



# Product Information

UHF Antenna Distribution System ATW-DA49b

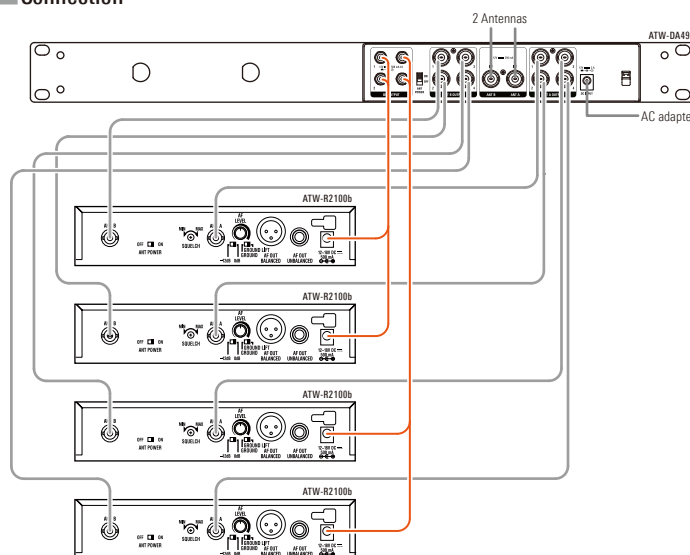
audio-technica

## Specifications

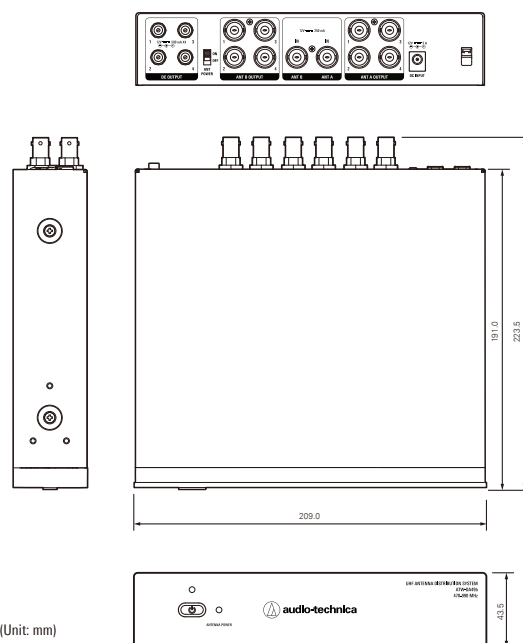
Operating Frequencies	470 MHz to 990 MHz
Input Connector	2 input - BNC jack
Output Connector	2 x 4 distribution output - BNC jack
OIP3	-35 dBm (typ.)
RF Output Gain	+1.0 dB $\pm$ 2.0 dB
Input/Output Gain	+1.0 dB $\pm$ 2.0 dB
Phantom Power	12 V DC, maximum 250 mA x 2
Power Supply	100 to 240 V AC (50/60 Hz) to 12V DC 3.0A
Operating Temperature Range	-5°C to 45°C
Dimensions	209 mm W x 43.5 mm H x 191 mm D (excluding protrusions)
Weight	1.45 kg
Accessories Furnished	Rack-mount kit (rack-mount x 2, mounting screw x 6), BNC cable x 10, DC power interconnect cables x 4, AC adapter and cord

For product improvement, the product is subject to modification without notice.

## Connection



## Dimensions



Thank you for purchasing this product. Before using the product, read through the user manual to ensure that you will use the product correctly. Please keep this manual for future reference.

