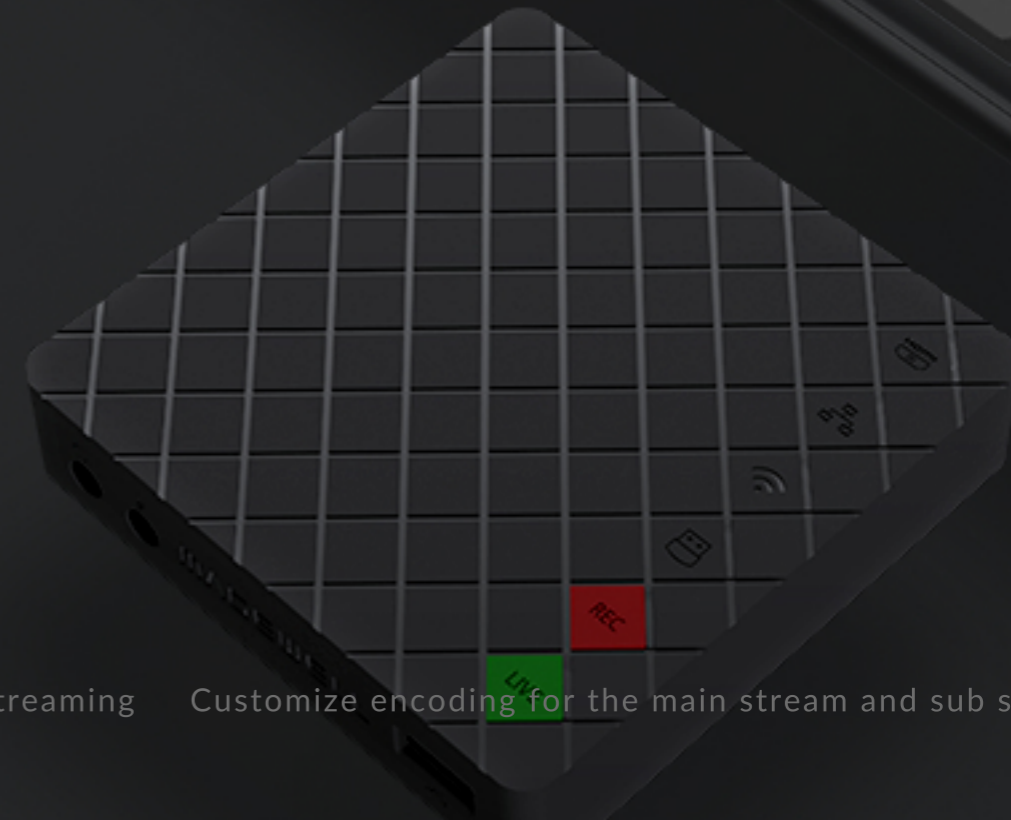


ULTRA STREAM™ HDMI

Quick Start Guide



Record to mobile phone or USB 4K 4:2:0 input & loop-through 1080p60 recording & streaming Customize encoding for the main stream and sub stream

01

Brief Introduction



- Record to mobile phone or USB
- 4K 4:2:0 input & loop-through
- 1080p60 recording & streaming
- Customize encoding for the main stream and sub stream

- Event Recording
- Online Tutorials
- Game Broadcasting
- Sports Broadcasting

02

Free Download Ultra Stream App



Android

Android 5.0 and above

Scan the QR code

to download



iOS

iOS 9.0 and above

Search **Ultra Stream** or **Magewell**

in the App Store

03

Network Connection Option 1 Wired Ethernet Network

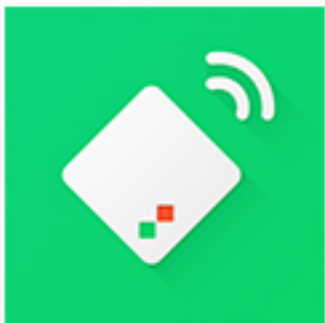
Step 1

Plug the power cable and Ethernet cable into your encoder.

- The LED indicators will light in rotation as the unit boots.
- Wait for about 1 minute and the boot up will be done.
- Now the Ethernet indicator will be on, while all the other indicators will be pulsing slowly.

Step 2

Tap the [Ultra Stream](#) app icon on your phone.



