



Voice Effect Software Chip Install For Vortex 1 Boards

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CHIP INSTALLATION (FOR THOSE PURCHASING THE CHIP SEPARATELY)

You will need the following:

1 chip extractor (or 2 small flat-bladed screwdrivers or even 2 butter knives)

To install your new voice effect EPROM, do the following.

- 1) Find the current socketed labeled EPROM (the large rectangular chip) on the Vortex board.
- 2) Put the board on the static bag so you don't shock it while changing the chip!!
- 3) Ground yourself (by touching a metal object – like a computer case) before handling the board.
- 4) Handle the board by its edges, don't touch the chips directly.

- 5) Take the chip extractor or 2 flat-bladed utensils and insert them under the 2 ends of the EPROM.
- 6) You want to pry the chip from its sockets equally on each side so the chip “lifts” out of the socket. Doing it from one side will most likely bend the pins.
- 7) Remove the chip.
- 8) Take your new chip, place the side that **DOES NOT HAVE** the half moon divot on it, and line it up with the end of the socket that is closest to the edge of the voice board (look at the board under the socket for a white silkscreen template showing the correct chip orientation). The side of the chip that **HAS** the half moon divot on it should face the white pushbuttons.
- 9) Push down equally on both sides to insert the chip. **DO NOT FORCE IT!** Make sure the pins go into the socket and do not bend up. If they do, remove the chip, carefully bend the pins back and try again.

During the install, handle your board like any piece of delicate electronics!!

Power up the Vortex board and make sure it is operating properly.