Overview
This document describes the process to use the Live Remote Practice Match System deployed on www.RobotEvents.com for VRC teams. This system allows registered (and paid) VRC teams to practice competition matches remotely in advance of the release of the Live Remote Tournament system in November of 2020.

Required Material and Technical Specifications
Teams need the following to use the Live Remote Practice Match System:

- Active and paid season registration on RobotEvents.com
- Full competition field and game elements
- Internet access
- USB webcam (720p or higher resolution) that can be set a minimum of 7’ high and 7’ back from field
- Computer that will connect to the USB camera
- Chrome browser on the computer
- V5 Robot running VEXos 1.0.12 or later
- Micro USB to USB cable

Setup your competition field per the October 1, 2020 Game Manual updates for VRC available at RoboticsEducation.org. Please note that there is a D-I-Y field option available for this season only.

Using the Live Remote Practice System
1. First you will need to install Google Chrome on your desktop.
2. Navigate to Chrome://Flags in your Chrome browser and enable “Experimental Web Platform Features.” Don’t forget to restart your browser.
3. Go to practice.robotevents.com
4. Login with your RobotEvents.com credentials.

5. Select your team with the drop-down list.

6. Select your audio and video input. 
   **NOTE:** You may have to provide permission to your browser in order to access your microphone and/or camera.

7. Adjust camera to align purple field diagram to fit within the inside perimeters of your field. The camera should face the field in accordance with the VRC Game Manual.  
   **NOTE:** The images in these instructions would need to be rotated 90 degrees to comply with the VRC Game Manual set up required for Live Remote Tournaments.
8. Click Connect Controller and choose which controller you wish to pair with. Once selected click connect.

9. Once you connect controller, go to controller and run you desired program and confirm that program is running. Once program is running select “My Field is Ready”, and this will take you to the team lobby.

**NOTE:** You must be using VEX OS version 1.0.12 and have a program downloaded and running.

10. When you are in the lobby select a match by clicking “Join” and you will be connected to that match lobby.

**NOTE:** You can also click “Create Match” if you don’t see any matches to join.
11. When in match, you will have views of both yours and your opponent’s fields. As soon as you are ready to begin match select “Ready” and match will begin.

**NOTE:** Both teams must select “Ready” for match to begin.

12. Match will begin with the 15 second Autonomous period. Once Autonomous ends, both teams will need to update their scores by clicking “Update Your Score”.

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14. Once your team's score is updated, you will then need to verify each other's score by clicking “Verify Score”. You will click score is valid and proceed to Driver mode.

15. Driver mode will appear, and you will need to start match by clicking “Ready”.

16. Once both teams are ready a 3 second timer will appear, and match will begin.

17. Once Driver mode has ended you will need to update your teams score by clicking “Update Your Score”. Once your score is inputted you will need to finalize your score by clicking “Finished Scoring”.

18. After updating your teams score you will then need to verify the other teams score by clicking “Verify Score”. Once scoring is confirmed click “Score Verified”.
19. Once all scoring is finalized the match will end. Click “Leave Match” to return to the Team lobby.

**Feedback and Support**

If you have questions or need support, please contact remotessupport@robotevents.com or use the chat function in the bottom right corner of practice.robotevents.com.