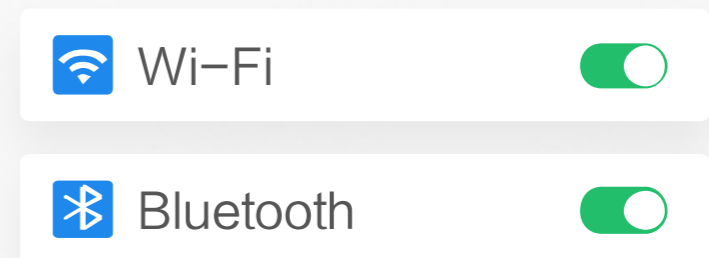
03

Network Connection Option 1 Wired Ethernet Network

Step 3

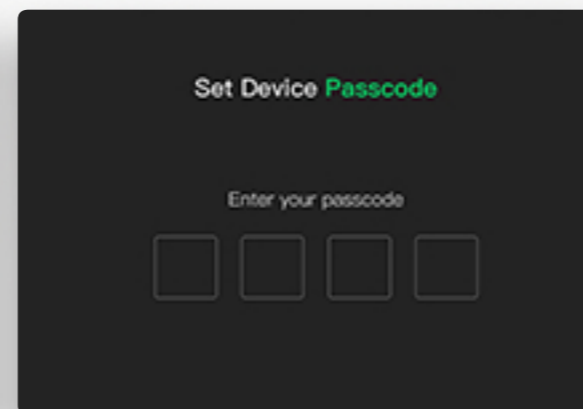
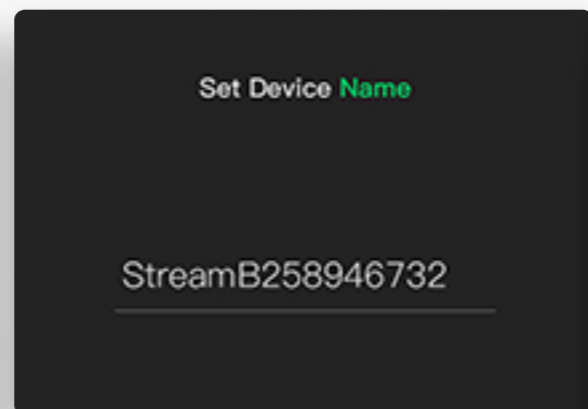
Turn on **Wi-Fi** and **Bluetooth** on your mobile device as requested by the app, and make it discoverable to nearby devices.

- The wireless network your mobile device is connected to and the wired network the encoder is connected to must be within the same network.
- Your phone and encoder must be close to each other (less than 10m apart, best within 2 m).



Step 4

Initialize the device following the on-screen instructions: set the device name, and passcode.



03

Network Connection Option 2

Wi-Fi

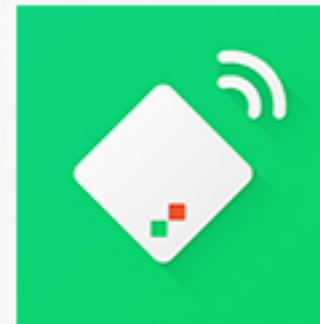
Step 1

Plug the power cable into your encoder.

- The LED indicators will light in rotation as the unit boots.
- Wait for about 1 minute and the boot up will be done.
- Now all the indicators will be pulsing slowly.

Step 2

Tap the [Ultra Stream](#) app icon on your phone.



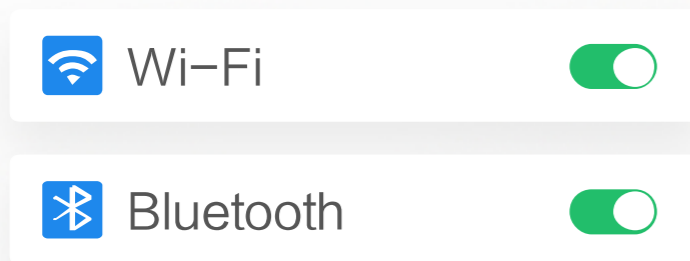
03

Network Connection Option 2

Wi-Fi

Step 3

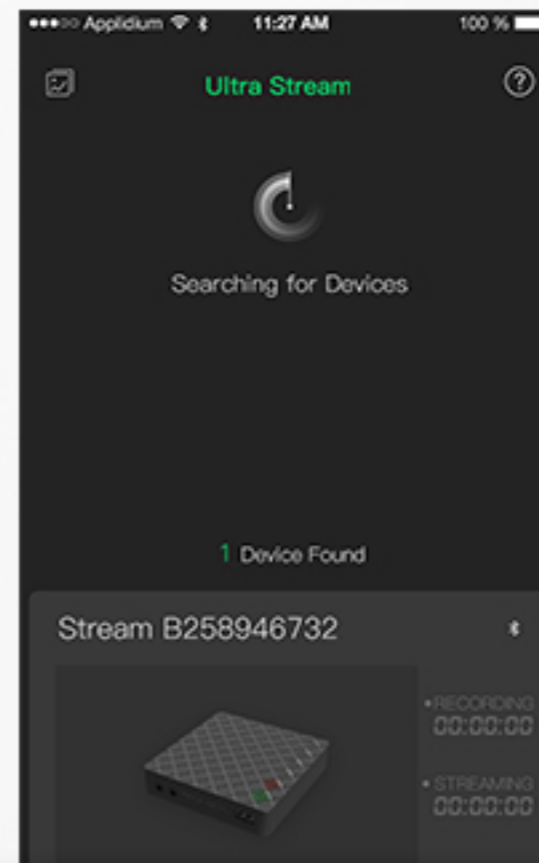
Turn on **Wi-Fi** and **Bluetooth** on your phone, and make it discoverable to nearby devices.



