

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 |

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| 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 | 2018-03-28 | 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 | |

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| 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 | |

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| PCM firmware | 1.65 | N/A | http://www.ctr-electronics.com/control-system/pcm.html-product_tabs_technical_resources | firmware | |
| PCM User's Guide | 2018-03-30 | 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 | 2018.4.1 | All | http://first.wpi.edu/FRC/roborio/release/ | programming | |

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| 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 | |

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| 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 | |
| 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. |
| 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 is added to the wpilib directory. |

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| rasbian 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 |