

FULL ENGLISHTM

User's Manual



This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

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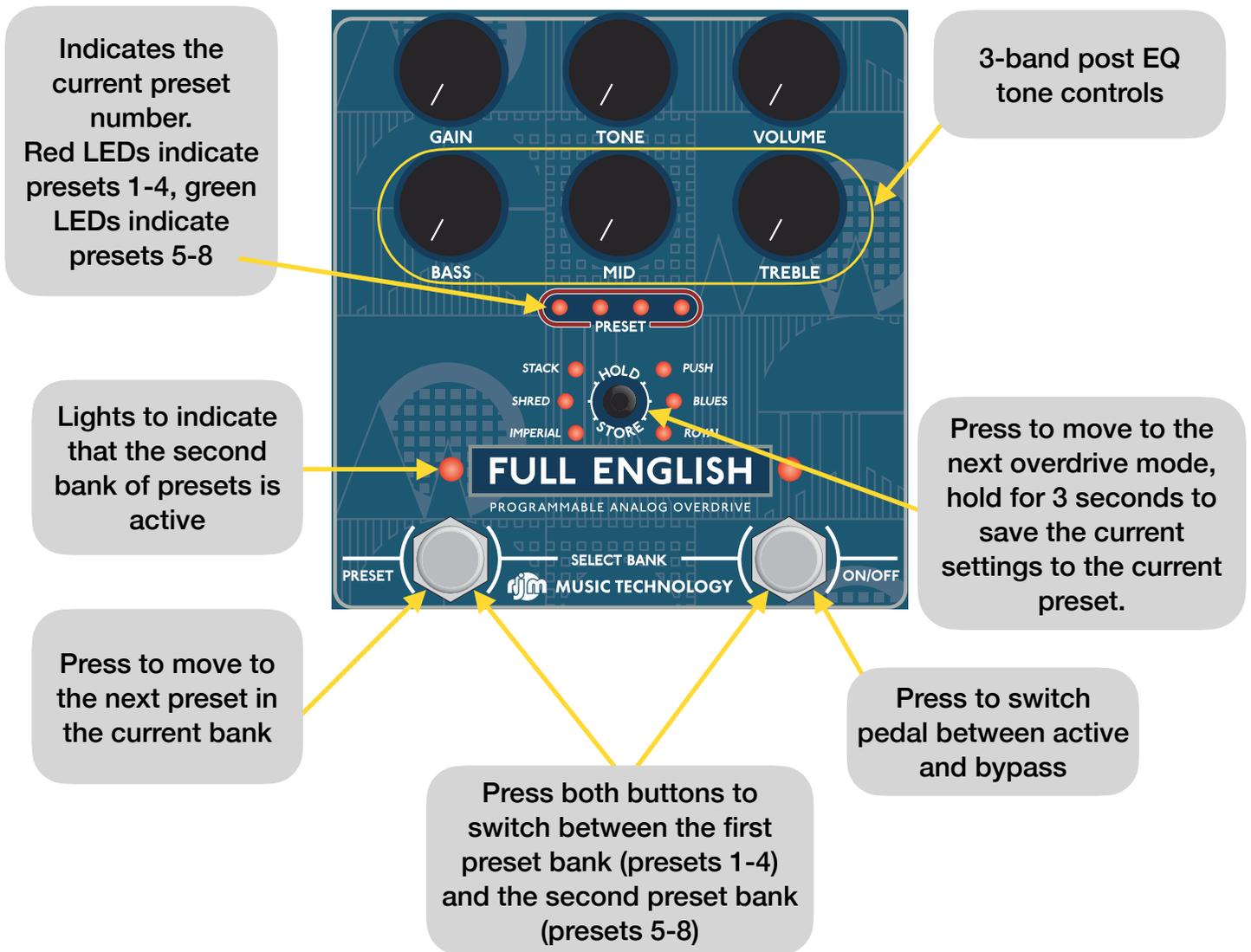
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INTRODUCTION

Thank you for purchasing a Full English pedal! The Full English is a fully programmable overdrive pedal with multiple modes that can deliver familiar tones from classic and boutique pedals as well as some new sounds. The Full English's signal path is 100% analog, never digitizing your tone! High quality components are used throughout, and the pedal's power supply is boosted internally to give you the best response and overall tone.

