

Telegram Messaging Application with Camera Mouse



Telegram

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INTRODUCTION AND WELCOME:

Welcome to the Telegram manual for Camera Mouse users!

The goal of using the Telegram messaging application is to allow people with physical disabilities to be able to communicate smoothly using Camera Mouse.

Telegram is a safe and secure messaging application that works well alongside Camera Mouse and the Free Virtual Keyboard. It uses the Cloud which enables users to access all of their messages from multiple devices. Best of all, Telegram is fast and free!

TELEGRAM WARNINGS:

Telegram only allows you to message other people with the Telegram application. The simplest way to download this application is by first downloading the application on your phone. This permits you to easily make an account and invite people to join from choosing people from your contacts.

After making the account on your phone first, when you download the application on your computer (instructions for downloading Telegram on your computer are in this manual) you are able to enter your phone number and then it will connect to the same application on your phone. A great feature about the computer application is its ability to be used anywhere with wifi at any time. Your phone does not have to be on or on the application for it to work.

INTRODUCTORY VIDEO:

See <https://www.youtube.com/watch?v=tGVKx8WR-7w> for an introductory video on using Telegram. It is a good way to become familiar with the app. I suggest watching it on a 0.5 speed (by going to the settings icon or the gear-shaped icon on the bottom right of the video) or by watching it a few times to get the hang of it.

HARDWARE AND SOFTWARE REQUIREMENTS:

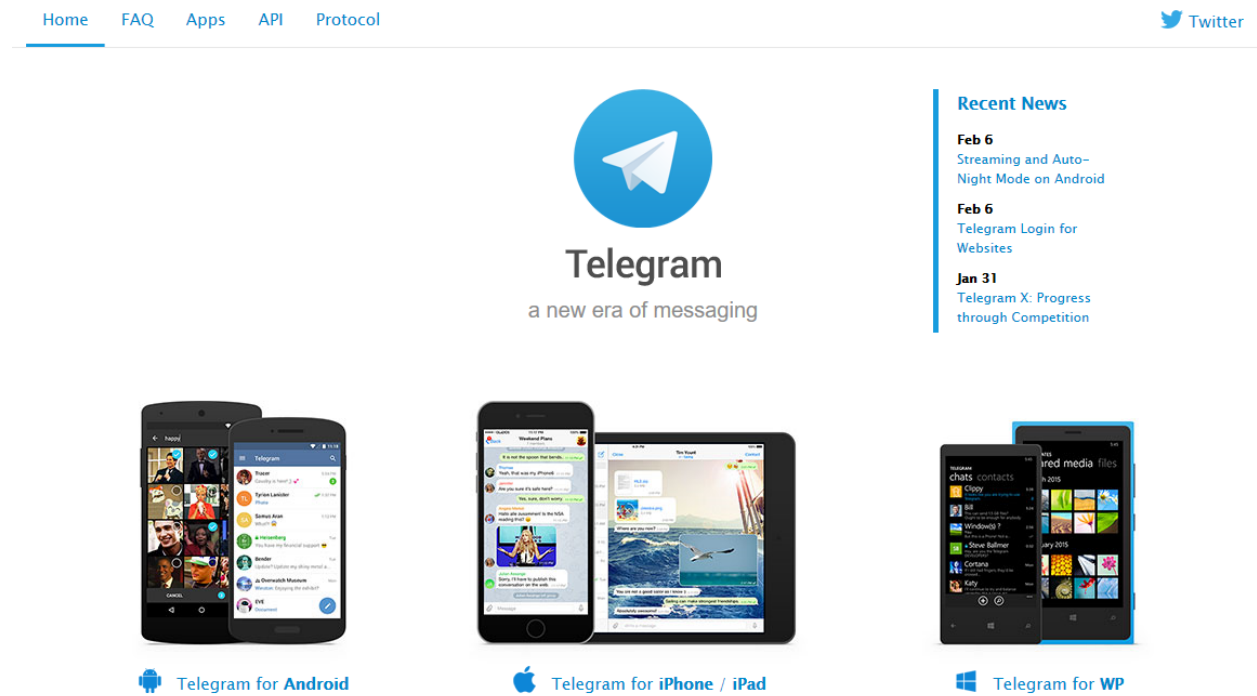
The following website lists all of the hardware and software requirements for Camera Mouse on page 2. <http://www.cameramouse.org/downloads/CameraMouse2018Manual.pdf>

There are no additional requirements for Telegram or Free Virtual Keyboard.

DOWNLOADING TELEGRAM:




To download the messaging app go to <https://telegram.org/>

When you open the link the homescreen will look like this:



The screenshot shows the Telegram website homepage. At the top, there is a navigation menu with links for Home, FAQ, Apps, API, and Protocol. A Twitter logo is in the top right corner. The main content area features the Telegram logo (a white paper plane in a blue circle) and the text "Telegram a new era of messaging". Below this, there are three sections for mobile apps: "Telegram for Android" (with an Android icon), "Telegram for iPhone / iPad" (with an Apple icon), and "Telegram for WP" (with a Windows icon). On the right side, there is a "Recent News" section with three entries: "Feb 6 Streaming and Auto-Night Mode on Android", "Feb 6 Telegram Login for Websites", and "Jan 31 Telegram X: Progress through Competition".

Step 1: Scroll down to the bottom of the home screen and click on the hyperlink that says “PC/Mac/Linux” under Desktop Apps

 Store your media in the cloud.	 Build your own tools on our API.	 Enjoy feedback from your customers.
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Telegram

Telegram is a cloud-based mobile and desktop messaging app with a focus on security and speed.

