

January, 2004, [TC Electronic](#)

# How to update your Voice-Works OS

## **This is what you need to make it work:**

### **A PC with Windows 2000 or XP**

This is not a deliberate choice on the side of TC Electronic - we know that a lot of studios and musicians are Mac-users. The problems with the Mac are caused by the hardware-design of the Voice-Works. Coupled with the MIDI-implementation of the Mac Operating System, in which MIDI Sysex data is handled in a different way than in Windows.

### **A midi-interface that works**

We have tested a number of midi-interfaces and found that the following interfaces can be used to upgrade the Voice-Works:

- ✓ Midiman USB Midisport 1x1, 2x2 AND 8x8
- ✓ Midiman Uno
- ✓ Steinberg USB2
- ✓ Creative Soundblaster PCI-128
- ✓ Oxygen 8
- ✓ Terratec EWS88
- ✓ MPU-401 compatible soundcards
- ✓ We also found that these do not work:
- ✓ creamware Luna II
- ✓ Emagic MT4 & Uinitor8
- ✓ Edirol PCR-50
- ✓ Edirol SD-90
- ✓ Edirol UM-1
- ✓ Edirol UM1S
- ✓ RME HDSP Digiface
- ✓ Steinberg MIDEX3
- ✓ Steinberg MIDEX8

Please note, this does not mean that they're bad midi-interfaces - they just don't work in this particular case. We have the long technical explanation of why this doesn't work - but...

**A midi cable to connect your Voice-Works to your computer.**

## Update procedure

The update procedure contains the following 5 steps:

- ✓ Backup your settings and presets
- ✓ Connect the Voice-Works to your computer
- ✓ Set the Voice-Works so it's ready to receive
- ✓ Start the update program and send the update to Voice-Works
- ✓ Reset the Voice-Works

### Make sure to backup your settings and presets.

Before you update your Voice-Works, you'll have to make sure to back up you presets and settings, as they may get lost during the procedure. You can find info on how to back up your presets in your Voice-Worksmanual, or you can use the "How to backup your presets"-document found in together with the update program. It is not possible to back up your settings (f.ex. input selector), so you'll have to write your settings down - sorry, but this is the only way to do it: pen and paper.

### Connect the Voice-Works with the computer.

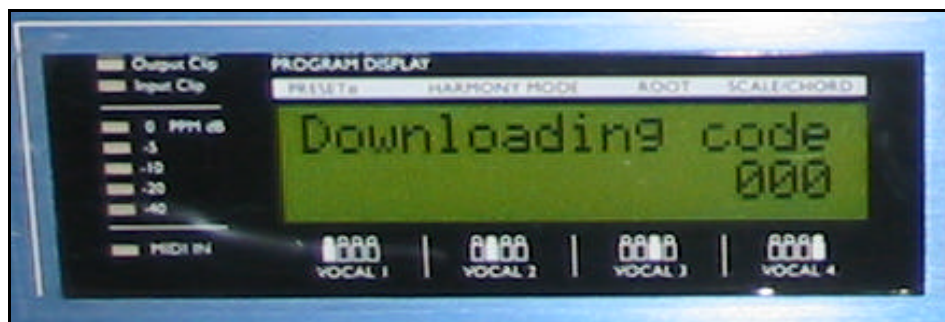
Connect the MIDI OUT port from your computers midi-interface to the MIDI IN of Voice-Works.

### Set the Voice-Works in receive mode

Press and hold the **SONG MODE** + **ARROW UP** buttons, while powering on the Voice-Works.



