



PROGRAM-O-TRON

Programming AVRs has now become so much easier with the PROGRAM-O-TRON, complete with the CLONE-O-MATIC feature allowing you to copy unprotected chips.

Power the PROGRAM-O-TRON with a Micro USB 5V source, load your HEX files and FUS files onto an SD card. Your programming is now as easy as pressing 1 button.

OK	STATUS	DESCRIPTION
ON	OFF	WAITING FOR BUTTON
RAPID	OFF	UPLOADING
OFF	SLOW	NO CHIP FOUND / NOT RECOGNISED
ON	SLOW	CANNOT ENTER PROGRAM MODE
SLOW	OFF	SEARCHING FOR CHIP
ON	ON	VERIFY ERROR
BLINK	BLINK	ALT - SD CARD ERROR
		TOGETHER - FILE ERROR
ON	ONE FLASH	PROGRAMMING COMPLETE

File format :

ButtonNumber.HEX & ButtonNumber.FUS

e.g.

1.HEX 1.FUS

2.HEX 2.FUS ETC.

The hex file is a standard intel HEX file.

The fuse file should be formatted like :

HH,LL,EE,LB

Where the values are in hex (With a leading 0 if required)

HH = High Fuse Bits

LL = Low Fuse Bits

EE = Extended Fuse Bits

LB = Lock Bits

When the copy feature is used, files call FILE.HEX & FILE.FUS are created. These can be renamed to the button number using a computer with an SD card reader.