

System Update Instructions for the PC3

updated 6/08

TOOLS REQUIRED TO PERFORM UPDATES:

- Computer (Mac or PC) with USB port + USB cable and/or
- Computer (Mac or PC) with xD Media Card drive + xD card (512Mb or smaller - details below)

!! Before updating, be sure to back up any custom programming as user memory will be erased in the process. Please see the *Getting Started Guide*, Chpt. 13 "Storage Mode", for details. !!

UPDATE PROCEDURE:

1. Obtain the latest system updates

Go to www.kurzweilmusicsystems.com and follow the links to the PC3 product page downloads tab. Be sure to download the most recent update package.

2. Enter the Bootloader

Press and hold the EXIT button while you power-up the PC3. Release the EXIT button when the Boot Loader's menu of options appears on the screen. The options shown are:

RUN	UPDATE	RUN	SYSTEM	FILE
PC3	IMAGE	DIAGS	RESET	UTILITIES

You will use the various "soft buttons" under the screen to control the update process. To start, press the second soft button from the left, labeled UPDATE IMAGE.

3. Copy the O/S and Objects *(please read carefully as the installation instructions have changed)*

The software files need to be either (a) copied to an xD card and then physically transferred to the PC3 -or- (b) sent to the PC3 via direct USB cable connection. O/S files will have the extension ".BIN". Soundware object files have the extension ".PC3". One of each are included in this download.

(a) To copy using an xD card, you must have an appropriate card writer unit on your computer. You must also have a formatted xD card (up to 512 Mb in size). The card may be formatted on either a Windows or MacOS system, or it may come pre-formatted. If you format it yourself, be sure to use DOS format (FAT 16). Cards of up to 128 Mb may also be formatted on the PC3 itself using the FILE UTILITIES menu.

Copy the PC3 OS (.BIN) and Object (.PC3) files to the card using the method specific to your computer system. Remove the card from your computer and place it in the PC3 card slot on the back right corner of the keyboard. The card goes into the PC3 with the contacts facing upward.

(b) To copy via USB, plug the USB cable into the PC3 and into a computer running Windows or MacOS. A PC3 device image should appear on the desktop as an icon or a window depending on the operating system. ** Drag and drop the PC3 OS (.BIN) first and proceed with installation steps 4-6 below. Once complete, clear the USB removable device/window and then copy the Object file (.PC3) onto the USB removable device/window. Continue with installation step 7.

** **NOTE:** *beginning with version v1.01 the OS and Object files are collectively too large to fit in the USB desktop mounted volume at the same time and necessitate being copied and installed one file at a time, clearing the volumes' contents after the first file is installed.*

4. Install the O/S (.BIN file)

Press the soft button under the screen labeled UPDATE IMAGE then MAIN IMAGE when asked to choose a module to update.

5. You may see "Choose an external device:"

Depending on the presence of an xD card (or lack thereof) you may see a screen prompting you to select your update method: CARD or USB PORT. If prompted, select your method by pressing the appropriate soft button.

6. Select the O/S file (.BIN) name from the list

Use the alpha wheel or + and - buttons to move through the list of files displayed. If you have subdirectories set up on a card, you can use the DOWN and UP soft buttons to navigate through the directories. Press the CHOOSE soft button to select the main image file. It should have a name beginning with "PC3" and the file extension ".BIN".

You should see a completion message appear on the PC3 screen as the installation is done. The actual installation should take no more than 10 or 15 seconds to complete. Press OK to return to the main menu.

USB Users ! at this point you will need to clear the desktop USB removable device/window (i.e. drag OS file to the trash - may necessitate emptying the trash to actually clear space) and copy the Object file (.PC3) onto the desktop USB removable device/window.

If errors occur, the problem should be shown on the PC3 screen. Make sure you've chosen a valid PC3 installation file to install - incorrect files will not install, preventing the creation of a working system. It is also possible that there will be problems reading certain xD cards on the PC3. Make sure the card is 512 Mb or smaller in size, and that it is formatted for DOS FAT16 or FAT12. Sometimes it is necessary to remove the card from the slot and place it in again.

7. Install the factory soundware objects (.PC3)

Press UPDATE IMAGE again and this time choose MAIN OBJECT as the module to install. Following the same methods as described above (steps 5 & 6) select the object file to install. The object file name will have the file extension of ".PC3".

You should see a completion message appear on the PC3 screen as the installation is done. Press OK to return to the main menu.

8. Perform a System Reset

Press SYSTEM RESET. On the subsequent "warning" screen, press RESET to confirm. The user memory will be erased and you will be returned to the main menu.

9. Run the PC3 with the newly installed system

If both installations worked correctly, you're now ready to run your updated PC3. Press the leftmost soft button labeled RUN PC3. In the future, powering the unit on will automatically start this for you, and you won't need to interact with the boot loader program unless you want to update the system with another version.

/END