About

[FAQ](#)
[Blog](#)
[Press](#)

Mobile Apps

[iPhone/iPad](#)
[Android](#)
[Windows Phone](#)

Desktop Apps

[PC/Mac/Linux](#)
[macOS](#)
[Web-browser](#)

Platform

[API](#)
[Translations](#)
[Instant View](#)

Step 2: Click the Get Telegram for Windows button seen below



Telegram Desktop

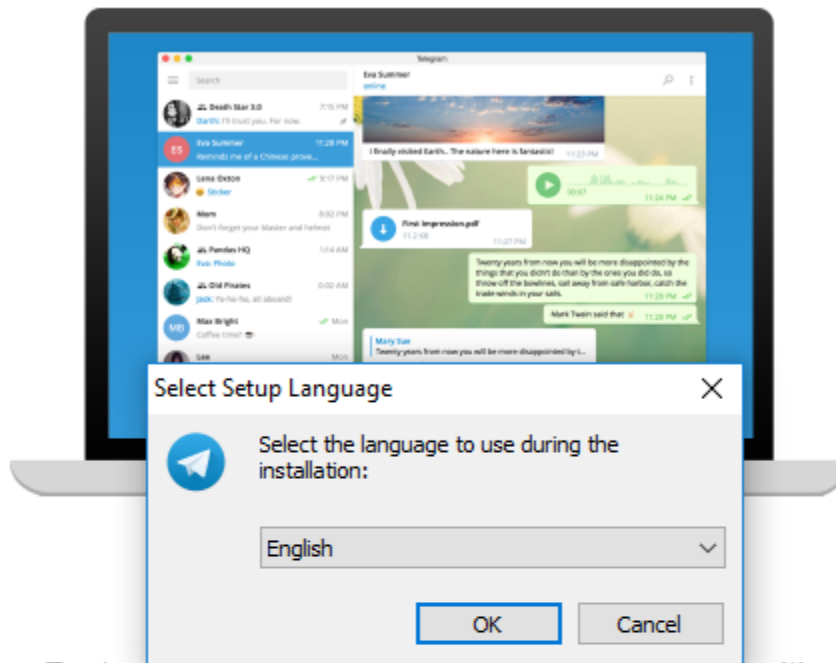
Fast and secure desktop app, perfectly synced with your mobile phone.

[Get Telegram for Windows](#)

[Portable version for Windows](#)

[Show all platforms](#)

Step 3: Choose the language that you would like the application to be in



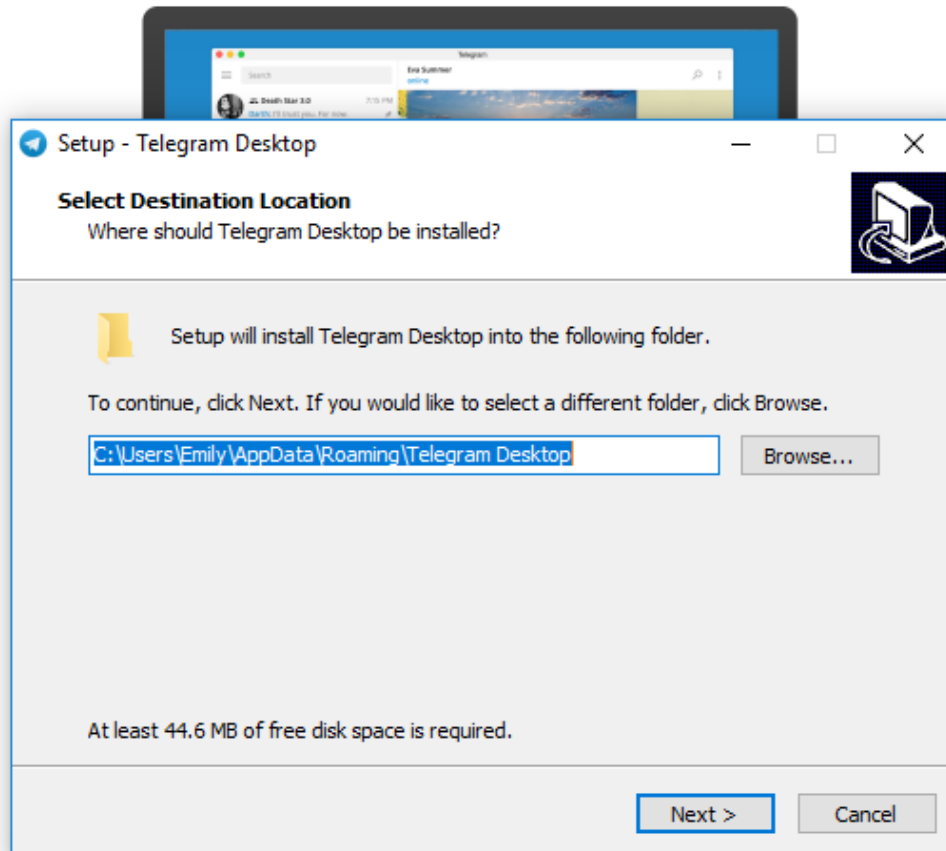
Fast and secure desktop app, perfectly synced with your mobile phone.

