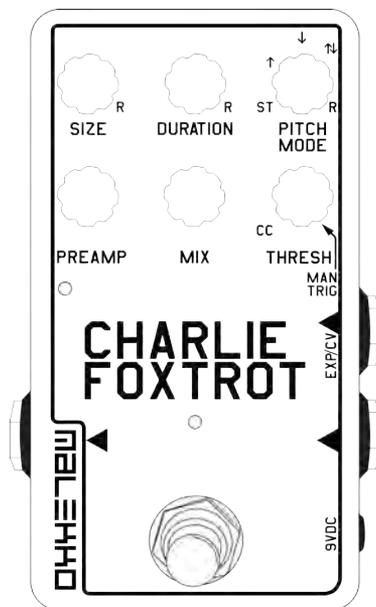


# CHARLIE FOXTROT

## USER MANUAL

MALEKKO  
HEAVY  
INDUSTRY

9VDC

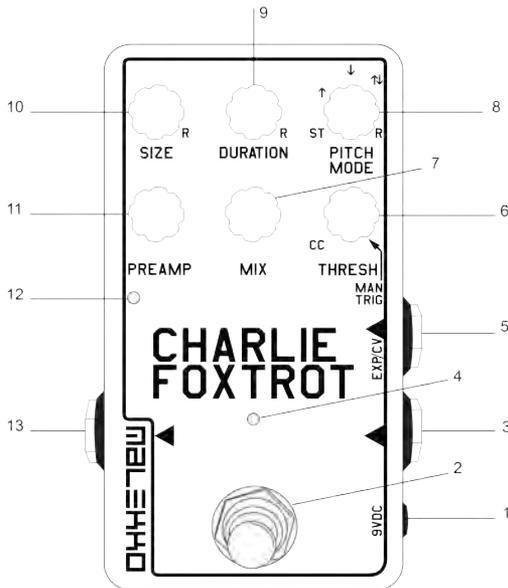


Charlie Foxtrot is a digital buffer/granular pedal with both auto-capture and manual-capture of the input signal. Playback and capture can be manipulated through several parameters: The six knobs control the size of the buffer, duration of repeats, pitch mode, threshold, mix, and preamp level. Any combination of Size, Duration, Pitch Mode, and Trigger Threshold settings, both positive and negative sweep, can be controlled with an expression pedal or through CV input

### **Charlie Foxtrot Features include:**

- Buffer/Grain Size – Adjustable or random buffer/grain size from approximately 200ms to 600ms
- Duration – Adjustable or random repeat duration from approx. 100ms to 10 sec.
- Four different Pitch Modes & Random – “Stutter” (no pitch modulation), “Up” (pitch is modulated in the up direction with a randomized speed and amount of modulation, “Down” (pitch is modulated in the down direction with a randomized speed and amount of modulation, “Both” (pitch is modulated in both up and down directions with a randomized speed and amount of modulation) and “Random” (this mode selects between the first four modes at random, but biased toward Stutter)
- Threshold – Set the threshold for auto-capture of input data. All the way CW is manual trigger mode. With the knob all the way CCW, input will continuously capture at the end of each duration.
- Mix – Set the mix from 100% dry to 100% wet.
- Preamp Level – Attenuate or amplify input signal. Unity is at approx. 12 o’clock.

# CONTROLS AND CONNECTIONS



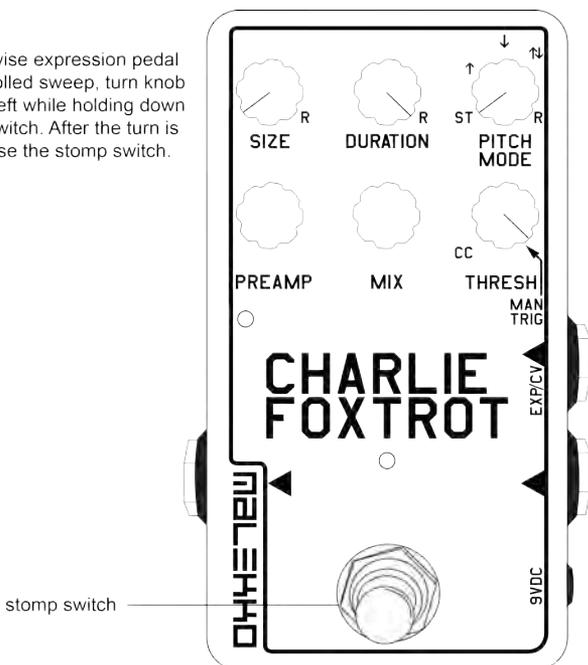
1. 9VOLT DC POWER JACK - only for use with standard 2.5mm neg-tip 200mA 9volt DC power supply.
2. STOMP SWITCH - Turns effect on or off. Also used to assign expression/cv control and assign filter type selection.
3. INPUT JACK - Connect instrument cable
4. MAIN LED - Effect on/off
5. EXPRESSION JACK INPUT - Connect expression pedal. Buffer/Granular SIZE, DURATION of repeats, PITCH MODE and THRESHOLD controls are all capable of being controlled by the EXP/CV input. You can choose any combination of these pots for external control (see expression control assignment instructions on pg. 4)
6. THRESHOLD – Set the threshold for auto-capture of input data. All the way clockwise is Manual Trigger Mode. In Manual Trigger Mode, hitting the stomp switch will activate the effect one time, based on your DURATION setting. With the knob all the way counterclockwise ("CC"), input will continuously capture at the end of each duration.
7. MIX - Dry/effect mix control
8. 4 PITCH MODES - ST or "Stutter" (no pitch modulation), "Up" arrow (pitch is modulated in the up direction with a randomized speed and amount of modulation, "Down" arrow (pitch is modulated in the down direction with a randomized speed and amount of modulation, "Both" arrows (pitch is modulated in both up and down directions with a randomized speed and amount of modulation) and R or "Random" (this mode selects between the first four modes at random, but biased toward Stutter)
9. DURATION - Adjustable or random repeat duration from approx. 100ms to 10 sec.
10. SIZE - BUFFER/GRAIN SIZE Adjustable or random buffer/grain size from approximately 200ms to 600ms
11. PREAMP - Input gain/attenuation. Adjust per clipping LED. Unity gain approx 12 o'clock
12. CLIP LED - Indicates input clipping. Adjustable with PREAMP control
13. OUTPUT - Connect to amplifier

