MAGEWELL 53010 Ultra Stream HDMI Encoder User Guide

ULTRA STREAM"
Quick Start Guide

Record to mobile phone or USB 1080p60 recording & streaming
4K HDN11,12K SDI input & loop-through Customize encoding for the mainstream and sub-stream

Contents

Brief Introduction

- Record to mobile phone or USB

- 4K HDMI/2K SDI Input & Loop through

- 108000 recording & streaming

- Customize encoding for the mainstream and substream

- Event Recording

- Online Tutorials

- Game Broadcasting

- Sports Broadcasting

Free Download

 Ultra Stream App

http://www.magewell.com/upgrade/Class/Software/Package/ultrastream_v1.0.apk Android Android 5.0 and above S can the QR cod c to download	iOS iOS 9.0 and above Search Ultra Stream or Magewell in the App Store

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.

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.

Network Connection Option 2
Wi-Fi
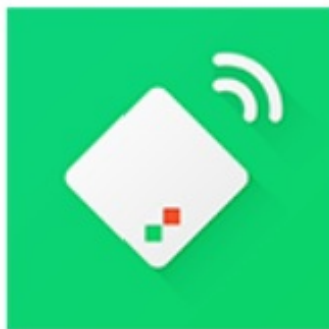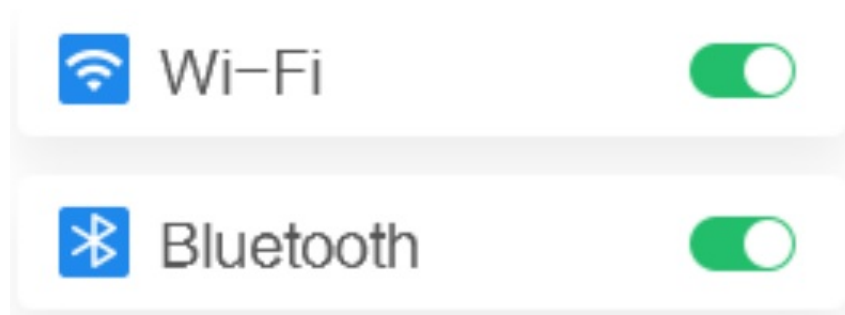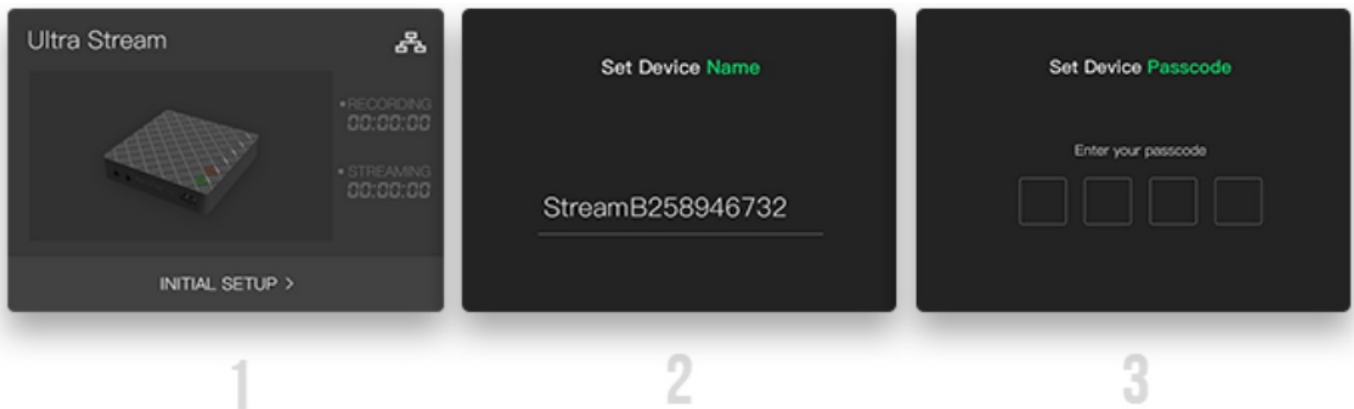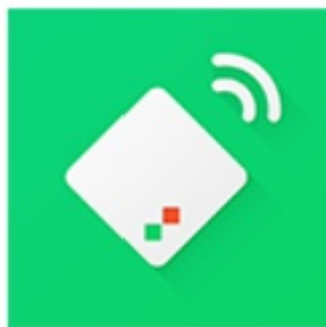**Step 1**
Plug the power cable into your encoder.

- 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.

