ATND8677

Microphone Desk Stand with Dante™ Network Output

Features

- **Connects directly to network via Ethernet cable - no soldering or additional cable required**
- **Integrated user switch controls talk/mute in Local mode and triggers Dante-enabled devices in Remote mode**
- **Local or remote control of gain, low-cut UniSteep® filter and red/green LED status indicator**
- **Powered by network PoE**
- **Scalable across Dante's 512 bidirectional audio channels**
- **Touch-sensitive capacitive-type user switch**
- **UniSteep® filter provides a steep low-frequency attenuation to improve sound pickup without affecting voice quality**
- **3-pin XLRF-type input for quick mounting of any gooseneck microphone with an XLRM-type output**
- **Heavy die-cast case and non-slip silicone foam bottom pads minimize coupling of surface vibration to the microphone**

Description

The ATND8677 is a Dante-enabled microphone desk stand for use with any gooseneck microphone with a three-pin XLRM-type output connector. The desk stand is designed for surface-mount applications such as high-quality sound reinforcement, conferencing, distance learning and other demanding sound pickup applications.

The desk stand features a touch-sensitive capacitive-type user switch with integral red/green LED status indicator. In Local mode the user switch mutes and unmutes the microphone. It can be set to toggle between live and muted audio (toggle on/off), to permit live audio only while the switch is pressed (press to talk), or to mute the audio while the switch is pressed (press to mute). In Remote mode the user switch can be used to trigger functions on compatible Dante-enabled devices, such as a video camera's pan/tilt or a room's lighting preset. While in Remote mode the desk stand's audio output is controlled remotely.

The audio output of the ATND8677 can be routed using Audinate's Dante Controller, which is available for download at the Audinate website (www.audinate.com). The site also provides Dante routing and software instructions.

The desk stand's heavy die-cast case and non-slip silicone foam bottom pads minimize coupling of surface vibration to the microphone. The stand features a low-reflectance black finish.

Operation and Maintenance

The ATND8677 is powered by network PoE. The electronics in the desk stand take up to 30 seconds to stabilize after power is applied.

The desk stand features a touch-sensitive user switch with integral red/green LED status indicator. The user switch has four Local settings that can be chosen by pressing the button beneath "SWITCH FUNCTION" and "DEFAULT MODE." The default setting is TOGGLE ON/OFF. Press the button once to change setting to TOGGLE ON/OFF. In both settings the user switch will toggle between mute and unmute – the only difference is the status of the audio when the desk stand is turned on. Press the button a second time to select MOM. ON (momentary on), wherein the audio will be on only while the user switch is being pressed (press to talk). Press the button a third time to select MOM. OFF (momentary off), wherein the audio will be muted while the user switch is being pressed. Press the button a fourth time to cycle the setting back to the default. The "SWITCH FUNCTION" and "DEFAULT MODE" LEDs will illuminate red or green to indicate the current setting.

Turn the low-cut UniSteep® filter on and off by pressing the button beneath "LOW CUT" on the bottom of the desk stand. The filter is off by default. The LED above "LOW CUT" illuminates red when the filter is off, green when it is on.

There are three input gain levels that can be selected: +30 dB (for loudest voices), +40 dB and +50 dB (for softest voices). To adjust the gain level, press the button beneath "GAIN" on the bottom of the desk stand. Pressing the button once changes the level from +30 dB to +40 dB, pressing it again changes the level to +50 dB and pressing a third time returns the level to +30 dB. The LED above "GAIN" illuminates green for +30 dB, orange for +40 dB and red for +50 dB.

By default, the desk stand supplies 12V DC of phantom power, which is required by most gooseneck microphones. Phantom power can be turned off by pressing the button beneath "PHANTOM" on the bottom of the desk stand. The LED above "PHANTOM" illuminates green when power is on and red when it is off.

To lock the Local settings, press and hold the button beneath "LOCK" on the bottom of the desk stand. Press and hold again to unlock settings. The LED above "LOCK" will illuminate red when locked and remain unlit when not locked. If a setting button is pressed while the lock is on, the LOCK LED will blink.

All LEDs on the bottom of the desk stand will turn off seven seconds after the last button is pressed. Pressing any button will cause the LEDs to relight.

To return the desk stand to its default Local settings, press the GAIN and LOW CUT buttons simultaneously.

The desk stand can also be controlled remotely via third-party software.* When this software is used it will override local control, causing the audio to remain on and the red/green LED status indicator, low-cut filter and input gain level to be controlled remotely. In Remote mode the desk stand's user switch can be programmed to trigger functions on compatible Dante-enabled devices. When in remote mode the Remote LED is illuminated.

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

Note: Placing any object on a surface (such as a conference table) before its finish is fully cured may result in damage to the finish.

