

CSA - Files & File Locations

File / Resource	Version	OS	URL	Directory	Notes
CTRE Phoenix Installer	5.3.1.0	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.com/CrossTheRoadElec/Phoenix-Documentation/blob/master/README.md	Online only	
CTRE Java API CTRE C++ API		All	https://github.com/CrossTheRoadElec/Phoenix-Documentation	Online only	
TalonSRX firmware	3.8	All	http://www.ctr-electronics.com/control-system/motor-control/talon-srx.html#product_tabs_technical_resources	firmware	All CTRE firmware is installed with CTRE Phoenix Framework. C:\Users\Public\Public Documents\FRC

File / Resource	Version	OS	URL	Directory	Notes
VictorSPX firmware	3.8	All	http://www.ctr-electronics.com/control-system/motor-control/victor-spx.html#product_tabs_technical_resources	firmware	
PDP firmware	1.40	N/A	http://www.ctr-electronics.com/control-system/pdp.html#product_tabs_technical_resources	firmware	
PDP Users Guide	2016-01-24	All	http://www.ctr-electronics.com/PDP%20User's%20Guide.pdf	reference	
Microsoft SilverLight	2018-03-04	Windows, MacOS	https://www.microsoft.com/getsilverlight/Get-Started/Install/Default	driver	
Talon SRX Software Reference Manual	2018-03-04	All	https://github.com/CrossTheRoadElec/Phoenix-Documentation/raw/master/Talon%20SRX%20Victor%20SPX%20-%20Software%20Reference%20Manual.pdf	reference	

File / Resource	Version	OS	URL	Directory	Notes
Talon SRX Motion Profile Reference Manual	2018-03-04	All	https://github.com/CrossTheRoadElec/Phoenix-Documentation/raw/master/Talon%20SRX%20Motion%20Profile%20Reference%20Manual.pdf	reference	
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	

File / Resource	Version	OS	URL	Directory	Notes
PCM firmware	1.65	N/A	http://www.ctr-electronics.com/control-system/pcm.html-product_tabs_technical_resources	firmware	
PCM User's Guide	2016-01-24	All	http://www.ctr-electronics.com/PCM%20User's%20Guide.pdf	reference	
Eclipse Java	Oxygen 3	MacOS Windows Linux	http://www.eclipse.org/download/eclipse-packages/	programming	
Eclipse C++	Oxygen 3	MacOS Windows Linux	http://www.eclipse.org/download/eclipse-packages/	programming	
WPI - FRC Toolchains	2018 - 5.5	MacOS Windows	http://first.wpi.edu/FRC/roborio/toolchains/	programming	
WPI - FRC Toolchains	2018 - 5.5	Linux	https://launchpad.net/~wpilib/+archive/ubuntu/toolchain-beta/	Read instructions in URL	
WPILib - Eclipse Plugins	2018.3.3	All	http://first.wpi.edu/FRC/roborio/release/	programming	

File / Resource	Version	OS	URL	Directory	Notes
Java JDK	8u161	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
NI LabView Update	2018	Windows	http://www.ni.com/download/labview-for-frc-17.0/7185/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!
NI FRCUpdate Suite	2018.1.0	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!
StarTech USB – Ethernet Driver	2018.03.05	Windows	https://sgcdn.startech.com/005329/media/sets/ASIX_AX88179/[ASIX88179]%20Windows%20USB%20Network%20Adapter.zip	driver	

File / Resource	Version	OS	URL	Directory	Notes
Radio Config Utility	18.1.0	Windows	https://wpilib.screensteplive.com/s/currentCS/m/13503//144986?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.com/WPIRoboticsProjects/GRIP/releases	programming	
iTunes	12.7.3	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	
Logitech f310 Gaming Software	5.10.27	Windows	http://support.logitech.com/en_us/product/gamepad-f310/downloads-windowsPnlBar	driver	This is NOT the driver, this is the Logitech Gaming Software. Not needed for FRC.

File / Resource	Version	OS	URL	Directory	Notes
NavX Library	3.0.346	MacOS Windows Linux	https://www.pdoci.cs.kauailabs.com/navx-mxp/software/roborio-libraries/	programming	Install only AFTER wpilib is confirmed installed. This are added to the wpilib directory.
raspbian OS	2018-03-13	Linux	https://www.raspberrypi.org/downloads/raspbian/	os	OS images for Raspberry Pi
JetPack for Tegra	3.2	Windows	https://developer.nvidia.com/embedded/jetpack	os	Need to have Nvidia Developer account and accept license.
Mindsensors	Downloaded: 2018-1-14	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