Welcome to

Streaming 101



To watch Creative streams on Twitch, **CLICK HERE**

This guide is indended for Windows users. For a Mac version, please click here.

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Click on Glitch to return to this page

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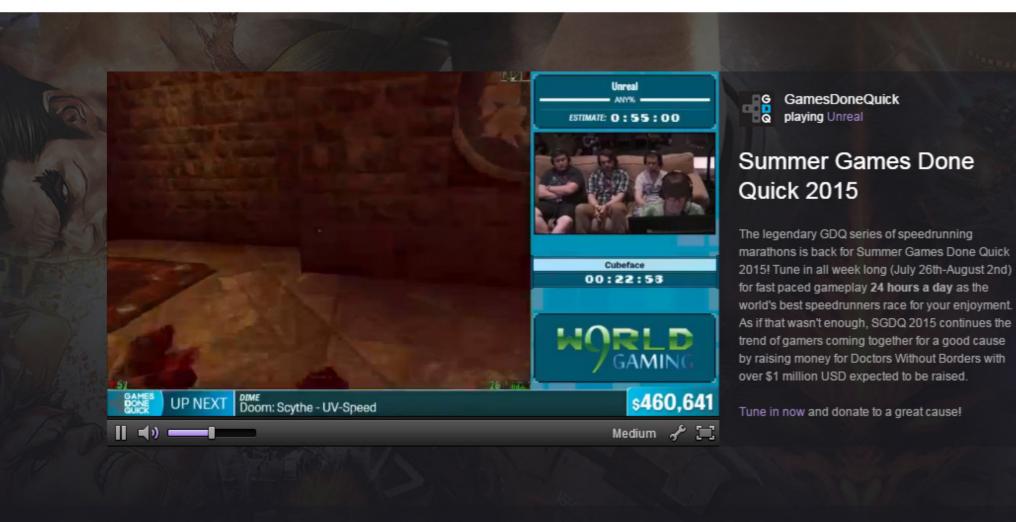


Creating a Twitch Account

The second seco

Q Search

Browse Go Turbo Log In Sign Up





Featured Games Games people are watching now





Visit www.twitch.tv Click Sign Up to create an account

Connect with Facebook

Username				
				Ť
Password				
				19
Birthday				19
Birthday Month	-	Day 👻	Year 👻	1
	-	Day 👻	Year 🔻	1

ing sign op, you agree to the Terms of Service and Privacy Policy

Sign Up

Twitch Profile

	Settings	
Q Search	Profile Turbo Cha	nnel & Videos Security & Privacy Notifications Connections Subscriptions
EleineTV Profile	Profile Settings Update your display na Display Name	Ime, email and profile photo
Messages		Customize capitalization for your username.
BROWSE	Email	
Games Channels		eleine@justin.tv
Videos PROMOTED GAMES Fallout 3	Profile Picture	Remove my picture
Minecraft RuneScape		Choose File No file chosen Max 3mb GIF, JPG or PNG.
About Blog Help Developers Partners Advertisers Jobs More	Bio	Random shenanigans!
		Who you are in fewer than 300 characters.
	DISABLE YOUR TWITCH	ACCOUNT
	Disabling your account	If you want to disable your Twitch account, you can do so from the Disable Account page



it www.twitch.tv/settings

Profile:

Customize your username capitalization by updating **Display**

Ipdate your **Profile Picture** with a square image of less than o in size

Channels & Videos:

dd a **Video Player Banner** (image displayed on your channel en you are offline) with a 16:9 image of at least 1280x720 olution

Check Mature Content if appropriate

Check **Archive Broadcasts**: all streams will be automatically nived for 1 week

Play around with other settings as you see fit!

