2026 Capital City Classic

Robot Radio, Driver Station and RoboRIO Configuration

The roboRIO Ethernet port must be directly connected to the “RIO” port on the VH-109 robot radio, except to allow for PoE injection.

It is highly recommended, though not required, that teams use static IP addresses on their driver stations and roboRIOs while at the event. Doing so eliminates additional points of failure, and can result in robots connecting to the field much faster.

Please follow these three steps to configure your robot radio, driver station, and roboRIO:

1. Once at the event, program your robot radio using the Kiosk located in the Small Gym pits (in the same way as during the competition season.)
2. Assign the driver station a static IP address of 10.xx.yy.5 with a subnet mask of 255.0.0.0, where xx and yy are the first two and last two digits of the team number.
3. Assign the roboRIO a static IP address of 10.xx.yy.2 with a subnet mask of 255.0.0.0. To do this, turn on the robot, tether the driver station or any other computer to the robot radio, and navigate to http://roboRIO-xxyy-FRC.local in a Silverlight-compatible browser to open the web configuration interface (where xxyy is the team number). Reboot the robot for the change to take effect.