



Digital Audio Trigger Model DAT1

Owner's Manual

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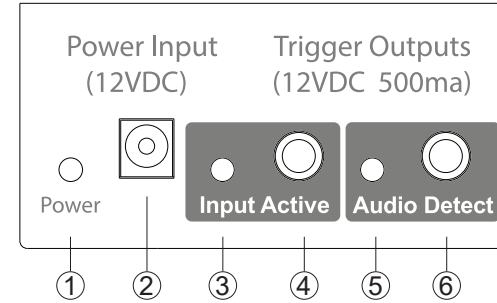
Introduction

The Bobwire DAT1 will simplify your AV installation by providing a 12V trigger to turn On/Off amplifiers, cooling fans, AV selectors or other accessories. It works by monitoring a digital optical audio signal and then activating the 12V outputs if the source is powered on or if audio is playing. This is particularly useful for music streaming devices that are connected directly to a power amplifier such as the Sonos Connect™, Amazon Echo Link™ or Google ChromeCast Audio™. Some audio amplifiers have audio sensing circuits but these are not reliable at lower listening levels. The Bobwire DAT1 will reliably trigger and turn on an amplifier or other accessory every time, as soon as the connected source starts playing audio regardless of the volume level. The superior built-in hi resolution 192kHz 24-bit DAC will also improve the overall sound quality elevating your listening experience.

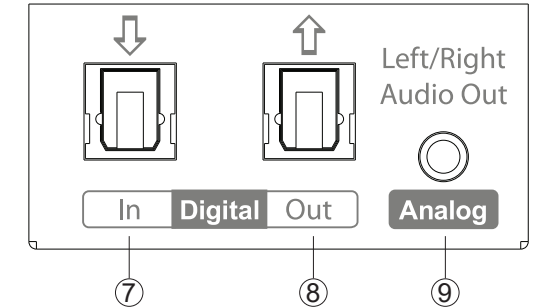
Included

- DAT1 unit
- Digital optical cable
- 3.5mm 12V trigger cable
- Power supply

For more information about the Bobwire DAT1 go to:
www.bobwireaudio.com

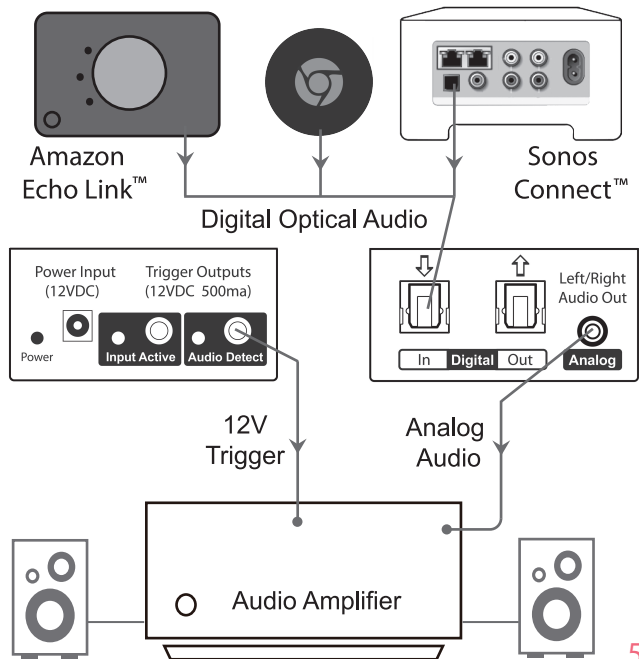


- 1. Power LED:**
Illuminates when power is connected.
- 2. Power Input Jack:**
Connect power supply (12VDC 0.5-1.0 Amp).
- 3. Input Active LED:**
Illuminates when the Input Active 12V trigger is on.
- 4. Input Active Trigger:**
12V output when the connected audio source is powered on.
- 5. Audio Detect LED:**
Illuminates when the Audio Detect 12V trigger is on.
- 6. Audio Detect Trigger:**
12V is output when audio is playing on the connected source.