[Get Telegram for Windows](#)

[Portable version for Windows](#)

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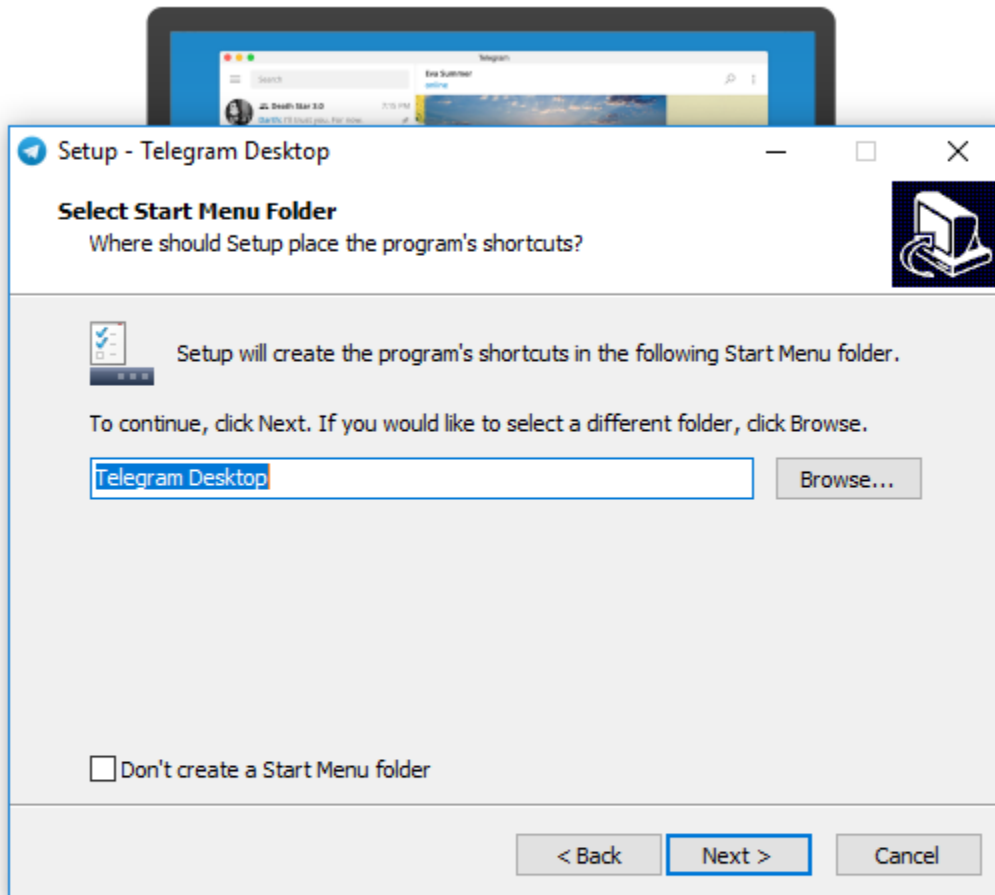
Step 4: Allow the Telegram Desktop to show up in your applications folder



Portable version for
Windows

Show all platforms

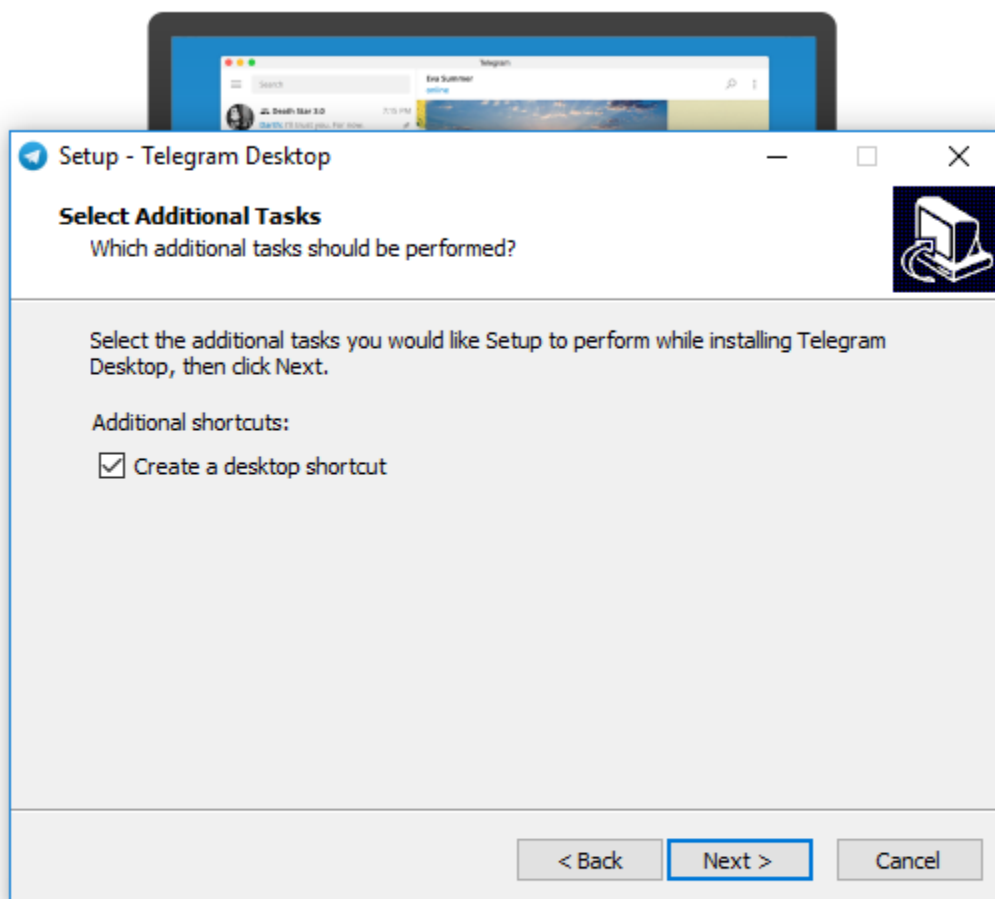
Step 5: Allow the program to make a shortcut in the menu



