# WALRUS AUDIO CANVAS EXPRESSION (Expression Pedal)



- Item: 71947
- EAN number: 810424038363
- Packaging Dimensions: 25 x 11 x 6.6 cm
- Weight: 1.0 kg
- Images | Translations | User Manual

## Need to know for retailers

- More than an expression pedal, Canvas Expression becomes the command center for virtually any pedalboard, synth or DAW setup.
- Makes advanced expression, MIDI and CV control accessible to every player by removing the complexity of traditional programmable controllers.
- Unlike a simple passive expression pedal, Canvas Expression features an intuitive on-pedal user interface for direct access to essential settings, with deeper customization available through the Canvas web editor.
- Two independently configurable analog outputs plus dedicated TRS and USB-C MIDI allow multiple devices and parameters to be controlled simultaneously.
- The same contactless magnetic position sensor technology found in the Canvas Volume Pedal delivers exceptionally smooth, dependable control without strings, gears or potentiometers that can stretch, slip or wear out.

## Full Feature List

- Premium programmable expression pedal combining Expression, Switch, CV and MIDI control
- Two independently configurable 1/4" analog outputs
- Each analog output can be assigned to Expression, Switch or CV operation
- Automatic wiring detection with TRS, RTS and TS compatibility
- Selectable expression tapers and adjustable sweep direction
- Momentary or latching switch operation
- Selectable 0–5V or 0–3.3V CV output
- Simultaneous control of multiple devices via analog and MIDI outputs
- Independent MIDI output via 1/8" TRS and USB-C
- Up to 16 assignable MIDI messages per MIDI output
- Supports MIDI CC and PC messages
- High-resolution 14-bit MIDI control via USB-C
- Dedicated Canvas web editor for easy programming and customization
- Editor control over tapers, wiring, MIDI assignments, CV settings, switch behavior, global settings and firmware updates
- Contactless magnetic position sensor
- No strings, gears or potentiometers to stretch, slip or wear out
- Adjustable treadle resistance
- Rugged steel and aluminum construction
- Power requirements: 9V DC, center-negative, 300mA minimum
- Dimensions: 22.5 × 9.1 × 4.8cm
- Weight: 1.0kg
- Designed and assembled in the USA.

## Description

Canvas Expression reimagines what an expression pedal can be: two independently configurable outputs capable of Expression, Switch, or Control Voltage, plus deep MIDI control over products via ⅛" TRS output and USB-C.

Canvas Expression isn't just another expression pedal. It's a command center for manipulating parameters that adapts to nearly any pedalboard, synth, or desktop setup.

Whether you're sweeping delay repeats, switching presets mid-song, controlling modular synths, or automating plugin parameters inside your DAW, Canvas Expression gives you flexible control without compromise. Configure every output exactly how your rig demands and save yourself from carrying multiple dedicated controllers. Traditional expression pedals do one job. Canvas Expression was designed to do nearly all of them.

Dual Independent Outputs
Each of its two independent outputs can function as a standard expression output, a programmable switch output, or a control voltage (CV) source, allowing a single pedal to control multiple devices across nearly any setup. Whether you're connecting to pedals, amplifiers, synthesizers, modular systems, or your computer, Canvas Expression adapts to the gear you're using instead of forcing your rig to work around it.

Customize Your Way
Built-in automatic expression wiring detection removes the guesswork of compatibility, while adjustable tapers, sweep direction, switching thresholds, and output behavior let you fine-tune exactly how your expression signals respond to the movement of the treadle.

MIDI Control
Beyond analog control, Canvas Expression becomes a powerful MIDI controller capable of sending up to 16 independently assignable MIDI messages over both USB-C and TRS MIDI. Using the Canvas Expression web editor at https://canvasexp.walrusaudio.io, assign control to pedals, processors, DAWs, virtual instruments, and plugins with smooth, high-resolution parameter sweeps or instant preset changes.

With customizable treadle tension, onboard configuration, and an intuitive web editor for advanced setup, Canvas Expression is designed to become the central control point for virtually any modern rig.

Dual Independent Outputs
Configure Jack A and Jack B independently. Each output can function as one of the following:

- Expression Output
- Switch Output
- Control Voltage (CV) Output

Control two completely different devices simultaneously with one pedal.

Universal Expression Compatibility
Designed to work with a wide range of expression-enabled gear, Canvas Expression supports multiple wiring configurations and automatic wiring detection for quick setup.

- TRS
- RTS
- TS resistance mode
- Automatic wiring detection
- Adjustable tapers
- Forward or reverse sweep direction

Simply connect your pedal, and with a few button presses, Canvas Expression determines the proper wiring automatically.