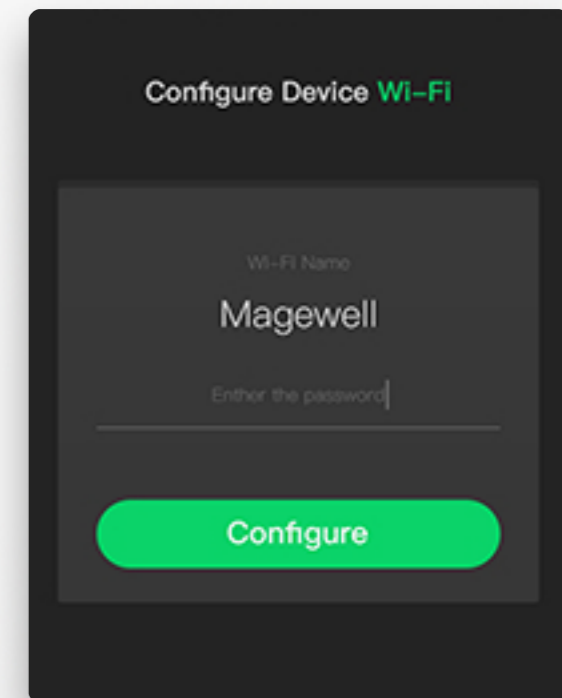
- Turn on Location Service and authorize to the app for Android 6.0 and above.
- Your phone and encoder must be connected to the same Wi-Fi network.
- Your phone and encoder must be close to each other (less than 10m apart, best within 2 m).

Step 4

Follow the screen instructions to **configure the device for Wi-Fi**.



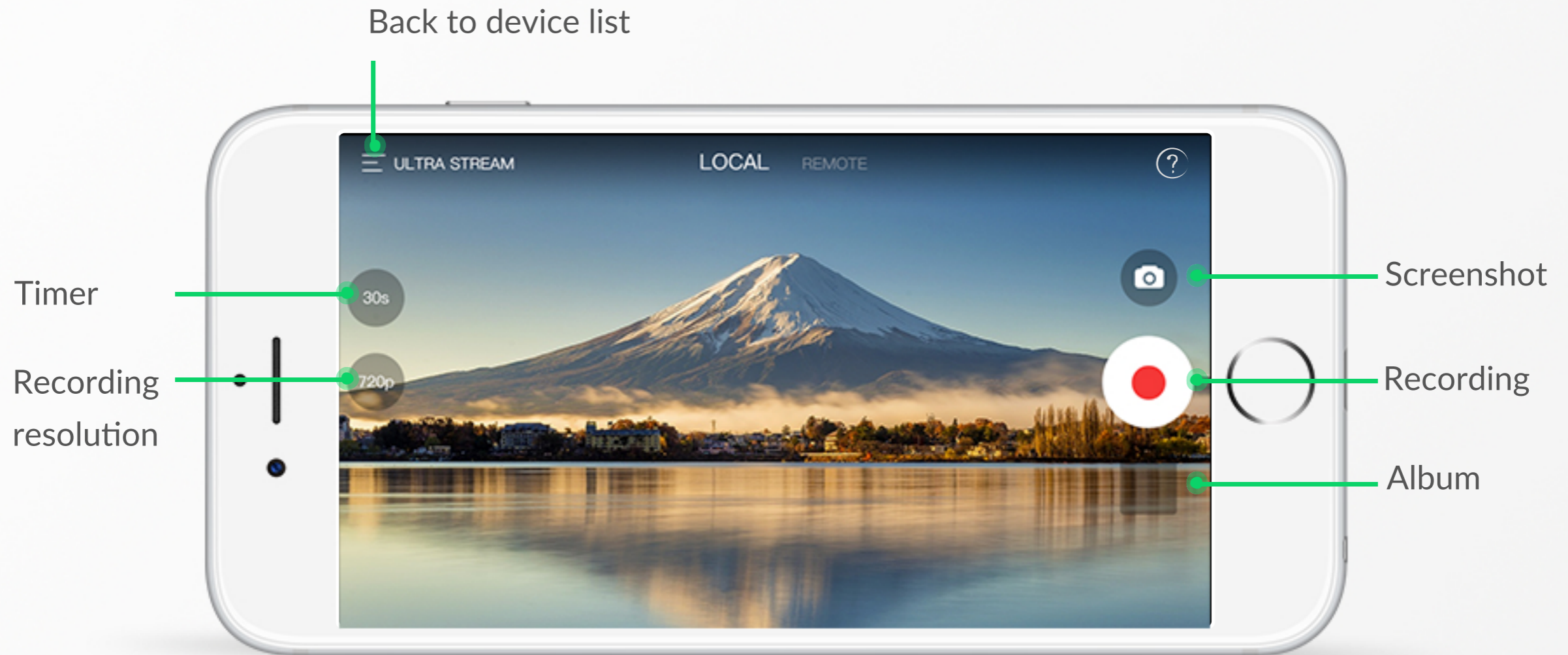
CONFIGURE DEVICE Wi-Fi >



- Enter the Wi-Fi password. If there is no password, click "Configure".