Twitch Broadcast Dashboard

Dashboard

Live Bookmarks Editing Activity Sta	ats Partnership Stream Key Streami	ng Apps	Video Manag
Title this broadcast		≣ ele	einetv
Digital Painting			
Playing 👻	Broadcast Language	Welcome to the chat room!	
Creative	English Update		
	Broadcaster Language Mode		
- Host Mo	ode 🤝		
Stream Delay			
Run a Commercial			
60 sec Commercial 🔻			
OFFLINE Hide Video	Preview		
Highlights	Hide		
Ⅲ ◄ , — — — — — — — — — — — — — — — — — —	f 🗏 🖂		
L Offline ⊙ 68,167 ♥ 2,314		Send a message	0
Stream Configuration Quality: Refresh the page aff Last Checked: 2 minutes ago	er going live to check.	♦ ≔ 🛍	Chat

page.

- - Broadcast Title

 - Chat with your viewers



Visit www.twitch.tv/dashboard

Broadcast Dashboard and Settings pages are accessible via either the side bar menu on each page, or the drop down menu when clicking your username at the top of a

The Live Dashboard allows you to control the Twitch aspects of your broadcast, including:

"Game" played (set this to Creative)

Click the **Stream Key** link to access your unique Stream Key. Save this value for your stream set up process. Do NOT show this to others, as it will allow them to broadcast to your channel!

Open Broadcaster Software (OBS)

File Settings Profiles Scene Collection Help



· Encoding using H264 (x264) and AAC.

- · Support for Intel Quick Sync Video (QSV) and NVENC.
- · Unlimited number of scenes and sources.
- · Live RTMP streaming to Twitch, YouTube, DailyMotion, Hitbox and more. File output to MP4 or FLV.
- GPU-based game capture for high performance game stream
- · DirectShow capture device support (webcams, capture cards, etc).
- · Windows 8 high speed monitor capture support.
- Bilinear or lanczos3 resampling.

How much does it cost?

OBS is completely free! Not a dime! There are no subscriptions or licenses, no OBS has an API allowing developers to create their own unique plugins, giving payments at all. OBS is available to everyone, with source code publicly available on github for anyone to help contribute.

While OBS will always remain free, you are welcome to donate to support our development efforts.

up, with the main goals of course being multiplatform support, a more thoroug feature set, and a much more powerful API. A very early and simple release is currently available for Mac.

OBS MultiPlatform will eventually support many of the advanced requested features not present in the original OBS, such as multiple stream outputs and scene previewing. It does not have these features in this release.

Plugins

them and others complete control of their streaming experience. Some popular plugins include:

Simple scene switche

 <u>Video source</u> Browser source

and many more!

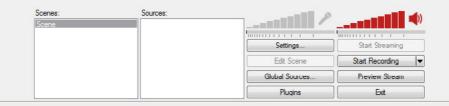
Visit https://obsproject.com/ to download Open Broadcaster **Software** for your platform

> Initial OBS screen. Click **Profiles** and create a new streaming profile. Click Scene Collection and create a new scene collection.



Not streaming

Click "Start Streaming", "Start Recording", or "Preview Stream" to begin



General

-						
5	et	+			-	
				ч	2	

General Encoding					
Broadcast Settings	Language:	English			•
Video	Language:	English			•
Audio	Setting Profile:	Creative Demonstration	n		+
Hotkeys	betang rioner		····		_
Advanced		Add	Rename	Remove	
Quick Sync Encoder					
Browser	Notification Area Icon 📝				
Microphone Noise Gate		Minimize to I	Notification Area 📃		
Scene Switcher					
		Enable Curso	or over projector 🔽		
		Show Log Windo	w on OBS launch 📃		
			OK	Cancel	Appl

×



Click **Settings** to begin configuring stream settings.

Select OBS's Language.

Edit your Setting Profile/Configuration Name

Edit configurations for notifications and other settings

Video Encoding

Settings					e
General	Video Encoding				
Encoding	Encoder:	x264	Quick Sync	Nvidia	NVENC
Broadcast Settings Video	Use CBR			nable CBR padding	
Audio					
Hotkeys	Quality Balance:	8 🔻	Use C	Custom Buffer Size [v
Advanced	Max Bitrate (kb/s):	1500		Buffer Size (kbit):	1500
Quick Sync Encoder	di dubi				
Browser	Audio Encoding				
Microphone Noise Gate Scene Switcher				Ditates	122
Scene Switcher	Codec:	AAC 🔻		Bitrate:	128 🔻
	Format:	48kHz 🔻		Channel:	stereo 🔻
			ОК	Cancel	Apply



Select x264 Encoder

Check Use CBR

Check Enable CBR padding

Set Max Bitrate to a value between 1000 and 2500

The higher the bitrate, the higher the quality of the stream. However, the majority of viewers can only process up to 2000 bitrate without buffering.

