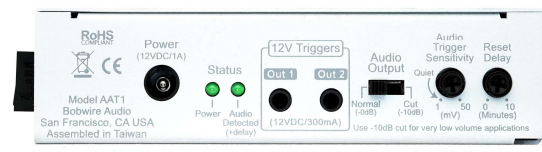


AAT1 High Sensitivity Analog Audio Trigger



The Bobwire AAT1 is an ultra-sensitive analog audio detection device with 12V trigger outputs and an expansion relay. The instant audio is detected at the RCA inputs, the 12V trigger outputs will be energized and the expansion relay will close. The AAT1 will wait anywhere from 1 second to 10 minutes (reset delay) after the audio stops before turning off the 12V triggers and opening the expansion relay. This reset wait time is determined by the setting of the Reset Delay adjustment knob. How loud the audio signal must be to trigger the AAT1 is determined by the setting of the Audio Trigger Sensitivity knob.

A common use for the AAT1 would be to turn on a power amplifier equipped with a 12V trigger Input. Most stand-alone amplifiers have 12V trigger inputs. The copper circuit board traces and gold plated audio connections ensure the purest audio signal path. The ultra-sensitive audio detection circuit is 100% analog & remains out of the signal path at all times.

- High sensitivity audio detection
- Two 12V Trigger Outputs
- Expansion relay adds flexibility
- Adjustable audio trigger sensitivity
- Adjustable reset delay time
- 300mA 12V output can control additional Bobwire products or other equipment
- Pure copper circuit board traces
- 100% Analog circuits & operation
- Gold plated RCA jacks
- Extremely low noise and distortion
- 10dB audio cut for lower listening levels
- Built-in mounting bracket

Frequency Response :	1Hz to 100kHz (+/-0.1dB)	Audio Trigger Sensitivity :	1mV to 50mV (audio signal)
Total Harmonic Distortion (THD) :	less than 0.001%	Audio Trigger Detection Frequency :	20Hz to 10kHz
Channel Separation (crosstalk) :	more than 100dB	Power Supply Output :	12VDC 1A (center pin is positive)
Signal to Noise Ratio :	more than 120dB	Power Supply Input :	100-250 VAC 50/60Hz
12V Trigger Output :	12VDC (300mA 1&2 combined)	Power Supply Connector Size :	5.5mm X 2.1mm
Reset Delay Time :	1 second to 10 minutes	Power Draw (self consumption) :	1.0 Watts (0.4 watts idle)
Expansion Relay Switch Rating :	4A (DC), 2A (AC) max while switching	Weight (device only/boxed) :	1.4lb (0.6kg) / 2.2lb (1.0kg)
Expansion Relay Current Rating :	6A max carrying capacity	Dimensions (without cables) :	7.4"x5.0"x1.4" (188x127x36mm)
Expansion Relay Info :	The relay has 2 internal contacts to double the capacity. For relay longevity, current while switching should be limited to 4A(DC) & 2A(AC).		
Mounting Options :	Use the built in mounting "ears" with screws or zip ties to mount to a wall or equipment rack or stick on rubber pads for tabletop use.		
Included Accessories :	AAT1 Device, power supply, 3.5mm "mono" 12V trigger cable, tabletop rubber pads.		