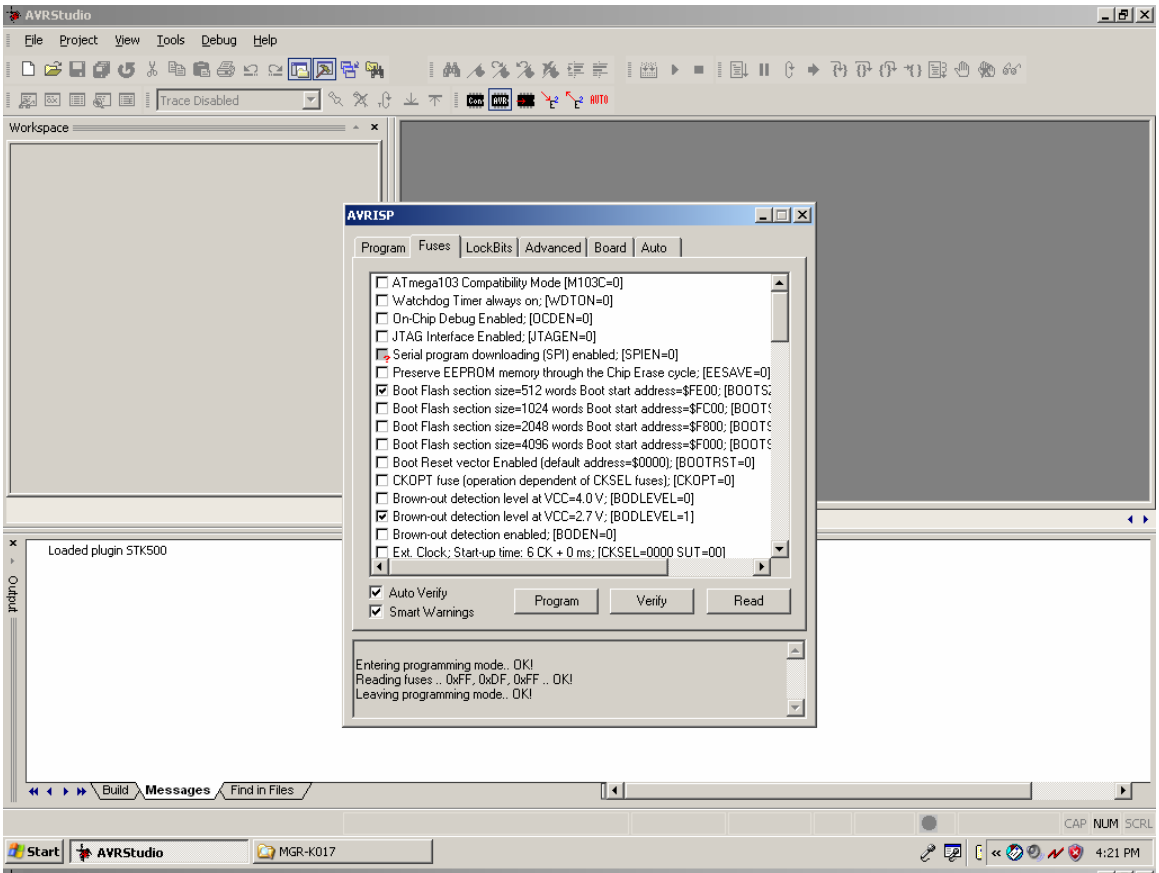
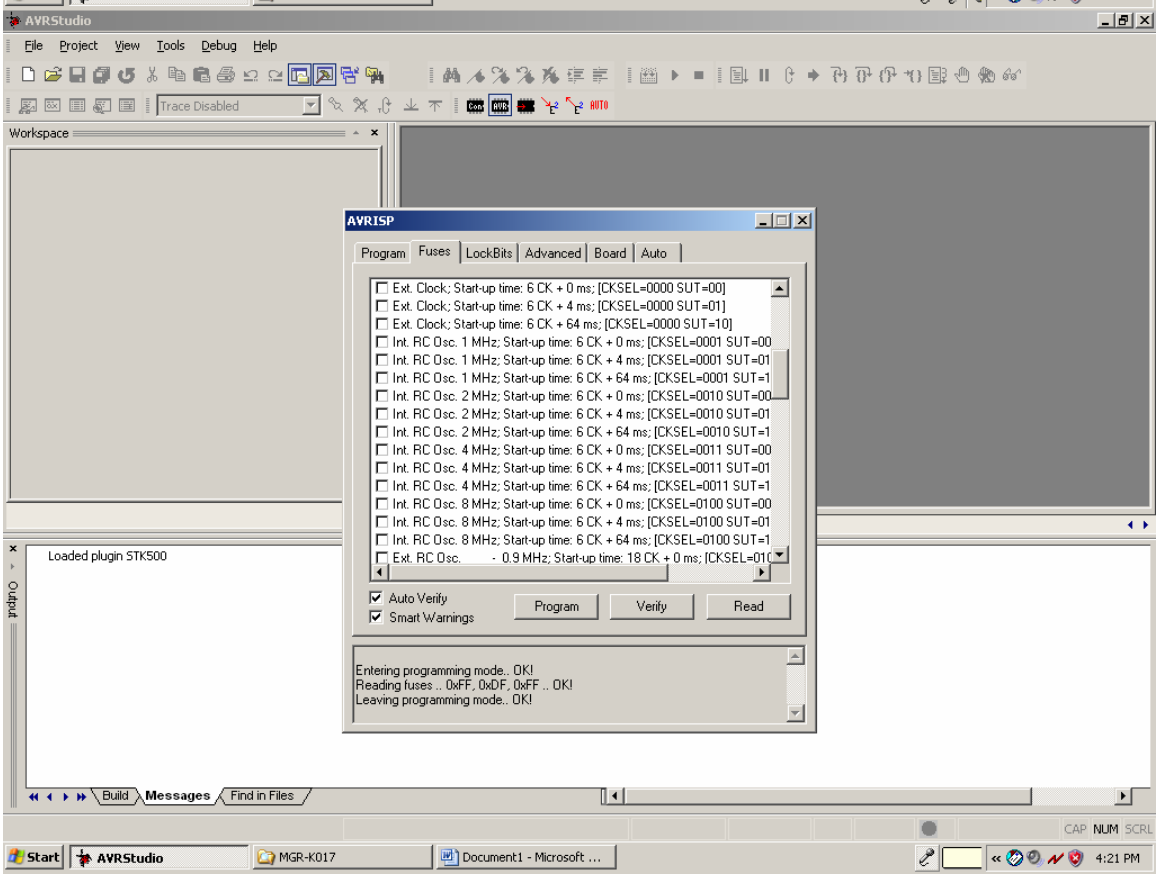
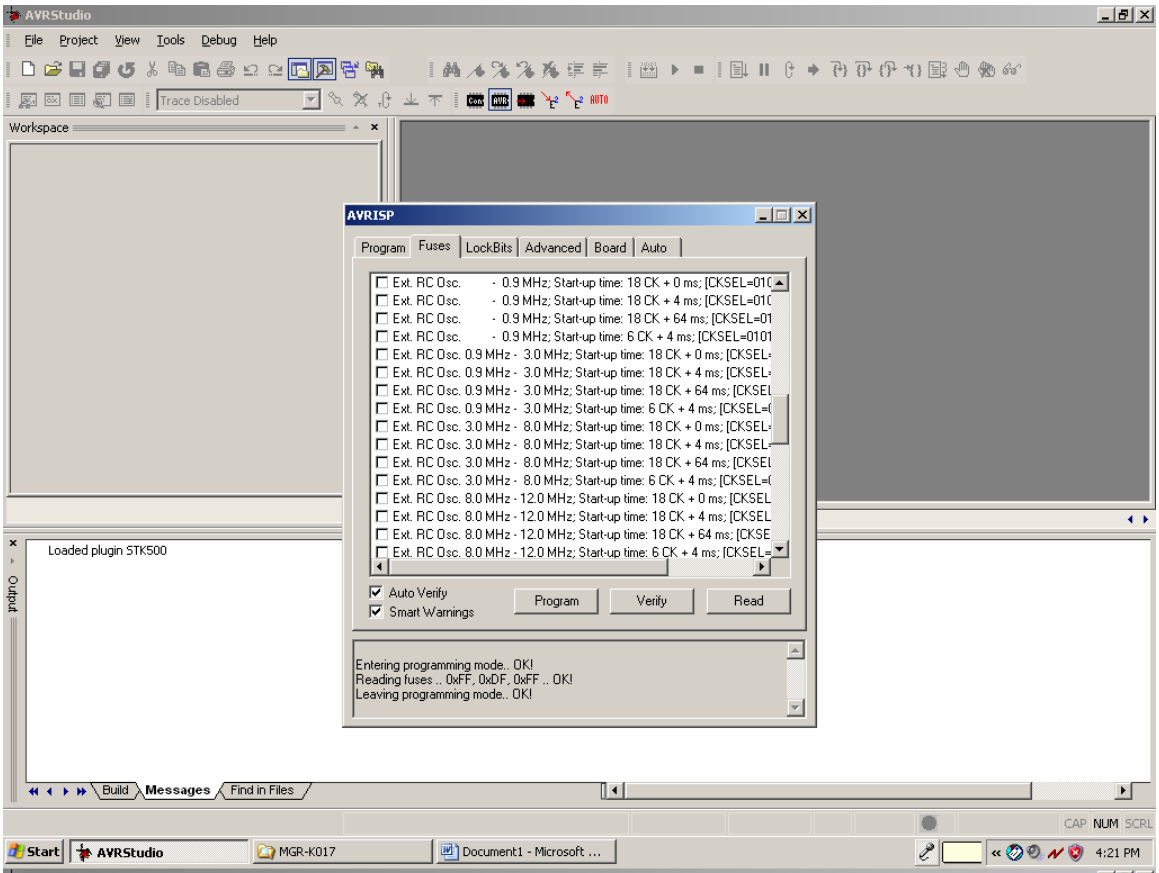
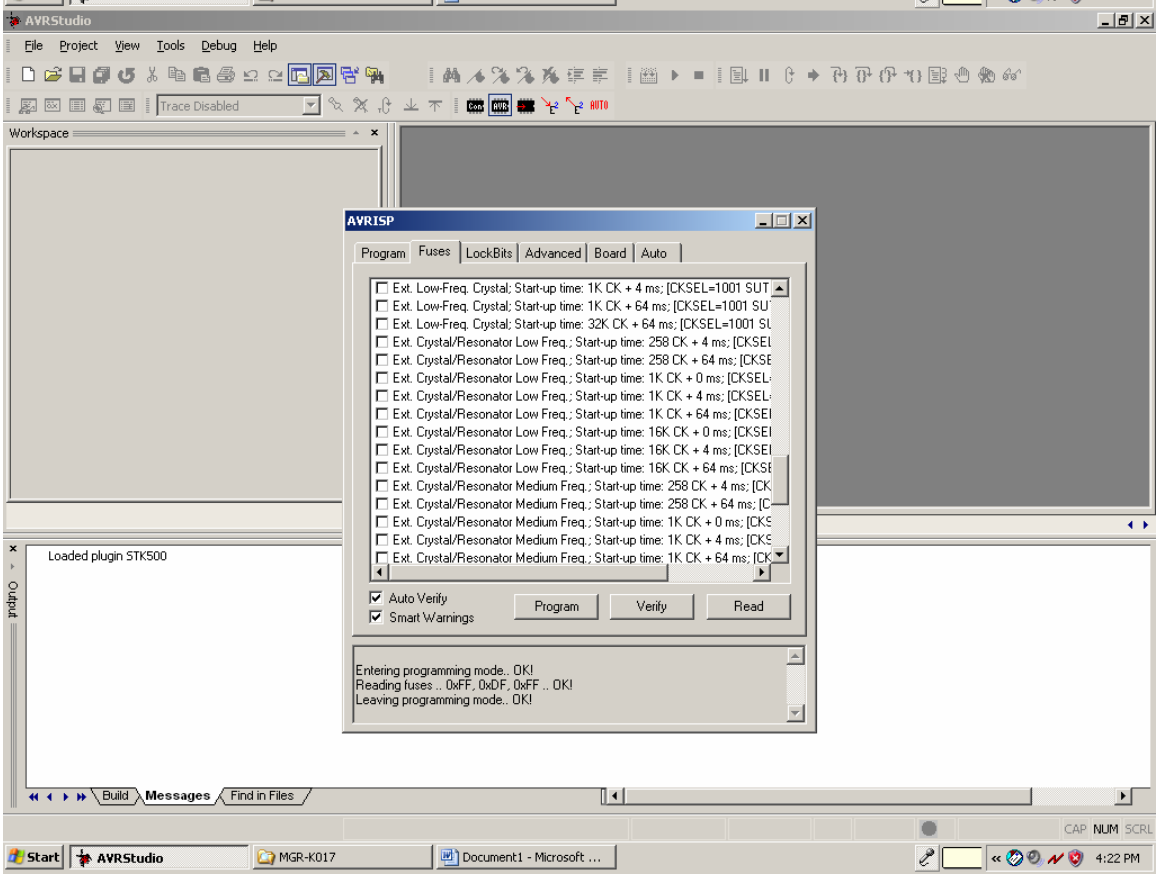
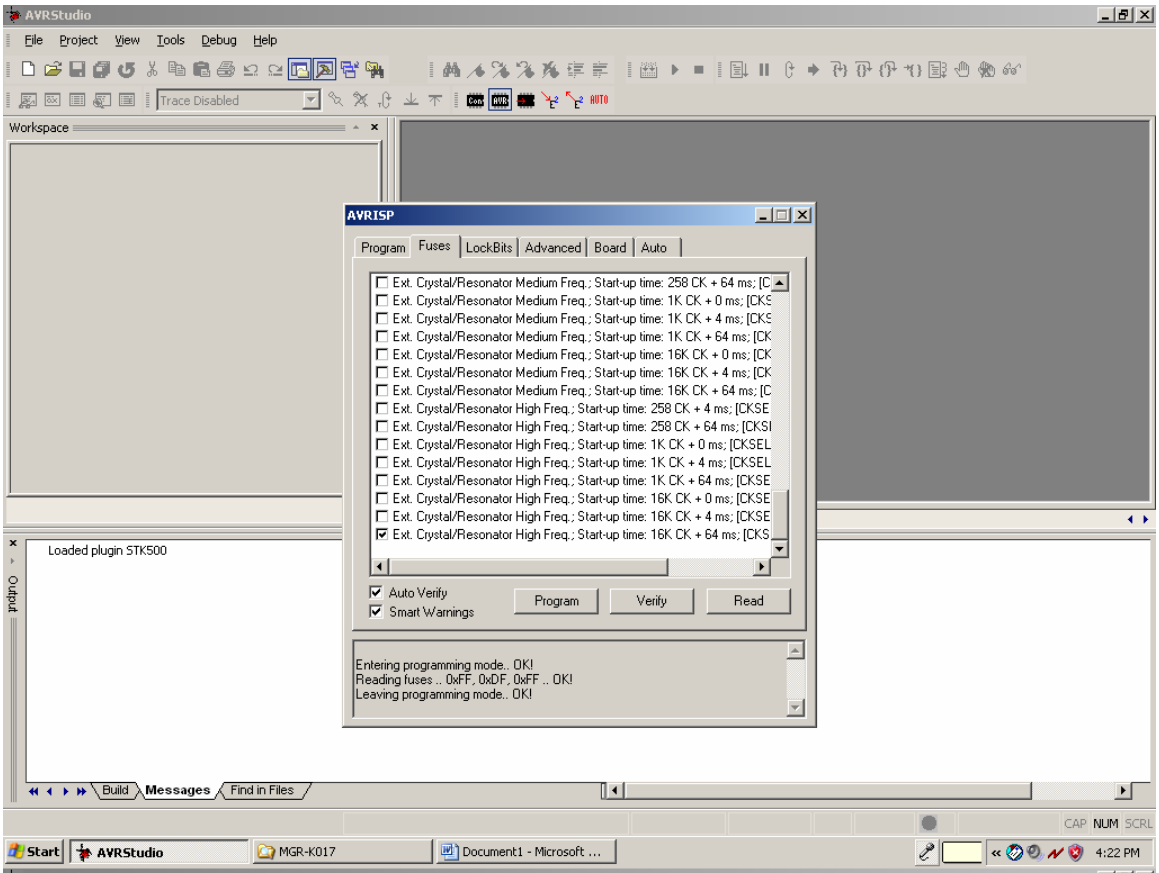
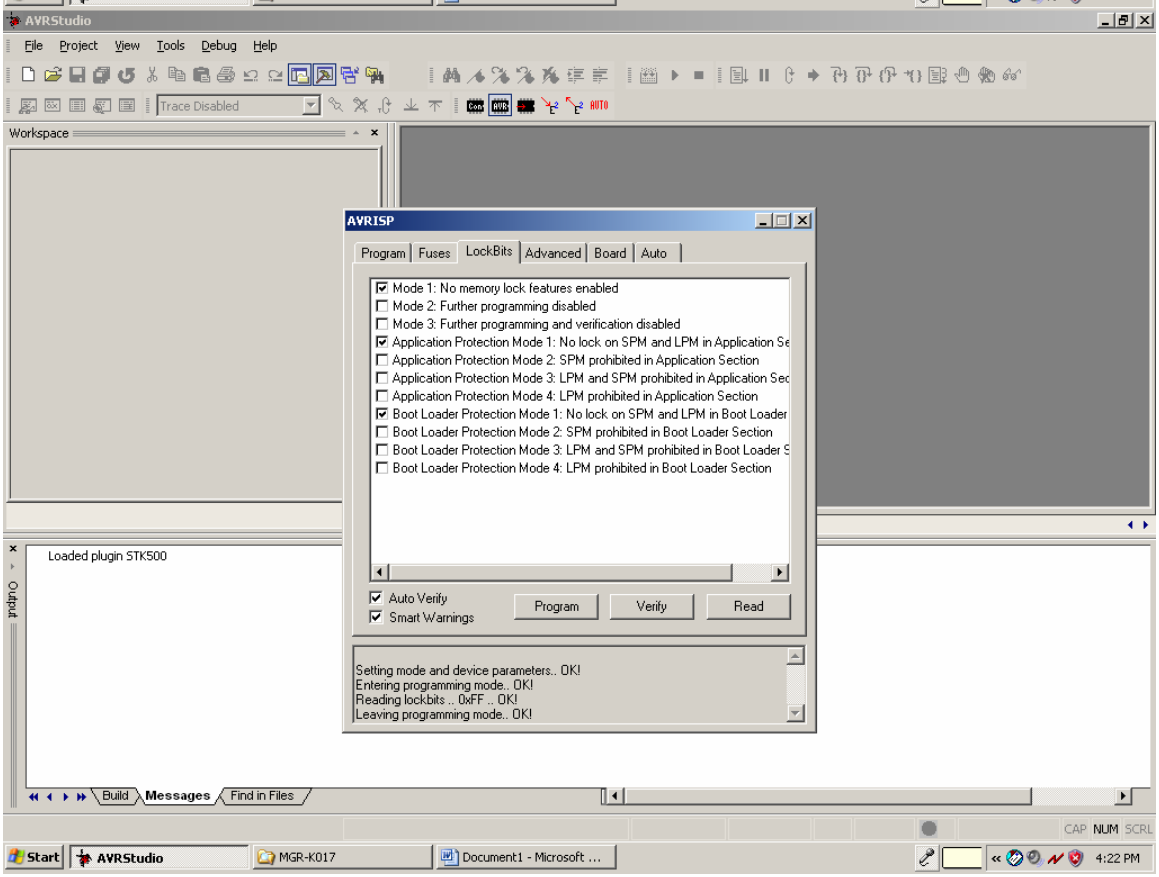

AVRStudio