Upload rate is also affected by your internet upload bandwidth. The higher it is, the higher you can push bitrate. Since artwork requires lower framerate than gaming, lower bitrates can still provide high resolution quality.

I recommend setting bitrate to 1500 and adjusting it if you lag, or if you don't think the stream has sufficient quality.

Buffer Size should be set to the same value as Max Bitrate.

Audio Encoding

Settings						-
General Encoding Broadcast Settings Video Audio Hotkeys Advanced Quick Sync Encoder	Video Encoding	Encoder: Use CBR Quality Balance: Max Bitrate (kb/s):	8 -	Use	○ Nvidi nable CBR padding Custom Buffer Size Buffer Size (kbit):	V
Browser Microphone Noise Gate Scene Switcher	Audio Encoding	Codec: Format:			Bitrate: Channel:	
				ОК	Cancel	Apply



Codec should be set to AAC

Bitrate should be set to **64-128**, depending on your connection speed and desired quality of sound.

Click Apply when you are done.

Broadcast Settings

Settings			Mode: L
General Encoding Broadcast Settings Video Audio	Mode: Liv Streaming Service: Tw FMS URL: US		Streamir
Hotkeys Advanced Quick Sync Encoder Browser Microphone Noise Gate Scene Switcher	Play Path/Stream Key (if any): • Auto-Reconnect: Auto-Reconnect Timeout: 10 Minimize Network Impact:	Delay (seconds): 0	FMS UR closest
	Automatically save stream to file: File Path: M: Replay Buffer length (seconds): 1 Replay Buffer File Path: C:	Keep recording if live stream stops: :\Stream VODs\.flv Browse Estimated Replay Buffer memory usage (MB): 1 / 4095 :\Users\Eleine \Videos\Replay-\$T.flv	Play Pati stream k your http
		ed for use with Twitch. Please set the following:	Check A Automa
			We reco locally if saved. T access t
		OK Cancel Apply	permane



ive Stream

ng Service: Twitch

L: Server geographically to you

h/Stream Key: Copy your key from the **Stream Key** tab of **c://www.twitch.tv/dashboard**

utoreconnect

tically Save Stream to File:

mmend saving your VODs you want to guarantee they are his will ensure you always have o your VODs, as we do not ently store them.

File Path: Location for VOD saves.

ode:	Live Stream 🔻	
/ice:	Twitch 💌	Browse
JRL:	US West: San Francisco, CA	•
ny):	US West: San Francisco, CA Asia: Hong Kong	
ect:	Asia: Hong Kong (2)	
out:	Asia: Singapore Asia: Taipei, Taiwan	
act:	Asia: Tokyo (2), Japan Asia: Tokyo, Japan	
file:	Australia: Sydney EU: Amsterdam, NL	
ath:	EU: Frankfurt, DE EU: London, UK EU: Paris, FR	
ids):	EU: Prague, CZ EU: Stockholm, SE	
ath:	South America: Rio de Janeiro, Brazil South America: Sao Paulo, Brazil	
optin	US Central: Dallas, TX US East: Ashburn, VA	
lution	US East: Chicago US East: Miami, FL US East: New York, NY US West: Los Angeles, CA US West: San Jose, CA US West: Seattle, WA	

Video Settings

Settings					X
General Encoding Broadcast Settings		Video Adapter: NVIDIA GeForce GTX	970		•
Video Audio Hotkeys Advanced	Base Resolution: © Custom: © Monitor:	1920 1080 1 -	Aspect	Ratio: 16:9	
Quick Sync Encoder Browser Microphone Noise Gate Scene Switcher	Resolu	tion Downscale: None (1920x1080) Filter: Bilinear (fastest) FPS: 20 Disable Aero:			
			ОК	Cancel	Apply



Video Adapter should be set by default. If you have more than one, select the adapter you are primarily using.