04

Record Videos to Your Smartphone



05

Record Videos to a USB Flash Drive

Step 1

Plug in a USB flash drive.

Check whether the USB write speed passes the test:
tap SETTINGS > USB Flash Drive > Performance Test.



Step 2

Start recording by pressing the red **REC** button located on the top panel of the device, or tapping the **REC** icon on the **REMOTE** interface in the app.

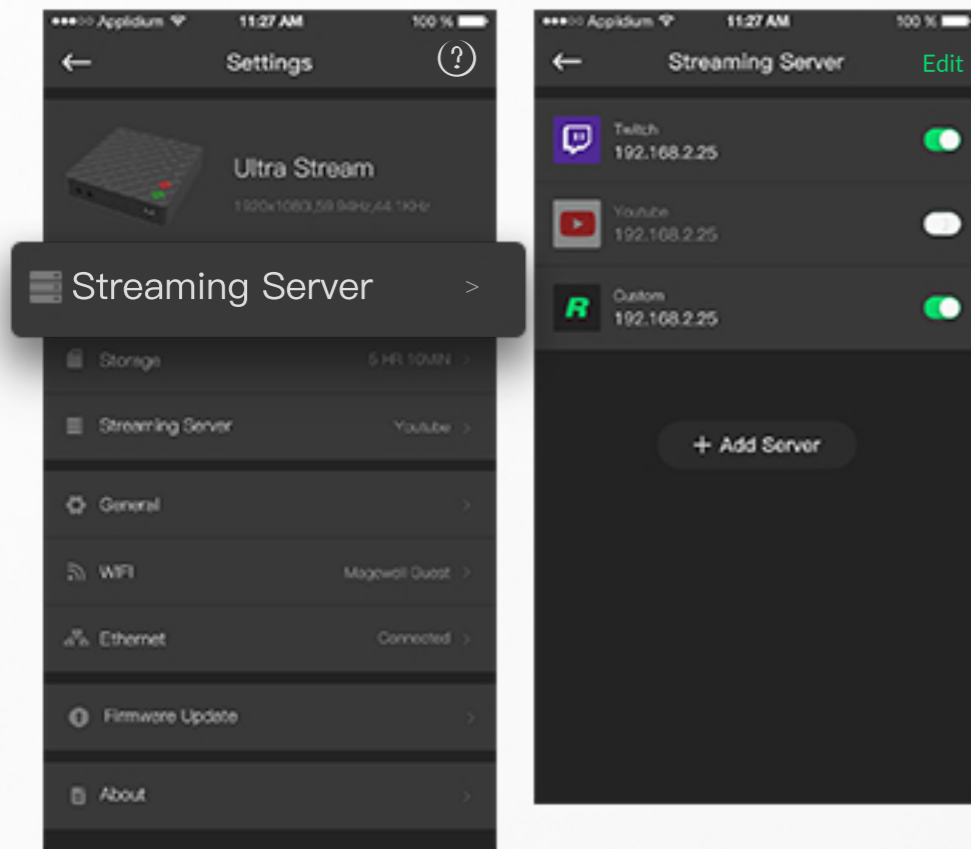


06

Live Streaming

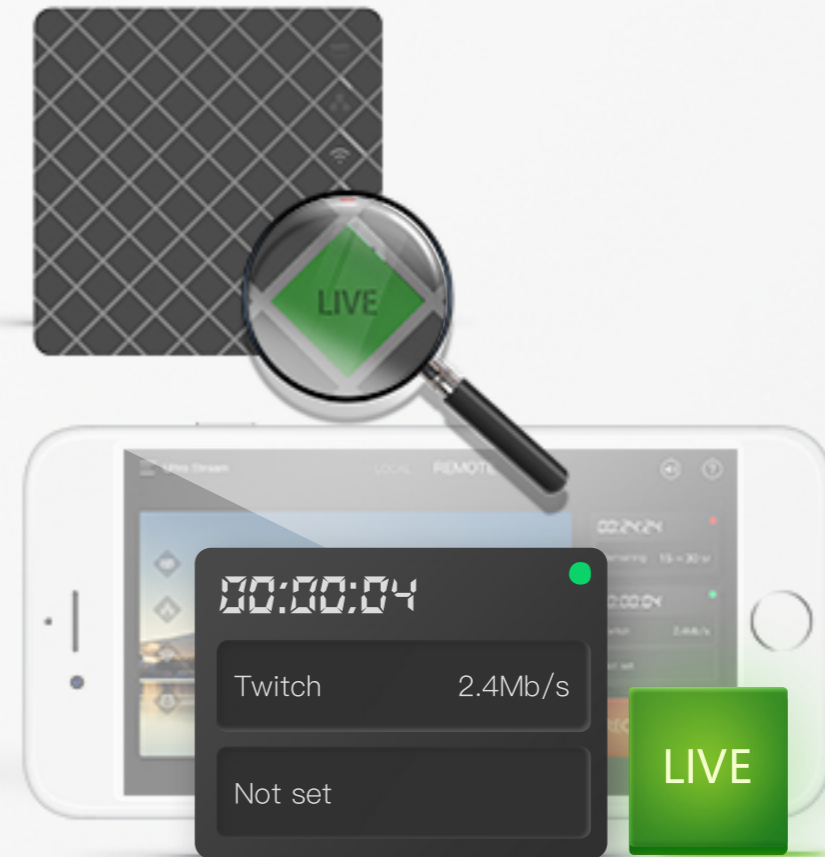
Step 1

Tap **SETTINGS** > **Streaming Server**, choose your preferred streaming platforms, and set up properly for your broadcast.



Step 2

Start streaming by pressing the green **LIVE** button located on the top panel of the device, or tapping the **LIVE** icon on the **REMOTE** interface in the app.



07

Tech Specs

HDMI Input Features

- Support for up to 4096x2160 4:4:4/4:2:2 30fps or 4096x2160 4:2:0 60fps input signals
- Support for 8/10/12-bit color depth
- Support for 60p, 60i, 50p, 50i, 30p, 25p signal format

USB Flash Drive Recording

- Support for recording resolutions: 1920x1080, 1600x1200, 1440x1080, 1440x900, 1280x1024, 1280x960, 1280x800, 1280x720, 1200x900, 1024x768, 960x540, 800x600, 768x576, 720x576, 720x480, 640x480, 640x360, 480x360
- Support for recording frame rates: 60 FPS, 50 FPS, 30 FPS, 25 FPS, 24 FPS, 15 FPS

Live Video Streaming

- Compatible with Flash Media Server, Wowza, Red5, Nginx
- Support for live streaming to Twitch, YouTube
- Support for streaming to 2 servers simultaneously

Supported Smart-phone OS

- Android (Android 5.0 and above)
- iOS (iOS 9.0 and above)