On its own, you can program up to 8 presets and recall them with the press of a button. If you add a MIDI controller to your setup, you can access up to 100 presets. The Full English can connect to other devices via its standard 5-pin MIDI jacks or its USB-C connector.

THE BASICS



FRONT PANEL CONTROLS



GAIN - Adjusts the gain for the overdrive circuit.

TONE - High-cut tone control. This tone control is in the overdrive circuit and has the most effect on the texture of the overdrive.

VOLUME - Adjusts the overall output volume. Different overdrive modes have different maximum volume levels.

BASS - Active bass control, located after the overdrive circuit. 12 o'clock is flat response, to the left is cut and to the right is boost.

MID - Active midrange control, located after the overdrive circuit. 12 o'clock is flat response, to the left is cut and to the right is boost.

TREBLE - Active treble control, located after the overdrive circuit. 12 o'clock is flat response, to the left is cut and to the right is boost.

Preset LEDs - The row of 4 LEDs below the **MID** knob indicates the current preset. 1 LED will light for preset #1, 2 LEDs will light for preset #2, etc. The LEDs will change colors to indicate different banks of presets. For example, presets 1-4 light up in red, and presets 5-8 light up in green.

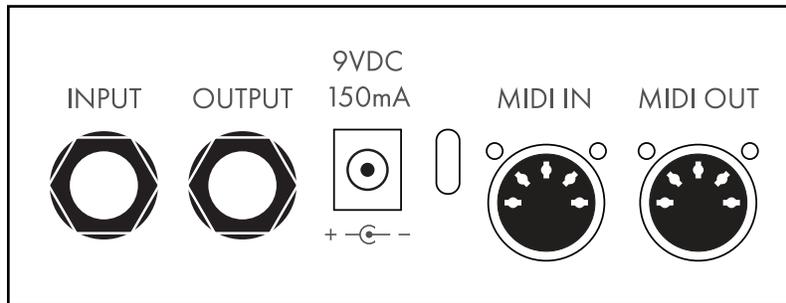
MODE Button - Selects the overdrive mode. Press to change to the next overdrive mode. Hold for 3 seconds to store the current settings to the currently selected preset. Storing a preset saves all knob and button settings except the **ON/OFF** button.

PRESET Footswitch - Moves to the next preset in the current bank.

ON/OFF Footswitch - Press this button to switch the pedal on or off. When off, the pedal uses a relay for true bypass, allowing your tone to pass through transparently. The LED above turns red when the pedal is active, and yellow when the current preset has been edited.

NOTE: Press both the **PRESET** and **ON/OFF** footswitches at the same time to switch from the first bank to the second, or vice-versa. For example, if you are in preset #1 (shown as 1 red LED), then press PRESET, the display will switch to show 1 green LED, indicating you're on preset #5. Pressing it again will go back to preset #1.

REAR PANEL CONNECTIONS



INPUT - A mono 1/4-inch input for your guitar.

OUTPUT - A mono 1/4-inch output to go to your amp.

Power input - The pedal requires a 9VDC power supply providing 150mA or more of current, with a 5.5mm/2.1mm “BOSS-style” barrel connector. Center negative polarity is required.

USB - The connector between the power and **MIDI IN** jacks is a USB C connector. This allows you to connect this pedal to your computer, phone or tablet using the appropriate cable. The pedal will appear as a MIDI device in any MIDI enabled app. The Full English will power itself from some USB ports, but using a 9VDC power supply is recommended when using USB for the most reliable results.

MIDI IN - Standard 5-pin MIDI input for connection to a MIDI controller.

MIDI OUT - Standard 5-pin MIDI output for connection to the next MIDI device in the chain.

OVERDRIVE MODES

Push - This mode is a clean boost that’s designed to push the front end of an amp. It has a high maximum output level.

Blues - Inspired by a British low to medium gain pedal from the 90’s that’s gained in popularity over the years.

Royal - Based on a very popular boutique modification of the “Blues” pedal above, it has a slightly different frequency response and overdrive characteristic.

Imperial - A higher gain version of Royal, using hard clipping instead of soft clipping.