Base resolution typically is your monitor's resolution. It's recommended you use a 16:9 resolution even if your monitor is not, however.

FPS is recommended to be 20. Art streams require lower FPS, so it can be sacrificed for higher resolution quality. Adjust this value to be lower or higher at your preference, but do not set above 30.

Aero is not recommended to be disabled.

Audio Settings

Settings			×
General Encoding Broadcast Settings Video Audio Hotkeys Advanced	Desktop Audio Device: Microphone/Auxiliary Audio Device:		▼ Reinitialize
Quick Sync Encoder Browser Microphone Noise Gate Scene Switcher	Push-to-talk Delay (milliseconds): Desktop Boost (multiple): Mic/Aux Boost (multiple): Mic Sync Offset (milliseconds):		
L		ОК	Cancel Apply



Desktop Audio Device: Recommend to set to default so the stream hears what you hear.

Microphone: Set to your microphone device.

Hotkeys

Settings					
General Encoding Broadcast Settings	Audio				
Video Audio	Push-to-Talk:	None			Clear
Hotkeys	Push-to-Talk 2:	None			Clear
Advanced Quick Sync Encoder	Mute/Unmute Mic:	None			Clear
Browser Microphone Noise Gate	Mute/Unmute Desktop:	None			Clear
Scene Switcher	Broadcast				
	Start Stream:	None			Clear
	Stop Stream:	1			Clear
	Start Recording:	1			Clear
	Stop Recording:	None			Clear
	Start Replay Buffer:	None			Clear
	Stop Replay Buffer:	None			Clear
	Save Replay Buffer:	None			Clear
	Record from Replay Buffer:	None			Clear
			ОК	Cancel	Apply

×



Hotkeys are not necessary for broadcasting, but can make scene switching and adding effects much easier.

Advanced General Settings

Settings	
General Encoding Broadcast Settings Video Audio Hotkeys Advanced Quick Sync Encoder Browser	General Image: Construction of the second
Browser Microphone Noise Gate Scene Switcher	Video x264 CPU Preset: veryfast Encoding Profile: main Keyframe Interval (seconds, 0=auto): 2 Use CFR Custom x264 Encoder Settings Allow 61-120 FPS entry in video settings Allow 61-120 FPS entry in video settings Use Mic QPC timestamps Network Automatic low latency mode Bind To Interface: Default Latency tuning factor: 20 Disable TCP send window optimization
	Defaults OK Cancel Apply



Use Multithread Optimizations: Checked

Priority Class: Normal (setting priority higher can lag other applications)

Disable Encoding While Previewing: Only check this if previewing your stream causes lag.

x264 CPU Preset: Set to VeryFast unless your computer is amazing. The slower the encoding, the higher the quality, but slower levels of encoding is extremely CPU intensive.

Encoding Profile: While High produces a higher quality stream, it is less compatible with viewing devices such as mobiles. Recommend set to **Main**.

Keyframe Interval: 2 Seconds (this is VERY important)

Use CFR: Checked

Advanced Audio Settings

Settings	
Settings General Encoding Broadcast Settings Video Audio Hotkeys Advanced Quick Sync Encoder Browser Microphone Noise Gate Scene Switcher	General ✓ Use Multithreaded Optimizations Process Priority Class Normal Scene Buffering Time (milliseconds): 400 □ Disable encoding while previewing ✓ Allow other modifiers on hotkeys Video x264 CPU Preset: veryfast Encoding Profile: main ✓ Use CFR Custom x264 Encoder Settings ■ Allow 61-120 FPS entry in video settings Audio Force desktop audio to use video timestamps as a base for audio time Global Audio Sync Offset (milliseconds): 0 • Use Mic QPC timestamps
	Network Automatic low latency mode Bind To Interface: Default Latency tuning factor: 20 Disable TCP send window optimization
	Defaults OK Cancel Apply



Global Audio Sync Offset: Use this to adjust audio if you have audio sync issues.

