

Upgrade Instructions – PC

Please follow all steps completely. Failure to do so may result in incomplete installation.

PC Serial Ports

You can use either COM1, COM2, COM3, COM 4 or COM 5 on the PC. The serial cable available from TerraSonde is built to plug into a 9-pin serial port. The schematic to make your own is available as a free download. Pcs with USB ports will need a serial-to-USB adapter.

Obtain Unlock code

Go to our secure Unlock Code Request Form to get an unlock code from TerraSonde. Note that you do not need to supply a credit card number if you are requesting an in-warranty unlock code.

Install the Audio Toolbox Upgrader software

Follow these steps to install the Audio Toolbox Upgrader software. This will allow you to upgrade the software in your Audio Toolbox. This step only needs to be done once.

Download the ATB Upgrader installer (atbugp.zip, 1433kb), if you have not done so already. Note the location (folder) to which the file is saved. (The specific location is not important, you just need to be able to find the file after it has been saved to your hard disk.) To make things easy, select your Desktop as the destination for file.

Run the installer . To do this, just execute the downloaded file (it is named atbugp.exe) by locating it with Explorer and double-clicking on it, or use the Start menu, Run, locate the file, and run it. The installation process will begin.

Complete the installation process. Simply follow the prompts to complete installation. In most cases, all of the defaults will work fine. A folder will be left on your desktop containing a shortcut to the ATB Upgrader program. This is the icon that you will later double-click to begin the upgrade process. You may wish to drag this icon out of the folder and onto your desktop to make it available even if the folder is closed.

Upgrade the Audio Toolbox

Once you have the ATB Upgrader installed, you can download new software upgrades as they become available and download them into your Audio Toolbox. Follow these steps each time you wish to upgrade the Toolbox.

Download the current Audio Toolbox firmware file

Found in the Downloads section of the website.

Install the new Toolbox software. After getting this file, some browsers will automatically start the program. This is OK, but if it does not start by itself, locate it and run it. If it is on your desktop, just double-click the icon. Then complete the install, selecting the default suggestions, and the new ATB program file will be placed in the same directory that the Upgrader program was installed in.

Connect the Toolbox to the computer (serial port upgrade). Using the special Toolbox-to-serial port cable, plug the MIDI end of the cable into the Toolbox MIDI in and adjacent MIDI out ports, and plug the other end into an open serial port on the computer.

Prepare the Toolbox for the upgrade. To prepare the Audio Toolbox to receive the upgrade, you must unplug the power connector, wait a moment, and plug the power connector back in. While the running man is moving across the screen, turn the encoder to the *right* (clockwise) for a serial upgrade, until the display says "Serial download mode. Do this *before* starting the Upgrader program.

Start the ATB Upgrader program. If the program icon is not visible, if you accepted the defaults when you installed the program (above), you can start the program by clicking Start, Programs, ATB Upgrader, ATBupgrader.

Select the ports (serial upgrade). For a serial upgrade, select the Output Device menu and select the serial port (COM1,2,3 or 4) that you wish to use. Do not set anything on the Input Device menu.

Select the ports (MIDI upgrade). For a MIDI Port upgrade, using the Input Device and Output Device menus, select the MIDI in and out ports that you have connected to the Toolbox.

Open the new Audio Toolbox software file. On the File menu, select Open, and locate the correct ".ter" file that was downloaded in the first step of this procedure. The ATB Upgrader will not let you open a non-Toolbox file. If you get an error at this point, it is most likely caused by trying to open the wrong file. If you took the defaults for the install programs, the file will be on in the same folder that the Upgrader program is in, and will appear when you select Open.

Begin the download. Go to the File menu, and select "Begin Download". The ATB Upgrader will communicate with the Toolbox, and a screen will appear.

Enter your unlock code. On the box that appears, click on the empty box, then enter the unlock code that you have received from TerraSonde, and click OK to

start the download.

Wait for download to complete. This will take several minutes. Progress will be displayed as the download continues.

That's it. The process will complete automatically. Usually there will be 0 errors reported. The system can re-send packets if needed, but if you get a lot of errors something is wrong. About 15 seconds after the download has completed, the new software will start running on the Toolbox.