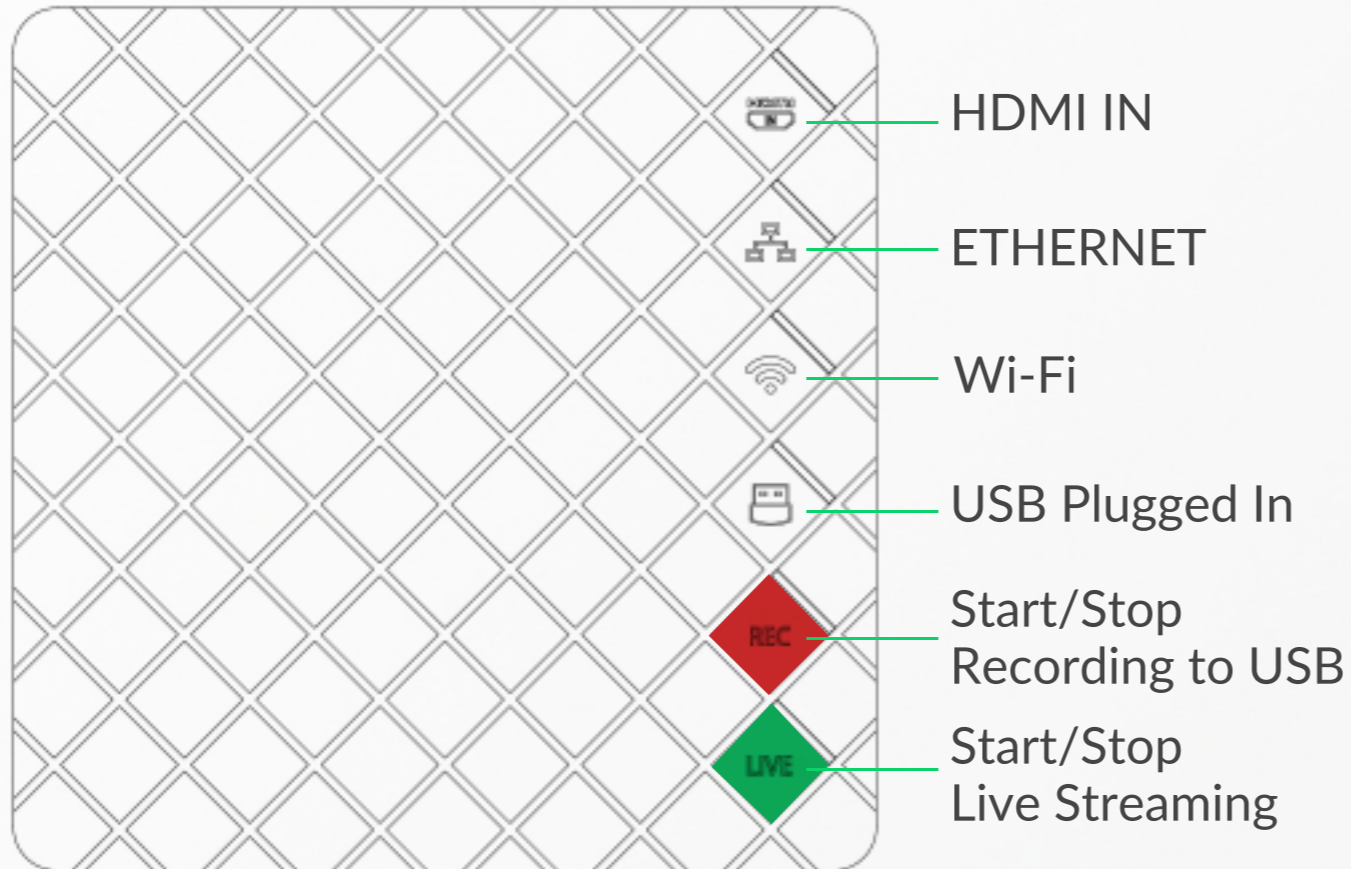
Power Port

- 5V/2A

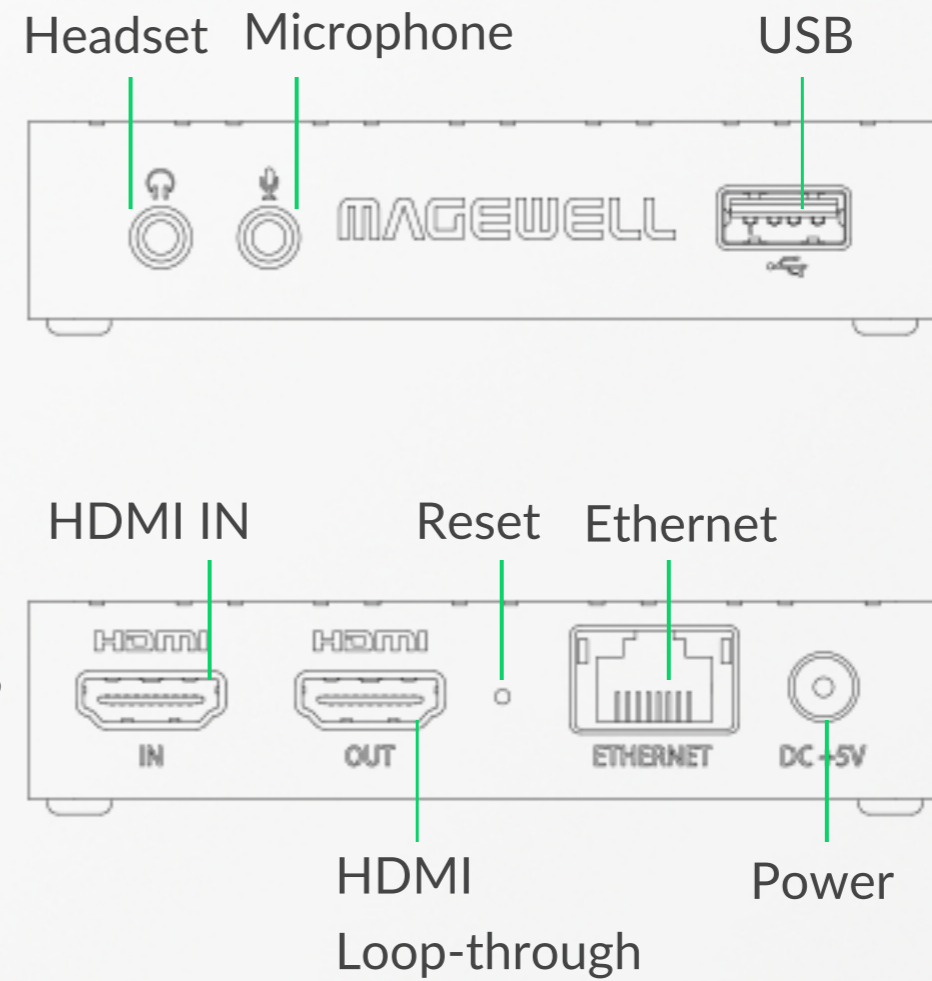
08

Interfaces and Indicators

Indicators and buttons



Interfaces



09

TROUBLESHOOTING & FAQ

Can't Find Encoders in the App

“Can't Find Device” means that the encoder and your phone can not communicate.

