

Digi 001 FAQ

1. My computer hangs or freezes during the initial installation and launch of ProTools LE

.....ie. The Wait

- Recently, an issue has come to our attention concerning the initial launch of the ProTools LE application.
- Upon launching ProTools LE, the computer will cease activity and appear to be frozen, although the mouse cursor still remains active.
- It seems that in these certain instances, the authorization window appears only after an undetermined amount of time. While this is not normal behavior, letting the computer remain in this "frozen" state for as long as one hour remedies itself and finally prompts the user for their authorization code.
- The most common CPU configuration exhibiting this bizarre behavior has been the Blue&White G3/400MHz although this is not an isolated case targeting this particular model. So, if your computer does in fact appear to be broken, get a bite to eat, take a short nap or read a chapter of your favorite novel and there is a very good chance that the authorization window will be up on the screen when you return.

2. How do I create an audible click track in ProTools LE?

- In order to produce a click, ProTools requires a sound module and proper configuration of the OMS Setup application. You have the ability to route the click from ProTools LE to trigger any device provided it has been defined in OMS. If you do not have any external sound modules, you still have the option to use the QuickTime Musical Instruments software synthesizer. This is a General MIDI, multitimbral sound module which is included with the Macintosh Operating System. In order to take advantage of this "virtual synthesizer," you need to enable its operation through OMS.
- Launch the OMS setup application.
- In the studio setup window, double click the QuickTime Musical Instrument icon and click the radio button next to the word "on" (the "Use Rock Drum Kit" checkbox is a completely user definable selection).
- Click the "OK" button, choose "save" from the file menu and quit OMS Setup.
- In ProTools LE, select Click Options from the MIDI pull-down menu or double click on either the countoff or metronome button in the transport MIDI controls window.
- Click and hold on the "Output" pop-up menu and select your destination device and channel. If using a General MIDI compatible synthesizer (such as QuickTime Musical Instruments) use channel 10, for this is the channel that contains all drum and non-pitched percussion sounds.
- Select a note for the accented and unaccented beats via your MIDI controller or by typing in a note name with the Macintosh keyboard.
- Once you have configured the parameters of the Click options window to your liking, enable the click by choosing "click" in the MIDI pull-down menu or highlighting the metronome button in the MIDI controls transport window.
- If using QuickTime Musical Instruments, the sound generated will be outputted via the Macintosh Sound Manager (i.e. the internal speaker). However, in order to route this signal elsewhere in your studio (such as a channel on a mixer) you need to connect a cable from the stereo miniplug (1/8") jack located on the rear of the Computer marked with speaker icon.

3. I'm unable to get MIDI signal into PT LE via the 001?

- Make sure that the Digi 001 OMS driver is in the OMS folder, located in the System folder, and that the 001 is recognized by the OMS Studio Setup.
- Make sure the "Use Apple SerialDMA when available" is unchecked in the OMS preferences which are located under the Edit menu of OMS. If you uncheck it, you must restart the CPU for the change to take affect.
- Make sure that you have defined an input device in the OMS Studio Setup for your midi.
- Make sure that your midi device is checked in the Input Devices menu located under the MIDI menu in PT LE.
- Make sure that you have the appropriate filters selected in the Input Filters menu located under the MIDI menu in PT LE.

- Make sure that "Run MIDI in background" is checked in the OMS MIDI setup window located under the Setups menu in PT LE.
 - Make sure that you have the correct MIDI channel selected and that the midi track is in record enabled.
 - If you are not actually recording yet but want to monitor the signal through an auxiliary, make sure that PT LE is set to Input Monitor only under the Operations menu.
 - Try restarting the Mac again after confirming the previous steps to make sure that the serial ports get reset.
4. **All of the input and output choice pop-ups reference a different interface other than the 001.**
 - Select I/O labels under the Setups menu. Select Inputs from the Display section of the I/O Labels window. Hit Factory Reset. Do the proceeding for the Outputs next.
 5. **How do I hear what my MIDI device (keyboard, drum machine, etc.) is playing from the 001?**
 - Create an auxiliary input channel (mono or stereo) for monitoring the device.
 - Connect the analog outputs of the device into available inputs on the 001.
 - Set the input of the auxiliary to the input(s) you have routes into from your MIDI device.
 - Make sure to bring up the level of the auxiliary since they default to a negative infinity value.
 6. **How do I record a MIDI track as an audio track?**
 - Create an audio channel(s). If stereo, make two audio channels and pan each hard (100) left and right.
 - Connect the outputs of your MIDI device (keyboard, drum machine, etc.) into available inputs of the 001.
 - Set the input of the audio channel(s) to the input(s) you have routes into from your MIDI device.
 - If you are not actually recording yet but want to monitor the signal through an audio channel(s), make sure that PT LE is set to Input Monitor only under the Operations menu.
 - Record enable your audio channel(s) and hit play/record.
 7. **How do I spot audio frame accurately with the 001?**
 - Digi 001 is not intended for postproduction audio work. The only time bases supported in 001 are: Bars and Beats, Minutes and Seconds, and Samples.
 8. **Can I use an earlier OS other than OS 8.6 for 001? What about OS 9?**
 - 001 was qualified on OS 8.6 and OS9. Lower operating systems were not tested. We recommend using OS 8.6 or OS9 because Digidesign can not guarantee performance of the 001 on unsupported operating systems.
 9. **How much memory do I need for a 001 system?**
 - 128 megs is recommended for 001. 192 megs if you plan use other audio or MIDI applications while using 001.
 - To adjust the memory sizes for PT LE and DAE find each application. Highlight the application and select Get Info from the File menu or hit command I. Select Memory from the Show popup in the info dialog. Increase only the Preferred sizes, leave the Minimums at default values. For PT LE, set the Preferred size between 32000K and 50000K to start. For DAE, between 31000K and 50000K. Sizes will depend on how much system memory is available on the system. Sizes can not be changed while applications are running.
 - Check the About This Computer dialog under the Apple menu (when you are at the finder level) to make sure that you have at least 10 or more megs available once PT LE has launched. This is to ensure that your system has enough memory once all of the settings have been adjusted.
 10. **How many RTAS plug-ins can I have in a 001 session?**
 - The number of RTAS plug-ins will vary from system to system and session to session. Since RTAS is host based processing, bandwidth becomes the major factor. In essence, the more things you are asking the CPU to do (playback of information, routing, plug-ins, etc.) will dictate how many RTAS plug-ins can be used in a session. When dealing with host-based systems, the bigger the CPU the more bandwidth for performance.

11. My 001 is not powered on or seen by PT LE.

- Make sure that the 001 card is seated completely in the PCI slot of the CPU.
- Make sure that the cable connecting the card to the interface is seating and that there are no bent or broken pins on the cable.

12. When I overdub audio with prerecorded MIDI the two are slightly out of sync.

- You need to set the Negative MIDI Playback Offset in the Preferences menu. Choose Setups>Preferences>MIDI. Read pages 221-222 of the *Pro Tools Reference Guide* for detailed information on this process.