

AVR part name:

**Ads by Google**

## Feature configuration

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

**Features**

Ext. Crystal/Resonator High Freq.; Start-up time: 16K CK + 64 ms; [CKSEL=1111 SUT=11]

☐ Brown-out detection enabled; [BODEN=0]

Brown-out detection level at VCC=2.7 V; [BODLEVEL=1]

☐ Boot Reset vector Enabled (default address=\$0000); [BOOTRST=0]

BootFlash section size=128 words Boot start address=\$0F80; [BOOTSZ=11]

☐ Preserve EEPROM memory through the Chip Erase cycle; [EESAVE=0]

☐ CKOPT fuse (operation dependent of CKSEL fuses); [CKOPT=0]

☒ Serial program downloading (SPI) enabled; [SPIEN=0]

☐ Watch-dog Timer always on; [WDTON=0]

☐ Reset Disabled (Enable PC6 as i/o pin); [RSTDISBL=0]

## 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
7	<input type="checkbox"/> <b>BODLEVEL</b> Brown out detector trigger level	<input type="checkbox"/> <b>RSTDISBL</b> Disable reset
6	<input type="checkbox"/> <b>BODEN</b> Brown out detector enable	<input type="checkbox"/> <b>WDTON</b> Enable watchdog
5	<input type="checkbox"/> <b>SUT1</b> Select start-up time	<input checked="" type="checkbox"/> <b>SPIEN</b> Enable Serial programming and Data Downloading
4	<input type="checkbox"/> <b>SUT0</b> Select start-up time	<input type="checkbox"/> <b>CKOPT</b> Oscillator Options
3	<input type="checkbox"/> <b>CKSEL3</b> Select Clock Source	<input type="checkbox"/> <b>EESAVE</b> EEPROM memory is preserved through chip erase
2	<input type="checkbox"/> <b>CKSEL2</b> Select Clock Source	<input type="checkbox"/> <b>BOOTSZ1</b> Select Boot Size
1	<input type="checkbox"/> <b>CKSEL1</b> Select Clock Source	<input type="checkbox"/> <b>BOOTSZ0</b> Select Boot Size
0	<input type="checkbox"/> <b>CKSEL0</b> Select Clock Source	<input type="checkbox"/> <b>BOOTRST</b> Select Reset Vector

## 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 the focus)!

Low	High	Action	AVRDUDE arguments
0x <input type="text" value="FF"/>	0x <input type="text" value="DF"/>	<input type="button" value="Apply values"/> <input type="button" value="Defaults"/>	-U lfuse:w:0xff:m -U hfuse:w:0xdf:m
Apply manual changes to the values on the left side, or load factory default values for the selected device.			Select (try triple-click) and copy-and-paste this option string into your avrdude command line. You may specify multiple -U arguments within one call of avrdude.