ENGL
Fireball
IR
Operator´s Manual

INTRODUCTION

The ENGL Fireball IR preamp pedal is a versatile 2 channel pedal based on the renowned ENGL Fireball amp, allowing for independent knob settings for each channel. It features a built-in MID BOOST function that can be toggled on/off by pressing the Bypass, as well as a built-in NOISE GATE with adjustable threshold.
Additionally, this pedal comes with a USB-C IR loader with 3 selectable program slots, a headphone output for silent practice, and a dedicated PC software for managing IR cabinet files, making it a powerful tool for guitarists looking to shape their tone with precision.
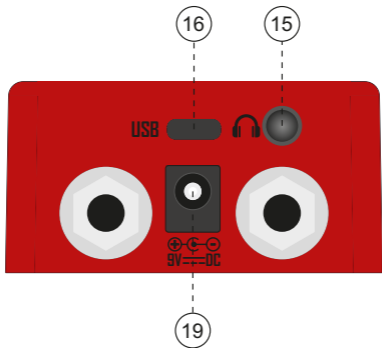
FEATURES

- 2 channel preamp pedal based on the ENGL Fireball amp
- knob settings remain saved independently for each channel
- built-in MID BOOST function, pressing the Bypass to toggle ON/OFF
- built-in NOISE GATE with adjustable threshold
- built-in USB-C IR loader with 3 selectible program slots
- headphone output
- dedicated software for IR cabinet files management

1. **BASS knob:**
   Adjusts low frequencies

2. **MIDDLE knob:**
   Adjusts mid frequencies

3. **TREBLE knob:**
   Adjusts high frequencies

4. **VOLUME knob:**
   Adjusts output volume

5. **GAIN knob:**
   Adjusts gain

6. **PRESENCE knob:**
   Adjusts presence

7. **NOISE GATE knob:**
   Adjusts the NOISE GATE threshold

8. **IR selector:**
   Selects among 3 IR file loading slots

9. **IR OUTPUT button:**
   Toggles the cabinet simulation on the output jack ON/OFF

10. **MID BOOST button:**
    Activates/deactivates the MID BOOST function

11. **CHANNEL footswitch:**
    Switches between clean and lead

12. **BYPASS/MID BOOST footswitch:**
    Toggles the preamp effect ON/OFF. Activates/deactivates MID BOOST function when MID BOOST button is engaged

13. **CHANNEL footwitch LED**

14. **BYPASS/MID BOOST LED**

15. **Headphone jack:**
1/8" TRS headphone output

16. **USB port:**
Type-C USB for connecting to PC software to import/replace or delete IR cabinet files

17. **INPUT jack:**
1/4" unbalanced mono input

18. **OUTPUT jack:**
1/4" unbalanced mono output

19. **DC IN port:**
Use a compatible 9V power adapter (300mA, center negative)

CHANNEL SWITCHING:

Step on the CHANNEL footswitch to switch between the clean and lead channel. A blue LED indicates the clean channel, red LED indicates the lead channel.

PARAMETER ADJUSTMENT AND SAVING:

While the effect is active, rotate the knobs on the panel to adjust the designated parameters of the current channel.

After adjusting parameters, parameter values are automatically saved even after switching to other channels, pressing BYPASS to turn off the effect, or unplugging the power cord to power it off. When switching back to that channel, the saved parameter values will be recalled.

CABINET SIMULATION:

The Fireball IR has a built-in cabinet simulation that can be enabled or disabled globally.

Press the IR OUTPUT button on the panel to toggle the cabinet simulation. A constant red LED on the button indicates cab sim on, and LED indicates off for cab sim off.

Toggle the IR selector in the center of the panel to switch between three different IR cabinet files.

FACTORY IMPULSE RESPONSES

Up Position: ENGL E212VHB V30

Middle Position: ENGL E412VSB V30

Down Position: ENGL E412XXL V30

PC FIREBALL IR SOFTWARE

Use the PC Fireball IR software to manage the three built-in IR files of the Fireball IR.
Downloading the Software:

Visit the official website at **www.engl-amps.com**, find the product page for the Fireball IR, and download the installer for your operating system (Windows or MacOS).

CONNECTING THE SOFTWARE:

After installing the software, connect the Fireball IR to your computer using a USB cable, and open the software by clicking on its icon.

USING THE SOFTWARE INTERFACE:

In the software interface, USER 1/2/3 correspond to the three IR file slots on the Fireball IR panel. Each slot displays the name of the currently loaded IR file.
Click the „+" on the right side of the interface to open a system dialog where you can choose and load an IR file according to your needs. Click „-" to remove the IR file currently in the slot.

TECHNICAL SPECIFICATIONS

Input: 1/4" unbalanced mono input jack (4.7M Ohms)
Output: 1/4" unbalanced mono output jack (100 Ohms), 1/8" TRS headphone output jack (32 Ohms)
Number of Preamp Channels: 2
IR File Loading Slots: 3
IR File Format: .wav
IR Sampling Specifications: 44.1 kHz / 24 bit / 2048 points
Signal-to-Noise Ratio: 94dB
Power Requirements: 9V DC 300mA (center negative)
Dimensions: 118×65×54.5 mm
Weight: 0.318 kg