

CSA - Files & File Locations

File / Resource	Version	OS	URL	Directory	Notes
CTRE Phoenix Installer	5.2.1.1	Windows MacOS Linux	http://www.ctr-electronics.com/control-system/hro.html#product tabs technical resources	programming	https://github.com/CrossTheRoadElec Install only AFTER wpilib is confirmed installed. This are added to the wpilib directory.
CTRE Phoenix Framework documentation		All	https://github.co m/CrossTheRoa dElec/Phoenix- Documentation/ blob/master/RE ADME.md	Online only	
CTRE Java API CTRE C++ API		All	https://github.co m/CrossTheRoa dElec/Phoenix- Documentation	Online only	
TalonSRX firmware	3.3	All	http://www.ctr- electronics.com/ control- system/motor- control/talon- srx.html#produc t_tabs_technical _resources	firmware	



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VictorSPX firmware	3.1	All	http://www.ctr- electronics.com/ control- system/motor- control/victor- spx.html#produ ct_tabs_technica l_resources	firmware	
PDP firmware	1.40	N/A	http://www.ctr- electronics.com/ control- system/pdp.html #product tabs t echnical_resour ces	firmware	
Talon SRX User's Guide	2017-02-03	All	http://www.ctr- electronics.com/ Talon%20SRX% 20User's%20Gui de.pdf	reference	
Talon SRX Software Reference Manual	2017-02-26	All	http://www.ctr- electronics.com/ downloads/pdf/ Talon%20SRX% 20Software%20 Reference%20M anual.pdf	reference	
Talon SRX Motion Profile Reference Manual	2016-01-09	All	https://www.ctr = electronics.com/ downloads/pdf/ Talon%20SRX% 20Motion%20Pr ofile%20Referen ce%20Manual.p df	reference	



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VictorSPX Quick Star Guide		All	Coming soon according to CTRE website		
Victor SP & Talon SRC Info Sheet	2014-08-19	All	http://www.ctr- electronics.com/ downloads/pdf/ Victor-SP- Talon-SRX- Info-Sheet.pdf	reference	
Magnetic Encoder User's Guide		All	http://www.ctr- electronics.com/ downloads/pdf/ Magnetic%20En coder%20User's %20Guide.pdf	reference	
Motor Controller Output Testing		All	http://www.ctr- electronics.com/ downloads/pdf/ Motor- Controller- Power- Testing.pdf	reference	
CTRE - Code Usage Examples		All	https://github.co m/CrossTheRoa dElec	Download from GitHub	
VRM User's Guide	2016-01-17	All	http://www.ctr- electronics.com/ VRM%20User's %20Guide.pdf	reference	
PCM firmware	1.65	N/A	http://www.ctr- electronics.com/ control- system/pcm.htm l- product_tabs_te	firmware	



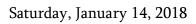
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			chnical resourc es		
PCM User's Guide	2016-01-24	All	http://www.ctr- electronics.com/ PCM%20User's %20Guide.pdf	reference	
Eclipse Java	Oxygen 2	MacOS Windows Linux	http://www.ecli pse.org/downloa ds/eclipse- packages/	programming	
Eclipse C++	Oxygen 2	MacOS Windows Linux	http://www.ecli pse.org/downloa ds/eclipse- packages/	programming	
WPI - FRC Toolchains	2018 - 5.5	MacOS Windows	http://first.wpi.e du/FRC/roborio/ toolchains/	programming	
WPI - FRC Toolchains	2018 - 5.5	Linux	https://launchpa d.net/~wpilib/+a rchive/ubuntu/t oolchain-beta/	Read instructions in URL	
WPILib - Eclipse Plugins	2018.1.1	All	http://first.wpi.e du/FRC/roborio/ release/	programming	



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Java JDK	8u152	MacOS Windows Linux	http://www.orac le.com/technet work/java/javase /downloads/jdk8 -downloads- 2133151.html	programming	You need to accept Oracle License prior to downloading
NI FRCUpdate Suite	2018.0.0	Windows	http://www.ni.c om/download/fi rst-robotics- software- 2015/5112/en/	driver	Need to have NI serial number handy for new install. Take photo of your teams serial #. For updates, you do not need to enter serial # when it asks. Also need password: pLaY&4%R3aL!
Radio Config Utility	18.1.0	Windows	https://wpilib.sc reenstepslive.co m/s/currentCS/ m/13503/l/1449 86?data-resolve- url=true&data- manual- id=13503	driver	Link to Radio Config Utility is about 1/3 of the way down the page under the header "Download the software" IL version is for Israel only
GRIP	1.5.2	MacOS Windows Linux	https://github.co m/WPIRobotics Projects/GRIP/r eleases	programming	
iTunes	12.7.2	Windows	https://www.ap ple.com/itunes/d ownload	driver	



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Xbox 360 Controller Driver	1.2	Windows	https://www.mi crosoft.com/acce ssories/en- gb/d/xbox-360- controller-for- windows	driver	
Logitech f310 Gaming Software	5.10.27	Windows	http://support.lo gitech.com/en_u s/product/gamep ad- f310/downloads = windowsPnlBar	driver	This is NOT the driver, this is the Logitech Gaming Software. Not needed for FRC.
NavX Library	3.0.346	MacOS Windows Linux	https://www.pd ocs.kauailabs.co m/navx- mxp/software/ro borio-libraries/	programming	Install only AFTER wpilib is confirmed installed. This are added to the wpilib directory.
raspbian OS	2017-11-29	Linux	https://www.ras pberrypi.org/do wnloads/raspbia n/	OS	OS images for Raspberry Pi
JetPack for Tegra	3.1	Windows	https://develope r.nvidia.com/em bedded/dlc/jetpa ck-l4t-3 1	os	Need to have Nvidia Developer account and accept license.
Mindsensors	Downloaded: 2018-1-14	MacOS Windows Linux	http://www.min dsensors.com/bl og/how-to/how- to-use-sd540c- and-canlight- with-roborio	programming	Used to control SD540 motor controller and CANLight module.





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Scanse Sweep	1.0.0-beta1	MacOS Windows Linux	https://github.co m/PeterJohnson /sweep- sdk/releases	programming	Used to control Scansense Sweep LIDAR