

# VoiceLive 2 Version 1.2 Manual Addendum

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## Overview

This firmware update for VoiceLive 2 incorporates fixes, improvements and new features. This manual addendum outlines how to install the new version, addresses user preset concerns and provides detail on the new features.

## New features

Details can be found later in this addendum.

- o Rhythmic features added
- o Holding the Delay button can now set tap tempo
- o New Dual Mono output mode added
- o Dry voice latency reduced
- o Gender added to Doubling voices
- o More expression pedal parameters added
- o Added momentary on capability for Harmony and Doubling
- o Added guitar phase reverse
- o Lead voice level now adjustable in presets
- o Additional analog output level options in Setup

## Improvements and fixes

- o Digital output level increased by 9dB
- o Last preset recalled over power cycles
- o HardTune scale saved correctly on preset change
- o Guitar reverb style now unchanged by vocal preset changes
- o LEAD DELAY parameter in I/O tab of Setup working correctly
- o Transducer on/off switching corrected
- o Notes mode low input level performance improved

## Important: Before Installing the Update

If you have edited user presets and you want to keep them, you must back them up using the VoiceSupport application before installing the update. If you do not backup your presets they will be lost. This holds true for your Setup menu settings as well. Both of these data types can be easily backed up and restored using

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VoiceSupport and this procedure is detailed in this manual.

Also note that this update comes complete with a separate backup file containing example presets. When installed, the example presets are located in slots 390 to 400 in VoiceLive 2. If you want to hear examples of the new effects you can restore these after the firmware update. If you have user presets in this range you want to keep, please store them in the lower unoccupied preset numbers (205+) Currently, it's not possible to remap your presets other than by storing to alternate locations

## Backing Up User Presets and Setup

You will need the VoiceSupport application that came on the CD with your VoiceLive 2. If you need to install without the CD, VoiceSupport is available on the TC-Helicon website on the Products page.

1. Connect the USB cable from your computer to VoiceLive 2. Set the USB Control parameter in the

System tab of the Setup menu to On if it isn't already.

4. Run VoiceSupport. The blue icon at top right of the application should light and the text should read VoiceLive 2. If not, power cycle VoiceLive 2 and rerun the application.
5. Click the **BACKUP** tab. In the upper portion of this tab, **Backup | Presets and Data** you can pick the location folder and the type of backup you would like. If you have a small number of presets, it's easiest to back them up one at a time. If you have edited many presets, you can select the All Presets option.
6. Press the **BACKUP** button to send your presets and/or setup data to your computer. These will be saved in the folder you selected and you can move on to the firmware update.

## Installing the Firmware Update

As with the last procedure, you will need the VoiceSupport application installed on your computer.

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1. Connect the USB cable from your computer to VoiceLive 2. Set the USB Control parameter in the System tab of the Setup menu to On if it isn't already.
2. Ensure your computer is connected to the internet and run VoiceSupport. The blue icon at top right of the application should light and the text should read VoiceLive 2. If not, power cycle VoiceLive 2 and rerun the application.
3. Click the DOWNLOAD tab in VoiceSupport.
4. Click on the highlighted text "VoiceLive 2 1.2..."
5. Click Yes in the Software Update window. The update will complete automatically and when it's done, VoiceSupport will show a success message after VoiceLive 2 restarts. After restarting, it will initialize all presets and system settings to default settings.

### Restoring User Presets and Setup and Installing the Rhythmic Example Presets

Now that you've updated the firmware, you can proceed with restoring your user presets and setup. If you downloaded the example presets, you can also proceed with installing them.

1. Close VoiceSupport and run it again
2. Click the BACKUP tab
3. In the lower Restore area, select the type of data you will be restoring first: Presets or Setup.
4. Click Browse and locate the folder in which you saved your user presets and setup.
4. Press the RESTORE button.
5. Messages will show in VoiceLive 2's screen as the presets are received.
6. Repeat from #3 onward to restore the example presets and your setup data.

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## Tips on using the example presets

The example presets, are located in preset slots 390 to 400.

Tap tempo controls the Rhythmic features and you can now hold the Delay footswitch in any preset and tap in a new tempo. If you prefer to enter an exact tempo, this can be entered in the DELAY tab of the Edit menu by adjusting the TEMPO setting.

