



AT882TL/DS3RC5 Dual-element Line-cardioid Condenser Microphone (with Remote Switching and LED)

AT SERIES

Specifications

Element	Dual back electret condenser
Polar pattern	Line-cardioid (Unidirectional)
Frequency response	20-20,000 Hz
Open circuit sensitivity	-31 dB (28.2 mV) re 1V at 1 Pa
Impedance	100 ohms
Maximum input sound level	126 dB SPL, 1 kHz at 1% T.H.D.
Signal-to-noise ratio	>69 dB, 1 kHz at 1 Pa
Phantom power requirements	11-52V DC, 2 mA typical
Switch	Push button control: Right Channel on/mute
Remote switch contact closure	Closed circuit in switch pressed / Left Channel Opened circuit when not pressed
Remote LED input	Red light up when high (+5V DC), Unlit when low (0V DC), Maximum input voltage
Weight	1.22 kg
Dimensions	214 mm - long, 227 mm - Max. height, 102 mm - Width
Cable	2 x 1.0 m long (permanently attached to microphone),
Output connector	3-pin XLRM-type (Right channel - muteable) Unterminated 5-wires (Left channel direct output)

Features

- Designed for high-quality sound reinforcement, conferencing, professional recording and other demanding sound pickup applications.
- Dual-element Line-cardioid condenser microphone with two independent power modules.
- A rubber switch with LED allows users to easily mute/un-mute the Right channel signal of microphone.
- A remote logic output permits control of remote devices from the rubber switch together.
- Integral, phantom-powered, Red LED indicator.
- Integral windscreens ensure ultimate security against wind noise and plosives.
- Sturdy metal housing design with ball-in-socket base permits flexible positioning.
- Heavy die-cast case and rubber bottom pads minimize coupling of surface vibration to the microphones.

Description

The AT882TL/DS3RC5 requires a phantom power supply of 11–52V DC for the element. Output is low-impedance balanced. The Right channel signal appears across the XLR connector Pins 2 and 3, while the ground (shield) connection is Pin 1. The Left channel signal appear across the red and yellow wires; audio ground is the shield connection. Output is phased so that positive acoustic pressure produces positive voltage on the yellow wire. The small-diameter black and blue wires are the contact closure. The white wire is the LED control.

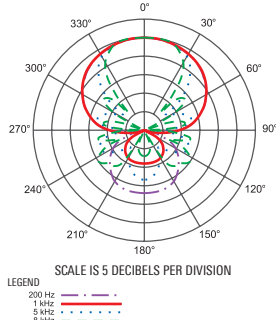
Each of the element in the microphone is shock mounted. The Line-cardioid polar pattern of the element provides a 90° angle of acceptance. The AT882TL/DS3RC5 is designed with integral wind-screens to ensure maximum security against wind noise and plosives.

The microphone features a rubber switch that toggles between on/mute in Right channel and a LED indicator that displays On status. The switch is also programmable external contact closure and another side LED indicator. The microphone's external contact closures capability permits control of remote devices. The contact closure is configured for applications that require a constant signal from the element in Left channel. The LED can be controlled from an external source. ****To avoid the switch link error, the connection of microphone needs to connect the phantom power supply of the XLRM Right channel connector, and then connect the Left channel external control.***

The AT882TL/DS3RC5 is enclosed in a sturdy metal housing with a low-reflectance black finish. Its base is a desk stand that connected with two 1 meter cables permanently attached to microphone. The Red bushing cable is used for Right side element and Black bushing cable for Left side element. The blue and black wires of each cable used for contact closure is Closed when pressed or Opened when not pressed. The white wire of each cable used for indicator lights red when logic high (+5V DC) and white when logic low (0V DC).

Avoid leaving the microphone in the open sun or in areas where temperatures exceed 43°C for extended periods. Extremely high humidity should also be avoided.

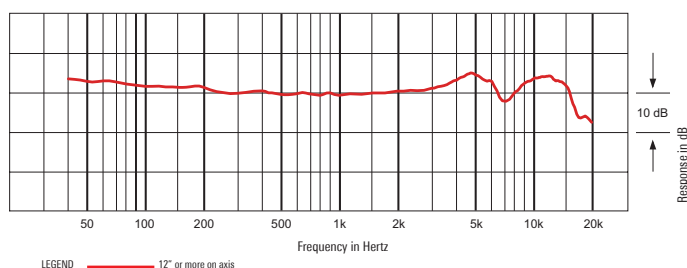
polar pattern



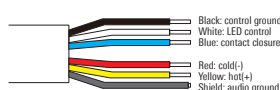
Optional Accessories:

ATUC-50IU Integration unit for the ATUC-50 conference system

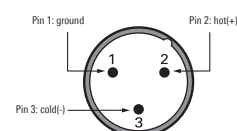
frequency response



Left channel output:



Right channel output:



audio-technica



AT882TL/DS3RC5 双音头超指向性电容话筒(带远程开关及LED显示灯)

