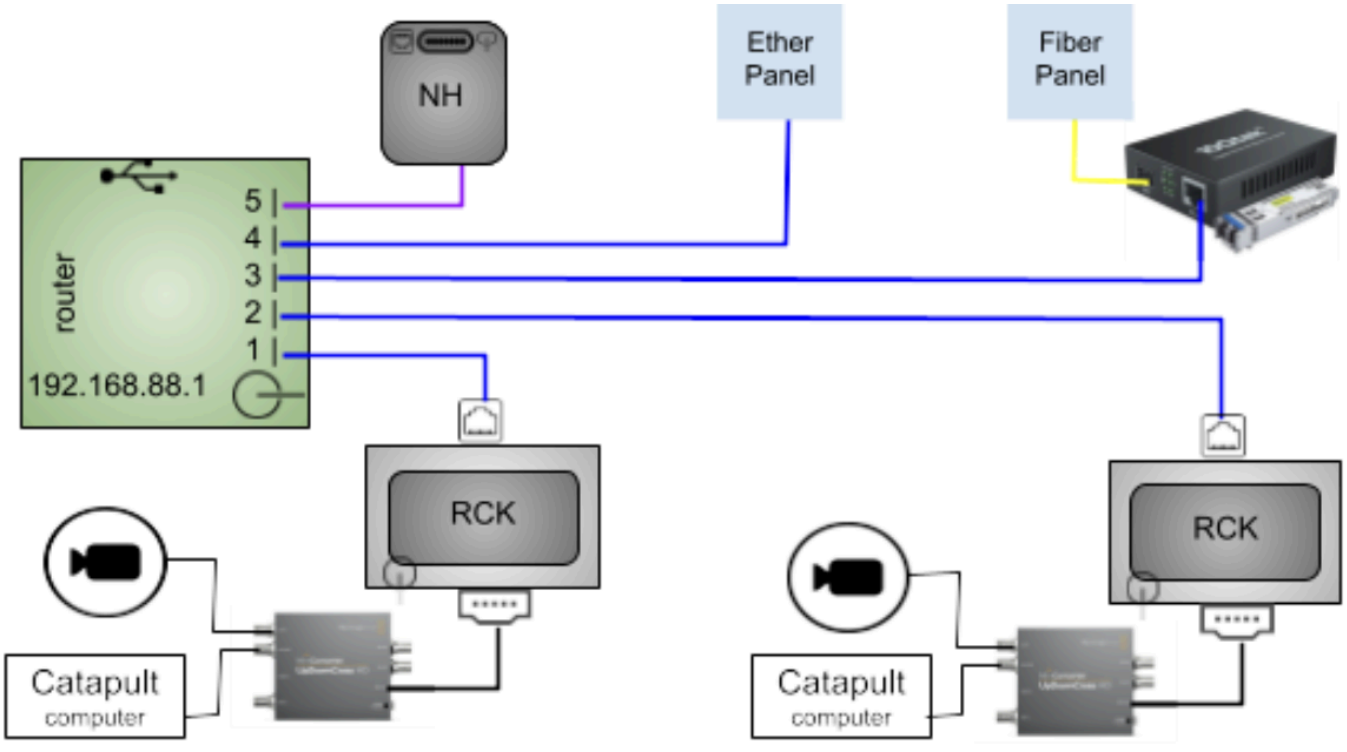
SkyCoach Capture in Control Room

Control Room

Power the Host Box and both Remote Camera Kits (RCK) in the control room.

1. Prepare Router for RCK Connections
    a. Disconnect the SkyCoach antennas from the Host Box
    b. Disconnect the POE injectors ethernet cable from the router to open ports for the RCKs
2. Camera Feed Connections
    a. Connect SDI from home team fiber converter to the UpDownCross converter SDI in
    b. Loop SDI to home team catapult system
        i. Alternatively connect SDI from confidence monitor SDI connection to UpdownCross converter
    c. Connect the UpdownCross converters HDMI out to the RCKs HDMI in
    d. Connect the RCKs to the Host Box router via ethernet
3. Control Room to Sideline Connection
    a. Connect the Control room fiber patch panel sideline port to the fiber to ethernet converter
        i. Use the ST connector for the fiber patch panel and LC connector for the converter
    b. Connect the fiber to ethernet converter ethernet port to the Host Box router
        i. Do not plug in to a POE injector
4. Control Room to Coach Room Connection
    a. Connect the Host Box router to an ethernet port on the patch panel that links to the coach room