Portable version for
Windows

Show all platforms

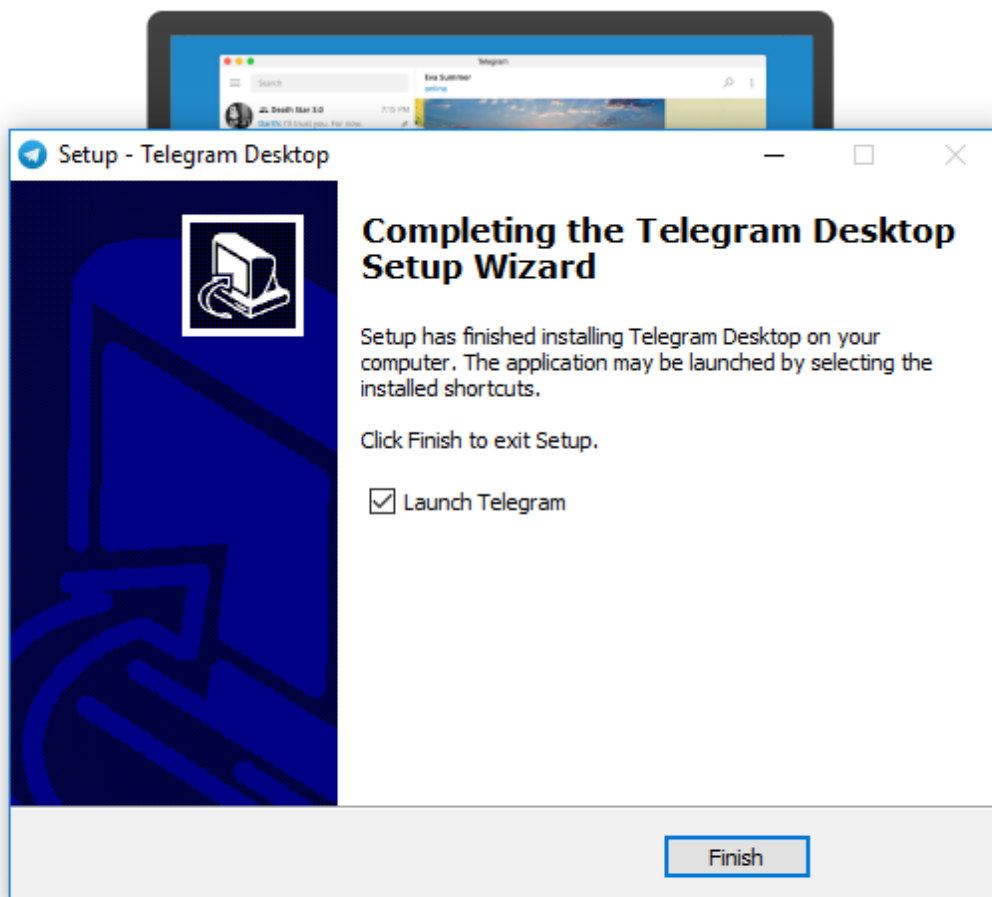
Step 6: Having a desktop shortcut is very handy so make sure you check the box shown below.



Portable version for
Windows

Show all platforms

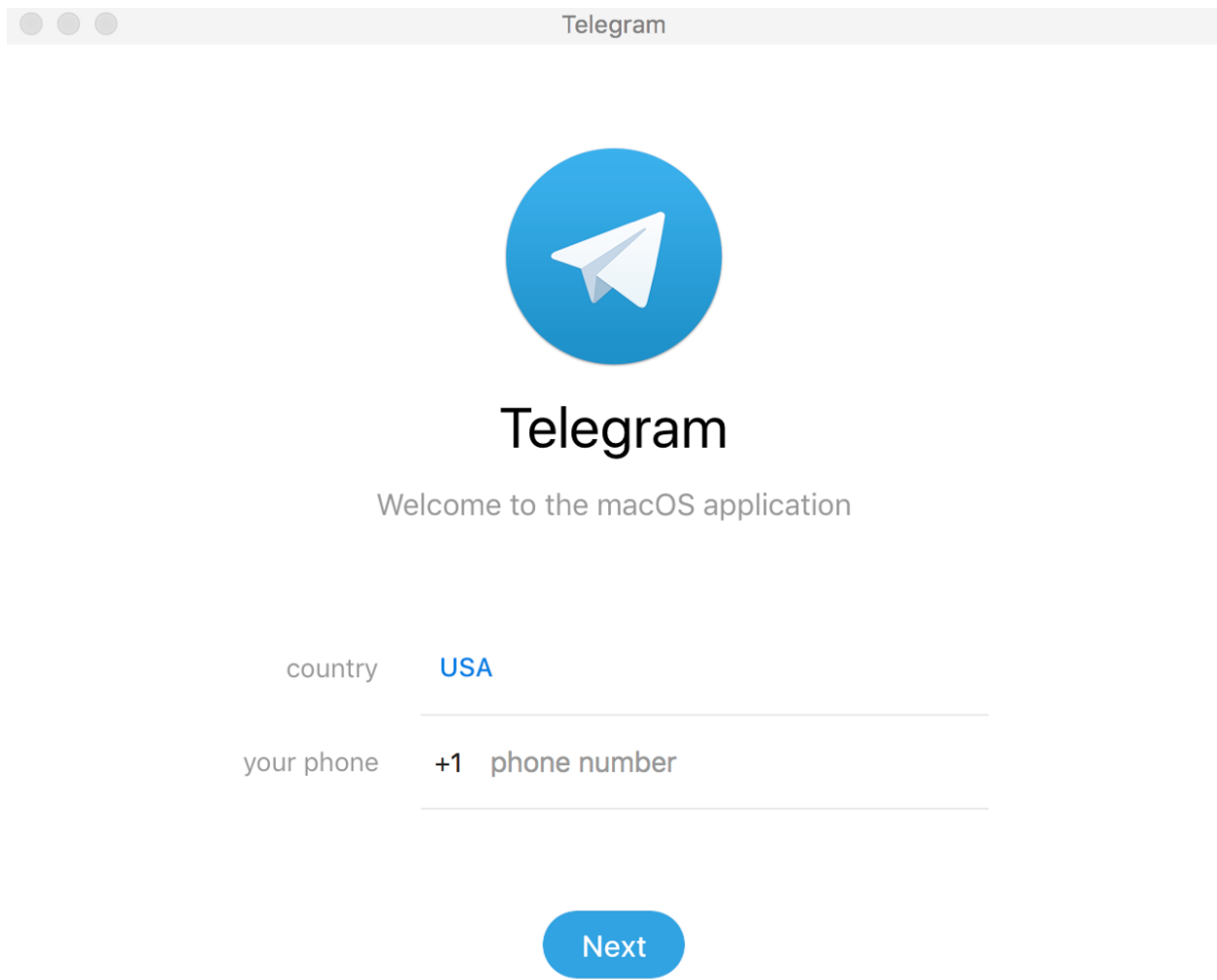
Step 7: Click install to allow the process to continue