## Features

- Active UHF diversity antenna distribution system
- Wide-band 470 - 990 MHz
- Enables one pair of antennas to feed multiple wireless systems
- Provides 12VDC at up to 500 mA to power 4 receivers. Connect the included DC cables to supply up to four ATW-R2100 or ATW-R3100 receivers.
- High OIP3 for maximum protection against intermodulation
- Provides antenna power 12V/250 mA max from each antenna input
- Designed to complement Audio-Technica's wireless systems
- Suitable for many other wireless systems operating within the 470 - 990 MHz range

## Description

The ATW-DA49b is a wide-band UHF (wide-band 440-900 MHz) active unity-gain diversity antenna distribution system that enables one pair of antennas to feed multiple wireless systems. Provides two "1-in, 4-out" RF channels; connects a pair of antennas to as many as four wireless receivers. Either passive or active antennas may be used. Both input jacks offer switchable +12V DC output on their center pins to operate Audio-Technica powered antennas or other in-line RF devices if desired.

Four power jacks on the rear panel provide 12V DC (center positive) to power as many as four wireless receivers. Each output is short-circuit protected and can supply up to 500 mA. Included with the unit are four DC cables appropriate for use with ATW-R3100b or ATW-R2100a (or like powered) receivers.

The ATW-DA49b features all-metal construction for extreme durability and protection from radio-frequency interference. Occupying one vertical space, the half-rack sized unit offers flexibility in sharing rack space with a receiver, another ATW-DA49b, or front mount antenna connections using the included rack mounting hardware.

Includes ten RF cables, four DC power cables, +12V DC desktop power supply with detachable IEC power cable, and rack-mount hardware kit to permit attachment in a standard 19" rack space.

## Safety precaution

Although this product was designed to be used safely, failing to use it correctly may result in an accident. To ensure safety, observe all warnings and cautions while using the product.

## Cautions for the product

- Disconnect the product from a device if the product begins to malfunction, producing smoke, odor, heat, unwanted noise or showing other signs of damage. In such a case, contact your local Audio-Technica dealer.
- Do not remove the cover. There are no user-serviceable parts inside.
- Internal adjustments are for qualified professionals only. Refer all servicing to qualified service personnel.
- Do not expose this appliance to rain or moisture.
- Do not subject the product to strong impact to avoid electric shock, malfunction or fire.

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 Global Support Contact: [www.at-globalsupport.com](http://www.at-globalsupport.com)

