

# Lab 1015 Game Instructions

## Game Components

2-4 Lab 1015 robots, 2-4 Android phones, access to download the phone application

## Object

To hit other robots with a phone controlled laser and be the last robot to have not been hit three times.

## Rules

**Warning:** Do not shoot lasers into human eyes.

## Set Up

Download the application onto your android phone.

Open the application, and agree to allow it to connect with Bluetooth.

Turn the on switch on

## Play

The players turn their robots on and connect to their robots through their phone applications. Then, players stand about five feet away facing each other and put their robots at their feet. As soon as all robots are on the ground, they can begin giving their robots commands. Their goal is to hit the other robots with their robot's laser. They can aim by turning and then shoot by saying SHOOT into their applications. The other robot can run away and avoid the attack by going FORWARD, BACKWARD, LEFT or RIGHT. When someone hits the other person's robot, by hitting their sensors, the robot will spin. The first two times that a robot is hit, it will spin. The third time, it will spin, then stop moving completely. You will need to turn the robot off and on again to keep playing with it.

## Winning

The person with the last robot with remaining lives wins!

## **Note:**

### **Lasers:**

Lasers are registered from 30 m away.

Laser sensor breadth: 180 degrees, 2 sensors per robot

After being shot, a robot will not register hits for 2 second