

VOICEPRO V1.20 ADDENDUM

Introduction:

This document is an addendum to the existing VoicePro v1.00 manual detailing new features and new factory presets available in software version 1.20.

New features and fixes

Overall pitch detection has been improved resulting in smoother pitch shifting in VirtuaLead and Harmony paths. This extends to the Inflection and Vibrato blocks as well.

Low frequency pitch detection extended for smoother shifting of deep input voices.

Faster preset loading

Extended Factory and Preset banks to 275 presets each.

Added 25 new Factory presets based on user requests.

Transducer routing change crossfade added. This silences an infrequent noise burst when changing the Transducer routing parameter.

Portamento in VirtuaLead pitch shift block improved when using MIDI to provide target notes.

Out-of-range pitch shift intervals that occurred when triggered by MIDI capped to prevent system slowdowns.

New Factory Presets 251-275

251. Go Deep 2

Browser Source - Speaking

Application - Pitch & Time

This preset uses pure instrumental (non-formant corrected) shifting for the smoothest downwards pitch shift possible at the expense, or the beneficial creation of, formant shifting artifacts. Voiceover customers wanted a recreation of high quality non-formant corrected pitch shifting sounds so they could growl and snarl into the product and have those non-pitched sounds be shifted as well.

252. Smooth Helium

Browser Source - Speaking

Application - Pitch & Time

This is similar to Go Deep 2 in that it uses pure instrumental shifting but it is intended to create the smoothest upshifts available today. The beauty of this preset is that sibilants, which normally sound heavily aliased when shifted up, sound more natural due to the fact that they are shifted a smaller interval than the pitched portion of the vocal sound. Also, TC-Helicon's high accuracy pitch detection and shifting algorithm yields a quality audio result.

253. Odd Crowd

Browser Source - Speaking

Application - Pitch & Time

This is a special FX preset designed for voiceover work that combines the Harmony and VirtuaLead shifting paths and the Inflection block to create a wide stereo "Monsters talking at a party" effect.

254. Talking At Once

Browser Source - Speaking

Application - Pitch & Time

The Inflection block creates a "second take" effect on the opposite side from the input voice.

255. Instant Crowd Walla

Browser Source - Speaking

Application - Pitch & Time

Feed in a voiceover track and out comes the sound of a crowd scene for movie soundtrack work. Two of the Edit Knobs are mapped to EQ gain to dull the High end of the two paths used to make the effect.

256. Radio DJ

Browser Source - Speaking

Application - Pitch & Time

The Transducer and Pitch Shift blocks are used to produce the sound of an announcer voice coming out of a radio. The hiss and hum can be reduced or increased with the Edit Knobs.

257. Face Lift 2

Browser Source - Speaking

Application - Pitch & Time

This preset is great for deepening spoken voice. It uses a small amount of downwards pitch shifting combined with formant manipulation to achieve a confidence-inspiring voiceover effect.

258. Speaker Phone

Browser Source - Speaking

Application - Transducer

This could be equally suitable for sung vocals or soundtrack work. It uses the Transducer block and a little bit of room ambience from the Reverb block. The Edit Knobs give you lots of control of distortion and band shape.

259. Phone Correction

Browser Source - Singing

Application - Correction

Appropriate for an interesting breakdown section in a pop song, this combination of hard correction and band-limited telephone effect can be set to the key and scale of the song using the Edit Knobs. You can soften the correction effect by turning the Attack Time setting to ~20 or so.

260. Rap Group

Browser Source - Singing

Application - Doubling

Not intended for singing! This preset is intended for

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shouted Rap-style vocals. The Inflection and Harmony blocks multiply a single rap voice to create a stereo group shout effect.

262. Breathy Correction

Browser Source - Singing

Application - Correction

You can use this preset for an “in your face” pop vocal treatment. Compression and de-essing are combined with breathiness and scale-based Pitch Correction all in one signal path.

263. Dialog Hesitation

Browser Source - Speaking

Application - Special FX

This hilarious preset will transform the most confident sounding voiceover or vocal into its opposite: hesitant and unsure sounding. The Edit Knobs allow even more extreme effects.

264. Mumbling Giant

Browser Source - Speaking

Application - Special FX

Over two octaves of downwards pitch shifting, the Inflection block and some Multi-FX create an unintelligible growl from any vocal input.

265. Inhuman

Browser Source - Speaking

Application - Special FX

Another mumbling Monster effect using pitch shifting and the Transducer block.

266. Highly Animated

Browser Source - Speaking

Application - Special FX

You can use this preset to create an excited mouse or chipmunk. The Inflection block creates the chirpy, excited effect and the Pitch block raises the pitch (or lowers it with a turn of an Edit Knob).

267. Excited Flea 2

Browser Source - Speaking

Application - Special FX

An alternate choice for voicing animated characters

268. Whisper Flange II

Browser Source - Singing

Application - Special FX

This could be used with singing or speaking voices. It turns any vocal into eerie whispering with a nice flange and delay effect.

269. Wacky Vibrato

Browser Source - Speaking

Application - Special FX

The four Edit Knobs allow plenty of control of pitch swoops and dives in this preset.

270. Kid Tube

Browser Source - Speaking

Application - Special FX

A fixed formant shift adds a youthful timbre to the voice that is placed in a notch filter-sounding tube.

271. Megaphone Growl

Browser Source - Speaking

Application - Transducer

This preset is good for creating a strained voice yelling through a powered megaphone or metallic speaker.

272. Soprano

Browser Source - Singing

Application - Character

The voice is shifted up by an octave with an operatic resonance and intense but realistic vibrato. This can turn a male vocal with sustained notes into a convincing soprano.

273. 3rds + Doubling

Browser Source - Singing

Application - Harmony

A nice combination of two harmony voices singing parallel thirds above and lead voice doubling. Remember to set the Key and Scale to match your song.

274. 3rds+5ths Doubling

Browser Source - Singing

Application - Harmony

Essentially the same as “3rds + Doubling” except featuring an added set of voices singing parallel 5ths. Thick and chewy.

275. Notes Gender Singers

Browser Source - Singing

Application - Harmony

This is a loose and lively Notes mode harmony program using many of VoicePro’s features at once. The lead voice has extensive processing including pitch correction, breath and resonance and the harmony voices have various gender assignments and humanization all run through the Reverb block.