

# Router Setup Guide



**1.** Unbox the Router and Battery

**2.** Slide the battery voltage switch to **12V**  
(higher voltages might damage the router)

**3.** Plug the cable (included with the battery) into the **OUTPUT** port on the battery and the power port on the router.

**4.** Connect the Router's antennas if needed

**5.** The lights on the router should start flashing and in a few minutes you can connect to the WiFi network  
(if the lights don't come on, press the power button on the battery and make sure its charged)



**Do not plug the 19V power adapter into the router.**

**Only use the 12V power adapter with the router.**

# Mac Software Setup Guide



1. Download and install **RECentral** from the echo support website: <http://www.echo1612.com/support>

2. Download and install **echo1612** to your desktop from the echo support website

3.  Launch the **RECentral** software on the computer

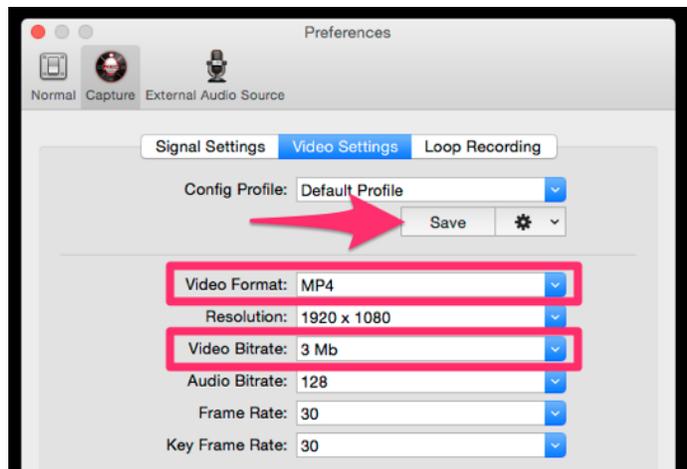
4. Follow the **Camera Setup Guide** and turn on your **Camera**

5. Wait for the camera feed to display on the **RECentral** software  
(if you hear feedback, mute the computer)

6. Click the **Settings** button at the bottom  
Click the **Enter** button



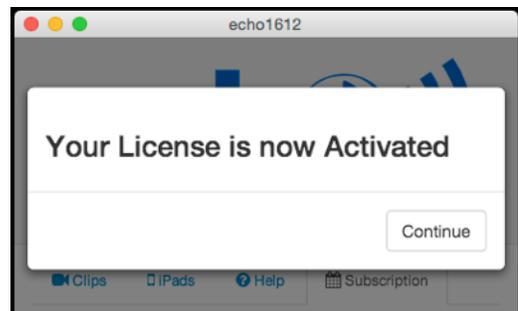
7. Click the **Capture** Tab  
Click the **Video Settings** Tab  
Set **Video Format** to **MP4**  
Set **Video Bitrate** to **3 Mb**  
Click **Save**  
Close the window



8.  Click the **Circle** under the **Enter** button

9.  Launch the **echo** app on the computer

10. Enter your license key that was included in your welcome email.



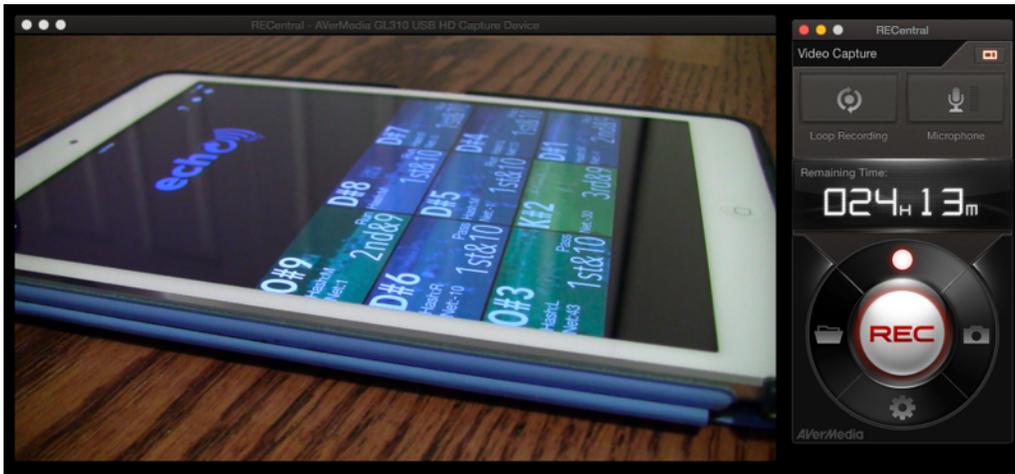
11. Follow the **Quickstart Guide: Mac**