File Project View Tools Debug Help
Trace Disabled
Workspace
AVRISP
Program Fuses LockBits Advanced Board Auto
ATmega103 Compatibility Mode [M103C=0]
Watchdog Timer always on; [WDTON=0]
On-Chip Debug Enabled; [OCDEN=0]
JTAG Interface Enabled; [JTAGEN=0]
Serial program downloading (SPI) enabled; [SPIEN=0]
Preserve EEPROM memory through the Chip Erase cycle; [EESAVE=0]
Boot Flash section size=512 words Boot start address=$FE00; [BOOTS
Boot Flash section size=1024 words Boot start address=$FC00; [BOOTS
Boot Flash section size=2048 words Boot start address=$F800; [BOOTS
Boot Flash section size=4096 words Boot start address=$F000; [BOOTS
Boot Reset vector Enabled (default address=$0000); [BOOTRST=0]
CKOPT fuse (operation dependent of CKSEL fuses); [CKOPT=0]
Brown-out detection level at VCC=4.0 V; [BODLEVEL=0]
Brown-out detection level at VCC=2.7 V; [BODLEVEL=1]
Brown-out detection enabled; [BODEN=0]
Ext. Clock; Start-up time: 6 CK + 0 ms; [CKSEL=0000 SUT=00]
Auto Verify
Smart Warnings
Program
Verify
Read
Entering programming mode.. OK!