Currently, GLOBAL TAP TEMPO in the SYSTEM tab of the Setup menu is disabled so the tempo will revert to 120 BPM (programmed into each preset) as you change presets. You may want to turn GLOBAL TAP TEMPO on so your tapped tempo stays consistent over preset changes.

The Shortcut button is used to enable Rhythmic features in the example presets. Also note that example presets featuring panning effects may sound bland when VoiceLive 2 is set to mono output.

## New Features Detail

### Rhythmic features

Tap tempo, previously only used by the Delay effects, now also can control LFO-type waveform effects on the lead voice, harmonies and doubling voices. The parameters listed below are located in a new tab in the Edit menu called RHYTHMIC. All of the previously existing factory presets and any user presets you restored to the new version now have this menu tab. This means that Rhythmic features can be added to existing presets if you want.

STYLE - This is the same concept as the styles in the other Edit tabs. A style is a single collection of pre-authored settings that you can browse quickly instead of having to set a large number of parameters.

DEPTH - Sets the amount of effect that Rhythmic has on the Target.

TARGET - Sets what the Rhythmic modifies. These include:

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LEAD LEVEL,  
LEAD PAN,  
HARM PAN,  
L+H PAN.

GENDER, (Lead only)  
HARM LEVEL,  
L+H LEVEL (Lead and Harmony)

RHYTHM - Turns the effect on and off. Note that this can be assigned to the SHORTCUT button in the PRESET tab.

DIVISION - Breaks the beat up into multipliers and divisions of the tap tempo.

TYPE - Defines the rhythm. The single repeated waveforms range from SQUARE to SAMPLE AND HOLD. Following these are the synchopated 1 bar patterns. When a pattern is selected, the DIVISION value will go to N/A.

New SHORTCUT footswitch assignments have been added to the PRESET tab. These are:

RHYTHM  
SAMPLE  
COWBELL

RHYTHM MOMENT(momentary)  
SAMPLE MOMENT

## Rhythmic Sample feature

Divisions of the Tap Tempo beat can be repeated to create coarse-to-fine, short duration looping effects.

SAMPLE LOOP DIVISION - Sets the repeating length from quarter notes to finer resolutions.

1/4	1/4 TRIP	
1/8 DOT	1/8	1/8 TRIP
1/16 DOT	1/16	1/16 TRIP
1/32 DOT	1/32	1/32 TRIP

SAMPLE LOOP CAPTURE - Defines whether the sample is repeated from a point before the footswitch is pressed equal to the SAMPLE LOOP DIVISION (END) or following the footswitch press (START).

SAMPLE DIRECTION - Samples can play forward or reverse. This effect is most noticeable on longer duration samples.

PATH - When this is set to POST, the captured sample will be a composite of all effects that were on when it was captured. When set to PRE the sample is captured dry

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but effects can be added and removed as the sample continues to loop.

## Extra Rhythmic features

These features help you to co-ordinate the timing of your singing with the rhythmic effects.

**COWBELL** - Turning this feature on produces a metronome-type cowbell sound to give an audible indication of the current tempo. This is also a possible **SHORTCUT** parameter so you can use it live.

**LEVEL** - Volume control of the cowbell sound.

**PATTERN AUDITION** - Allows you to hear a tone playing when the **TYPE** is set to a pattern. This allows you to hear the patterns without singing.

Note that the **COWBELL** and **PATTERN AUDITION** sounds are bussed into the Guitar audio path. As such, they will not produce sound if **GUITAR MUTE** in the I/O tab in the Setup menu is on. A side benefit is that, if you'd like to use the

cowbell sound in performance, any effects you select in the Guitar FX menu will be present on the cowbell also.

## Using the Rhythmic features

1. Select a Rhythmic-based preset. If there are none present, follow the previous instructions for downloading the example presets using VoiceSupport.
2. Set a tempo you want by holding the **DELAY** button for a moment then tapping in your tempo.
3. Sing a sustained note or a legato melody.
4. Press the **SHORTCUT** button to enable the Rhythmic feature when required. Some presets are already enabled.

Note 1: You can re-synchronize the beat of the Rhythmic effect or restart the pattern each time you press the **SHORTCUT** switch setting to **ON**. This does not apply to **SAMPLE** and **SAMPLE MOMENT** assignments

Note 2: When **SAMPLE** or **SAMPLE MOMENT** are assigned,

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the footswitch should be pressed while you are singing to feed into the loop.

