

Inserting New Software Chips for Software Updates

How to Physically Change Your Software Chip And the Special Patch Chip

BEFORE YOU REMOVE YOUR SOFTWARE CHIP

Turn on your malletKAT and look at the display. If you see a “+” sign after the word malletKAT, (malletKAT+) then you should be installing the 20 meg version. Otherwise you will need to install the 16 meg chip. You MUST install the right chip for the malletKAT to work! Call us if you have the wrong chip at hand.

TOOLS NEEDED

One Philips Head Screw Driver
One Flat Screw Driver

STEPS

- 1) Remove the power cord, foot switches and any MIDI cables from the malletKAT. Find a smooth, clean, flat surface and place your malletKAT upside down, with the jacks facing away from you.
- 2) Remove the back cover of the malletKAT, using the Philips Screwdriver. Notice that some of the screws are shorter (by the power input and MIDI jacks). Keep note of this when re assembling the back cover.
- 3) When the malletKAT is opened, you will see a large circuit board on the left of the instrument. On the left side of the board, directly below the footswitch one jack is a large chip (U8 on the board). There should be a label on it saying the version of software (i.e. 3.6YS). This is the software chip, the code that runs your malletKAT- its' Operating System.
- 4) Before you take the old software chip out, note how the chip is oriented in the socket. Specifically notice that there is a “notch” in the chip on the top part away from you. This notch tells you which is the top part of the chip when you install it.

- 5) To remove the old chip, you will use your small flat screwdriver. You will want to pry the chip out of its socket. **DO NOT** pry out the socket underneath the Software Chip. It remains attached to the printed circuit board. Look now at the new Upgrade Chip you received and you will be able to tell what is the chip and what is the socket. You want to insert the screwdriver between the chip and the top of the socket so as to pry up the chip but not the socket. You should alternate lifting each end of the chip until it is free. If you pry out too much on one side, you will excessively bend the small legs on the other end as the chip pivots on them.
- 6) After you have the chip out, place the new chip labeled **4.0** in the socket, being careful to orient it in the same way that the old chip was. (Remember the notch on top?) Take a little care to align the legs of the chip into the holes in the pins of the socket. When they are all aligned, gently push down evenly on the chip. It should push down snugly into the socket. Visually check to see that none of the legs got squished and are smashed under the chip.
- 7) Replace the back cover of your malletKAT and reinsert the screws. **IMPORTANT**- Use only the short screws under the power jack and footswitch jack. You don't want to jam the long screws into the power jack. **A long screw WILL damage the on off switch or footswitch jack.**
- 8) Turn your malletKAT over; reinsert the power cord and foot switches and power up. You should see the malletKAT display the **4.0** software letters. If the display is working, you are OK. You must now reinitialize your malletKAT. With the edit footswitch down, hold down both function pads until the screen tells you to also hold down the adjacent **A#** key. Continue holding down all three pads with the edit footswitch down until you hear the special reboot sound. You are now ready to enjoy the new software,

IF THE DISPLAY IS NOT WORKING

- 1) Remove the power cord and jacks again.
- 2) Turn the malletKAT over and remove the screws and back cover
- 3) Try reinserting the chip (pry it out again to make sure that the legs didn't get bent under the chip).
- 4) Put the back cover back on, turn the malletKAT back over, reinsert the power cord, and turn the power back on.
- 5) If this still fails, put your OLD software back in and give us a call at 877-933-6237.

SEND US BACK THE OLD CHIP

After you have had the new software in and used it for several days, please send the old chip back to us. They are reusable, and help to keep the prices down.

YOUR EXISTING 3.6 USER KITS and THE PATCH CHIP 1.0

The new 4.0 software will NOT accept an ALL MEMORY or GLOBAL dump from a 3.6 malletKAT. It will accept an ALL KITS DUMP but there is a new development.

The new software has changed the way we name program and bank numbers. Instead of using numbers 1- 128, we now conform to the more widely accepted 0-127 standard. This means that your program change numbers and bank change numbers will be off by one when loading in your old kits. You can manually change each one, or you can use the PATCH CHIP that will automatically reassign the new values to your old kits so that everything goes back to normal. The same sound will come up, but with a different (lower by one) program or bank number.

This chip is necessary ONLY if you have lots of USER KITS from 3.6, and you do not want to manually change the PC and Bank Numbers. When updating from a prior release to the malletKAT 4.0, you will need to use the following steps in order to modify the program and bank select values in any saved user kits.

- 1) Save the USER KITS (ALL KIT DUMP) by sending a data dump to a sequencer or data filer using your existing software release. (probably version 3.6)
- 2) Install the new malletKAT 4.x chip and Reinitialize the malletKAT.
- 3) Load the old ALL KIT DUMP User Kits back into the malletKAT.
- 4) Remove the **malletKAT 4.0** chip and install the PATCH CHIP. Power up the instrument, wait a few moments for the changes to take place, then shut off the instrument again.
- 5) Now reinstall the new **malletKAT 4.0** chip

All of your USER KITS will now work the same, but the display will show the program and bank numbers to be one count lower