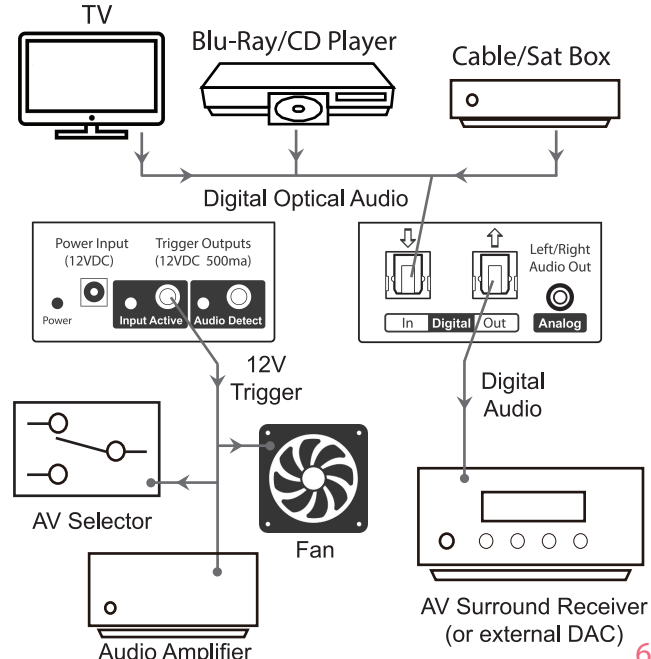


- 7. Optical Input:**
Connect the digital audio source to this input.
- 8. Optical Output:**
Allows the input to pass through to another device such as a surround sound receiver or external DAC.
- 9. Analog Audio Out:**
The built in 192kHz 24-bit Cirrus Logic DAC provides superior sound quality when connecting to a power amplifier or another audio device.

Example Using the Audio Detect Trigger (these devices don't have a power button)



Example Using the Input Active Trigger (these devices have a power button)



Input Active Trigger

This trigger will activate when the connected digital audio source is powered on. For example when a connected TV is powered on the Input Active Trigger will immediately have 12V present. The Input Active Trigger should only be used with devices that have a power button or a true On/Off state. Examples of devices with power buttons are TVs, DVD/Blu-ray players, Cable/Sat set top boxes, CD players and some streaming devices. Devices that don't fully power off cannot use the Input Active Trigger and therefore must use the Audio Detect Trigger instead. The Input Active Trigger has an adjustable turn off delay of 0 or 30 seconds. The factory default setting is 0 seconds meaning this 12V output will turn off as soon as the source is powered off. If you wish to change the turn off delay, open the DAT1 case by removing the single screw and then gently prying apart the two case pieces. While looking at the circuit board (trigger outputs facing you) move the jumper to the left position to select the 30 second turn off delay option.

Digital In/Out

Connect your digital audio source to the digital input on the Bobwire DAT1 using the included optical cable. The digital output is provided to pass along the digital audio signal to another device such as a surround sound receiver or DAC.

Audio Detect Trigger

The Audio Detect Trigger is only activated when audio is playing. It works by monitoring the connected digital audio source and looking for a PCM audio signal. The Audio Detect Trigger should be used if the connected audio source does not have a power button. Examples of audio devices that don't have power buttons are the Sonos Connect™, Amazon Echo Link™, Google ChromeCast Audio™ and Apple Airport Express™. The Audio Detect Trigger is only activated by a stereo PCM bitstream, it will not be activated by Dolby Digital or DTS signals. The Audio Detect Trigger will remain on for about 1 minute after the audio stops. This delay helps prevent an unintended turn off between tracks or when the audio is paused for short periods. This turn off delay is not adjustable.

No Optical Audio Connection on your AV gear?

The Bobwire DAT1 will only trigger from an optical audio connection. You can purchase an inexpensive "HDMI audio extractor" to convert HDMI to optical. If your audio source only has a COAX digital output then you can purchase a coax to optical converter. USB to optical adapters can also be purchased for use with a PC or MAC.