*For a list of compatible third-party software consult the ATND8677 product profile at Audio-Technica.com.
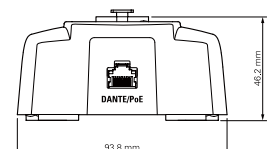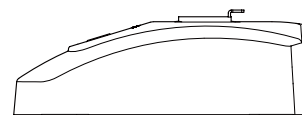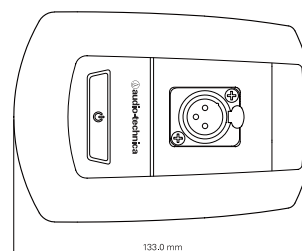
User Switch Settings and Functions in Local Mode

CONTROL

	User Switch Mode	SWITCH FUNCTION LED Color	DEFAULT MODE LED Color
Default	Toggle (mute on power up)	Green	Red
1st Press	Toggle (talk on power up)	Green	Green
2nd Press	Press to Talk	Red	Red
3rd Press	Press to Mute	Red	Green

Specifications

Frequency response	20-20,000 Hz
Low frequency roll-off	80 Hz, 18 dB/octave
Input impedance	1.4 kΩ
Maximum input levels	-10 dBu @ +30 dB gain -20 dBu @ +40 dB gain -30 dBu @ +50 dB gain
Signal-to-noise radio	68 dB, 1 kHz at 1 Pa
Power requirements	PoE IEEE802.3af standard
Power consumption	1.5W
Microphone phantom power	12V DC
Switches	Local Mode: Touch-sensitive capacitive type user switch function: toggle (mute on power up), toggle (talk on power up), momentary on, momentary off; Low-cut filter: flat, roll-off; Gain: +30 dB, +40 dB, +50 dB Phantom power: +12V DC, off Remote Mode: Low-cut and Gain via third-party software*
Weight	770 g
Dimensions	133.0 mm (L), 93.8 mm (W), 46.2 mm (H)
Input connector	3-pin XLRF-type
Output connector	Physical level: standard Ethernet
Dante network	Connector: single RJ45 Cable quality: Shielded CAT5 or CAT6 recommended Transmission speed: 100 Mbps

audio-technica

Machida • Tokyo • Japan

FORM No. ATGC-L0328-15-E

桌面式话筒座带Dante™网络输出

特性

- 使用以太网线直接连接至网络中 - 无需再外加及焊接音频线
- 整合了用户开关，可在本地模式中控制讲话/静音；亦可在远程模式中操控Dante设备
- 本地或远程控制增益、UniSteep®高通滤波器和LED指示灯的状态红/绿显示
- 以网络的PoE供电
- 整个可扩展性的Dante系统，具有512双向音频通道
- 电容式触控感应的用户开关
- UniSteep® - 高通滤波器，提供了一个高效能的高通滤波，把低频噪声作出衰减而无损话音的收音质量
- 配以3针XLRF卡农母头插座，适合任何XLRM卡农公头输出的鹅颈话筒快速安装
- 以压模铸造的坚固外壳及话筒座底部的防滑矽泡棉，可减低桌面震动对话筒的影响

说明

ATND8677是一枚具有Dante功能的桌面式话筒座，适合任何XLRM卡农公头输出的鹅颈话筒快速安装，话筒座设计于平面放置应用，提供高质量收音、会议、远程教学等高要求的收音应用。

话筒座设有电容感应轻触开关，并设置有以红/绿色显示LED指示灯。在本地模式下，用户可开关话筒以静音或讲话操作，当中可以设置讲话和静音间的反覆切换（锁存式开/关）之间的实时和静音音频切换；或预设静音而只在按下时讲话（点动讲话），或预设讲话而只在按下时静音（点动静音）。在远程模式中，轻触开关可用来控制兼容Dante功能的设备，例如视频摄像机的拍摄目标位置或房间的照明预置功能。同时话筒的音频输出亦可在远程模式中作出远端控制。

ATND8677的音频输出可以使用Audinate公司的Dante控制器作路线布局，可在Audinate网站(www.audinate.com)下载有关软件。该网站还提供Dante的路由控制和软件说明。