[Portable version for Windows](#)

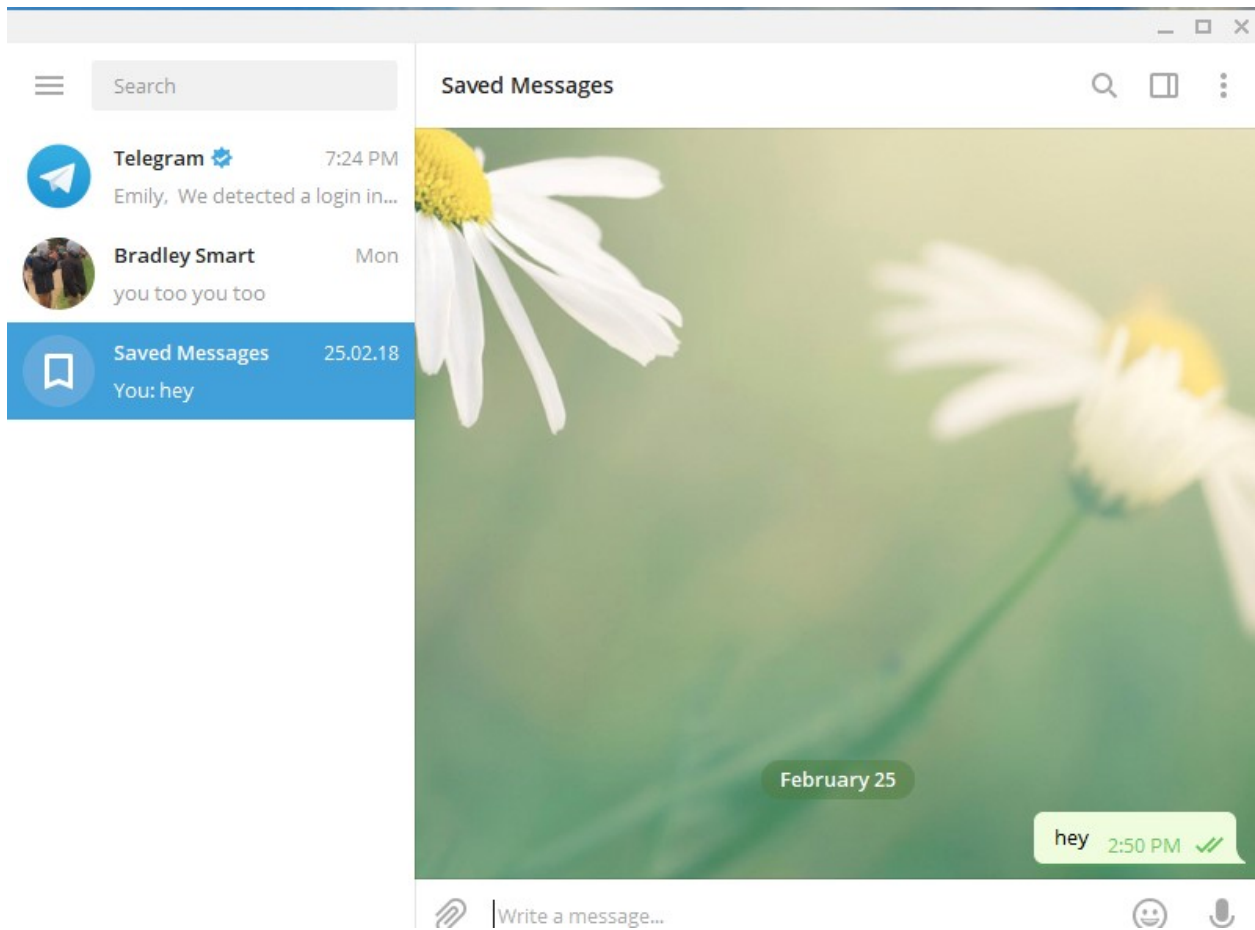
[Show all platforms](#)

Step 8: This message will appear on the desktop. Click Finish to allow the application to launch



Step 9: The app will prompt you to enter your phone number.