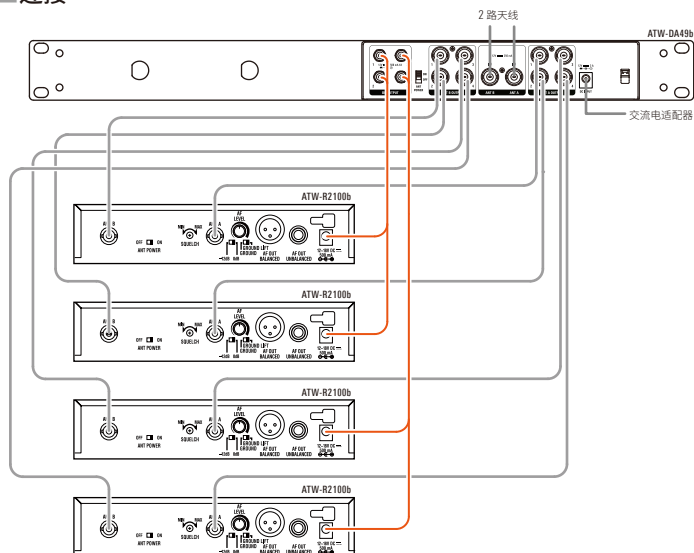


## 规格

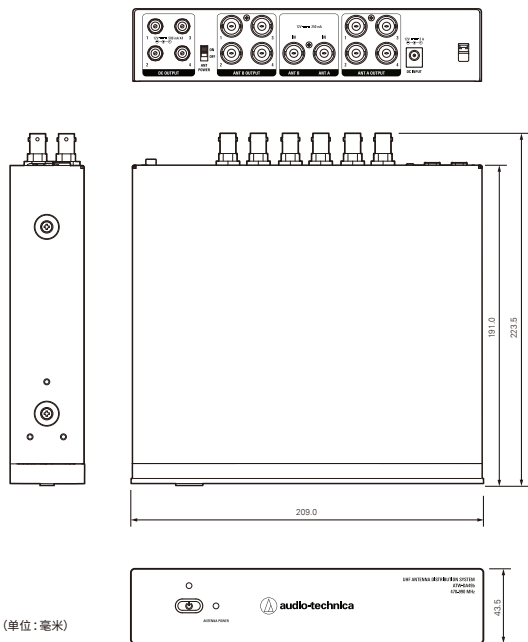
频率响应	470 MHz ~ 990 MHz
输入端子	2 输入 - BNC 端子
输出端子	2 × 4 个分配输出 - BNC 端子
OIP3	+35dBm (典型)
射频输出增益	+1.0 dB ± 2.0 dB
输入/输出增益	+1.0 dB ± 2.0 dB
幻像电源	直流 12 V, 最大 250 mA × 2
供电	交流 100 ~ 240 V (50/60 Hz) - 直流 12V 3.0 A
工作环境温度	-5°C ~ 45°C
尺寸	209mm × 43.5mm × 191mm (不含突出部分)
重量	1.45 公斤
标配	机架安装套件(2个机架安装件、6颗安装螺钉)、BNC 连接线 - 10 根、直流供电连接线 - 4 根、交流电源适配器和电源线

因产品改进, 本产品会随时改装, 恕不另行通知。

## 连接



## 尺寸



(单位: 毫米)

## 特点

- 有源 UHF 分集天线分配系统
- 宽频带 470 ~ 990 MHz
- 使用一对天线便能够为多个无线系统提供接收信号
- 提供直流 12V 输出, 以每组 500mA 为 4 个接收器供电。连接随附的直流供电线, 为多达 4 个 ATW-R2100 或 ATW-R3100 接收器供电。
- 高 OIP3 电平, 可大幅度地降低互调干扰
- 每个天线输入端子提供高达 12V/250mA 的天线供电
- 用于完善铁三角无线系统的设计
- 适用于在 470 ~ 990 MHz 范围内运行的其他无线系统

## 说明

ATW-DA49b 是一台 UHF 频段 (440-900 MHz) 的宽频带分集式天线分配系统, 可让一对天线接收信号作有源整体增益的分配到多个通道的无线接收系统中。一台 ATW-DA49b 可提供两组“一进四出”的射频通道; 可以使用一对无源或有源天线连接到多达四组无线接收器。在需要时, 两个天线输入端口设有可开关+12V 直流供电, 能供电给三角有源天线或其他射频设备使用。

后面板上的四个电源插孔提供直流 12V 输出 (中心正极), 可为多达四台无线接收器供电。每个输出具有短路保护, 可提供高达 500 mA 的电流。同时提供四根直流供电线, 适用于 ATW-R3100b 或 ATW-R2100a (或其他同供电要求) 接收机使用。

ATW-DA49b 采用全金属结构, 具有极高的耐用性并能防止射频干扰。只占用 1U 的垂直空间, 而半机架的设计可灵活地与另一台 ATW-DA49b 或无线接收器并合安装。亦可另配天线连接配件, 把天线安装到长安装架的圆孔上。

配件包括 10 根射频连接线、4 根直流供电线、带可拆卸 IEC 电源线的 +12V 直流电源适配器, 以及可配置在标准 19 英寸机架的安装套件。

## 安全预防措施

虽然本产品采用安全设计, 但使用不当仍可能发生事故。为了确保安全, 使用本产品时请注意全部警告和提醒。

## 本产品注意事项

- 如果本产品出现故障、冒烟、异味、发热、杂音或损坏迹象, 请断开其与设备的连接。在这种情况下, 请联系当地“铁三角”经销商。
- 请勿拆开、改装或尝试修理本产品, 内部没有可供用户维修的部件。
- 内部调整仅适用于合格的专业人员, 所有维修工作需交由合格的维修人员进行。
- 请勿将本产品置于遭雨淋或放置于潮湿环境中。
- 请勿使产品受到强烈冲击, 以免发生触电, 导致故障或引发火灾。