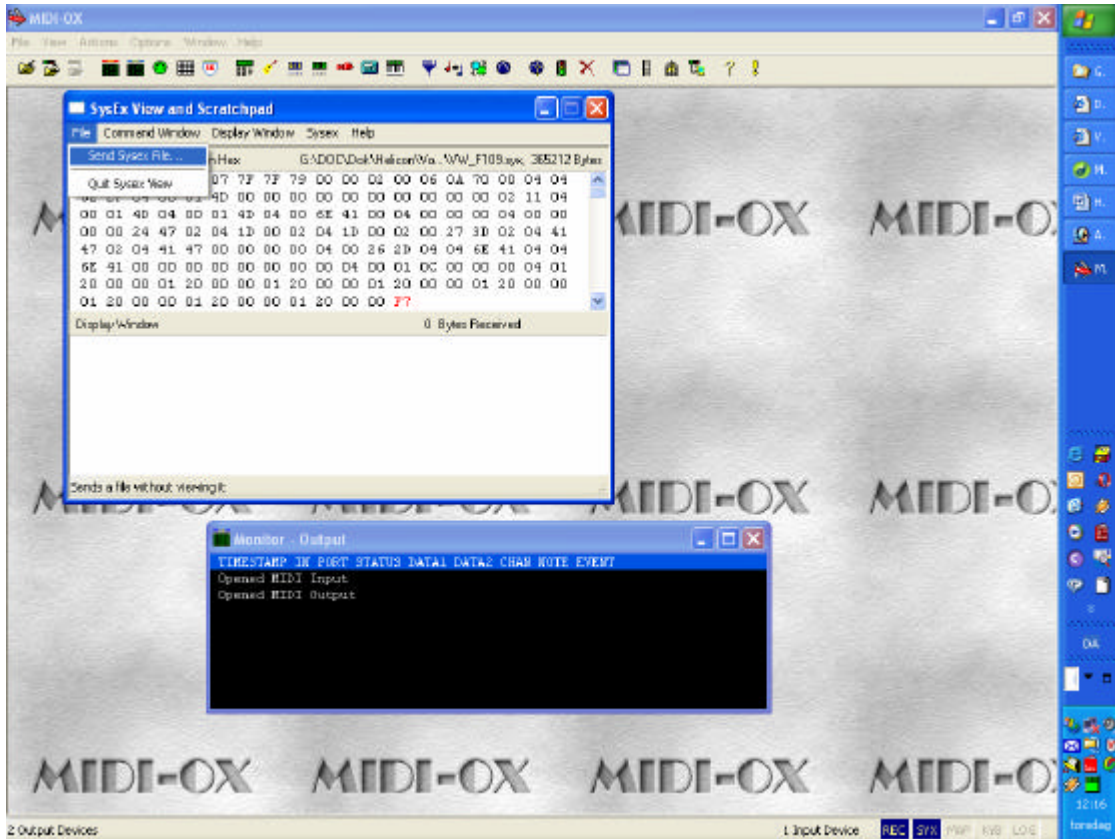
- ✓ The display now reads "V6 PSDC Firmware v0.29".
- ✓ Turn the VALUE wheel on the far right until the display reads "Download DSP Code?" and press **ENTER to confirm**. The display now read "Downlaoding code 000".



- ✓ Voice-Works is ready to receive the update.

### Start the update program and send the update to Voice-Works

- ✓ Start the install-program on your PC Midi OX. You can download the program from this location <http://www.midiox.com/>.



- ✓ Select File > Send System File.
- ✓ Choose the correct software for the voiceWorks.
- ✓ Press confirm.
- ✓ Please note that the PC can confirm that the upload is finished but the buffer is still processing the file to the voiceworks. Wait until the display displays the following.



If the unit stalls during the update, please retry with one of the tested MIDI-interfaces mentioned above.

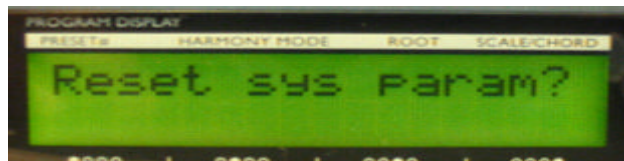
Upon a successful update, the Voice-Works will revert back to the “Voice-Works 1.06 Front 1.6” screen,

Power the unit off and back on from the front.

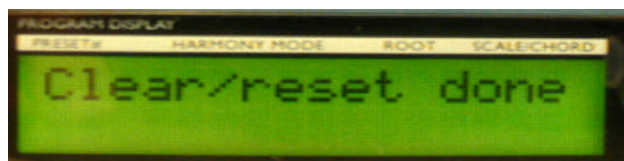
**If the update does not work:**

1. Reset the System Parameters on the Voice-Works by doing the following, then try updating the software again.

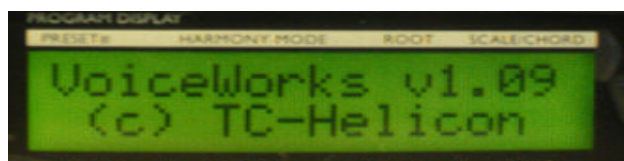
- ✓ Press and hold the **ENTER** button, while powering on the Voice-Works from the front. The display now reads “V6 PSDC Firmware V.020”.
- ✓ Turn the VALUE wheel until the display reads “Reset sys param?”



- ✓ Press **ENTER** to confirm.
- ✓ The display now reads “Clear/reset done”.



- ✓ Power the unit off and On again.
- ✓ The display now reads "VoiceWorks V1.09(latest software) TC-Helicon"



2. If the update stops or hangs in the middle of the transmission, it is very likely that it has been interrupted in some way. In this case, please try one of the tested MIDI-interfaces.

3. If it still does not work, the unit could be defective and should be sent in for repair to either the TC Headquarters or the local Service Center (depending on the country).

Please either contact your dealer to arrange this, or get in touch with [TC Support](#).