话筒座以重型压铸技术制造，底部装有矽胶海棉防震胶垫，可减低由桌面震动产生的噪声。不显眼设计及磨砂黑色涂层，可增强在严肃场合使用时的隐藏性。

操作与维护

ATND8677需要由网络的PoE供电。话筒座的电子部份需要在上电30秒后才达到稳定的状态。

这桌面式话筒座配置有一个整合式的轻触感应用户开关，和红/绿色LED状态指示灯。此用户开关设有四组设置选择，可以通过按下底部的按钮选择"开关功能(SWITCH FUNCTION)"和"默认模式(DEFAULT MODE)"。在预设状态下为"锁存开关模式 (TOGGLE ON/OFF)"，按下一次可按钮来更改更改默认模式，两种模式同样是设置用户开关在静音和讲话间的反覆切换 - 唯一的区别只是在话筒座上电时的音频状态。再按下第二次，会设置为"点动开启模式(MOM.ON)"，话筒座正常时为静音，只在按下用户开关时才开启讲话 (按下讲话)。再按下第三次，会设置为"点动关闭模式(MOM.OFF)"，话筒座正常时为开启，只在按下用户开关时才会关闭静音(按下静音)。当再按下第四次时，会恢复到周期设置的预设状态。在"开关功能(SWITCH FUNCTION)"和"默认模式(DEFAULT MODE)"的指示灯会亮起红色或绿色来显示当前设置。

话筒座配置有UniSteep® 高通过滤器开闭，可按下话筒座底部的"LOW CUT"按钮选择。该过滤器预设是关闭的，即"LOW CUT"的LED会亮起红色；而在选择于开启状态时，LED会亮起绿色显示。

另外，话筒座亦配置有三种输入增益选择，亦即是 +30dB（在大音量讲话）、+40dB 和 +50dB（用于柔弱的音量）。要调整增益电平，可按下话筒座底部的"GAIN"按钮。按下一次可把级别从 +30dB 改至 +40dB，再按第二次会把增益改变至 +50dB，如再按第三次会把增益电平返回+30dB。上述"GAIN"的LED会分别以绿色(+30dB)，橙色(+40dB)和红色(+50dB)显示。

默认情况下，话筒座提供直流12V幻象供电，给多太多数鹅颈话筒的供电需要。幻象电源可以通过按下话筒座底部的"PHANTOM"按钮关闭。在"PHANTOM"上方的LED亮起绿色时表示电源开启，而亮起红色时表示关闭。

如要锁定本地设置，可持续按下话筒座底部的"LOCK"按钮，再次持续按下可解除锁定。当锁定时，"LOCK"的 LED会显示红色；而在未锁定时会保持熄灭。当锁定时如果按下其他按钮，LOCK指示灯会闪烁显示。

在最后一之下按钮后，话筒座底部的所有LED将会保持7秒后关闭，直至再按下任何按钮后，LED指示灯才重新亮起。

把话筒座的本地模式恢复回默认预设状态，可同时按下"GAIN"和"LOW CUT"按钮即可。

话筒座也可以通过第三方软件进行远程控制。*在使用这些软件时，软件将会无视本地控制的设定，从而使音频维持开启，而LED指示灯的红/绿状态、高通滤波器和输入增益均由远程控制所取代。在远程模式时，话筒座上的用户开关可以被编程为控制其他兼容Dante设备的操作。在操作于远程模式时，远程(Remote)LED将会亮起显示。

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

注意：放置任何物件在一个未完全乾固的表面(如会议桌上)，可能会损坏表面的涂层。

*在兼容于ATND8677的第三方软件名单，请在鐵三角网站查看。

本地模式时用户开关的设定与功能

控制

	用户开关模式	开关功能的LED颜色 (SWITCH FUNCTION)	默认模式的LED颜色 (DEFAULT MODE)
预设	锁存式 (上电静音)	绿色	红色
第一次按下	锁存式 (上电讲话)	绿色	绿色
第二次按下	点动开启	红色	红色
第三次按下	点动关闭	红色	绿色

技术指标

频率响应	20-20,000 Hz
高通滤波	80 Hz, 18 dB/octave
输入阻抗	1.4 kΩ
最大输入电平	-10 dBu于 +30 dB 增益 -20 dBu于 +40 dB 增益 -30 dBu于 +50 dB 增益
讯噪比	68 dB, 1 kHz 于 1 Pa
供电	PoE IEEE802.3af 标准
耗电量	1.5 瓦
话筒幻象供电	直流 12V
开关	本地模式: 电容式轻触感应的开关方式：锁存(上电静音)、锁存(上电讲话)、点动开启、点动关闭; 滤波器：平直、高通滤波; 增益：+30 dB, +40 dB, +50 dB 幻象供电：直流+12V、关闭 远程模式: 通过第三方软件作高通滤波和增益控制*
重量	770 克
外形尺寸	长133.0 mm, 宽93.8 mm, 高46.2 mm
输入端子	3针 XLRF卡农母座
输出端子	物理层：标准以太网
Dante 网络	接口：RJ45 网线质量：建议使用屏蔽式CAT5或CAT6网线 传输速度：100 Mbps

133.0 mm

46.2 mm

93.8 mm

DANTE/PoE

audio-technica 鐵三角®
Machida • Tokyo • Japan