

# GAIN BOX — USER MANUAL

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**OPFXS** — Multi-Channel Analog Distortion Pedal

rev.01 - 21<sup>st</sup> March 2026

## 1. Introduction

Gain Box is a compact, digitally-controlled analog gain platform designed to give you instant access to four fully independent gain stages: **Dry**, **Fuzz**, **Overdrive**, and **Distortion**. Each stage can be activated individually or combined, and the routing can be switched between **Parallel** and **Series** for radically different textures.

The pedal supports **full MIDI control**, allowing preset recall, channel toggling, and parameter automation.

## 2. Connections

- **Input** — Standard ¼" instrument input
- **Output** — Standard ¼" output
- **Power** — 9V DC, center-negative, 100mA minimum
- **MIDI In** — 3.5mm TRS MIDI Type A (official MIDI standard)

## 3. Channels Overview

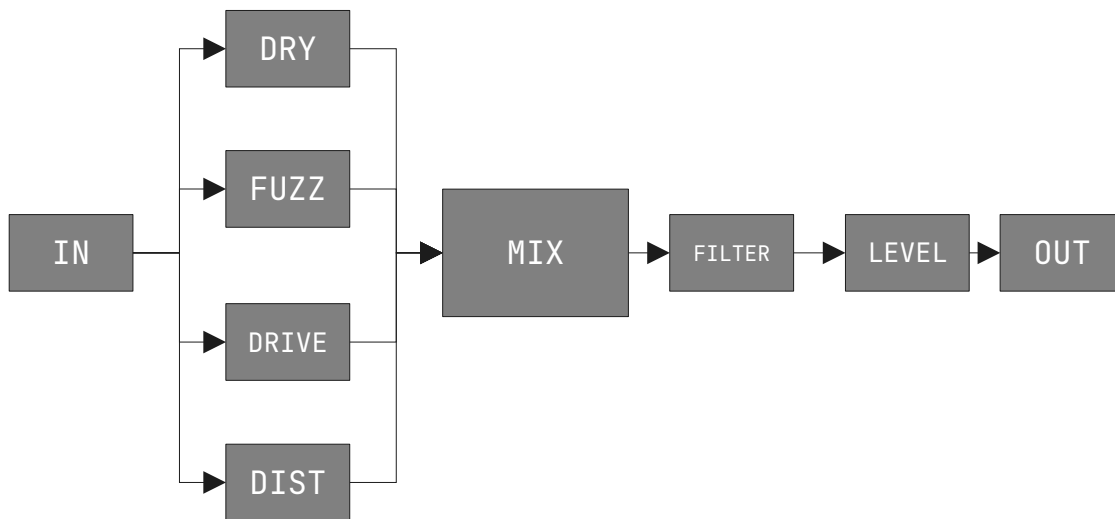
Channel	Description
<b>Dry</b>	Clean, unprocessed signal.
<b>Fuzz</b>	High-gain, saturated fuzz voice.
<b>Overdrive</b>	Mid-gain, dynamic overdrive.
<b>Distortion</b>	High-gain distortion with tight response.

## 4. Routing Modes

Long press bypass footswitch to toggle between Parallel (Green LED) and Series (Red LED)

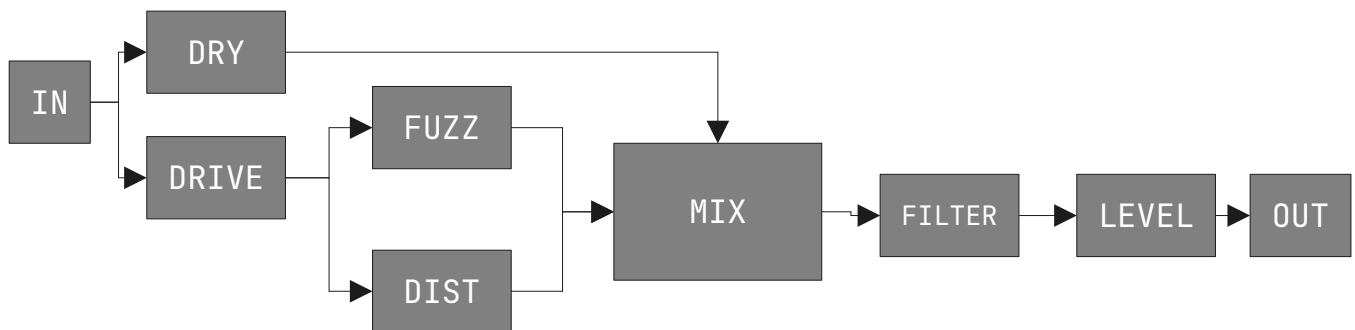
### Parallel Mode

All active channels run side-by-side and are mixed at the output.