Follow these procedures to check and correct to eliminate the trouble:

- 1 Make sure the encoder starts up:
 - a. Make sure the AC adapter is plugged in properly.
 - b. The first four indicators should be on or pulsing slowly.
- 2 If connecting via Wi-Fi: Reset all settings by pressing and holding the red REC button on the top panel for more than 5 seconds, then reconfigure Wi-Fi.
- 3 If connecting via Ethernet cable:
 - a. Make sure the green RJ45 indicator is on, and the yellow one is flashing.
 - b. Make sure that the wireless network your mobile device is connected to and the wired network the encoder is connected to are within the same network.
- 4 Make sure Bluetooth works on your phone:
 - a. Turn on Wi-Fi, turn on Bluetooth and make your phone discoverable.
 - b. Make sure your phone and the encoder are close to each other (less than 10m apart, best within 2 m).
- 5 For Android 6.0 and above: turn on Location Service and authorize data to the app.
- 6 Make sure that Wi-Fi function of your phone is turned on and that your phone can access wireless network.
- 7 Make sure that there is not an other phone trying to configure the encoder's Wi-Fi via Bluetooth simultaneously.

How to Stream and Record Video with Narration

Plug in a microphone, then you can stream and record your narration and comments.



How to connect a different Wireless Access Point

- 1 Change the Wi-Fi network that your phone is connected to.
- 2 Open Ultra Stream app, then reconnect the device.

Forget Password/Reset Device Settings

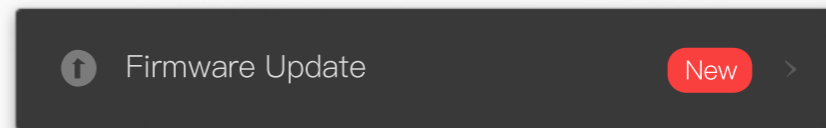
Press and hold the red REC button on the encoder panel for more than 5 seconds to reset all settings, then reconfigure the Wi-Fi.

Note: Resetting the device will not affect the firmware.

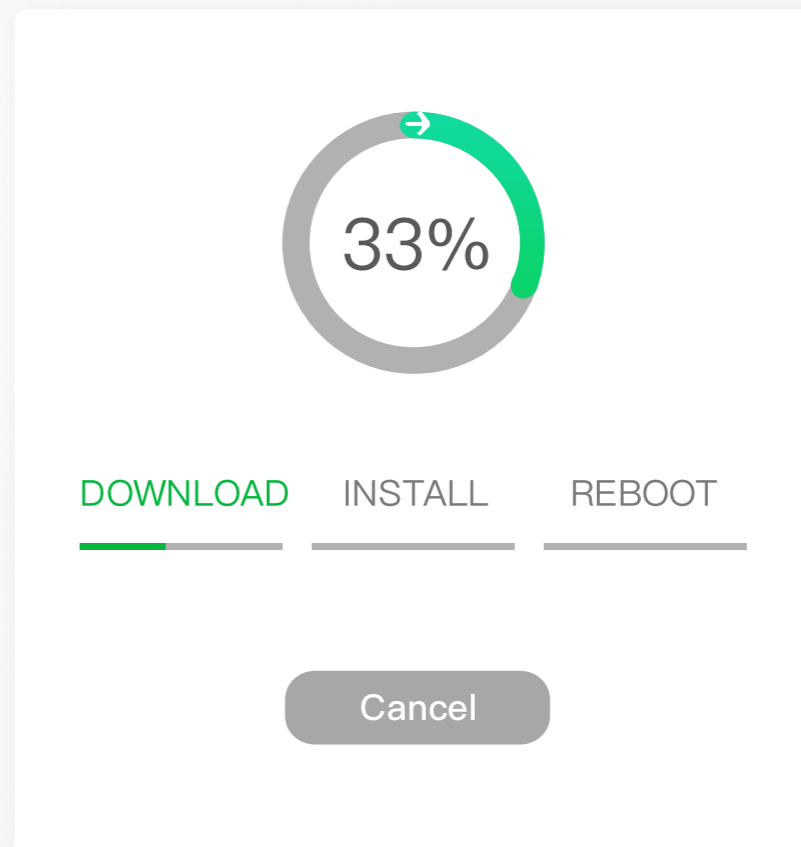
How to Update Firmware

Ultra Stream HDMI allows users to update its firmware online. The procedure is as follows:

- 1 Click **Firmware Update**. The unit will automatically detect if there is a new version.




- 2 Tap **Update Now**.



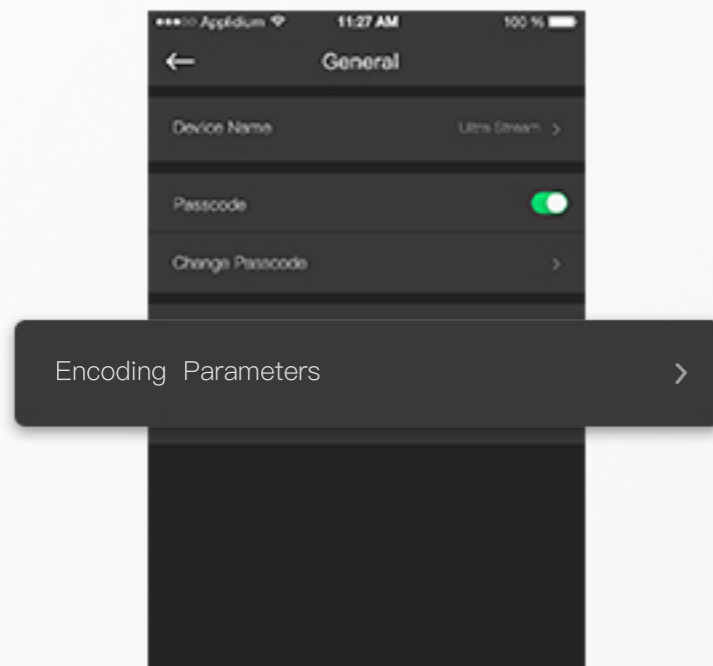
- 3 During the upgrade, please do not disconnect the network, and do not exit the application.
- 4 The encoder restarts after the update.