Reading fuses .. 0xFF, 0xDF, 0xFF .. OK!
Leaving programming mode.. OK!
Loaded plugin STK500
Output
Build Messages Find in Files
CAP NUM SCRL
Start AVRStudio MGR-K017
4:21 PM


AVRStudio
File Project View Tools Debug Help
Trace Disabled
Workspace
AVRISP
Program Fuses LockBits Advanced Board Auto
Ext. Clock; Start-up time: 6 CK + 0 ms; [CKSEL=0000 SUT=00]
Ext. Clock; Start-up time: 6 CK + 4 ms; [CKSEL=0000 SUT=01]
Ext. Clock; Start-up time: 6 CK + 64 ms; [CKSEL=0000 SUT=10]
Int. RC Osc. 1 MHz; Start-up time: 6 CK + 0 ms; [CKSEL=0001 SUT=00
Int. RC Osc. 1 MHz; Start-up time: 6 CK + 4 ms; [CKSEL=0001 SUT=01
Int. RC Osc. 1 MHz; Start-up time: 6 CK + 64 ms; [CKSEL=0001 SUT=1
Int. RC Osc. 2 MHz; Start-up time: 6 CK + 0 ms; [CKSEL=0010 SUT=00
Int. RC Osc. 2 MHz; Start-up time: 6 CK + 4 ms; [CKSEL=0010 SUT=01
Int. RC Osc. 2 MHz; Start-up time: 6 CK + 64 ms; [CKSEL=0010 SUT=1
Int. RC Osc. 4 MHz; Start-up time: 6 CK + 0 ms; [CKSEL=0011 SUT=00
Int. RC Osc. 4 MHz; Start-up time: 6 CK + 4 ms; [CKSEL=0011 SUT=01
Int. RC Osc. 4 MHz; Start-up time: 6 CK + 64 ms; [CKSEL=0011 SUT=1
Int. RC Osc. 8 MHz; Start-up time: 6 CK + 0 ms; [CKSEL=0100 SUT=00
Int. RC Osc. 8 MHz; Start-up time: 6 CK + 4 ms; [CKSEL=0100 SUT=01
Int. RC Osc. 8 MHz; Start-up time: 6 CK + 64 ms; [CKSEL=0100 SUT=1
Ext. RC Osc. - 0.9 MHz; Start-up time: 18 CK + 0 ms; [CKSEL=010
Auto Verify
Smart Warnings
Program
Verify
Read
Entering programming mode.. OK!
Reading fuses .. 0xFF, 0xDF, 0xFF .. OK!
Leaving programming mode.. OK!
Loaded plugin STK500
Output
Build Messages Find in Files
CAP NUM SCRL
Start AVRStudio MGR-K017 Document1 - Microsoft ...
