AT882TH/D3RC5 Dual-element Hypercardioid Condenser Microphone (with Remote Switching and LED)

AT SERIES

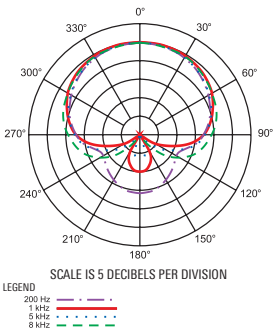
Specifications

Element	Dual back electret condenser
Polar pattern	Hypercardioid (Unidirectional)
Frequency response	20-20,000 Hz
Open circuit sensitivity	-35 dB (17.8 mV) re 1V at 1 Pa
Impedance	100 ohms
Maximum input sound level	130 dB SPL, 1 kHz at 1% T.H.D.
Signal-to-noise ratio	>66 dB, 1 kHz at 1 Pa
Phantom power requirements	11-52V DC, 2 mA typical
Switch	Push button : Left Channel control
Remote switch contact closure	Closed circuit in switch pressed / Opened circuit when not pressed
Remote LED input Maximum input voltage	Red light up when high (+5V DC), Unlit when low (0V DC), -0.5V to 5.5V
Weight	1.14 kg
Dimensions	354 mm - long, 345 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 direct output) Unterminated 5-wires (Left channel direct output)

Features

- Designed for quality sound reinforcement in demanding situations, conferencing, especially those requiring separate miking for PA and broadcast.
- Dual-element Hypercardioid condenser microphone with two independent power modules.
- A rubber switch with LED allows users to control for remote devices of Left channel.
- Integral, phantom-powered, Red LED indicator.
- Integral windscreens ensure ultimate security against wind noise and plosives.
- Small-diameter rigid-pipe design with pivoting ball-in-socket base permits flexible positioning.
- Heavy die-cast case and rubber bottom pads minimize coupling of surface vibration to the microphones.

polar pattern



Optional Accessories:

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

Description

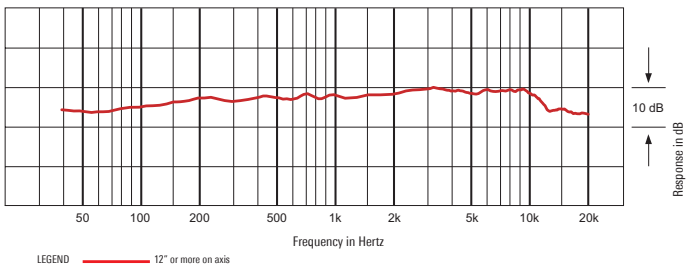
The AT882TH/D3RC5 requires a phantom power supply of 11–52V DC for the element. Output is low-impedance balanced. The Right channel signal appears across the XLR connector Pins 2 and 3, while the ground (shield) connection is Pin 1. The Left channel signal appear across the red and yellow wires; audio 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 Hypercardioid polar pattern of the elements provides a 100°angle of acceptance. The AT882TH/D3RC5 is designed with integral wind-screens to ensure maximum security against wind noise and plosives.

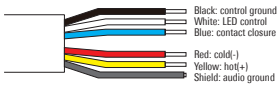
The microphone features a rubber switch that is programmable external contact closure and LED indicator. The microphone's external contact closures capability permits control of remote devices. The AT882TL/D3RC5 is enclosed in a sturdy metal housing with a low-reflectance black finish. Its base is a desk stand that connected with two 1 meter cables permanently attached to microphone. The XLRM output cable is used for Right side element and Unterminated cable for Left side element. The blue and black wires are used for contact closure, Closed when pressed or Opened when not pressed. The white wire is 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.

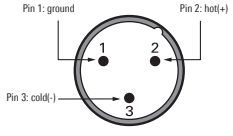
frequency response



Left channel output:



Rigth channel output:



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AT882TH/D3RC5 双音头超心形指向性电容话筒(带远程开关及LED显示灯)

AT SERIES

特性

- 设计于公共广播、会议、电视广播及其他特别要求的收音应用。
- 双音头单元的超心形指向性收音设计，并个别提供供电放大器电路。
- 带LED灯的无噪式开关，可设定作为左通道远程设备的逻辑控制。
- 整合LED状态显示灯，以幻象供电操作，提供通话状态显示。
- 整合了双网层防风罩，可减低环境噪声及风声。
- 话筒以曲管式设计，底部以活动滑珠固定在底座上，可灵活调校收音位置，以达到最佳收音效。
- 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

AT882TH/D3RC5的供电模组使用11V至52V的幻像供电工作，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，而光身屏蔽线则为地线(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心形指向的收音头，各可以提供100°收音角度，为减低环境噪声及风声，AT882TH/D3RC5设有双网层防风罩作保护。

话筒设有无噪开关，作为左通道的外部触点开关控制。无噪开关独立连接外置器材，经左通道话筒输出的开关控制线作遥距控制。

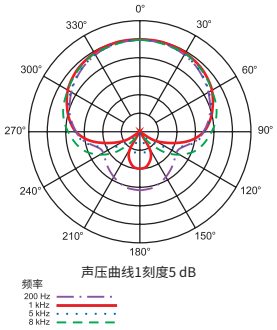
话筒外壳为全金属结构，话筒底部以活动滑珠固定在底座上，可灵活调校收音位置，并配有减低环境噪声及风声的防风罩。底座接有两条1米长固定式话筒线，3针卡农公头话筒线为右边收音单元；无终端话筒线为左边收音单元。无终端话筒线的黑色和蓝色芯线为外接开关控制，在按下开关时维保导通状态；而在无按下时为断路。而白色接线为LED显示灯外接控制，接上高电位时(直流+5V)为红色；低电位时(直流0V)为白色。

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。

技术指标

收音头	双元件背板静电型电容式
指向特性	超心形指向性
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 : 左通道(L) - 控制
远程开关接点控制	按下时电路导通; 无按下时电路断路
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)直接输出 : 3针卡农公头 左通道(L)直接输出/控制 : 无终端连接

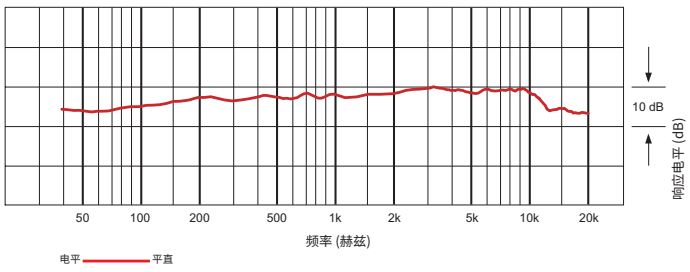
指向特性



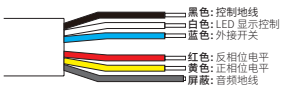
选择配件:

ATUC-50IU - 数字会议系统ATUC-50的嵌入式单元。

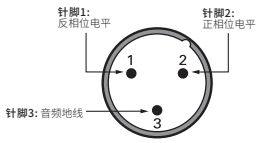
频率特性



左通道输出接点



右通道输出接点



铁三角