

Ultra Stream HDMI & SDI: go live, no computer

A stand-alone encoder for churches, schools and small venues: it streams to YouTube, Facebook, Twitch or any RTMP service and records at the same time, set up from a phone and run with two buttons.

Choose the model

MODEL	INPUT (WITH LOOP-THROUGH)
Ultra Stream HDMI	HDMI up to 4096×2160 (4:2:0 at 60 fps) · HDMI cable in the box
Ultra Stream SDI	SD, HD and 3G-SDI on BNC, up to 1080p60 · no video cable in the box

Both stream and record at up to **1080p60**. Embedded audio: HDMI 8 channels, SDI 16 channels.

Per unit

Audio	3.5 mm mic in (mono, microphone level) · 3.5 mm headphone out
Network	Gigabit Ethernet · Wi-Fi 802.11 a/b/g/n/ac · Bluetooth (setup) · optional 3G/4G USB modem
Storage	32 GB internal · USB drive up to 2 TB (FAT32 recommended) · your phone
Power	5V DC 2A adapter · ≈ 9.6 W (HDMI) / 7.2 W (SDI)
Size	94.2 × 94.2 × 22.3 mm · 0–40 °C
Warranty	2 years (1 year on the power adapter)

Streaming

Platforms	YouTube, Facebook, Twitch: log in with a code · RTMP / RTMPS: address + key · RTSP pull
At once	Up to 2 platforms, up to 4 Mbps each · one stream at 8 Mbps
Encoding	H.264 or H.265 · main stream up to 1080p60, 8 Mbps

Default: live uses the **sub stream** (1280×720p30, 1 Mbps). For a better live picture, stream the main stream or raise the sub-stream settings.

Before the first service

- ☐ YouTube: enable live streaming on the channel **24 hours ahead**
- ☐ Pair the phone app; set device name and passcode
- ☐ Change the web login from Admin / Admin
- ☐ Press **Test** on each platform
- ☐ Run "Test USB Performance" on the recording drive

Several rooms

- One unit per room; the app finds them all, and Identify lights up one unit
- **Magewell Control Hub:** settings, firmware, status and preview from one place (14-day free trial, then paid editions)
- Lock Live stops changes while on air · HTTP APIs for integration

Recording

- MP4 (default) or MOV · stream and record together
- Internal storage: Loop (default, overwrites oldest) or Normal · USB: Normal
- Clips 5–120 minutes; no file larger than 4 GB
- Auto-upload to Google Drive, OneDrive, Dropbox or FTP/SFTP

Network notes

- Wired Ethernet is the most reliable; use it if the picture is choppy
- Upload bandwidth must cover every stream you send at once
- Wi-Fi networks with a web login page are not supported
- No network? The unit's own hotspot (AP mode) lets the app connect

Parts list

- ☐ Ultra Stream HDMI or SDI to match your camera or mixer
- ☐ HDMI or SDI cable (SDI model: not supplied)
- ☐ Network cable to the router
- ☐ A phone with the Ultra Stream app (iOS 9+ / Android 5+)
- ☐ Optional: microphone, headphones, USB drive, Control Hub