



TA-1VP

Vocal producer (powered by Antares)



The heart of any great song is a great vocal sound. The Tascam TA-1VP combines the world-renowned Auto-Tune Pitch Correction and TEC-Award-winning Microphone Modeler technologies with state-of-the-art vocal processing modules to give you everything you need to create stunning vocal tracks in any musical style.

Live or in the studio, the TA-1VP lets you instantly select from a large library of sounds. Factory presets are included for a wide variety of vocal styles and the interface makes it easy to create your own signature sounds. Given the power and flexibility of the processing modules, there is also a selection of presets for instrumental and percussion tracks available. And MIDI control in realtime makes the TA-1VP a perfect companion for automated mixing environments.

Main Features

- **Auto-tune real-time pitch correction**
 - EVO voice processing technology for enhanced tracking and correction capabilities
 - Correct the pitch of vocals (or solo instruments) in real time and without distortion or artifacts while preserving all of the expressive nuances of the original performance
- **Microphone modelling**
 - Give your vocal tracks the characteristics of a variety of high-end studio mics
 - Adjust the proximity effect associated with mic distance
- **Analogue tube modelling**
 - Give your vocals the warmth of a classic tube preamp
- **Variable knee compressor**
 - Manipulate the dynamics with a state-of-the-art dynamics processor
 - Threshold, ratio, attack and decay controls
 - Continuously variable knee characteristic
- **Downward expanding gate**
 - Use this gate with threshold and ratio controls to eliminate noise and breath sounds
 - Works independently of the compressor
- **Variable-frequency de-esser**
 - Tame the sibilance of vocals to match any performance
 - Controls available: Threshold, ratio, attack and decay as well as a variable-frequency highpass
- **Flexible parametric 2-band EQ**
 - Fine-tune your vocal sound with two independent bands of equalization
 - Select from 6 dB or 12 dB high or low cut, high or low shelving with variable slope, bandpass, notch and fully parametric peaking
- **Automatic mono or stereo double tracking**
 - Automatically mix a doubled track into the units main output or route it to a separate output for post-processing and mixing
- **Programmable settings**
 - Every parameter can be saved as a preset for instant recall
- **Factory presets for a wide variety of vocal styles**
 - An extensive collection of factory presets for a variety of vocal styles is included as standard
- **MIDI control in realtime**
 - Control every variable module parameter via MIDI continuous controllers for realtime automation
- **Really easy to use**
 - Quickly find the parameter you want
 - Virtually every major function is only a single button press away

Specifications

Modules	
AUTO-TUNE	Chromatic and 24 diatonic scales, all user customizable Retune speed Pitch detection sensitivity
MIC MODELER	
Source Mics, specific models	Shure SM58, Shure SM57, Shure Beta 58a, Shure KSM 32, Audio Technica 3035, Audio Technica ATM31, Audio Technica ATM41a, Audio Technica 4050, Rode NT1, Rode NT2, Rode NT3, CAD M177, CAD E200, CAD E350
Source Mics, generic models	Handheld Dynamic, Studio Dynamic, Wireless, Small Diaphragm Condenser, Large Diaphragm Condenser
Model Mics	Handheld dynamic, Studio dynamic, Small diaphragm condenser 1, Small diaphragm condenser 2, Large diaphragm condenser 1, Large diaphragm condenser 2, Large diaphragm condenser 3, Drum mic (kick), Drum mic (snare), Drum mic (cymbal), Telephone
Tube saturation drive	0–12 dB
COMPRESSOR	
Threshold	–36 dB to 0 dB
Ratio	1:1 to 99:1
Attack	1–200 ms
Release	1–200 ms
Knee	Continuously variable
GATE	
Threshold	–96 dB to 0 dB
Ratio	1:1 to 1:99
DE-ESSER	
Threshold	–60 dB to 0 dB
Ratio	1:1 to 99:1
Attack	1–200 ms
Release	20–2550 ms
Highpass frequency	2971 Hz to 20 kHz
PARAMETRIC EQ (2 independent bands)	6-dB Lowpass, 6-dB Highpass, 12-dB Lowpass, 12-dB Highpass, Bandpass, Notch, Low shelf (variable slope), High shelf (variable slope), Peaking, Double Tracking, Stereo or variable mono mix
Analogue audio inputs and outputs	
Mic input (Balanced)	XLR-3-31 (1: GND 2: HOT 3: COLD)
Input impedance	2.2 kOhm
Nominal input level (with PAD)	–48.3 dBu (0.003 Vrms) to –16.8 dBu (0.112 Vrms)
Nominal input level	–23.3 dBu (0.053 Vrms) to +8.2 dBu (1.992 Vrms)
Maximum input level	+8.2 dBu (1.992 Vrms)
Line input (Balanced)	6.3-mm TRS phone jack (Tip: HOT, Ring: COLD, Sleeve: GND)
Input impedance	10 kOhm
Nominal input level	7.5 dBu (0.327 Vrms) to 24 dBu (12.283 Vrms)
Maximum input level	24 dBu (12.283 Vrms)
Line output, Main (Balanced)	6.3-mm TRS phone jack (Tip: HOT, Ring: COLD, Sleeve: GND)
Output impedance	100 Ohm
Nominal output level	+4 dBu (1.228 Vrms)
Maximum output level	+20 dBu (7.75 Vrms)
Line output, Double Track (Balanced)	6.3-mm TRS phone jack (Tip: HOT, Ring: COLD, Sleeve: GND)
Output impedance	100 Ohm
Nominal output level	+4 dBu (1.228 Vrms)
Maximum output level	+20 dBu (7.75 Vrms)

Digital audio output

Digital output (coaxial)	RCA pin jack
Format	IEC 60958-3 (SPDIF)
Output impedance	75 Ohm
Output level	0.5 Vpp

Other inputs and outputs

MIDI input	5-pin DIN connector
Format	MIDI standard
MIDI output	5-pin DIN connector
Format	MIDI standard
Footswitch	6.3-mm TS phone jack

Audio performance

Input Analog Trim	0 dB to +30 dB
Frequency response	20 Hz – 20 kHz ± 0.5 dB (Mic in to Line out) 20 Hz – 20 kHz ± 0.2 dB (Line in to Line out)
S/N ratio (Mic input)	≥ 98 dB (Mic or Line in to Line out)
Total harmonic distortion	$\leq 0.01\%$ (Mic in to Line out) $\leq 0.008\%$ (Line in to Line out)
Dynamic range	≥ 120 dB (Line out)

Power supply and other specifications

Power supply	TASCAM PS-1225L AC adaptor (included)
Power consumption	4 W
External dimensions (W x H x D)	483 mm x 44 mm x 128 mm
Weight	2 kg
Operating temperature range	5–35 °C
Display	2 x 20 character LCD
Indicators	INPUT Level (LED x5) Output Level (LED x5) Tuning Correction (LED x4) Compression Gain Reduction (LED x5) De-esser Gain Reduction (LED x5)

Design and specifications subject to change without notice.

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