# QuickStart Guide: Mac



1. Launch the **RECentral** software on the computer

2. Wait for the camera feed to display on the **RECentral** software  
(if you hear feedback, mute the computer)



(you should see a 1-2 second delay. It is **important** that you stop recording after you see the play finish on the preview screen)



3. Launch the **echo** app on the computer

4. Press the **REC** button to start and stop recording a clip  
(you can also press the round glowing button on the AVerCapture box itself)

## Connect your iPad

2. Connect the iPads to the **echo 5** wifi network

3. Start **echo1612** on the iPads

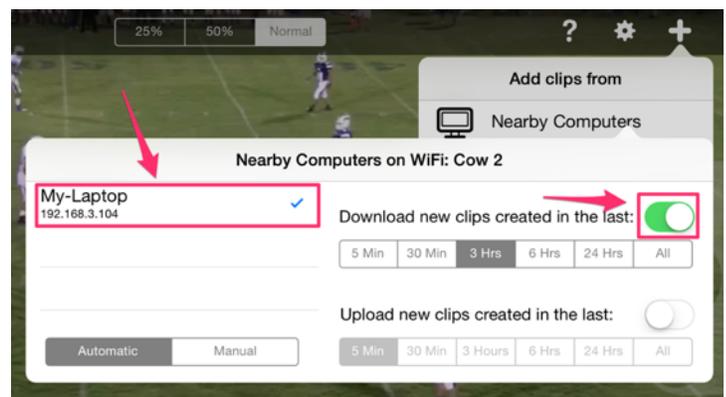
4. Tap the **Add Clips** button at the top of the screen and select **Nearby Computers**.

(If you see **SEARCHING** please follow the **Manual Connection guide**)

Now **select** your computer from the left and turn on **Download New Clips** and set the time to **ALL**.

(Any recorded video clips should start downloading)

1. Turn on your iPads and if needed install **echo1612** from the app store



# Camera Setup Guide

**Please follow the Software Setup Guide before continuing.**

- 1.** Turn on the Router using the **Router Setup Guide**
- 2.** Connect the computer to the **echo 5** wifi network or to the router using a **cat 5** cable
- 3.** Plug the **USB cable** into the **AVerCapture HD** box
- 4.** Plug a **HDMI cable** into the **AVerCapture HD** box's **IN** port
- 5.** Plug the **AVerCapture HD's USB cable** into the computer
- 6.** (if required) use a **mini HDMI adapter** to connect the **HDMI cable** to the **Camera**
- 7.** Plug the **HDMI cable** into the **Camera**

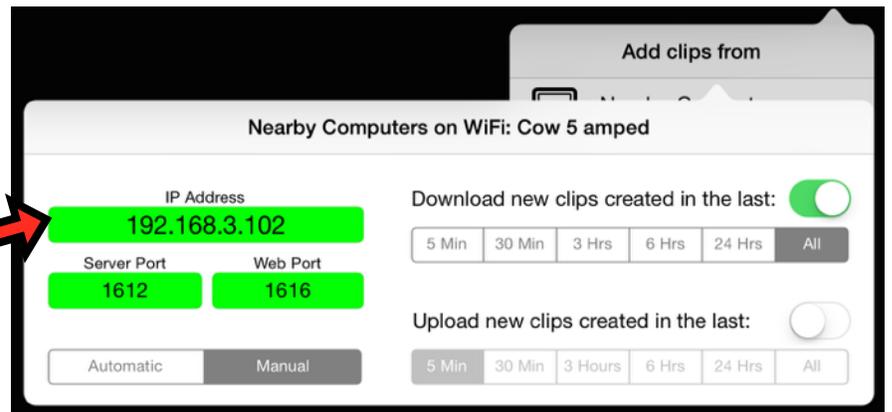
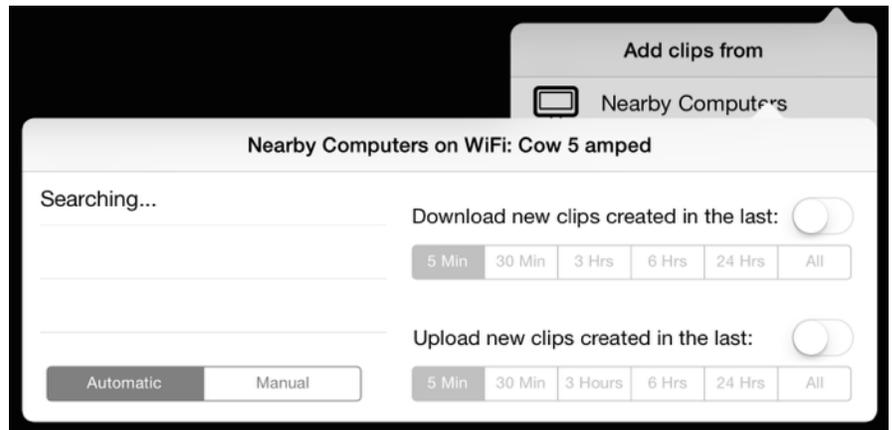


