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AudioControl AC-BT24 High Resolution Bluetooth Audio Streamer and DSP Programmer User Guide
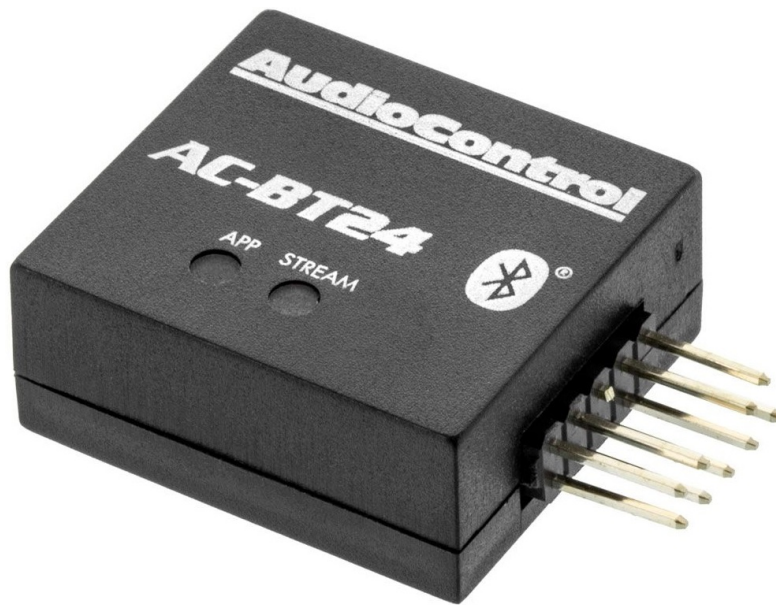
Contents

AudioControl AC-BT24 High Resolution Bluetooth Audio Streamer and DSP Programmer

Product Information

The AC-BT24 is a Bluetooth audio receiver that allows you to stream music wirelessly to a DM processor or amplifier. It can be connected to the Option Port of a DM processor or amplifier and is compatible with Bluetooth-enabled devices such as phones and tablets. The AC-BT24 comes with the DM Smart DSPTM app, which can be downloaded from the App Store or Google Play.

Product Usage Instructions

1. Download the DM Smart DSPTM app from the App Store or Google Play on your Bluetooth-enabled phone or tablet.
2. Connect the AC-BT24 to the Option Port of a DM processor or amplifier. Ensure correct orientation of the AC-BT24 by aligning the key with the port.
3. Select the Option Port as your source on the DM processor or amplifier to set it up for audio streaming with the AC-BT24. The audio will come in on the last input pair.
4. Pair your Bluetooth-enabled source to the AC-BT24 using its serial number, which can be found in your Bluetooth device list.
5. You can now control your music and view song/artist information from your Bluetooth-enabled source using the DM Smart DSPTM app.

Installation

Download the DM Smart DSP™ app from the App Store1 or get it on Google Play2 on a Bluetooth-enabled phone or tablet. Connect the AC-BT24 to the Option Port of a DM processor or amplifier. The Option Port is keyed to ensure correct orientation of the AC-BT24.

DSP Programming

Turn on the DM processor or amplifier. After a few moments, open the DM Smart DSP app on your Bluetooth-enabled phone or tablet. You will be prompted to connect to the AC-BT24 which can be identified by it's serial number in the device list (handy if you are in within range of multiple AC-BT24s). After a few moments, a green LED graphic will illuminate in the upper righthand corner of the DM Smart DSP app, indicating you are now connected. Once you are connected you may now use the DM Smart DSP app to set up the DM processor or amplifier.

Streaming

To set up a DM processor or amplifier for audio streaming with the AC-BT24, select the Option Port as your source, which comes in on the last input pair. Pair your Bluetooth-enabled source to the AC-BT24, which can be identified by its serial number in your Bluetooth device list. You will continue to control your music and view song/artist information from your Bluetooth-enabled source.

Features & Specifications

- **Bluetooth:** Version 4.2
- **aptX HD Compatible:** the AC-BT24 supports 24-bit/48 kHz streaming from devices with the aptX HD codec
- **UART Interface:** bidirectional interface for setup and control over DM processors or amplifiers via the DM Smart DSP app
- **Output:** dual differential class A-B output stage
- **Signal to Noise Ratio:** 96 dB
- **Maximum Data Rate:** 3Mbps (typical 1.6Mbps)
- **Operating Range:** 10+ meters (depending on environment)
- **Power Requirements:** the AC-BT24 operates off of power provided by the Option Port on a DM processor or amplifier

Documents / Resources

AC-BT24	**AudioControl AC-BT24 High Resolution Bluetooth Audio Streamer and DSP Programmer** [pdf] User Guide AC-BT24, AC-BT24 High Resolution Bluetooth Audio Streamer and DSP Programmer, High Resolution Bluetooth Audio Streamer and DSP Programmer, AC-BT24 High Resolution Bluetooth Audio Streamer, High Resolution Bluetooth Audio Streamer, Bluetooth Audio Streamer, Audio Streamer

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