

Shruthi Firmware V 1.02 05.12.23

For Shruthi and Shruthi XT

**** Note Shruthi XT
after flashing the CPU, you must switch it to XT mode

The CPU has three modes:

- 1) normal shruthi mode
- 2) Franks Programmer mode
- 3) XT mode

If you press the ENCODER button when switching on the shruthi XT, you switch from normal shruthi mode to 'Franks Programmer mode. If you repeat this procedure, you switch from Franks Programmer to XT mode.

Fuses setting Atmel Studio

EXTENDET	0xFD
HIGH	0xD6
LOW	0xFF
LOCK	0x2F
BODLEVEL	2v7
OCDEN	
SPIEN	X
WDTON	
EESAVE	X
BOOTSZ	512W-7E00
BOOTRST	X
CKDIV8	
CKOUT	
SUT-CKSEL	Ex8xx16_65

You need :

- 1) Shruthi Firmware V 1.02 .hex *** you can use it with or without Bootloader .
- 2) EE-Prom.hex
- 3) Atmel studio
- 4) AVRISP mkII programmer or similar

You can also buy a ready-flashed CPU in our shop