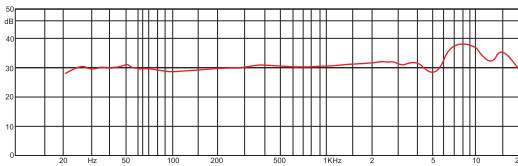
9. SPECIFICATIONS

- * Type: high performance pencil condenser FET microphone
- * Capsule: 22mm large gold diaphragm capsule
- * Polar pattern: Cardioid
- * Frequency range: 20Hz-20kHz
- * Sensitivity: 39dB
- * Equivalent noise level: ≤ 22 dB
- * Output impedance: < 200 ohm
- * Connector: 3-pin XLR
- * Power requirement: 48V phantom power supply
- * Switches: Low cut and sensitivity attenuator

10. THE FREQUENCY RESPONSE CURVES AND THE POLAR DIAGRAM



Cardioid at 1KHz



Omni at 1kHz

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

* **Omni**—Picks up sounds from all directions. This pattern is best for picking up room ambience and for miking several sources, such as an ensemble or multiple singers, simultaneously. The Omni polar pattern exhibits no proximity effect.

11. SERVICE

If your Mic 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.

ALCTRON is constantly striving to maintain the highest professional standards. As a result of these efforts, modifications may be made from time to time to existing products without prior notice. Specifications and appearance may differ from those listed or illustrated.