Shred - A high gain, compressed distortion mode designed for soloing. Great for 80’s shred and beyond!

Stack - A big sounding distortion mode, more open and dynamic than Shred, designed to sound like a high gain amp.

USING PRESETS

Programming Presets

The preset programming process is fairly simple:

1. If needed, press the **PRESET** and **ON/OFF** buttons at the same time to select the bank of presets you want to work on (red bank = presets 1-4, green bank = presets 5-8)
2. Press the **PRESET** button to select a preset within the current bank. Press repeatedly until you reach the desired preset.
3. Now adjust the controls to get the sound you're looking for.
4. Hold the **MODE** button for about 3 seconds, until the Mode LEDs flash.

Your preset is now stored. You can repeat this process to set up each preset.

Writing to a Different Preset

You can also write your current settings to a preset other than the currently selected one:

1. Press and hold the **MODE** button. It needs to be held throughout this process.
2. Before 3 seconds have elapsed, press the **PRESET** button to start preset selection. The pedal will move to the next preset and the LEDs will start flashing.
3. Press the **PRESET** button repeatedly until you reach the desired preset. You can select any of the available presets (1-4 in bank 1, and 5-8 in bank 2).
4. After 3 seconds of no buttons being pressed (except the **MODE** button, which is being held), the current settings will be stored to the currently selected preset.
5. If at any time you release the **MODE** button before the preset is stored, this process will be cancelled.

Recalling Presets

Recalling presets is even easier! Simply press the **PRESET** button to switch to the next preset. Pressing it repeatedly will advance through the 4 presets in the current bank.

Pressing the **PRESET** and **ON/OFF** buttons together will switch between the first bank (presets 1-4, red LEDs), and the second bank (presets 5-8, green LEDs)

Using a MIDI Controller

You can also use a MIDI controller to select presets. This allows you to select up to 100 individual presets. To store and recall presets, use the above instructions, but instead of using the **PRESET** and **ON/OFF** buttons, select presets using your MIDI controller. More details on MIDI using can be found in the next section.

MIDI USAGE

Program Changes

The Full English responds to standard MIDI program changes on its specified MIDI channel. Please refer to the Setup Mode section for details on how to set the MIDI channel. PC numbers 0 through 99 are accepted, for a total of 100 presets. Receiving PC#127 will cause the Full English to bypass itself. After bypassing the Full English using this method, the next PC message received (in the range of 0-99) will re-activate the pedal.

Please note that PC numbers are one lower than preset numbers on the Full English. For example, send PC#0 to recall the first preset, send PC#1 to recall the second preset, etc.

Continuous Controllers

By default, the following CC numbers are defined. These numbers can be changed by the user using the editor software.

Function	CC Number	Notes
Expression Pedal	4	See Expression Pedal section
Volume	7	Value 0=0% volume ... 127=100% volume
Expression Volume	11	Value 0=0% volume ... 127=current volume knob setting
Drive	12	
Bass	13	
Mid	14	
Treble	17	
Tone	19	
Active	102	Value 0-63 = pedal bypassed, 64-127 = pedal active
Drive Mode	104	0-20: Clean Boost 21-41: Classic 42-62: Boutique 64-84: Versatile 85-105: Smooth 106-127: Crunch
Bank	105	Value 0-63 = first bank (presets 1-4) Value 64-127 = second bank (presets 5-8)
Preset -	106	Any value: move down one preset
Preset +	107	Any value: move up one preset

MIDI EXPRESSION PEDAL SETUP

The Full English supports the use of a MIDI-connected expression pedal. Incoming “Exp Pedal” CC messages will change the values of one or more of the knobs. CC#4 is the default CC number for the expression pedal.

Programming the Expression Pedal Limits

Press the **ON/OFF** and **MODE** buttons. The left side **MODE** LEDs will light up:



Using the knobs, set up your tone for the “heel down” position of the expression pedal. (This is also the tone you will get for the minimum CC value of 0).

Next press the **MODE** button. The right side LEDs will now light up:



Set your knobs the way you want them to be in the “toe down” position of the expression pedal. (This is also the tone you will get for the maximum CC value of 127).