Step 3
Turn on Bluetooth on your phone, and make it discoverable to nearby devices.
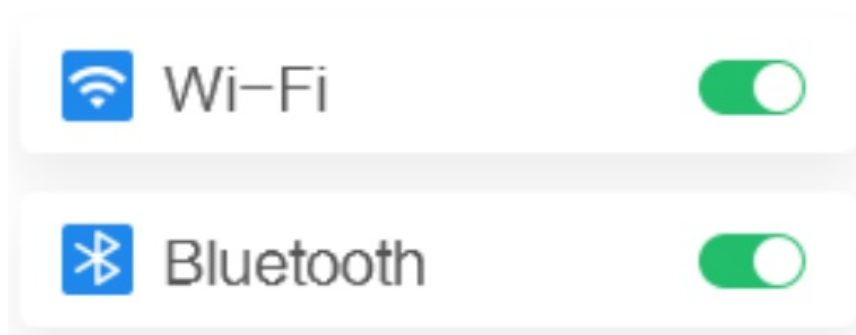
- Turn on Location Service and authorize the app for Android 6.0 and above.
- Your phone and encoder must be connected to the same Wi-Fi network.
- Your phone and encoder must be close to each other (less than 10m apart, best within 2 m).

Step 4
Follow the screen instructions to configure the device for Wi-Fi.

Record Videos to Your Smartphone

Back to device list

Timer

Recording resolution

Screenshot

Recording

Album
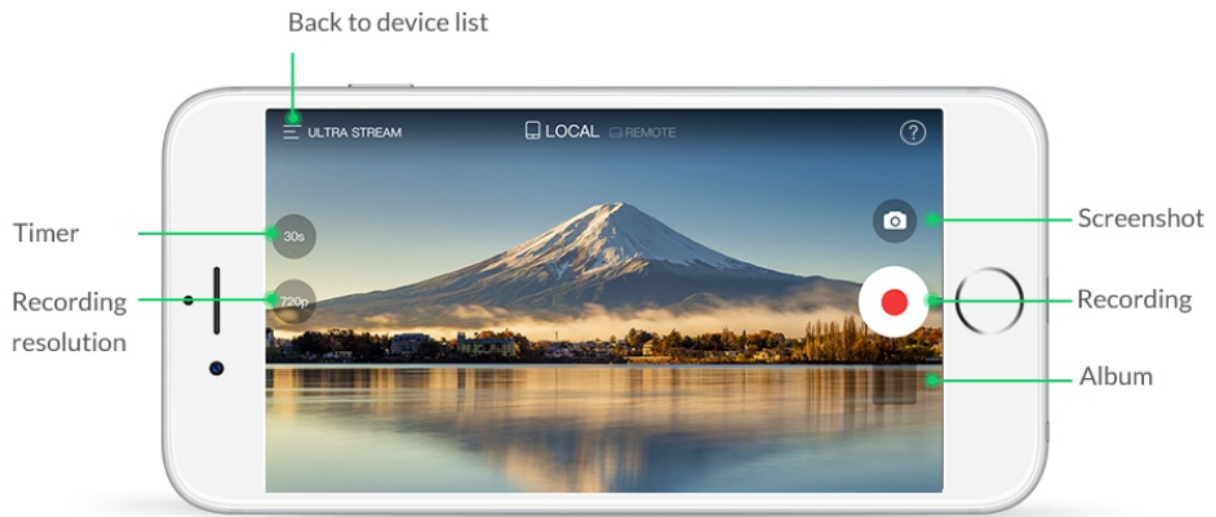
Record Videos to a USB Flash Drive