Step 10: After this you will be sent a code from Telegram that you will need to enter where it asks for the code. The app will then open to a messages screen where you can access your contacts to begin messaging other people with the Telegram app



DOWNLOADING FREE VIRTUAL KEYBOARD:

To download the keyboard app go to <http://freevirtualkeyboard.com/>

When you open the link the homescreen will look like this:

The screenshot shows the homepage of the Free Virtual Keyboard website. The main heading is "Free Virtual Keyboard". Below it is a virtual keyboard layout with keys labeled from Esc to Del. To the right, there is a "Download" section with options for Portable EXE (263 KB), Portable ZIP (236 KB), Installation Package EXE (846 KB), and Installation Package ZIP (758 KB). Below the download options, the version is listed as 4.1, released on January 23, 2018, with system requirements for Microsoft Windows @ 2000/XP/Vista/7/8/8.1/10. A list of supported languages is shown, including English, German, Spanish, Italian, French, Portuguese, Dutch, and Russian. A blue square highlights this list. Below the language list is a "Sponsor" section for "Hot Virtual Keyboard". At the bottom, there is a "Free Virtual Keyboard Online Help" link. The browser address bar shows "freevirtualkeyboard.com".

Esc	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	Del
`	1	2	3	4	5	6	7	8	9	0	-	=	<X>
Tab	q	w	e	r	t	y	u	i	o	p	[]	\
Caps	a	s	d	f	g	h	j	k	l	;	'	Enter	
Shift	\	z	x	c	v	b	n	m	,	.	/	Shift	
Ctrl	Win	Alt							AltGr	⚙	Ctrl		

Download

- Portable EXE (263 KB)
- Portable ZIP (236 KB)
- Installation Package EXE (846 KB)
- Installation Package ZIP (758 KB)

Version: 4.1
Release: January 23, 2018
System Requirements:
Microsoft Windows @ 2000/XP/Vista/7/8/8.1/10

Virtual Keyboard (English)
Virtuelle Tastatur (Deutsch)
Teclado Virtual (Español)
Tastiera Virtuale (Italiano)
Clavier Virtuel (Française)
Teclado Virtual (Português)
Virtueel Toetsenbord (Nederlandse)
Виртуальная клавиатура (Русский)

Sponsor

Hot Virtual Keyboard
Hot Virtual Keyboard packs a number of advanced features to make on-screen typing faster, easier and more accurate. Fully customizable look and behavior.
Download Free Trial...

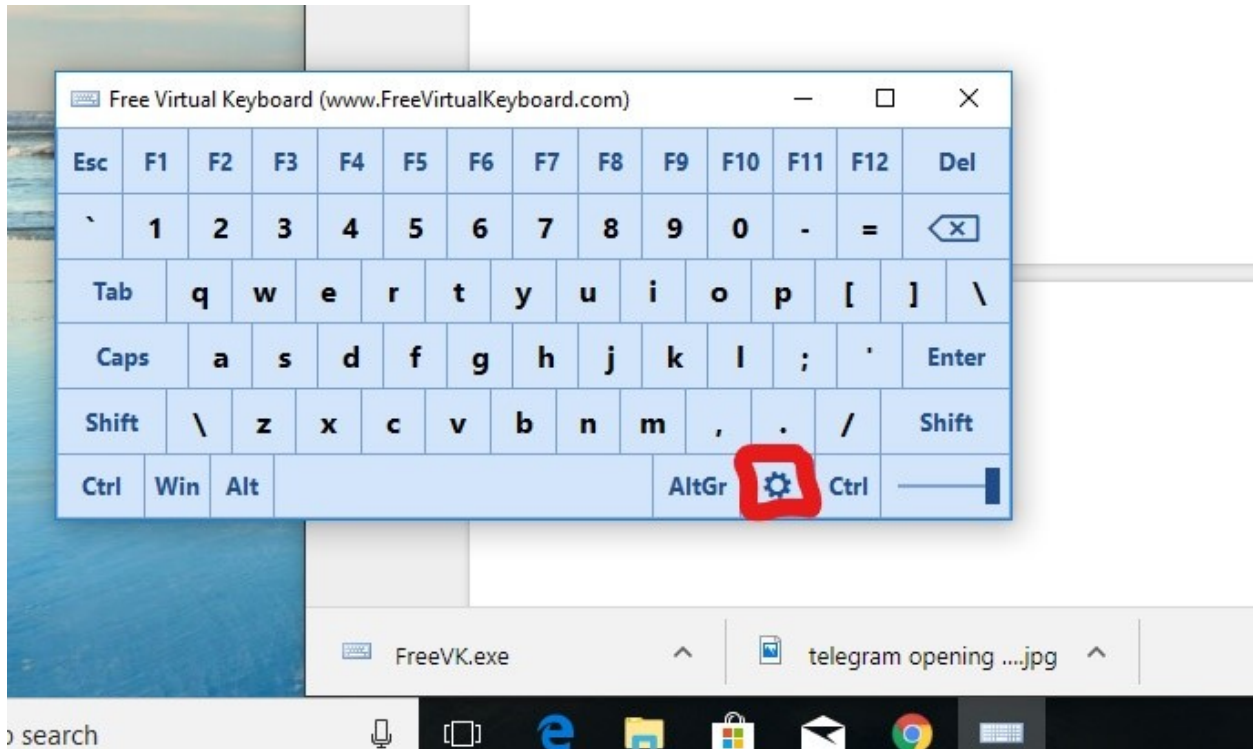
Free Virtual Keyboard Online Help

Step 1: On the right hand side, there are links to the same home screen in various language (highlighted by the blue square above).