You can repeat this process, pressing **MODE** to switch back and forth between the heel down and toe down position. You can test your settings in real time by moving your expression pedal, or any other method of sending CCs to the Full English. The parameter settings will smoothly transition between their heel down and toe down settings as you move the expression pedal.

Saving the Expression Pedal Settings

Once you’re satisfied with your settings. Press **ON/OFF** to store your settings to the current preset. Or, you can press **PRESET** to cancel expression pedal editing and discard your changes.

SETUP MODE

Entering Setup Mode

To enter setup mode, hold the **ON/OFF** button as you power up the pedal. The mode LEDs will spin for 3 seconds. Keep holding until the LEDs stop spinning and all light up in green.

Once in setup mode, you can change these parameters:

Default Bypass State

Press the **PRESET** button to turn it on or off. If the **PRESET** button is on, the pedal will power up in the active state. If the button is off, it will power up in the bypassed state. The default is to power up in the bypassed state.

Setting MIDI Channel

Press the **MODE** button repeatedly to select a MIDI channel. The current MIDI channel is indicated by the four preset LEDs using the following code:

MIDI Channel	LED 1	LED 2	LED 3	LED 4
1 (default)	off	off	off	off
2	ON	off	off	off
3	off	ON	off	off
4	ON	ON	off	off
5	off	off	ON	off
6	ON	off	ON	off
7	off	ON	ON	off
8	ON	ON	ON	off
9	off	off	off	ON
10	ON	off	off	ON
11	off	ON	off	ON
12	ON	ON	off	ON
13	off	off	ON	ON
14	ON	off	ON	ON
15	off	ON	ON	ON
16	ON	ON	ON	ON

Selecting Preset and Bank Mode

You can turn the **GAIN** knob in setup mode to change how the footswitches select presets and banks. As you turn the **GAIN** knob, the **ON/OFF** LED will change colors. Each color means a different mode:

Blue - Indicates Bank mode. Pressing the **PRESET** button switches between two banks of presets, and pressing both footswitches together switches to the next preset in the current bank.

Purple (*default*) - Indicates Preset mode. This is the opposite of Bank mode. Pressing **PRESET** switches to the next preset in the current bank. Pressing both footswitches together switches between the two banks of presets.

White - Indicates Flat mode. In this mode, pressing **PRESET** switches to the next preset. If the pedal is on the last preset of a bank, it will switch to the next bank, and if it's on the last preset of the last bank, it will switch back to preset 1. Pressing both footswitches at the same time has no effect. This mode allows you to select 8 different presets, but that limit can be changed using the RJM Pedal Editor app.

Factory Reset

You can return your Full English to factory settings by holding the **PRESET**, **MODE** and **ON/OFF** buttons while in setup mode. The LEDs will flash red and yellow. If you hold the buttons for 3 seconds, the LEDs will stay on continuously and the factory reset will begin. The process takes about 10 seconds, at which point the Full English will enter the normal operating mode with the factory settings.

MIDI Cable Tester

The Full English also features a built-in MIDI cable tester. To test, plug your MIDI cable into the **MIDI IN** and **MIDI OUT** jacks. Hold the **MODE** button (when in setup mode). After a few seconds of holding, some of the **MODE** LEDs should start flashing. The meaning of the flashes are as follows:

STACK flashes yellow - the primary MIDI wires are good. This means that pins 4 and 5 are connected properly from one end to the other. This is the minimum needed for a functional MIDI connection. If this LED doesn't flash, the cable is bad.

PUSH flashes yellow - the secondary MIDI wires are good. This means that pins 1 and 3 are connected properly from one end to another. These secondary wires are used for bidirectional communication, primarily between RJM Music products. 3-pin active MIDI cables will not flash the **PUSH** LED. For standard (uni-directional) MIDI connections, the secondary wires are not needed.

If both the **STACK** and **PUSH** LEDs alternate flashing yellow, the cable is a properly working 5-pin active MIDI cable.

If all of the **MODE** LEDs turn off and don't flash, the cable is not working.

If either the **STACK** or **PUSH** LEDs flash red, the MIDI data is getting corrupted. Your MIDI cable is likely intermittent.

Once you release the **MODE** button, the Full English returns to setup mode.

Leaving Setup Mode

Press the **ON/OFF** button to save your changes and exit setup mode.