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Attiny Fuse Repair User Guide for Version 2.X Firmware

The ATTiny Fuse Repair Programmer will restore your corrupted ATTiny device to factory defaults less than one second without the use of a computer.

Simple to use, there are only two possible outcomes. Yellow LED (ERROR) or Green LED (Success). It just doesn't get easier than that.

No more throwing away locked microcontrollers, just fix them all in a snap!

In this version of firmware, we have added the ability to skip the erase command, leaving your code intact. Just simply install jumper J1 when the power is disconnected from the programmer, then power on the programmer. The fuse restore programmer will write the factory default fuses to your attiny and skip the erase function at the same time.

Please follow the instructions carefully. We are not responsible for any damage caused if the programmer is misused.

To use the programmer, simply insert your ATTiny in the correct socket and connect power. Within one second either the green or the yellow led will illuminate. Green LED indicates success, Yellow LED indicates failure. Failure can be caused by a number of reasons.

1. You do not have the correct power supply. This is 99% the cause of all failures. Please use a 13.5 - 16 Volt DC power supply with positive center on the plug. It is very important that you measure the output from your power supply using an accurate voltmeter! We are not responsible if you damage the programmer, or anything connected to it. Incorrect voltage or polarity may cause damage to you and/or the programmer!
2. You are not inserting the chip in the correct socket. Please see the instructions in Table 3 below.
3. The device signature cannot be read. Is the device damaged? Is it inserted correctly?
4. The device is not supported. Please check the device list (Table 1) below. If the programmer does not reprogram your attiny and there are no led's illuminated, perhaps you have a damaged power supply. Once power is connected, the red led will illuminate to indicate power has been applied. If it does not, you are not using the correct power supply.
5. Do you have jumper J1 installed? If the lock bits have been programmed and J1 is installed, the programmer will fail. The attiny must be erased if the lock bits have been programmed. Please remove jumper J1 and power cycle the programmer, and try again.

Please Remember: This device is not designed to circumvent LOCK BITS!

The ATTiny Fuse Repair Programmer supports the following devices:

<u>Socket U5</u>	<u>Socket U6</u>
Attiny11***	ATtiny24
ATtiny12	ATtiny24V
ATtiny12V	ATtiny44
ATtiny12L	ATtiny44V
ATtiny13	ATtiny84
ATtiny13A	ATtiny84V
ATtiny13V	
ATtiny25	
ATtiny25V	
ATtiny45	
ATtiny45V	
Attiny85	
ATtiny85V	

Table1. Device List

*****While the ATtiny11 does not support ISP programming, this programmer will restore the fuses back to factory settings.**

Any questions? Email us at: microcontrollerprog@yahoo.com