Step 1
Plug in a USB flash drive.
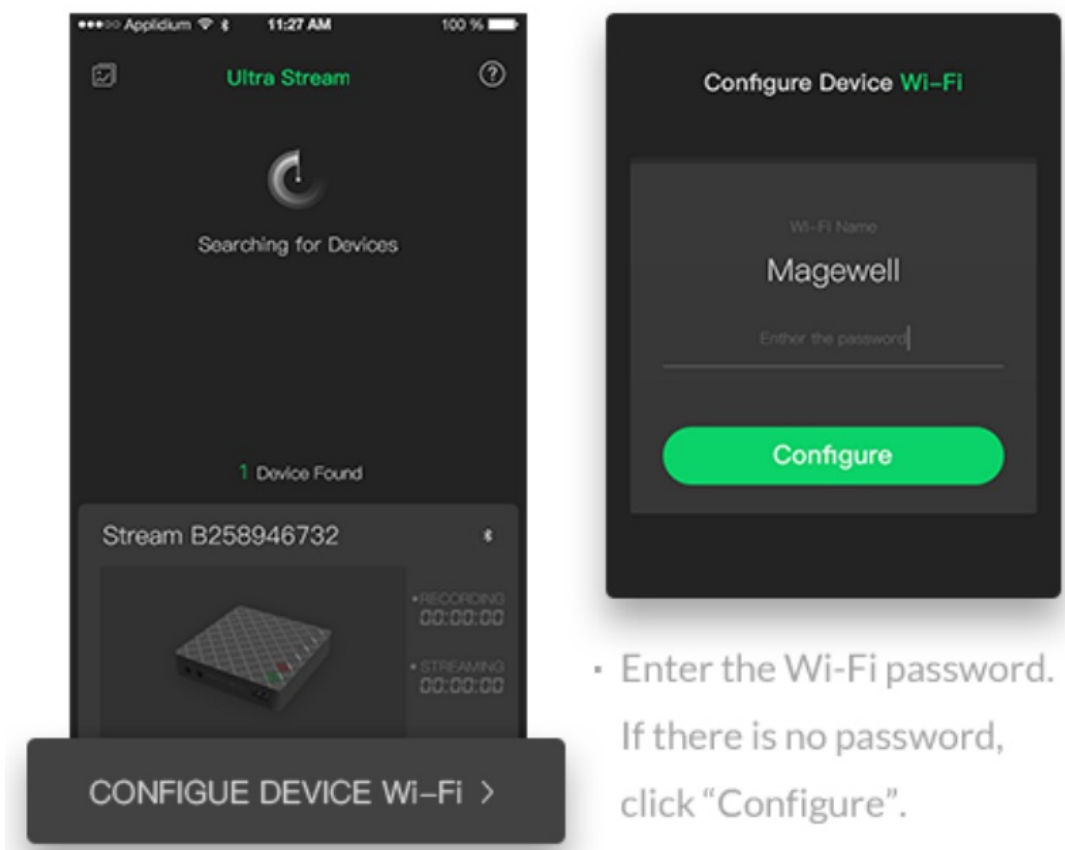Check whether the USB write speed passes the test: tap SETTINGS > USB Flash Drive > Performance Test.
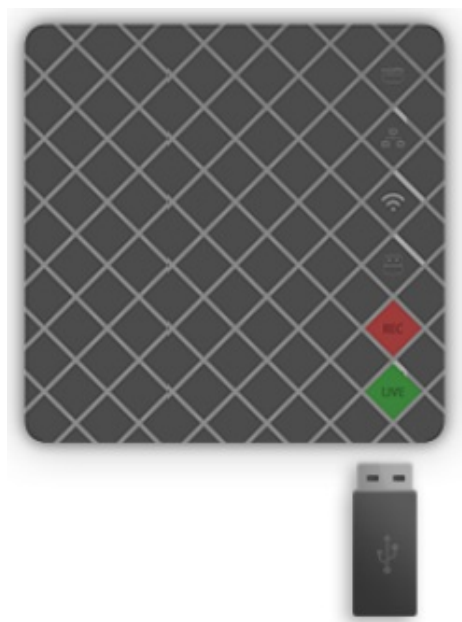
Step 2
Start recording by pressing the red REC button located on the top panel of the device, or tapping the REC icon on the REMOTE interface in the app.

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.