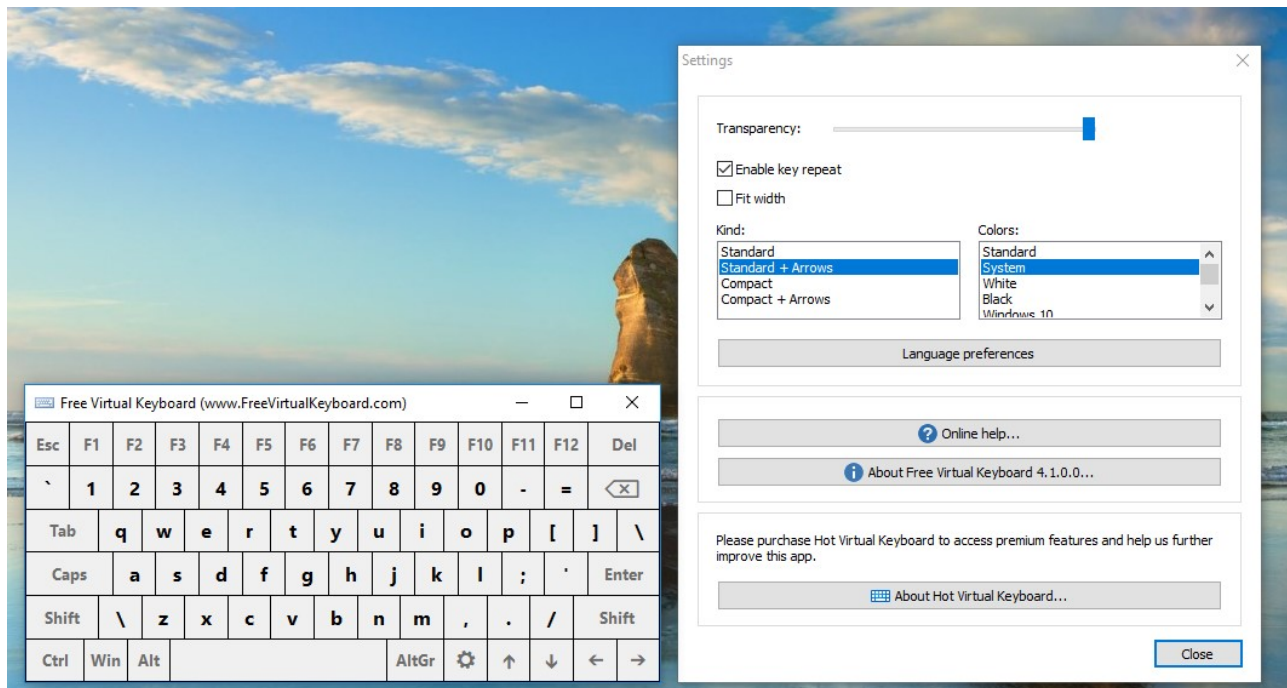
Step 2: On the top right of the screen there are links to downloading the keyboard (as indicated by the blue highlighted square below). Click the first link titled “Portable EXE (263 KB)” and then open the downloaded file.

The screenshot shows the website for 'Free Virtual Keyboard'. On the left, there is a virtual keyboard layout with keys labeled: Esc, F1-F12, Del, numbers 1-0, Tab, letters q-z, Caps, Shift, Win, Alt, AltGr, and Ctrl. Below the keyboard, there is text describing it as a free, lightweight, multilingual, and finger-friendly virtual on-screen keyboard. It mentions it works on any Windows-based UMPC with a passive touchscreen (Ultra-mobile PC, Tablet PC, and Panel PC). It also notes that the keyboard has large keys for use with fingertips and allows people with mobility impairments to type data using a pointing device. There are sections for 'Change size, color and transparency of keyboard on the computer screen' and 'Auto-repeat function'. At the bottom left, there is a link to 'Run it from your portable USB flash drive'. On the right side, there is a 'Download' section with a blue box highlighting four options: 'Portable EXE (263 KB)', 'Portable ZIP (236 KB)', 'Installation Package EXE (846 KB)', and 'Installation Package ZIP (758 KB)'. Below this, it lists the version (4.1), release date (January 23, 2018), and system requirements (Microsoft Windows 2000/XP/Vista/7/8/8.1/10). There is also a 'Sponsor' section for 'Hot Virtual Keyboard'. On the far right, there are social media icons for Facebook, Google+, Twitter, Pinterest, LinkedIn, and a plus sign for more options.

