

Roebling Scouting Alliance

Championships Houston 2017 - Team 8

Overview

Team 8: Paly Robotics is looking for teams willing to participate in a Roebling Division scouting alliance for the Houston Championship Event. In exchange for agreeing to the requirements below, we will provide access to all data and statistics, as well as pictures of all teams' robots. Teams who commit to this scouting alliance will need to provide a squadron of at least 8 dedicated scouts that will scout in 30-minute rotations with other teams in the alliance.

Requirements

- Teams must be in the Roebling Division
- Teams must commit to scout for qualification matches using Team 8's scouting system
- Teams must contribute a scouting squadron of 8+ members
 - Each member must pass a scouting test (written and practical) with a score of 100%. Unlimited attempts are allowed
 - At least one member (preferably 3) must own an iPhone with iOS 10+ that is capable of downloading the viewer app
 - Squadrons will only match scout; pit scouting data will be provided by Team 8
- Teams must designate one person as a scouting representative for organization purposes
 - This person may or may not be part of the squadron
- Teams must designate one person in the squadron to be a Squadron Lead
 - This person is held accountable for any members missing during their rotation
 - This person is in charge of making sure the entire squadron's data is scanned
- 3 strikes rule: After 3 instances where less than 6 members of the squadron show up on time for their scouting rotation, access to the app for the team is revoked

Scouting System ([Images](#))

There are three components to our scouting system:

- The **Collection App (iPad)** is used for match scouting, and generates a QR code at the end of each match to be scanned using the Viewing App.
- In addition to scanning QR codes, the **Viewing App (iPhone)** is used for pit scouting and for viewing data accessed from both the server and The Blue Alliance.
- A **server** performs calculations on all collected data and uploads it to Firebase.

Pre-Competition Logistics

- We will set up a Slack organization for all committed teams
- We will distribute collection and viewing apps to the teams in advance
 - Teams are responsible for thoroughly testing and training their own scouts (see Requirements)
 - At least one iPad with the collection app (iOS 9+) is required for each team for testing

Competition Logistics

- Squadrons will scout in 30-minute rotations
 - One squadron will be assigned to scout, and one will be assigned for backup
 - Squadrons should meet at a designated location in the stands at least 5 minutes before their rotations begin
 - Each team will provide one squadron and commit to having at least 6 members in the stands during scouting or backup duties
 - The specific members scouting at any time may change at the discretion of the team providing the squadron (provided the scouts are all trained)
 - Squadrons not on duty or on backup are free
- There will be at least one member of Team 8 in the stands at all times to assist the squadrons
- Team 8 will provide the scouting iPads for the collection application which will remain in the stands
- Team 8 will not provide iPhones necessary to download the viewing application and view the scouted data