Microphone Noise Gate

Settings...

General	Thresholds		General		
Encoding	Inresholds				
Broadcast Settings	Enable	preview	Enable noise gate:		
Video			Attack time (milliseconds):	25	
Audio	-40 dB	-36 dB			
Hotkeys	T I	Г	Hold time (milliseconds):	200	
Advanced					
Quick Sync Encoder			Release time (milliseconds):	150	
Browser					
Microphone Noise Gate			114		
Scene Switcher			Help		
		T	A noise gate automatically mutes the input the gate and unmutes it when it goes about the thresholds is to have the close thresh	we the "open threshold". A good	starting level for
			level and the open threshold 6 dB above	the close threshold.	loudest hoise
			The noise gate is temporarily disabled whi	ile this configuration window is op	en.
		1			
	Close	Open			
	threshold	threshold			
	Defa	ults	OK	Cancel	Apply
				Carter	(hhui



Use the **Close and Open thresholds** to determine when OBS should broadcast your microphone. Use the **Enable Preview** option to find the best settings.

Attack time, hold time, and release time generally don't need to be changed.

Adding A Window Capture

Profile: Creat	tive Demo	onstration - Scenes: Creative Demonstration - Open Bro
File Settings	Profiles	Scene Collection Help
		New Duplicate Rename Remove Import Export Creative Demonstration scenes

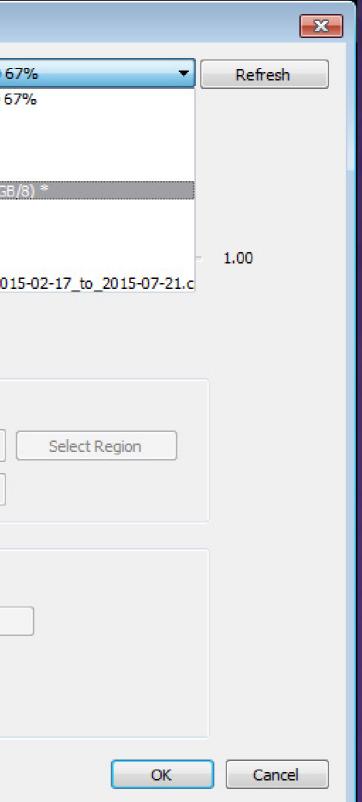
Create a new Scene Collection

cene		Add >	CLR Browser Video Capture Device Game Capture Edit Scene	e e aming
cene				
Scenes:	Sources:		Monitor Capture Image Image Slide Show Text CLR Browser	a 110 adı

Add a Window Capture and name it

Window Capture		
Window: Capture mouse cursor Capture Layered Windows Compatibility Mode Gamma:	*Twitch Streaming Guide.indd @ *Twitch Streaming Guide.indd @ Photoshop Photoshop Photoshop Untitled-6 @ 83.2% (Layer 1, R Streaming Guide Skype™ [5] - eleinesun Twitch - Slack Spotify general_segmentation_month_2	G
Sub-Region Sub	acity: 100	
Similarity (olor Key: Color Select (1-100): 10 (1-100): 0	
Set base resolution	1	