- 8.** The camera should now be connected to the computer
- 9.** Turn the camera on and make sure HDMI mirroring is enabled (If you see video in the **RECentral** software then mirroring is enabled)

# Manual Connection



1. If you only see **Searching** then click the **Manual** button
2. Verify that the iPad and Computer are on the **echo 5** wifi or connected to the router with a **cat 5** cable.
3. Open the **echo** app on the computer and click the **Help** tab.
4. Type the **Server IP** from the computer into the **IP Address** field on the iPad



5. On the iPad **Turn On** download new clips and set the time to **ALL**.
6. Any recorded clips should start appearing on the iPad.

## Tips

If your IP address changes on the computer, you will need to update the iPads.

If you still can't connect, make sure your computer's firewall is not blocking echo.

A typical IP address is: 192.168.3.10X

Make sure you are connected to the same network.

# echo 5 WiFi



echo 5 runs on a 5GHZ frequency while echo 2 runs on a 2GHZ frequency.

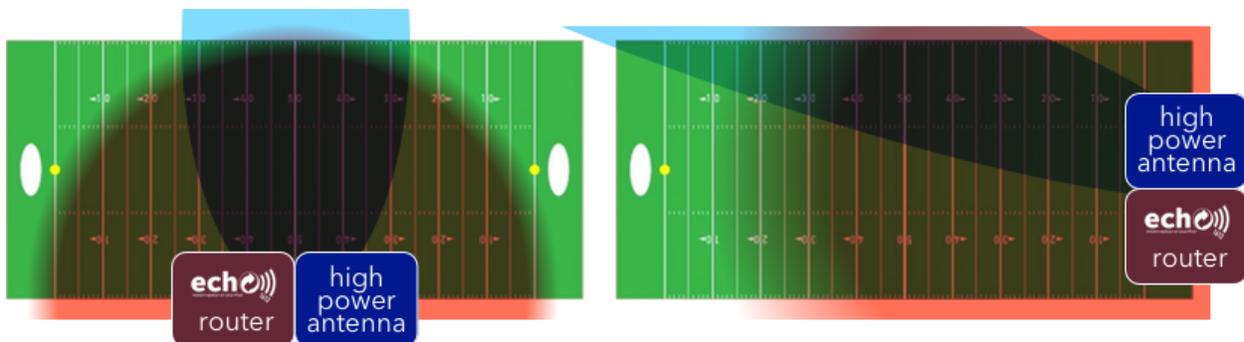
We recommend you connect to the **echo 5** wifi network on your iPads.

If your computer can't see **echo 5** wifi and can only see **echo 2** then we recommend connecting the computer to the router with a **cat 5** cable.

Plug the **cat 5** cable into **Port 1** on the router and the **cat 5 port** on your laptop.



## High Power Antenna



Connect your antenna to your router's antenna port closest to the **power cable**.

Point your antenna towards the coaches on the sidelines.

It is recommended that you keep your antenna 10 feet away from your headset antennas.

# Charging your Battery



To charge your battery, use the included **19 Volt** power adapter and plug it into the battery's **Input** port.

When all the charging lights stay solid, the battery is charged.

We recommend charging the battery before every game.

