

General Operation

ToadWorks Ajax is a multi-state device designed for summing and splitting two distinct instrument signals. In addition, Ajax can invert the phase of both the incoming and outgoing signals. Suggested uses for Ajax are: a two-channel mixer, phase correction, multi-guitar/amp interface, stereo expander, stereo-to-mono summing node, buffered signal splitter, clean boost.

- 1 In (1)**
The In (1) jack is clearly labeled on the right side of the pedal. It is designed for use with 1/4" phone plugs only. This jack accepts signal from an instrument. Input to this jack will be summed with the input from In (2). No phase inversion is applied to this input.
- 2 In (2)**
The In (2) jack is clearly labeled on the right side of the pedal. It is designed for use with 1/4" phone plugs only. This jack accepts signal from an instrument. Input to this jack will be summed with the input from In (1). Phase inversion is applied to this input via the Phase toggle switch (#6).
- 3 Out (1)**
The Out (1) jack is clearly labeled on the left side of the pedal. It is designed for use with 1/4" phone plugs only. Unless phase inverted, the output from this jack is identical to the output from Out (2). Phase inversion is applied to this input via the large stomp switch (#9). The LED will light when this switch is engaged.
- 4 Out (2)**
The Out (2) jack is clearly labeled on the left side of the pedal. It is designed for use with 1/4" phone plugs only. Unless phase inverted, the output from Out (1) is identical to this jack.
- 5 Level (1)**
The Level (1) knob controls the amount of signal passed from the In (1) jack. 12 o'clock is unity gain.
- 6 Phase (2) Toggle Switch**
The Phase (2) toggle switch inverts the phase of the signal coming into the In (2) jack (#2).
- 7 Level (2)**
The Level (2) knob controls the amount of signal passed from the In (2) jack. 12 o'clock is unity gain.
- 8 Level (1) (2)**
The Level (1) (2) knob controls the master signal level passed to both output jacks (#3 and #4) 12 o'clock is unity gain.
- 9 Phase (1) Stomp Switch**
The Phase (1) stomp switch inverts the phase of the signal coming out of the Out (1) jack (#3). When this switched is engaged, the LED will light up, at which point the output from the Out (1) jack will be phase inverted. When this switch is disengaged, the LED will shut off and the signal from both output jacks will be in-phase.
- 9V Battery Clip**
Ajax uses a standard 9V alkaline battery. We recommend Duracell part # MX1604.
- Power Supply Jack**
Ajax is equipped with a 2.1mm barrel jack for use with a tip-negative 9 Volt DC REGULATED power adapter (Note: Many 9V power adapters are grossly out of spec, and the actual voltage can range anywhere from 7.5 Volts to 16 Volts. Voltages of 11V and above will affect the operation of the pedal and can damage the components. To avoid damage and/or incorrect operation, use only the highest quality power adapters). ToadWorks recommends the Godlyke Powerall 9VDC adapter.

DO NOT UNDER ANY CIRCUMSTANCES USE AN 18V OR AC ADAPTER!

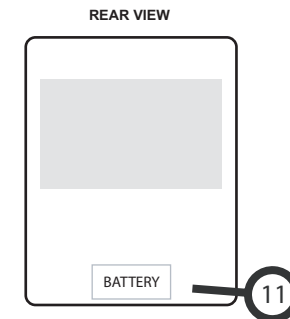
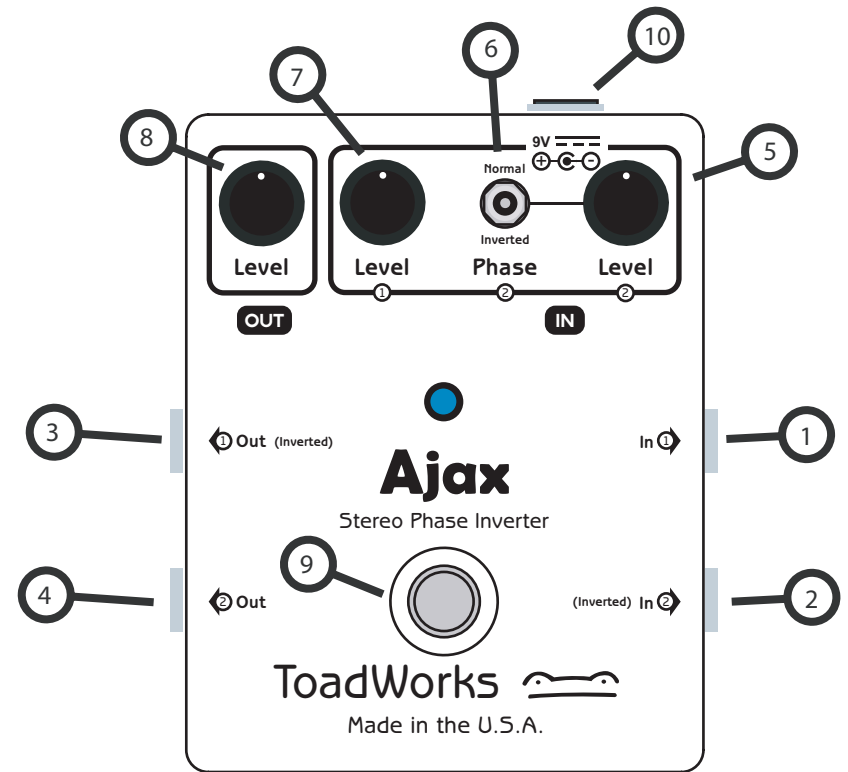
Forget about "increasing headroom" - if the pedal was intended to be used with 18V, we would say so. Any voltage higher than 11 VDC will DESTROY the Op-Amps, and we won't fix it for free.

Warranty

We guarantee that your pedal will be free of defects in workmanship for a period of two (2) years from the date of purchase. However, each pedal is hand made, and as a result certain imperfections are unavoidable; color & finish will ALWAYS be slightly imperfect. Just think of it as "unique." We also guarantee the continued operation of all components for a period of two (2) years from the date of purchase. Within this two year period ToadWorks will repair or replace at our discretion any pedal that ceases to function properly as a result of faulty workmanship or materials.

This warranty can be voided by any of the following:

- Removal or replacement of any component*
- Prolonged exposure to elements*
- Abuse above and beyond normal wear and tear*
- Application of incorrect power supply*



No pedal shall be repaired or replaced that shows signs of abuse and/or modification. All requests for warranty service must be accompanied by documented proof of purchase. This warranty is non-transferable. As of January 1, 2006, units purchased from US domestic dealers and shipped to Europe, Asia and Australia are not eligible for warranty services.

ToadWorks USA

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