Select the AVR device type you want to configure. When changing this setting, default fuse settings will automatically be applied. Presets (hexadecimal representation of the fuse settings) can be reviewed and even be set in the last form at the bottom of this page.

AVR part name: ATmega644 Select (141 parts currently listed)

Feature configuration

This allows easy configuration of your AVR device. All changes will be applied instantly.

Features

Full Swing Oscillator; Start-up time: 1K CK + 0 ms; Ceramic res.; BOD e

- [x] Clock output on PORTB1; [CKOUT=0]
- [ ] Divide clock by 8 internally; [CKDIV8=0]
- [ ] Boot Reset vector Enabled (default address=$0000); [BOOTRST=0]

Boot Flash section size=4096 words Boot start address=$7000; [BOOT

- [ ] Preserve EEPROM memory through the Chip Erase cycle; [EESAVE=0]
- [ ] Watchdog timer always on; [WDTON=0]
- [x] Serial program downloading (SPI) enabled; [SPIEN=0]
- [ ] JTAG Interface Enabled; [JTAGEN=0]
- [ ] On-Chip Debug Enabled; [OCDEN=0]

Brown-out detection disabled; [BODLEVEL=111]

Apply feature settings

Manual fuse bits configuration

This table allows reviewing and direct editing of the AVR fuse bits. All changes will be applied instantly.
Note: ☐ means unprogrammed (1); ☑ means programmed (0).

Bit	*Low*	*High*	*Extended*
7	☐ **CLKDIV8** Divide clock by 8	☐ **OCDEN** Enable OCD	
6	☑ **CKOUT** Clock output	☐ **JTAGEN** Enable JTAG	
5	☐ **SUT1** Select start-up time	☑ **SPIEN** Enable Serial programming and Data Downloading	
4	☑ **SUT0** Select start-up time	☐ **WDTON** Watchdog timer always on	
3	☑ **CKSEL3** Select Clock Source	☐ **EESAVE** EEPROM memory is preserved through chip erase	
2	☐ **CKSEL2** Select Clock Source	☑ **BOOTSZ1** Select Boot Size	☐ **BODLEVEL2** Brown-out Detector trigger level
1	☐ **CKSEL1** Select Clock Source	☑ **BOOTSZ0** Select Boot Size	☐ **BODLEVEL1** Brown-out Detector trigger level
0	☑ **CKSEL0** Select Clock Source	☐ **BOOTRST** Select Reset Vector	☐ **BODLEVEL0** Brown-out Detector trigger level

Apply manual fuse bit settings

Current settings

These fields show the actual hexadecimal representation of the fuse settings from above. These are the values you have to program into your AVR device. Optionally, you may fill in the numerical values yourself to preset the configuration to these values. Changes in the value fields are applied instantly (taking away