

Roland®

VT-1 Voice Transformer

Need a change of voice?

BOSS introduces the VT-1 Voice Transformer, which does exactly what it says. The VT-1 gives you total control over your voice - timbre, tone, pitch ... everything. Independent control over pitch and formant make this possible. Just listen to what it can do. Essential to voice processing, the VT-1 offers high-quality digital stereo reverb. Apart from being the ultimate DJ effects unit, the VT-1 will benefit virtually any application where signal manipulation is needed.

The user-friendly table-top design features four sliders and a Robot button for precise realtime adjustments.

Sliders

- * Pitch slider raises or lowers the fundamental note pitch.
- * Formant slider adjusts pitch of formant components, creating an effect virtually the same as changing vocal cords and the shape of the vocal tract.
- * Mix Balance slider allows mixing dry and effected voices.
- * Reverb slider adds stereo reverb equivalent to high-quality dedicated units.

Buttons

- * As you may have suspected, the Robot mode changes your voice into a robot's (like the classic Sci-Fi movies) making the pitch of the input voice uniform and flat, thus creating a mechanical-sounding voice. Combine this with Pitch and Formant slider adjustments for astonishing vocoder effects.

Memory

- * Along with four preset Patches, there's an additional four user Patches. If you so desire, you can convert the presets into user Patches. Then simply call up a Patch to instantly change voices.

Perfect for any applications featuring voice.

Extremely useful for DJs, the VT-1 lets you configure user Patches with completely different voice characters and rapidly switch between them to take on different roles. The Robot button is perfect for use as a vocoder without a keyboard, so you can use it for DJing techno and dance music programs. The VT-1 is an ideal tool for broadcasting applications as well as for video narrations.

1. Can be used for transforming a man's voice to a woman's.



2. Lowering a man's voice by an octave. Can be used to make a woman's voice sound like a man's.
3. Centering the Mix Balance slider lets you mix a man's dry voice together with the same voice transformed into a woman's for a duet.

Other convenient features.

- * Compact and portable design.
- * Colorful eye-catching design.
- * A Remote jack for connecting footswitches like the FS-5L to switch the effected voice on/off while still accessing reverb.

What is a 'formant'?

The human voice consists of two different components. One is fundamental waves that are pitch-sensitive. The other is non-pitch sensitive fixed harmonics. The harmonics components that change along with vocal cords and with the physical shape of the vocal tract add distinctive characteristics to a person's voice and are called "formants." Conventional pitch shifters change formants as they alter pitch. So voices that are pitched higher narrow the voice range for "chipmunk" voices. Voices that are lower pitched will sound more like a "giant's" voice with a much wider range. With the VT-1's pitch slider, you can control pitch alone, without making formants change. The VT-1's formant slider works to effectively control the vocal cords and shape of the vocal tract. Therefore it is easy to change a male voice into a female or even a child's, yet sound absolutely natural.

Specifications

◆ Connector:	Input Mic Output Line Output R/L Remote Control AC Adaptor
◆ Switch:	Power Switch Bank Button Number Button x4 Write Button Bypass Button Robot Button
◆ Controller:	Input Level Knob Pitch Slider Formant Slider Mix Balance Slider Reverb Slider
◆ Indicator:	Peak Bank x2 (Preset/User) Number x4 Bypass Robot
◆ Power Supply:	9V DC : AC Adaptor
◆ Power Consumption:	300mA
◆ Dimensions:	178(W) x 161.5(D) x 52(H) mm 7(W) x 6-3/8(D) x 2-1/16(H) inches
◆ Weight:	480g / 1lb 1oz (excluding AC Adaptor)
◆ Accessories:	AC Adaptor(Roland ACI Series) Owner's Manual

* In the interest of product development, the specifications and/or appearance of this unit are subject to change without prior notice.