Control Room Diagram



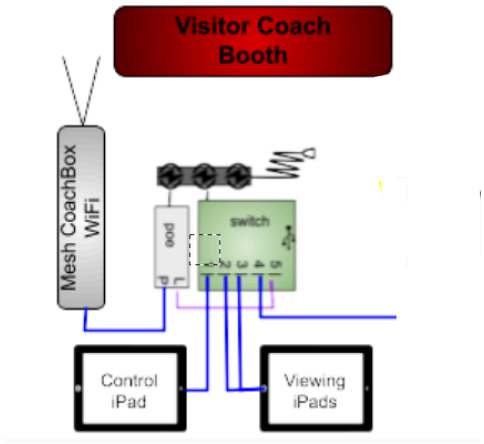
Coach Room

1. Connect the Coach Box switch to the ethernet port that matches the one connected to in the control room

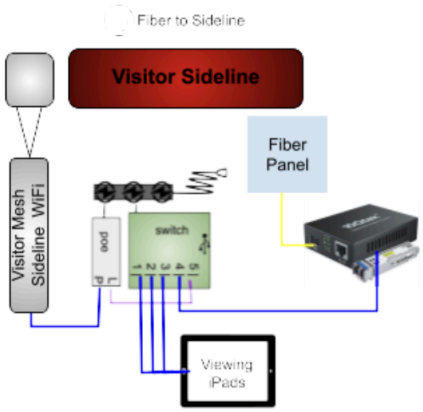
Visiting Sideline

1. Connect the sideline fiber patch panel port to the fiber to ethernet converter
    a. Use the ST connector for the fiber patch panel and LC connector for the converter
2. Connect the fiber to ethernet converter to the SkyCoach switch
    a. Do not connect it to the the POE injector
    b. Use a long ethernet cable to get the Sideline Box closer to the team area
    c. Use a long power extension cord to reach the Sideline Box to power it

Coach Room Diagram



Sideline Diagram



Video Examples

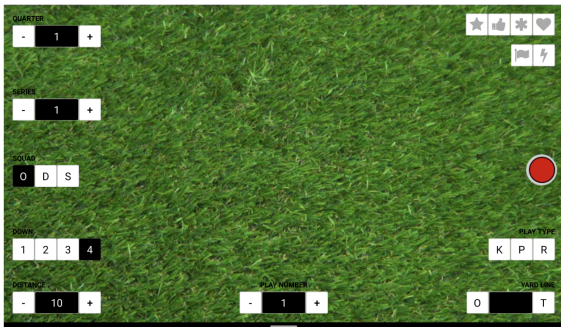
Connecting Host Box to Sideline Box using Fiber - Link the visiting coach room to sideline using fiber

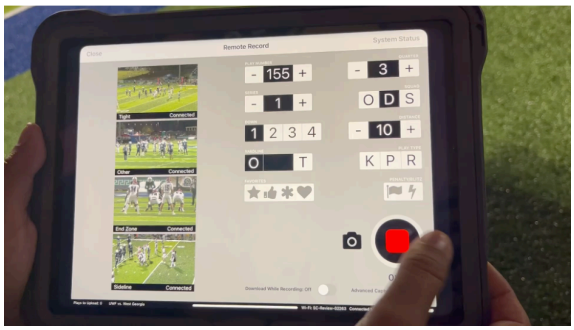
Connecting the Host Box Router to Fiber Panel - Link the visiting control room to the visiting sideline using fiber to ethernet converter.

Connecting the Sideline Box Switch to Fiber Panel - Link the visiting sideline to the visiting coach room using fiber to ethernet converter.

Disconnect Fiber LC Connectors - This video shows how to properly disconnect the LC fiber connectors

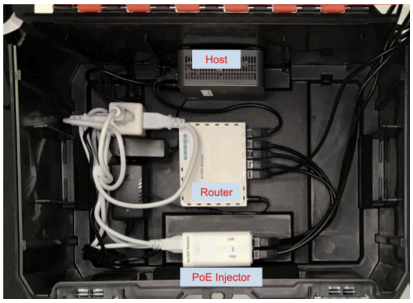
Clip in Control Room with RCK or in Coach Room with iPad



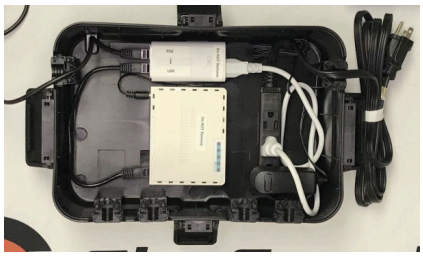


Parts Needed

1 X Host Box



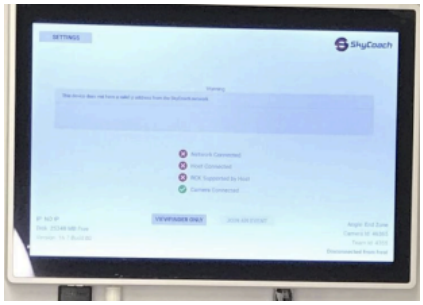
1 X Coach Box



1 X Sideline Box

1 X Sideline Stand

2 X RCKs



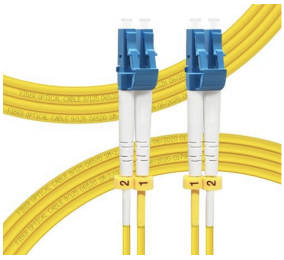
2 X UpDownCross Converters

2 X SDI Cables

2 X Fiber to Ethernet Converters

6 X Fiber LC to ST Jumpers

6 X Fiber LC to ST Jumpers



2 X HDMI Cables

Several Power Strips
8 total items to plug in the control room. Some plugs take more space than regular plugs. Must account for 1 host box, 2 RCKs, 2 fiber to SDI converter, 2 UpDownCross converters, 1 fiber to ethernet converter

1 total plug in the coach room. 1 coach box

2 total plugs on the sideline. Sideline Box and fiber to ethernet converter

Extension Power Cables
On the sideline the power for the Sideline Box may be a good ways from the optimal location for the Sideline Box box and antenna

100ft Ethernet Cables
Use the 100ft ethernet to connect the fiber to ethernet converter to the Sideline Box

Recommended USB C to Ethernet Adapters
The switches in the Sideline Box and in the Coach Box allow you to connect your iPads to the SkyCoach network via ethernet. This may be necessary in some of the larger environments.

Bring 6 LC and ST fiber jumpers. The school may be using one or the other. Best to have both scenarios covered.