HARMONICS

PREMIUM GUITAR EFFECTS

MODERN MOJO DEFINED™

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MURANO

The MURANO is a true-bypass overdrive with 4 simple controls:

- GAIN
- LEVEL
- BASS
- TREBLE

The GAIN knob controls the amount of gain and overdrive. Starting from fully counterclockwise, the sound has less overdrive and there is little breakup. As you turn it clockwise, there is more overdrive. This overdrive concentrates more on the low to medium ranges, so the GAIN knob is fine tuned to this range. Only as you turn it past 3 o'clock will you hear more compression and sustain.

The LEVEL knob controls the overall volume level. Unity gain is approximately at noon. This unit is not designed to have an extreme amount of output, and is fine tuned to a range plus and minus near unity. The output impedance is adequate however to serve as a good buffer.

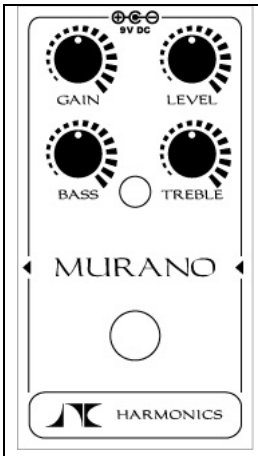
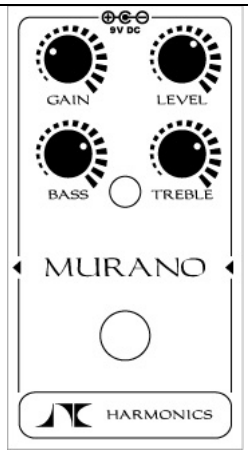
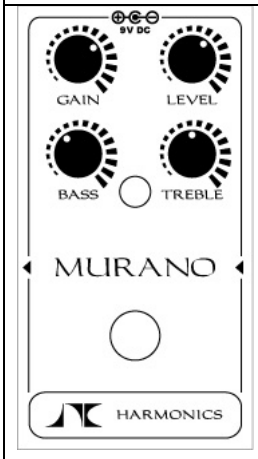
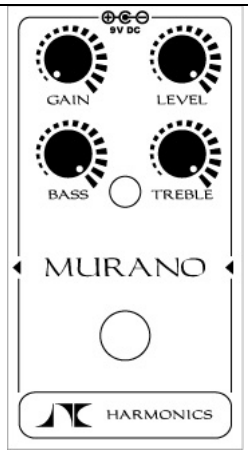
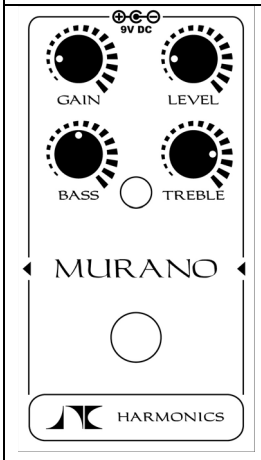
The BASS control controls the bass content. Fully clockwise increases bass content. It can be used effectively in reducing muddiness in bass-heavy content when the GAIN is turned up. Fully CW enables a flatter response in the bass and midrange region.

The TREBLE control controls the amount of high frequency content. Fully counterclockwise has the treble rolled off, while fully clockwise opens the frequency spectrum up. This control is useful for taming high frequency content that may sound too fuzzy or harsh. Fully CW enables a flat response well past guitar frequencies.

All JTK Harmonics pedals feature true-bypass switching (no buffers) and fully enclosed Switchcraft 1/4" photo input and output jacks. When an input cable is inserted and a battery is present, the circuit is switched on. The LED indicator is only an effect/true-bypass indicator and does not indicate power on.

The DC power jack is a standard BOSS-style 2.1mm center negative jack at the top of the unit. When a DC power plug is inserted, the circuit automatically switches the power from the battery to the DC jack. If there is power available, then the unit will be switched on. If there is no power, the unit will be off. This operation is important to know while the pedal exists on a pedalboard. If all the pedals are connected via DC power, simply turning off the DC power will power down the pedals. Any pedals in the chain that only use battery power must have their input cable disconnected else they will remain on and eventually drain the battery. The battery is changed by removing the lid and attaching the battery to the 9V T-style battery connector.

SAMPLE SETTINGS

	GAIN Noon LEVEL Noon BASS Noon TREBLE Noon You should start at this position. It yields a very crisp and clear overdrive with sweet overtones.		GAIN 10am LEVEL 1pm BASS 2pm TREBLE 2pm Less gain yields dirty boost-like tones. As you lower the GAIN, increase BASS and TREBLE to retain the overdrive clarity.
	GAIN 2pm LEVEL 1pm BASS 11am TREBLE Noon Increasing the GAIN past 1pm kicks in more sweet overdrive, with more compression and sustain. Backing off the BASS reduces any possible woofy or muddy tones.		GAIN MIN LEVEL MAX BASS MAX TREBLE MAX This setting enables a flat frequency response medium boost, with only a slight hint of sweet overdrive. This is a sweet and slightly dirty boost.
	GAIN 9am LEVEL 9am BASS Noon TREBLE 3pm Try using this setting for rhythm playing. Engaging the pedal drops the volume level from unity (opposite from a boost) while keeping the clarity of your tone intact.		