Tech Specs

HDMI Input Features

- Support for up to 4096×21604:4:4/4:2:2 30fps or 4096×2160 4:2:0 60fps input HDMI signals
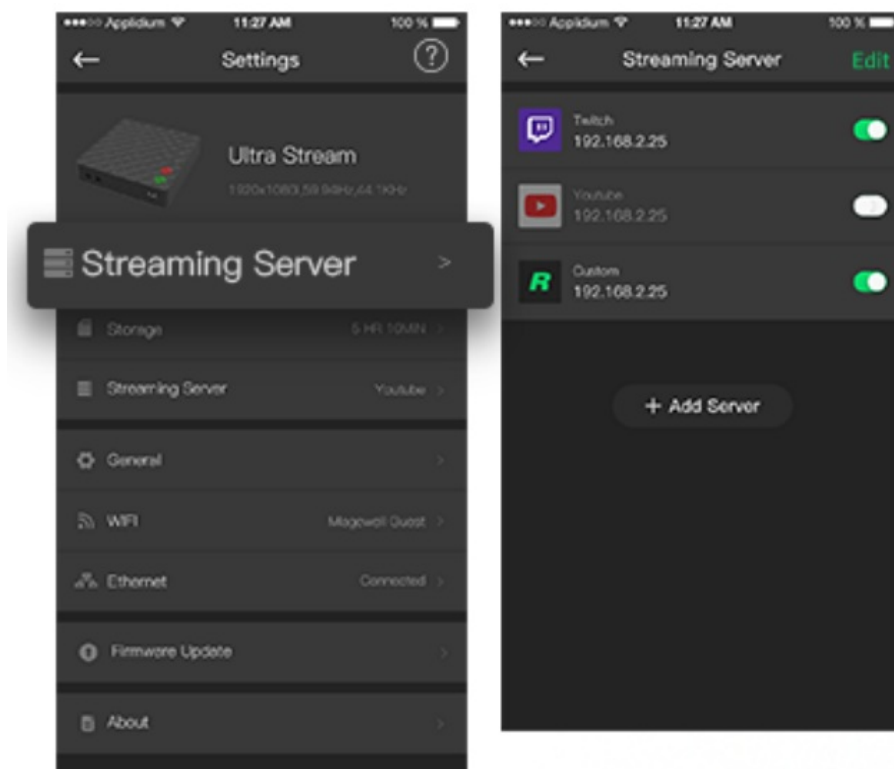- Support for up to 2048×1080 input SDI signals
- Support for 8/10/12-bit color depth
- Support for 60p. 60i. 50p. 50i. 30p. 25p signal format

USB Flash Drive Recording

- Support for recording resolutions: 1920×1080. 1600×1200. 1440×1080, 1440×900. 1280×1024. 1280×960. 1280×800. 1280×720. 1200×900. 1024×768. 960×540. 800×600. 768×576, 720×576. 720×480.640×480. 640×360. 480×360
- 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, RedS, Nginx
- Support for live streaming to Facebook. Twitch. YouTube
- Support for streaming to 2 servers simultaneously
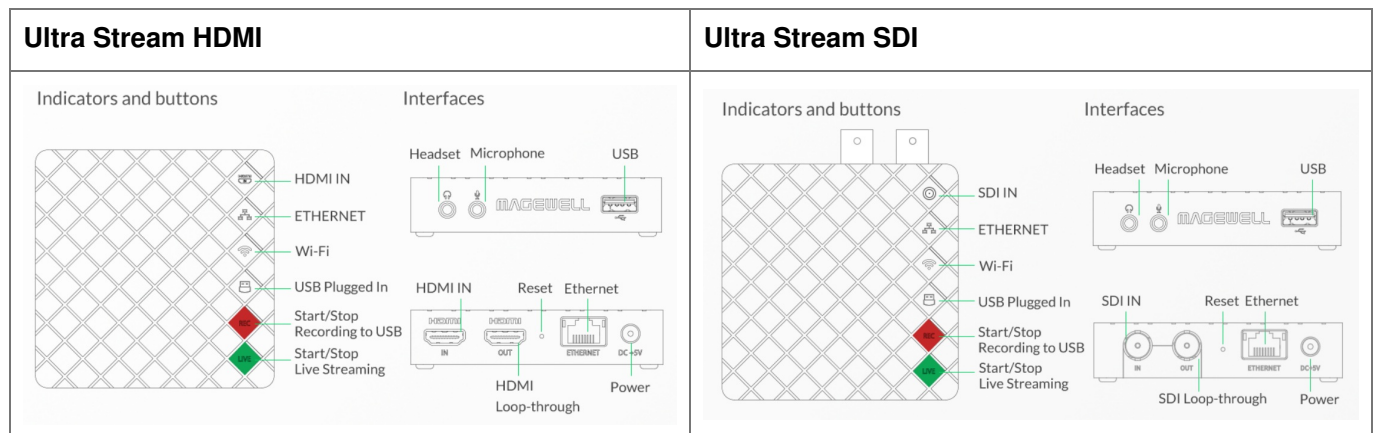
Supported Smart-phone OS

- Android (Android 5.0 and above)
- iOS 605 9.0 and above)

Power Port

- 5V/2A

Interfaces and Indicators

Ultra Stream HDMI	Ultra Stream SDI

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 12.145 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 the Wi-Fi function of your phone is turned on and that your phone can access the wireless network.

7. Make sure that there is no 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 the Ultra Stream app, then reconnect the device.