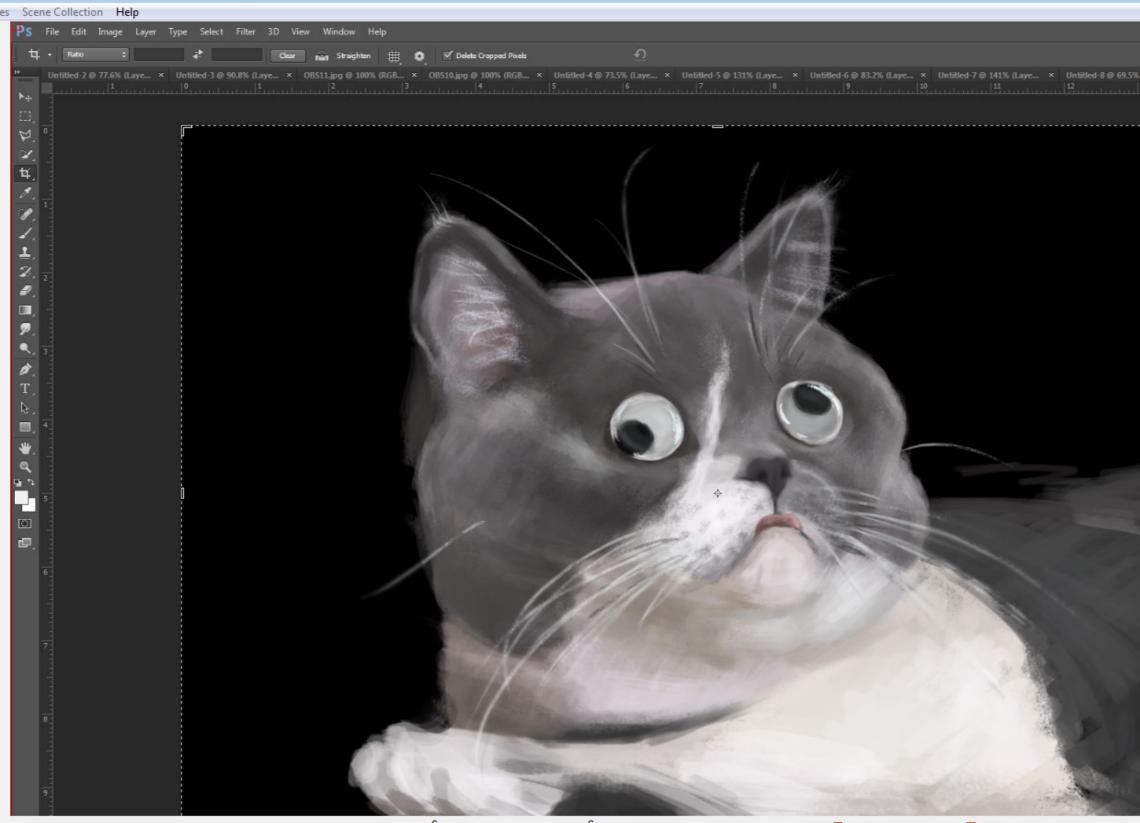
Choose a **Window** to capture.

If trying to capture a Photoshop window, open a project in Photoshop. Select it from the Window drop down menu. Do NOT select Photoshop.

Photoshop menus interact with OBS differently from other applications, and selecting it will likely only select a menu.

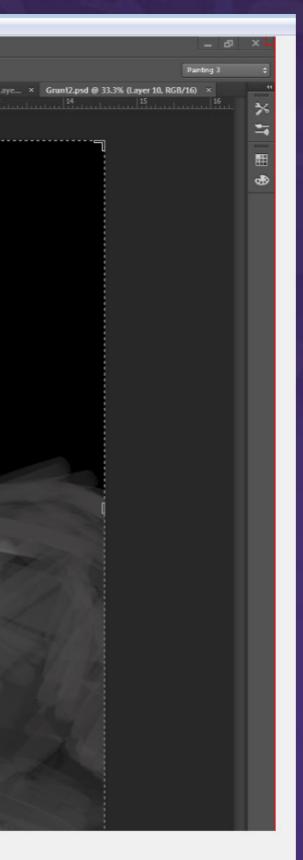
No need to touch any other settings.

Adjusting Scenes



Scenes:	Sources:		
Scene	Photoshop		
		Settings	Start Streaming
		Edit Scene	Start Recording
		Global Sources	Stop Preview
		Plugins	Exit





Click **Edit Scene** to adjust the placement and size of elements on the stream. A red border will appear on each element.

Refer to http://help.twitch. tv/customer/portal/ articles/1262922-openbroadcaster-software for an in depth explanation of OBS settings and guides on how to add various other elements to your stream!

Click Start Streaming to begin broadcasting to Twitch. Be sure to check your broadcast dashboard to update your title and chat with viewers! If you have any questions, concerns, or suggestions, please contact us at **creativehelp@twitch.tv** and we will reply as quickly as possible.

Happy streaming!