### Series Mode

Input signal goes to Drive channel and then to Fuzz and Distortion.



## 5. Presets

Gain Box stores **three internal presets**, each containing:

- Active channels
- Routing mode
- Filter setting
- Level setting

Presets can be recalled via Preset Footswitch or by MIDI Program Change.

To save a preset choose one of the 3 locations by short press of Preset Footswitch then long press Preset Footswitch until the preset LED blinks.

## 6. Power & Specifications

- **9V DC**, center-negative
- **150mA minimum**
- Use a high-quality isolated supply for best performance.

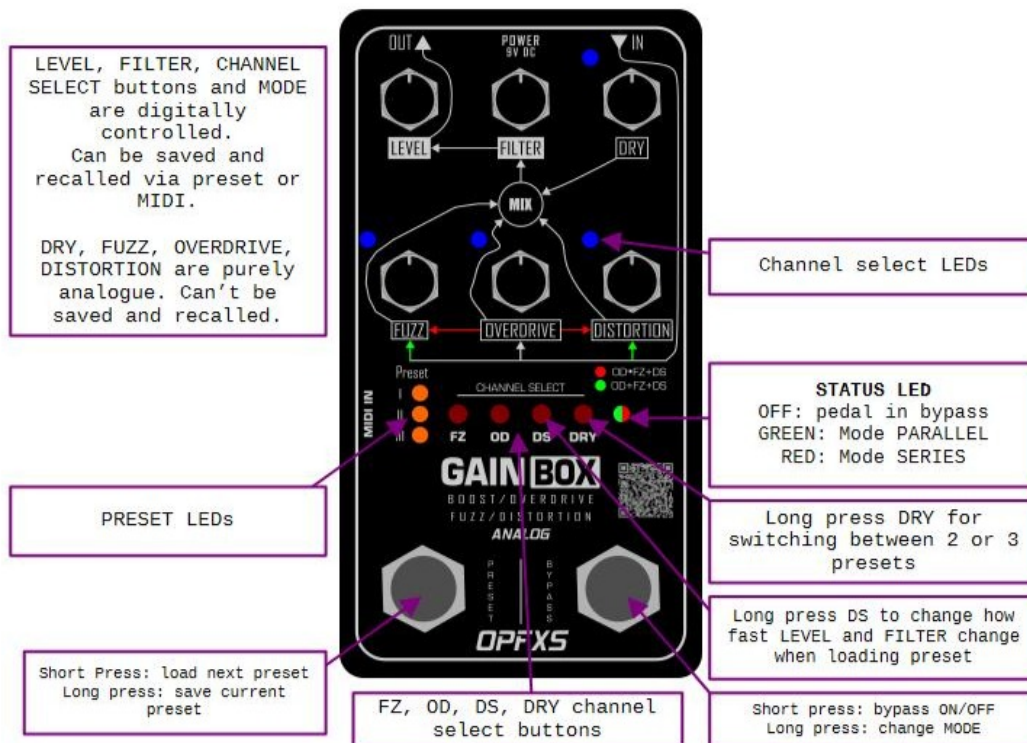
## 7. Warranty & Support

For assistance, contact:

### **OPFXS**

La Spezia, Italy  
+39 0187 1576128  
[info@opfxs.com](mailto:info@opfxs.com)

# GAIN BOX — QUICKSTART



## MIDI messages

Control Change Number	Data	Description
0	0-127	0 = Bypass ON 127= BYPASS OFF
1	1	Toggle bypass
2	1	Toggle Dry channel
3	1	Toggle Fuzz channel

4	1	Toggle Overdrive channel
5	1	Toggle Distortion channel
6	0-127	0=Dry channel OFF 127=Dry channel ON
7	0-127	0=Fuzz channel OFF 127=Fuzz channel ON
8	0-127	0=Overdrive channel OFF 127=Overdrive channel ON
9	0-127	0=Distortion channel OFF 127=Distortion channel ON
10	1	Toggle Series/Parallel mode
11	0-127	0=Parallel 127=Series
12	0-127	Filter
13	0-127	Level
<b>Program Change Number</b>	<b>Data</b>	<b>Description</b>
0	–	Load Preset 1
1	–	Load Preset 2
2	–	Load Preset 3