**Do not plug this charger into your Router, it is too powerful.**



# Router Programming Guide

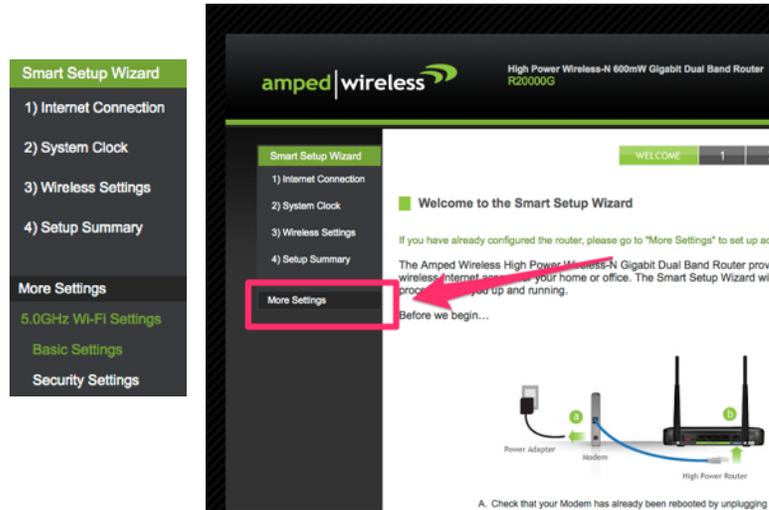


**Your router is already programmed, this is just for reference.**

1. Power on the router and connect to the WiFi network **Amped\_5.0GHz** (the password is **wireless**)



2. In your browser goto: <http://192.168.3.1> (login: **admin** pass: **admin**)

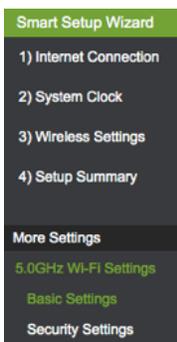


3. On the left menu bar, click **More Settings** then **5.0GHz WiFi Settings** then **Basic Settings**

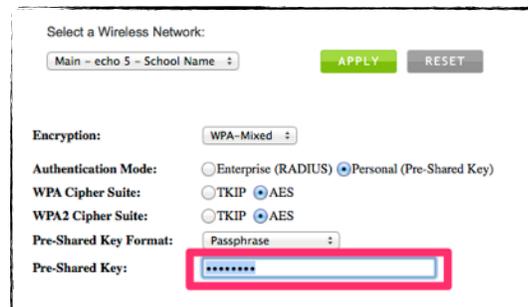


4. Change the SSID to **echo 5 - School Name** and press **APPLY**

5. Press **Reboot Later**

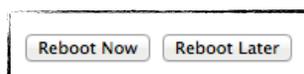


6. Now click **Security Settings** on the left



7. Change the **Pre-Shared Key** to **touchdown** and press **APPLY**

8. Press **Reboot Later**



9. Repeat steps 3-8 for the 2.4GHz Wi-Fi Settings except you will change the SSID to **echo 2.4 - School Name** and you will Press **Reboot Now** on Step 8

# Router Password Guide

This guide will help you change your wireless network password.

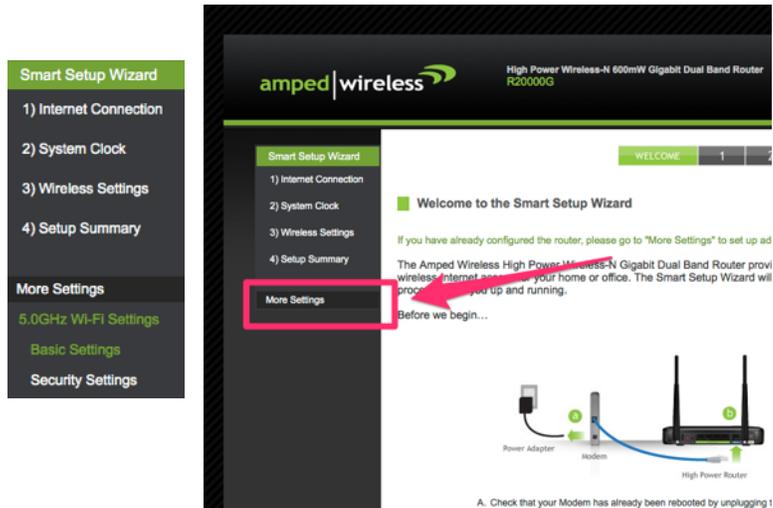


**Your router is already programmed, this is just for reference.**

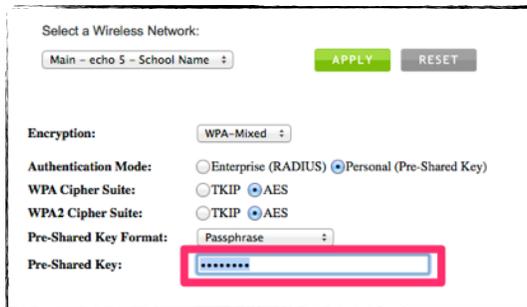
1. Power on the router and connect to the WiFi network **echo 5 - School Name** (the password is included with your school license)



2. In your browser goto: <http://192.168.3.1> (login: admin pass: admin)



3. On the left menu bar, click **More Settings** then **5.0GHz WiFi Settings** then **Security Settings**



4. Change the **Pre-Shared Key** to **YOURPASSWORD** and press **APPLY**

5. Press **Reboot Later**



6. Repeat steps 3 and 4 for the **2.4GHz Wi-Fi Settings** and you will Press **Reboot Now** on Step 5