4:21 PM


AVRStudio
File Project View Tools Debug Help
Trace Disabled
Workspace
AVRISP
Program Fuses LockBits Advanced Board Auto
Ext. RC Osc. - 0.9 MHz; Start-up time: 18 CK + 0 ms; [CKSEL=010
Ext. RC Osc. - 0.9 MHz; Start-up time: 18 CK + 4 ms; [CKSEL=010
Ext. RC Osc. - 0.9 MHz; Start-up time: 18 CK + 64 ms; [CKSEL=01
Ext. RC Osc. - 0.9 MHz; Start-up time: 6 CK + 4 ms; [CKSEL=0101
Ext. RC Osc. 0.9 MHz - 3.0 MHz; Start-up time: 18 CK + 0 ms; [CKSEL
Ext. RC Osc. 0.9 MHz - 3.0 MHz; Start-up time: 18 CK + 4 ms; [CKSEL
Ext. RC Osc. 0.9 MHz - 3.0 MHz; Start-up time: 18 CK + 64 ms; [CKSEL
Ext. RC Osc. 0.9 MHz - 3.0 MHz; Start-up time: 6 CK + 4 ms; [CKSEL=(
Ext. RC Osc. 3.0 MHz - 8.0 MHz; Start-up time: 18 CK + 0 ms; [CKSEL
Ext. RC Osc. 3.0 MHz - 8.0 MHz; Start-up time: 18 CK + 4 ms; [CKSEL
Ext. RC Osc. 3.0 MHz - 8.0 MHz; Start-up time: 18 CK + 64 ms; [CKSEL
Ext. RC Osc. 3.0 MHz - 8.0 MHz; Start-up time: 6 CK + 4 ms; [CKSEL=(
Ext. RC Osc. 8.0 MHz - 12.0 MHz; Start-up time: 18 CK + 0 ms; [CKSEL
Ext. RC Osc. 8.0 MHz - 12.0 MHz; Start-up time: 18 CK + 4 ms; [CKSEL
Ext. RC Osc. 8.0 MHz - 12.0 MHz; Start-up time: 18 CK + 64 ms; [CKSE
Ext. RC Osc. 8.0 MHz - 12.0 MHz; Start-up time: 6 CK + 4 ms; [CKSEL=
Auto Verify
Smart Warnings
Program
Verify
Read
Entering programming mode.. OK!
Reading fuses .. 0xFF, 0xDF, 0xFF .. OK!
Leaving programming mode.. OK!
Loaded plugin STK500
Output
Build Messages Find in Files
CAP NUM SCRL
Start AVRStudio MGR-K017 Document1 - Microsoft ...
4:21 PM


AVRStudio
File Project View Tools Debug Help
Trace Disabled
Workspace
AVRISP
Program Fuses LockBits Advanced Board Auto
Ext. Low-Freq. Crystal; Start-up time: 1K CK + 4 ms; [CKSEL=1001 SUT
Ext. Low-Freq. Crystal; Start-up time: 1K CK + 64 ms; [CKSEL=1001 SU
Ext. Low-Freq. Crystal; Start-up time: 32K CK + 64 ms; [CKSEL=1001 SU
Ext. Crystal/Resonator Low Freq.; Start-up time: 258 CK + 4 ms; [CKSEL
Ext. Crystal/Resonator Low Freq.; Start-up time: 258 CK + 64 ms; [CKSE
Ext. Crystal/Resonator Low Freq.; Start-up time: 1K CK + 0 ms; [CKSEL
Ext. Crystal/Resonator Low Freq.; Start-up time: 1K CK + 4 ms; [CKSEL
Ext. Crystal/Resonator Low Freq.; Start-up time: 1K CK + 64 ms; [CKSEL
Ext. Crystal/Resonator Low Freq.; Start-up time: 16K CK + 0 ms; [CKSEL
Ext. Crystal/Resonator Low Freq.; Start-up time: 16K CK + 4 ms; [CKSEL
Ext. Crystal/Resonator Low Freq.; Start-up time: 16K CK + 64 ms; [CKSE
Ext. Crystal/Resonator Medium Freq.; Start-up time: 258 CK + 4 ms; [CK
Ext. Crystal/Resonator Medium Freq.; Start-up time: 258 CK + 64 ms; [C
Ext. Crystal/Resonator Medium Freq.; Start-up time: 1K CK + 0 ms; [CKS
Ext. Crystal/Resonator Medium Freq.; Start-up time: 1K CK + 4 ms; [CKS
Ext. Crystal/Resonator Medium Freq.; Start-up time: 1K CK + 64 ms; [CK
Auto Verify
Smart Warnings
Program
Verify
Read
Entering programming mode.. OK!
