

How to Stream to Facebook with the B264 Encoders

The pre-requisites are:

- The encoder must have Internet access. This means that a default gateway must be configured for at least one of the streaming ports. The standalone versions (non-openGear) can stream to Facebook on their control interfaces as well; in this case, a default gateway in the control interface is also suitable.
- The encoder must have at least one DNS server configured. In all encoders, DNS can be configured in the **DNS** lower tab of the **Network** tab:

Network	Ć	Encoder 1	Ŷ	Encoder 2
				Ì
		DNS	Servers	
DNS Server 1		8.8.8.8		
DNS Server 2		8.8.4.4		
	DNS	functionality is or	nly used for	RTMP output
Interfaces DNS				

Additionally, for the standalone versions, DNS can also be configured in the **Control** tab.

The steps are:

1. Select the **Publishing Tools** link at the top of the Facebook page, this means that you need to first set up a "page" if you haven't done so:





- 2. Select the Video Library link on the left:
- 3. Click on the **+Live** button at the right top:

Page	Messages	Notifications 2	Insights	Publishing Tools	Settings Help •
Video	Library is a place	e to manage all your	videos on Fac	ebook. Take the tour to learn more.	Start Tour 🛛 🗙
Posts	;	Video Library	,		+ Live + Upload
Publis Scheo	hed Posts Juled Posts			You don't have any videos.	
Drafts Expirir	; na Posts				
Video	5				
Video	Library				

4. The following window opens. The "stream key" is the "password" to access your Facebook live publishing point – it has been obscured below.

Create Live Video					
This will create a live video, streamed directly from your professional video equipment or encoding software. This is not for creating live videos from your computer's webcam.					
Secure connection (SSL) A secure connection is better, but it may not work with all encoders.					
Depending on your streaming software, you will use either the Single Field or Separate Fields option below. Copy the contents of these text fields into your video streaming software's set-up fields. Learn more about live video					
Single Field					
Server or Stream URL 🕖	rtmp://rtmp-api.facebook.com:80/rtmp/				
	OR				
Separate Fields					
Server URL Ø	rtmp://rtmp-api.facebook.com:80/rtmp/				
Stream Key 👩					
Keep the Stream Key secret. Anyone can use them to stream video to your post. This stream key is valid for 7 days. Once you preview the video, you have up to 5 hours to go live. If you need more time, create a new stream key closer to the time.					
	Next				



- 5. Encoding Parameters
 - Use progressive frames only
 - Maximum Resolution is 720p, 4 Mbps maximum bit rate, H.264 only
 - Audio should be set at 128 kbps, AAC only
- 6. Fill up the configuration of the encoder as follows:

Output Protocol	RTMP
RTMP Protocol	rtmp 🗸
	Primary Server
Primary Server	rtmp-api.facebook.com
Primary Network Interface	Any Ethernet 1 Ethernet 2
Primary App	rtmp
Primary Server URL	rtmp://rtmp-api.facebook.com:80/rtmp
Primary Stream	copy_stream_key_here
	Backup Server
Backup Server	
Backup Network Interface	Any Ethernet 1 Ethernet 2
Backup App	
Backup Server URL	Not configured
Backup Stream	
	Common Parameters
Port Selection	🔵 Use Default 💿 Specific Port
Port	80 💭
Authentication	🔵 Yes 🔘 No
Connect	🔘 Yes 🔵 No

- The fields that need to be filled in are highlighted in red.
- Facebook does not offer a backup publishing point leave the **Backup Server** section empty.
- Copy the stream key from the previous page into the **Primary Stream** field.
- Click Apply.



7. Go back to the Facebook screen and click on Next:



8. You should now see your video, if the encoder is running:



9. Click the **Go Live** button above.

IMPORTANT NOTE: The stream key changes every time you access this interface, and expires in 5 hours. If the stream key is no longer valid, the encoder will fail to connect. <u>Always</u> make sure that you are using the current stream key.