Can't Hear any Sounds

- 1 Turn up the volume on your phone.
- 2 In the device list, tap **REMOTE**, then tap the audio button  to turn on all audio I/O and drag the sliders to change the volume level for HDMI, Microphone, and Headset.
- 3 Restart the app if there is still no sound after performing the above steps.

How to Change Streaming Format

Tap **SETTINGS > General > Encoding Parameters**, Set “Live Streaming to Server”, then edit settings accordingly.



How to Change from Wireless to Wired Internet Connection

Plug the Ethernet cable into your encoder, then search and pair the device again in the Ultra Stream app.

Note: The wireless network your mobile device is connected to and the wired network that the encoder is connected to must be within the same network.

Can't Connect to a Device Already in Use

Currently, an Ultra Stream device can only pair to one mobile phone and a mobile phone can only be paired with one Ultra Stream device at the same time.

How to Unpair an Encoder

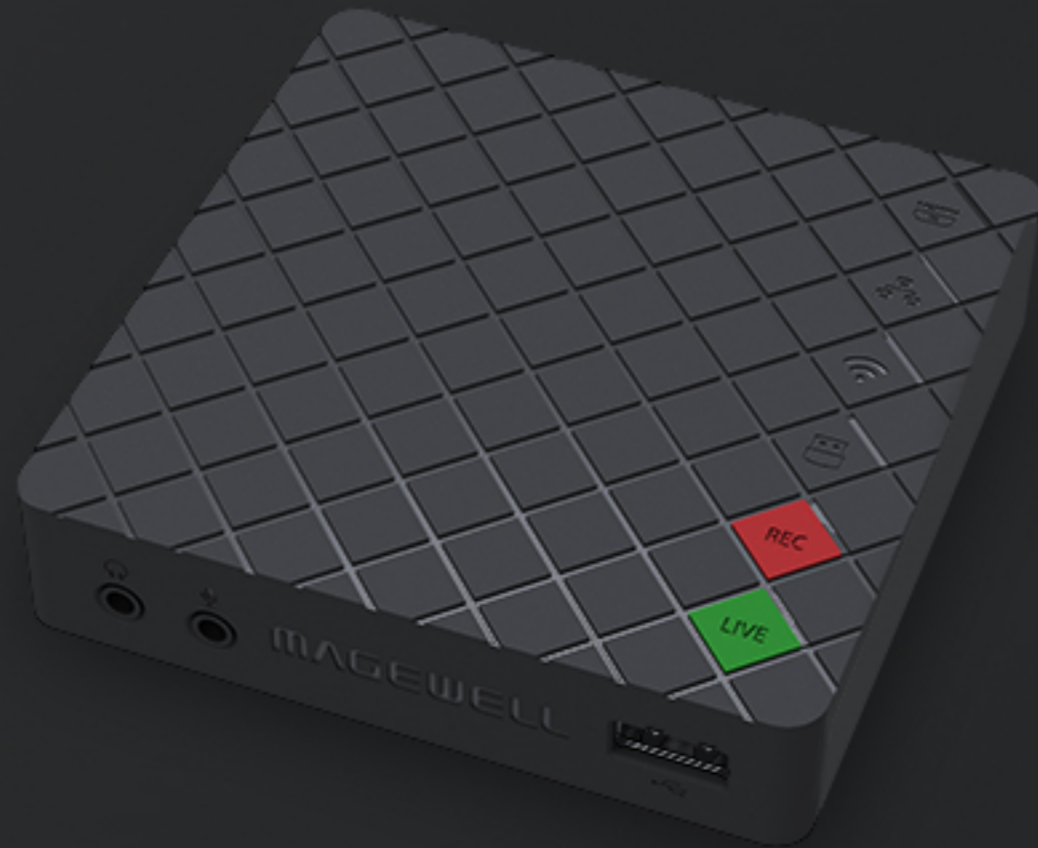
There are 3 ways to unpair an encoder in the Ultra Stream app:

- Go back to the device list.
- Run the application in background.
- Quit/Exit/Close the application.

Contact the Magewell Support Team

- Email: support@magewell.net
- FAX: +86-25-52070647-8008

MAGEWELL™



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