How To Install Atmel Studio

- 1) Download Atmel Studio from here
- 2) Run the downloaded file
- 3) Agree to the license

Atmel Studio –	×
Atmel Studio 7.0	
You must agree the license terms and conditions before you can install Atmel Studio 7.0.	
ATMEL STUDIO END USER LICENSE AGREEMENT	
IT IS IMPORTANT THAT YOU READ THIS AGREEMENT CAREFULLY AND COMPLETELY. This End User License Agreement ("Agreement") is a legally binding agreement between, on one hand, either your employer) or you (if you are acting on behalf of your employer) or you (if you are acting on your own behalf) ("Licensee"), and on the other hand, Atmel Corporation ("Atmel"). By clicking the "I Accept" button on this page or by downloading, installing or using any of the software "), are indicating	-
I agree to the license terms and conditions.	
C:\Program Files (x86)\Atmel\Studio\	
I agree to the license terms and conditions. C:\Program Files (x86)\Atmel\Studio\ Send anonymous information to help improve the user experience Next Cancel	

4) For CST120 you will need the 8-bit support, CST347 and CST417 will need the 32-bit support.



5) Install the framework and example projects



6) If everything is good, click next. Otherwise fix any issues listed

Atmel Studio	
Atmel Studio 7.0	
System validation Pending system reboot Installer Or WindowsUpdate Running Operating System Version Windows Update Running applications	× • • • • • • • • • • • • • • • • • • •
Refresh	
Back Next	Cancel

7) Click install, should take 30-40 minutes

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Important notes	
Device Header File Versions	
Some of the device headers are updated. To install different versi the Device Pack Manager in the Tools menu. To set a version for a open the Components tab in the project properties.	ons, use a project,
Back Install (Cancel
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For CST120 you will also need the following

- 1) Download the avr-dude zip file from your course website.
- 2) Extract the folder and note the where you save it, you will need this information for the tool creation.
- 3) Plug in your Arduino board to your computer
- 4) Launch device manager: windows key x and select device manager from the list

5) Under the Ports section, get your port number for your board. It will normally default to com3



- 6) Launch Atmel Studio
- 7) Click on Tools -> External Tools
- 8) Create a new tool with the following data:

Title: Whatever you would like to call it

Command: <PATH FROM STEP 2>\avrdudewait.cmd

Arguments: -c arduino -P com6 -p ATmega328P -U flash:w:\$(TargetName).hex:i Initial Directory: \$(TargetDir)

External Tools	? ×
Me <u>n</u> u contents:	
Metro Board	Add
Arduino 328P Generic	Delete
	Move <u>U</u> p
	Move Do <u>w</u> n
<u>T</u> itle:	Metro Board
<u>C</u> ommand:	D:\avrdude\avrdudewait.cmd
A <u>rg</u> uments:	-c arduino -P com3 -p ATmega328P -U flash:w:\$
Initial directory:	\$(TargetDir)
Use Output window	<u>Prompt for arguments</u>
Treat output a <u>s</u> Unicod	de 🗹 Close on <u>e</u> xit
	OK Cancel Apply