# EXPRESSION PEDAL AND CV CONTROL

1. With the effect on, hold down the stomp switch.
2. While holding the stomp switch down, turn any (or a combination of all) of the following controllable effect knobs: BUFFER/GRAIN SIZE, DURATION, PITCH MODE and THRESHOLD. This will activate assignment to expression or cv control. You must turn a selected knob completely left to activate a clockwise sweep and completely right to activate a counter-clockwise sweep.
3. Release the stomp and now the assignment has been made; this assignment will stay that way until you change it, regardless of unplugging the power or not. Your expression pedal or cv input will now adjust the selected controls.
4. You can define the range of effect assigned to the EXP/CV control by changing the knob setting. FOR INSTANCE: Starting at 12 o'clock, setting the knob counterclockwise (anticlockwise) to 7 o'clock will give you maximum positive sweep for that effect. Or Setting the knob clockwise to 2 o'clock will give you less overall negative sweep range for that effect.
5. A SETTING EXAMPLE: Hold down the stomp switch and turn the SIZE knob from a 12 o'clock position counterclockwise to the left. Release the STOMP. Now your expression pedal will control the size of the buffer, from short to long. Turning the knob setting toward 12 o'clock will now reduce the overall range of the EXP/CV sweep.

For a clockwise expression pedal or CV controlled sweep, turn knob all the way left while holding down the stomp switch. After the turn is made, release the stomp switch.

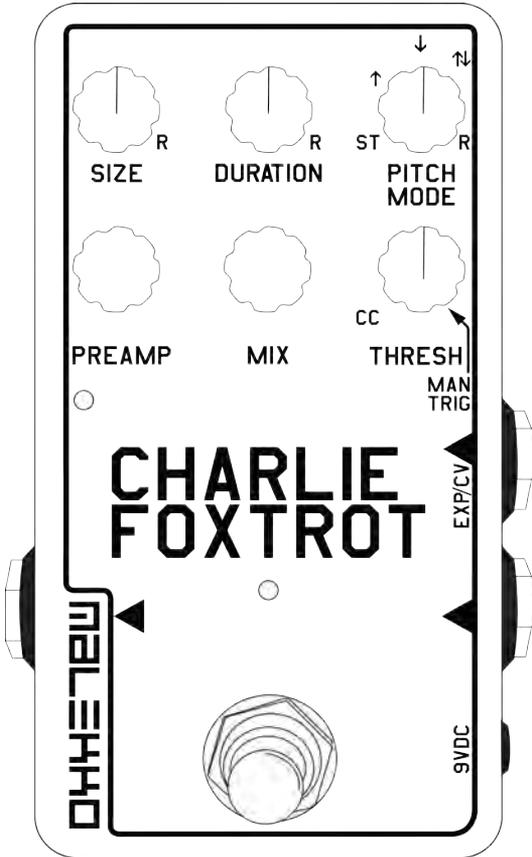
For a counter-clockwise expression pedal or CV controlled sweep, turn knob all the way right while holding down the stomp switch. After the turn is made, release the stomp switch.



# REMOVING AN EXPRESSION PEDAL AND CV CONTROL ASSIGNMENT

1. Hold down the stomp.
2. With the stomp down, turn the knob with the assigned setting to 12 o'clock.
3. Release the stomp. Now that parameter is no longer assigned to the EXP/CV control and it is in manual mode.

NOTE: Unplugging the EXP/CV input will put the pedal in manual mode, but the assignments stay until you zero them out.



## **BASIC OPERATION AND SAFETY**

1. Connect to an industry standard 9 Volt DC power supply! Incorrect voltage and AC power supplies will damage your pedal and void the manufacturer's warranty! We also recommend using our Malekko 9 Volt Wall Wart, available through our website.
2. Do not use this apparatus near water.
3. Clean only with dry cloth.
4. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
5. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
6. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
7. Unplug this apparatus during lightning storms or when unused for long periods of time.
8. No user serviceable parts inside. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
9. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
10. Refer to labels on the unit, including bottom cover, or other markings and pertinent information.

## **WARRANTY**

This product is covered by the Malekko Heavy Industry warranty, for one year following the date of purchase. This warranty covers any defect in the manufacturing of this product. This warranty does not cover any damage or malfunction caused by incorrect use – such as, but not limited to, power cables connected backwards, excessive voltage levels, or exposure to extreme temperature or moisture levels.

The warranty covers replacement or repair, as decided by Malekko Heavy Industry. Please visit our website [malekkoheavyindustry.com](http://malekkoheavyindustry.com) to obtain full warranty information and to register your product for coverage.