**Forget Device or Web UI 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 their firmware online. The procedure is as follows:

1. Click Firmware Update. The unit will automatically detect if there is a new version.
2.
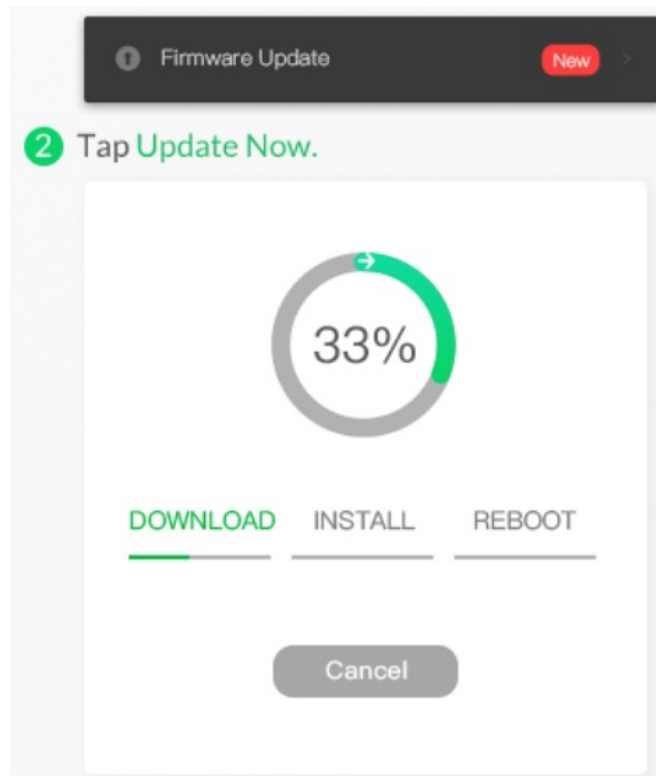
3. During the upgrade, please do not disconnect the network, and do not exit the application.
4. The encoder restarts after the update.

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, Micro-phone, and Headset

3. Restart the app if there is still no sound after performing the above steps.

How to Change Streaming Format
Tap SETTINGS > Encoding Parameters, Set "Live Streaming to Server", then edit settings accordingly.
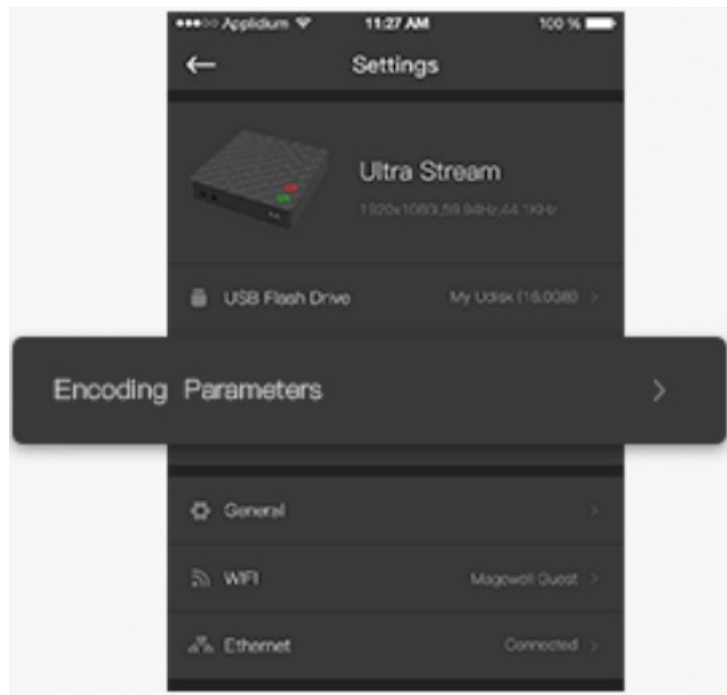
How to Change from Wireless to Wired Internet Connection
Plug the Ethernet cable into your encoder, then search and pair the device again in the Ultra Stream app.
Note: The wireless network your mobile device is connected to and the wired network that the encoder is connected to must be within the same 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 the background.
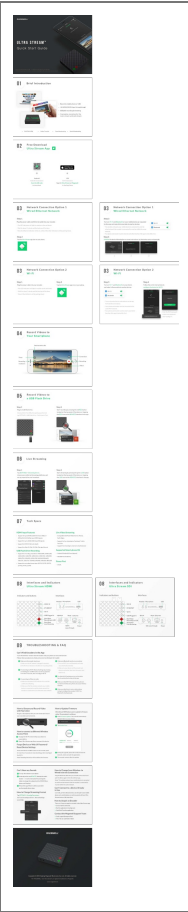- Quit/Exit/Close the application.

Contact the Magewell Support Team

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

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Documents / Resources

[MAGEWELL 53010 Ultra Stream HDMI Encoder](#) [pdf] User Guide
53010, Ultra Stream HDMI Encoder, 53010 Ultra Stream HDMI Encoder