Programmable Switch Control
Need more than expression? Assign either output as a switch output for controlling amp channels, pedal functions, preset changes, or any compatible switching device.
Customize:

- Momentary or latching operation
- Heel, middle, or toe activation point
- Multiple switching configurations
- Forward or reverse triggering

Built for Synths & Modular
Generate control voltage directly from either output. Selectable voltage ranges include:

- 0–5V
- 0–3.3V

Perfect for Eurorack systems, desktop synthesizers, and CV-enabled effects.

Deep MIDI Control
Canvas Expression transforms into a flexible MIDI controller capable of controlling both hardware and software simultaneously.

- Up to 16 assignable MIDI messages
- Control Change (CC)
- Program Change (PC)
- Independent TRS MIDI and USB MIDI outputs
- High-resolution 14-bit USB MIDI
- MIDI input for remotely enabling or disabling outputs

From pedalboards to DAWs, Canvas Expression fits naturally into MIDI-based workflows.

Powerful Web Editor
Advanced setup is handled through the Canvas web app.
Configure:

- MIDI assignments
- Switch behavior
- TS resistance values
- Global settings
- Firmware updates

Make changes in seconds without navigating complicated menus.

Adjustable Feel
Dial in the treadle exactly how you like it.
A simple drag adjustment lets you increase or decrease pedal resistance for a lighter or firmer sweep depending on your playing style.

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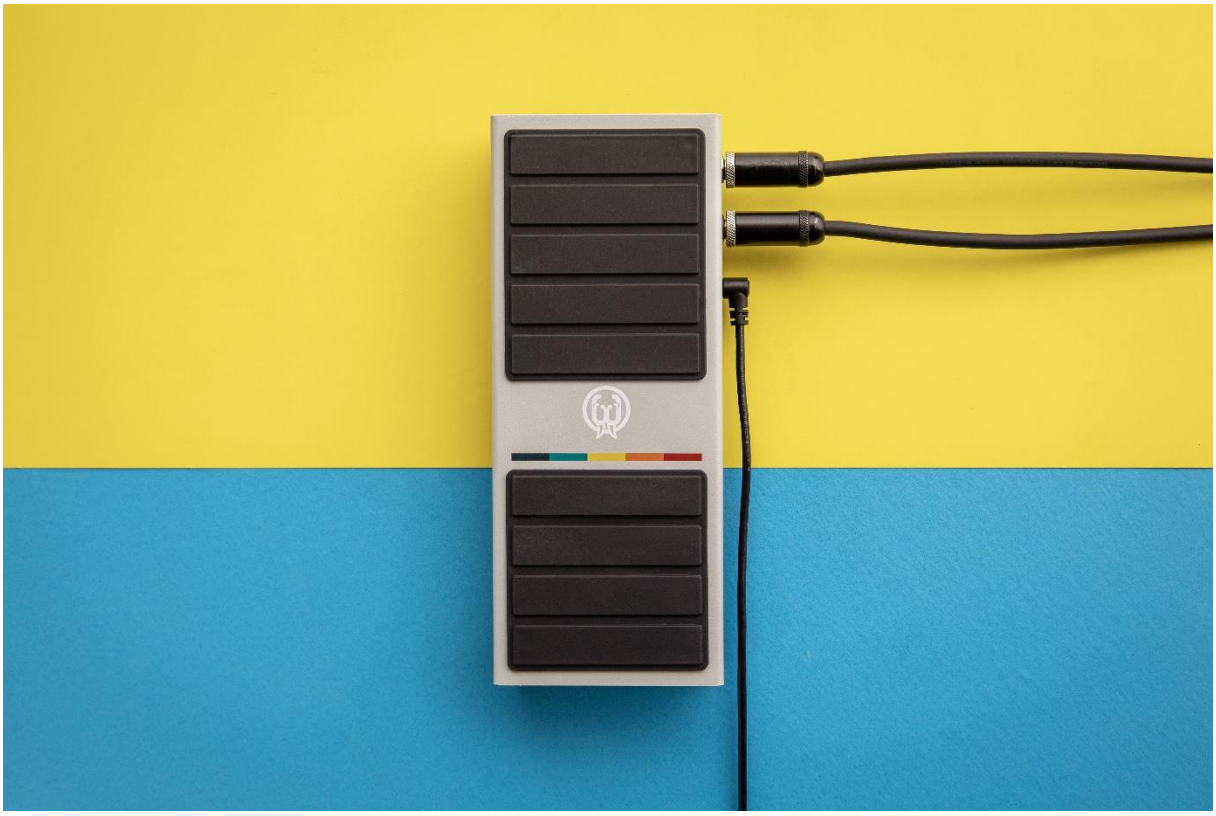










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