Reading fuses .. 0xFF, 0xDF, 0xFF .. OK!
Leaving programming mode.. OK!
Loaded plugin STK500
Output
Build Messages Find in Files
CAP NUM SCRL
Start AVRStudio MGR-K017 Document1 - Microsoft ...
4:22 PM


AVRStudio
File Project View Tools Debug Help
Trace Disabled
Workspace
AVRISP
Program Fuses LockBits Advanced Board Auto
Ext. Crystal/Resonator Medium Freq.; Start-up time: 258 CK + 64 ms; [C
Ext. Crystal/Resonator Medium Freq.; Start-up time: 1K CK + 0 ms; [CKS
Ext. Crystal/Resonator Medium Freq.; Start-up time: 1K CK + 4 ms; [CKS
Ext. Crystal/Resonator Medium Freq.; Start-up time: 1K CK + 64 ms; [CK
Ext. Crystal/Resonator Medium Freq.; Start-up time: 16K CK + 0 ms; [CK
Ext. Crystal/Resonator Medium Freq.; Start-up time: 16K CK + 4 ms; [CK
Ext. Crystal/Resonator Medium Freq.; Start-up time: 16K CK + 64 ms; [C
Ext. Crystal/Resonator High Freq.; Start-up time: 258 CK + 4 ms; [CKSE
Ext. Crystal/Resonator High Freq.; Start-up time: 258 CK + 64 ms; [CKSI
Ext. Crystal/Resonator High Freq.; Start-up time: 1K CK + 0 ms; [CKSEL
Ext. Crystal/Resonator High Freq.; Start-up time: 1K CK + 4 ms; [CKSEL
Ext. Crystal/Resonator High Freq.; Start-up time: 1K CK + 64 ms; [CKSE
Ext. Crystal/Resonator High Freq.; Start-up time: 16K CK + 0 ms; [CKSE
Ext. Crystal/Resonator High Freq.; Start-up time: 16K CK + 4 ms; [CKSE
Ext. Crystal/Resonator High Freq.; Start-up time: 16K CK + 64 ms; [CKS
Auto Verify
Smart Warnings
Program
Verify
Read
Entering programming mode.. OK!
Reading fuses .. 0xFF, 0xDF, 0xFF .. OK!
Leaving programming mode.. OK!
Loaded plugin STK500
Output
Build Messages Find in Files
CAP NUM SCRL
Start AVRStudio MGR-K017 Document1 - Microsoft ...
4:22 PM


AVRStudio
File Project View Tools Debug Help
Trace Disabled
Workspace
AVRISP
Program Fuses LockBits Advanced Board Auto
Mode 1: No memory lock features enabled
Mode 2: Further programming disabled
Mode 3: Further programming and verification disabled
Application Protection Mode 1: No lock on SPM and LPM in Application Se
Application Protection Mode 2: SPM prohibited in Application Section
Application Protection Mode 3: LPM and SPM prohibited in Application Sec
Application Protection Mode 4: LPM prohibited in Application Section
Boot Loader Protection Mode 1: No lock on SPM and LPM in Boot Loader
Boot Loader Protection Mode 2: SPM prohibited in Boot Loader Section
Boot Loader Protection Mode 3: LPM and SPM prohibited in Boot Loader S
Boot Loader Protection Mode 4: LPM prohibited in Boot Loader Section
Auto Verify
Smart Warnings
Program
Verify
Read
Setting mode and device parameters.. OK!
Entering programming mode.. OK!
Reading lockbits .. 0xFF .. OK!
Leaving programming mode.. OK!
Loaded plugin STK500
Output
Build Messages Find in Files
CAP NUM SCRL
Start AVRStudio MGR-K017 Document1 - Microsoft ...
4:22 PM