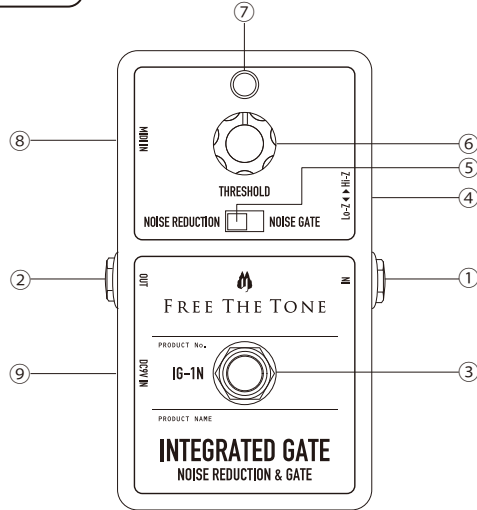


INTEGRATED GATE/IG-1N

User's Guide

Thank you for choosing a Free The Tone product. Please read this user's manual thoroughly to ensure that you'll benefit fully from the advanced features, performance, and reliability your Free The Tone product is designed to provide.

About the Product



① IN Terminal

Receives signals from a device or musical instrument such as guitar/bass, effect unit, etc.

② OUT Terminal

Outputs signals to a device such as an effect unit or amplifier.

③ ON/OFF Footswitch

Pressed to turn on/off the effect. The EFFECT ON LED (7) illuminates when on.

④ Lo-Z/Hi-Z Select Switch

Used to select input impedance. The input impedance can be selected between 800 k Ω (called Hi-Z) and 300 k Ω (called Lo-Z). If you are not sure which impedance to set, select the impedance that sounds most natural while alternating between the two positions. If impedance matching is not achieved, the bass may be cut off or the treble may be emphasized.

⑤ NOISE REDUCTION/NOISE GATE Select Switch

Used to select the operation mode of the unit.

Noise Reduction Mode: When the level of the input signal becomes lower than the set threshold value, the noise reduction circuit starts to lower the output level and adjusts the attenuation of the sound.

Noise Gate Mode: Mutes the input signal when the input signal level becomes lower than the set threshold value.

⑥ THRESHOLD

Adjusts the signal level that triggers the noise reduction or noise gate operation.

⑦ EFFECT ON LED

Illuminates when the effect is on. The LED color is blue in Noise Reduction mode and red in Noise Gate mode.

This LED has a function to show monitored battery voltage and starts flashing if the voltage becomes lower than about 6 volts. The effect sound is output even in this state, but the operation will stop after about 1 hour (with an alkaline battery) from the start of the LED flashing.

We recommend replacing the battery as soon as possible.

NOTE: No battery is supplied with this product. Please prepare a suitable one separately if necessary. With a new alkaline battery, the unit operates about 15 hours.

⑧ MIDI IN Terminal

Receives MIDI signals. The optional CM-3510-TRS MIDI cable can be used.

The effect can be turned on/off by receiving the following MIDI signal:

Control Change Number 64, Value: OFF=0~63 / ON=64~127

⑨ DC9V IN Terminal

Terminal to connect an AC-DC adapter. Accepts a standard 5.5-mm x ϕ 2.1-mm plug. Use an AC-DC adapter with regulated 9-VDC output, center minus polarity, and power supply capability of higher than 35 mA.

How to Setup MIDI Channel

While the unit is not powered, set the NOISE REDUCTION/NOISE GATE select switch to the Noise Reduction position. Then turn on the power to the unit while pressing down the ON/OFF footswitch. The EFFECT ON LED illuminates in green and the unit is in MIDI Channel Setup mode. Each press of the ON/OFF footswitch selects the following settings in order:

One flash in green: MIDI channel 1 is selected

Two flashes in green: MIDI channel 5 is selected

Three flashes in green: MIDI channel 10 is selected

Flashing in blue: OMNI mode is selected (all MIDI channels will be received)

Flashing in red: OFF (no MIDI signal received)

By switching from Noise Reduction mode to Noise Gate mode, the MIDI channel setting is saved and the unit enters normal operation mode.

Main Specification

- Input impedance: min. 800 k Ω (Hi-Z), min. 300 k Ω (Lo-Z)
 - Output load impedance: min. 10 k Ω
 - Max. input level: +15 dBu
 - Controls: NOISE REDUCTION/NOISE GATE select switch, ON/OFF footswitch, EFFECT ON LED, THRESHOLD knob, Input impedance select switch (Hi-Z/Lo-Z)
 - Terminals: 2 x 1/4-inch standard phone jacks (input, output), DC9V input jack (for AC-DC adapter), 3.5-mm stereo mini phone jack (MIDI IN)
 - Power supply: 9-volt PP3 battery, 9V DC center negative polarity
 - Current consumption: 35 mA
 - Dimensions: 72(W) x 115(D) x 50(H) mm (incl. protrusions such as footswitch, jacks, etc.)
 - Weight: approx. 190 g (excl. battery)
 - Accessories: Warranty card, Website access card, Safety Precautions, 4 x rubber feet
- NOTE:** Specifications and appearance subject to change without notice.

<Handling Precautions>

- Never connect or disconnect plugs to/from the input/output terminals on the INTEGRATED GATE when the external device that drives speakers is powered. Doing so can cause noises and damage the speakers.