AT SERIES

技术指标

收音头	双元件背板静电型电容式
指向特性	超指向性
频率响应	20-20,000 Hz
开通灵敏度	-31 dB (28.2 mV) 以 1V 于 1 Pa
输出阻抗	100 欧姆
最大承受声压	126 dB 声压, 1 kHz 于 1% T.H.D.
信噪比	>69 dB, 1kHz 于 1 Pa
幻象供电	直流 11-52V, 耗电 2 mA 典型
开关	按钮式控制: 右通道(R)开启/静音
远程开关接点控制	按下时保持双通道导通; 无按下时为双通道断路
远程LED输入	高电位 (直流+5V)亮红灯 / 低电位 (直流0V)关灯;
最大输入电压	-0.5V 至 5V
重量	1.22 公斤
外形尺寸	214 mm - 长, 227 mm - 伸至最高点, 102 mm - 宽
连接线	2路1米长 (固定连接式电缆)
输出连接	右通道(R)经开关: 3针卡农公头 左通道(L)直接输出: 无终端连接

特性

- 设计于公共广播、会议、专业录音、电视广播及其他特别要求的收音应用。
- 双音头单元的超指向性收音设计, 并个别提供供电放大器电路。
- 带LED灯的无噪式开关, 可将右方话筒设定为静音或正常收音。
- 开关同时作为远程设备的逻辑控制。
- 整合 LED 状态显示灯, 以幻象供电操作, 提供红灯显示。
- 整合了双网层防风罩, 可减低环境噪声及风声。
- 话筒以活动滑珠固定在底座上, 可将收音头作上下左右进行旋转, 以达到最佳收音效果。
- 压铸成型的底座和橡胶底垫, 能减低碰撞平面时产生的敲击声及震动声。

说明

AT882TL/DS3RC5的供电模组使用11V至52V的幻象供电工作, 每通道音频为独立的低阻抗平衡输出。右通道信号以卡农公头的2号及3号针脚输出, 而1号针脚则为地线(屏蔽)连接。左通道信号以红色和黄色的空接线输出, 而机身屏蔽线则为地线(音频)连接; 输出相位将以正相位电平设于黄色的空接线上; 黑色和蓝色空接线为外接开关控制, 而白色空接线为LED显示灯外接控制。

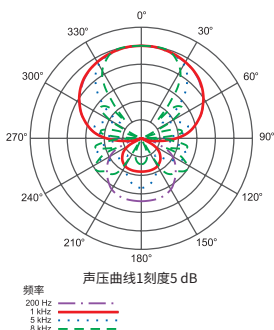
话筒内配置有两路超指向的收音头, 各可以提供90°收音角度, 为减低环境噪声及风声, AT882TL/DS3RC5设有双网层防风罩作保护。

话筒设有无噪开关, 作为右通道收音的静音设置开关, 同时该开关亦可经外部触点开关控制远程设备。无噪开关可独立连接外置器材, 经左通道话筒输出的开关控制线作遥距控制。LED显示灯亦可作为显示这些外置器材的实际收音状态。*为避免出现开关链接误差, 连接话筒时, 请先连接右通道卡农公头的幻象供电, 再连接左通道外接控制。

话筒外壳为全金属结构, 话筒底部以活动滑珠固定在底座上, 可灵活调校收音位置, 并配有减低环境噪声及风声的防风罩。底座接有两路1米长固定式话筒线, 红色衬套为右边收音单元; 黑色衬套为左边收音单元。各话筒线的黑色和蓝色芯线为外接开关控制, 在按下开关时维持导通状态; 而在无按下时为断路。而白色芯线为LED显示灯外接控制, 接上高电位时(直流+5V)为红色; 低电位时(直流0V)为白色。

把话筒暴露于高温中可导致输出电平逐渐及永久性减弱, 应避免将话筒留在日晒地方或长时间置于温度超过43°C的地方, 极高湿度也应避免。

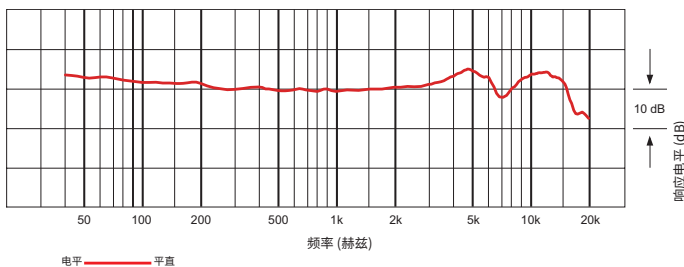
指向特性



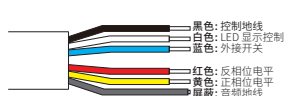
选择配件:

ATUC-50IU - 数字会议系统ATUC-50的嵌入式单元。

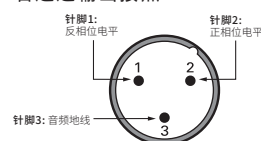
频率特性



左通道输出接点



右通道输出接点



铁三角