## **Delay button can be used to set tap tempo**

Holding the DELAY footswitch will temporarily enter Tap Tempo setting mode. Once it's active, the tempo in BPM (beats per minute) will be shown in large letters in the display while the DELAY button flashes momentarily and you can tap in a new tempo if you want. The feature will exit after a short timeout.

This feature allows the SHORTCUT button to be used for Rhythmic on/off where it was formerly required for setting Tap Tempo. When the SHORTCUT button is set to any of the Rhythm parameters, a main menu icon will show an indication of the tempo.

## **New Dual Mono output mode added**

The I/O tab in the Setup menu has a new value for the OUTPUT parameter: DUAL MONO. This allows you to have a sound tech control the level balance between wet

vocal (vocal with harmonies and effects) and wet guitar. Wet vocal comes from the left output and wet guitar is produced from the right output.

## **Dry voice latency reduced**

Some users found that the slight delay between their acoustic singing and the sound coming from their monitors/PA/in-ears was noticeable. We've trimmed this down considerably to make the dry vocal path, with or without Tone active, much more immediate.

## **Gender added to Doubling menu**

The DOUBLING edit menu now has individual gender adjustment for each of the four doubling voices. You can adjust these values to produce a sound similar to other people singing in unison with you, or you can use smaller values to sound like different takes sung by you.

## **More expression pedal parameters added**

In addition to the HARMONY+DBL and DELAY/REVERB level parameters added from the previous version, we've added the following preset or global expression pedal assignments.

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HARMONY LEVEL	DOUBLE LEVEL
UMOD LEVEL	DELAY LEVEL
REVERB LEVEL	LEAD LEVEL
µMOD/DLY/REV LEVEL	OUTPUT LEVEL
GUITAR LEVEL	AUX LEVEL
DELAY SEND LEVEL	REVERB SEND LEVEL
RHYTHMIC DEPTH	RHYTHMIC DIVISION

## Added Momentary On capability for Harmony and Doubling

Some users prefer to activate the Harmony and/or Doubling effects with a momentary press of the respective footswitch. Momentary activation of either or both is now available as a global parameter in the SYSTEM tab in the Setup menu.

## Added guitar phase reverse

Phase reverse can help to minimize low and low-mid frequency feedback on acoustic guitars with loud monitoring. This feature is added to the GUITAR tab in the Guitar FX button menu.

The effectiveness of phase reversal depends on your guitar's physical location in relation to the monitor. If you

move around the stage, reversal may not help, but if you typically remain in the same position it can help considerably.

To see if phase reversal will help, stand where you will perform in relation to your monitor and carefully turn up the level of your guitar with your guitar's onboard volume control until it starts to feed back. Note the volume if the control has an indication then turn down the volume and adjust the phase reverse control in VoiceLive 2. Return to standing position and adjust your guitar volume to the level that caused the feedback. If this didn't work, guitar monitor level or overall (guitar and vocal effects) will have to be reduced.

## LEAD LEVEL now a preset parameter

This allows the lead level voice to be reduced in level in relation to the harmony, doubling and effects levels. LEAD LEVEL has been added to the PRESET tab as well as replacing the LEAD MUTE parameters in the individual effect edit tabs.

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## Additional analog output level options in Setup

OUTPUT LEVEL RANGE sets the analog outputs to Mic or Line level. At its default values, VoiceLive 2 contains built in headroom, especially for layering of multiple harmony voices that can potentially increase the output level significantly. However, some of this headroom can be sacrificed for more output gain using the Mic +6dB, Line +6dB, Mic +12dB, and Line +12dB values. For those familiar with the concept of unity gain, Line +6dB is essentially unity gain through VoiceLive 2. These settings will also increase the gain of the headphone outputs.

## FAQ and Troubleshooting

I'm singing into a Rhythmic preset and I can't hear the Rhythmic effects

1. Check that the Rhythm SHORTCUT is on
2. Ensure that LEAD MUTE in the I/O tab of the Setup menu is set to OFF.
3. Ensure that there is the LEAD LEVEL is turned up in any active effect blocks.