CSA - Files & File Locations

File / Resource	Version	OS	URL	Directory	Notes
7zip	16.04	Windows	http://www.7-zip.org	utilities	
CTRE Phoenix Installer	5.1.3.1	Windows MacOS Linux	http://www.ctr-electronics.com/control-system/hro.html#product_tabs_technical_resources	programming	https://twitter.com/CTR_Electronics Contains firmware for TalonSRX and VictorSPX. Install only AFTER wpilib is confirmed installed. This are added to the wpilib directory.
CTRE Phoenix Framework documentation		All	https://github.com/CrossTheRoadElec/Phoenix-Documentation/blob/master/README.md	Online only	
CTRE Java API		All	http://www.ctr-electronics.com/downloads/api/archive_4.4.X/java/html/index.html	Online only	
CTRE C++ API		All	http://www.ctr-electronics.com/downloads/api/archive_4.4.X/cpp/html/index.html	Online only	

File / Resource	Version	OS	URL	Directory	Notes
PDP firmware	1.40	N/A	http://www.ctr-electronics.com/control-system/pdp.html#product_tabs_technical_resources	firmware	
Talon SRX firmware		N/A			Installed with CTRE Phoenix Framework
Talon SRX User's Guide	2017-02-03	All	http://www.ctr-electronics.com/Talon%20SRX%20User's%20Guide.pdf	reference	
Talon SRX Software Reference Manual	2017-02-26	All	http://www.ctr-electronics.com/downloads/pdf/Talon%20SRX%20Software%20Reference%20Manual.pdf	reference	
Talon SRX Motion Profile Reference Manual	2016-01-09	All	https://www.ctr-electronics.com/downloads/pdf/Talon%20SRX%20Motion%20Profile%20Reference%20Manual.pdf	reference	
VictorSPX Quick Star Guide		All	Coming soon according to CTRE website		

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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%20Encoder%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.com/CrossTheRoadElec	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/downloads/firm/PCM-Application-1.65-FRC.zip	firmware	
PCM User's Guide	2016-01-24	All	http://www.ctr-electronics.com/PCM%20User's%20Guide.pdf	reference	

File / Resource	Version	OS	URL	Directory	Notes
Eclipse Java	Oxygen 1a	MacOS Windows Linux	http://www.eclipse.org/downloads/eclipse-packages/	programming	
Eclipse C++	Oxygen 1a	MacOS Windows Linux	http://www.eclipse.org/downloads/eclipse-packages/	programming	
WPI - FRC Toolchains	2018 - 5.4	MacOS Windows	http://first.wpi.edu/FRC/roborio/toolchains/	programming	
WPI - FRC Toolchains	2018 - 5.4	Linux	https://launchpad.net/~wpilib/+archive/ubuntu/toolchain-beta/	Read instructions in URL	
WPILib - Eclipse Plugins	2018.1.1	All	http://first.wpi.edu/FRC/roborio/release/	programming	
Java JDK	8u152	MacOS Windows Linux	http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html	programming	You need to accept Oracle License prior to downloading

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NI FRCUpdate Suite	2018.0.0	Windows	http://www.ni.com/download/first-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://usfirst.collab.net/sf/frs/do/listReleases/projects.wpilib.frs.frc_radio_configuration_utility	driver	IL version is for Israel only
GRIP	1.5.2	MacOS Windows Linux	https://github.com/WPIRoboticsProjects/GRIP/releases	programming	
iTunes	12.7.2	Windows	https://www.apple.com/itunes/download	driver	
Xbox 360 Controller Driver	1.2	Windows	https://www.microsoft.com/accessories/en-gb/d/xbox-360-controller-for-windows	driver	

File / Resource	Version	OS	URL	Directory	Notes
NavX Library	3.0.341	MacOS Windows Linux	https://www.pdocs.kauailabs.com/navx-mxp/software/roborio-libraries/	programming	Install only AFTER wpilib is confirmed installed. This are added to the wpilib directory.
raspbian OS	2017-11-29	Linux	https://www.raspberrypi.org/downloads/raspbian/	os	OS images for Raspberry Pi
JetPack for Tegra	3.1	Windows	https://developer.nvidia.com/embedded/dlc/jetpack-l4t-3_1	os	Need to have Nvidia Developer account and accept license.
Mindsensors	Downloaded: 2017-12-08	MacOS Windows Linux	http://www.mindsensors.com/blog/how-to/how-to-use-sd540c-and-canlight-with-roborio	programming	Used to control SD540 motor controller and CANLight module.
Scanse Sweep	1.0.0-beta1	MacOS Windows Linux	https://github.com/PeterJohnson/sweep-sdk/releases	programming	Used to control Scansense Sweep LIDAR