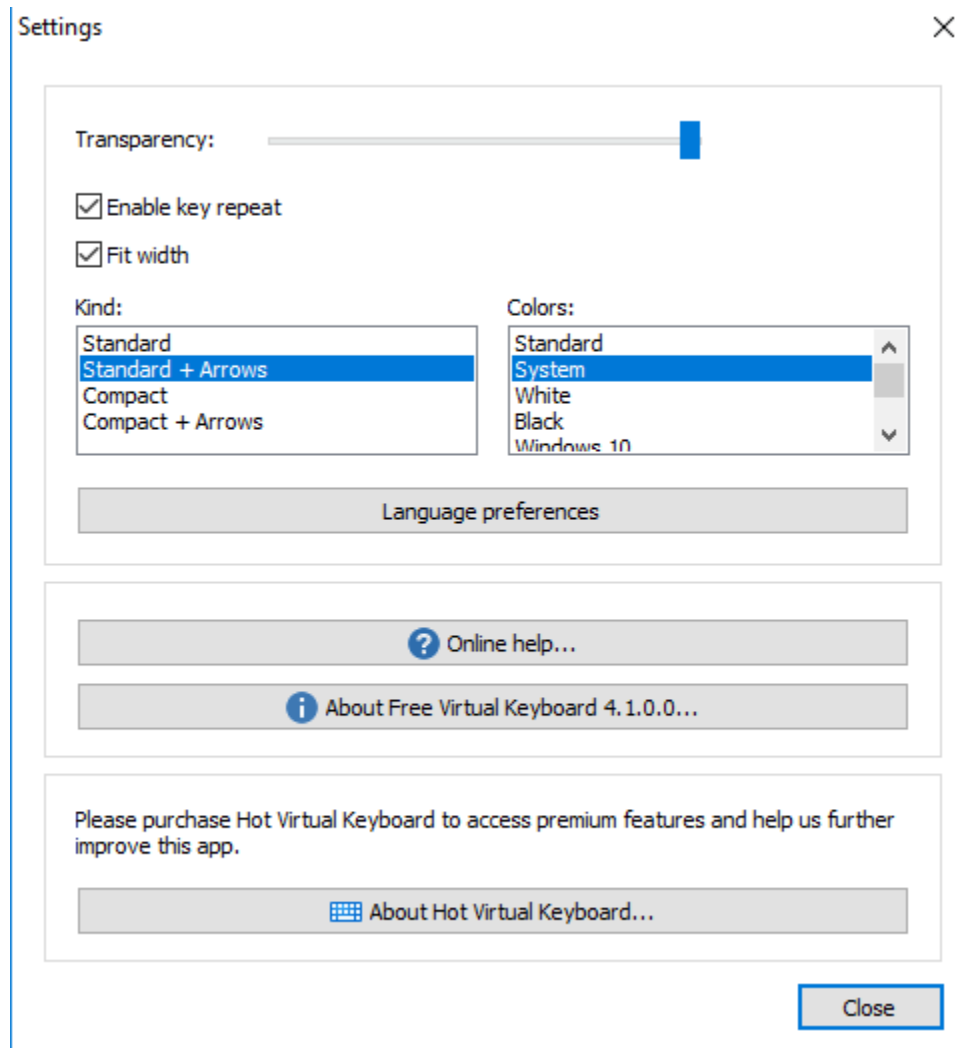
Step 3: The keyboard will then open in a small screen. To alter the settings on the keyboard go to the settings icon, or the icon that looks like a gear (highlighted in a red square below).



The settings will look like this:



Step 5: I suggest clicking the “Fit width” box, choosing the “Standard + Arrows” kind of keyboard, with either “System” or “Office Silver” colors just as I did below:

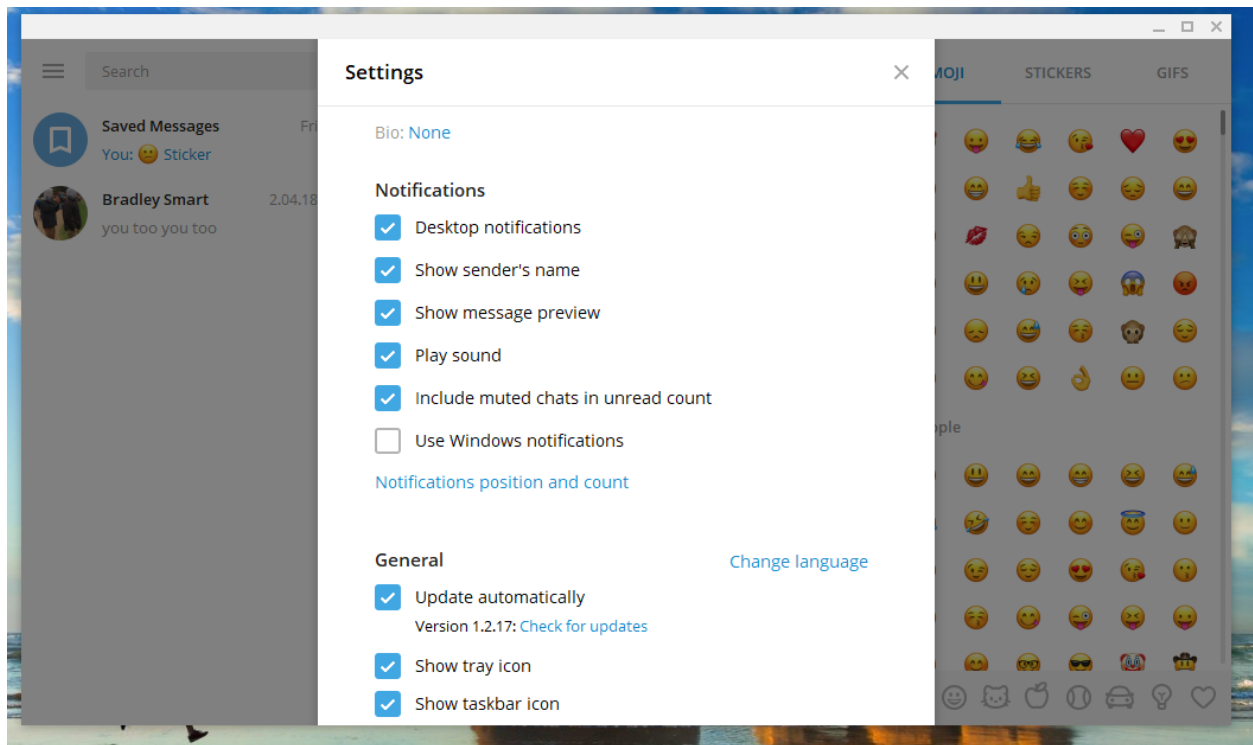


This will allow for the keyboard to be at the full width of the screen with distinct lines between each letter and symbol.

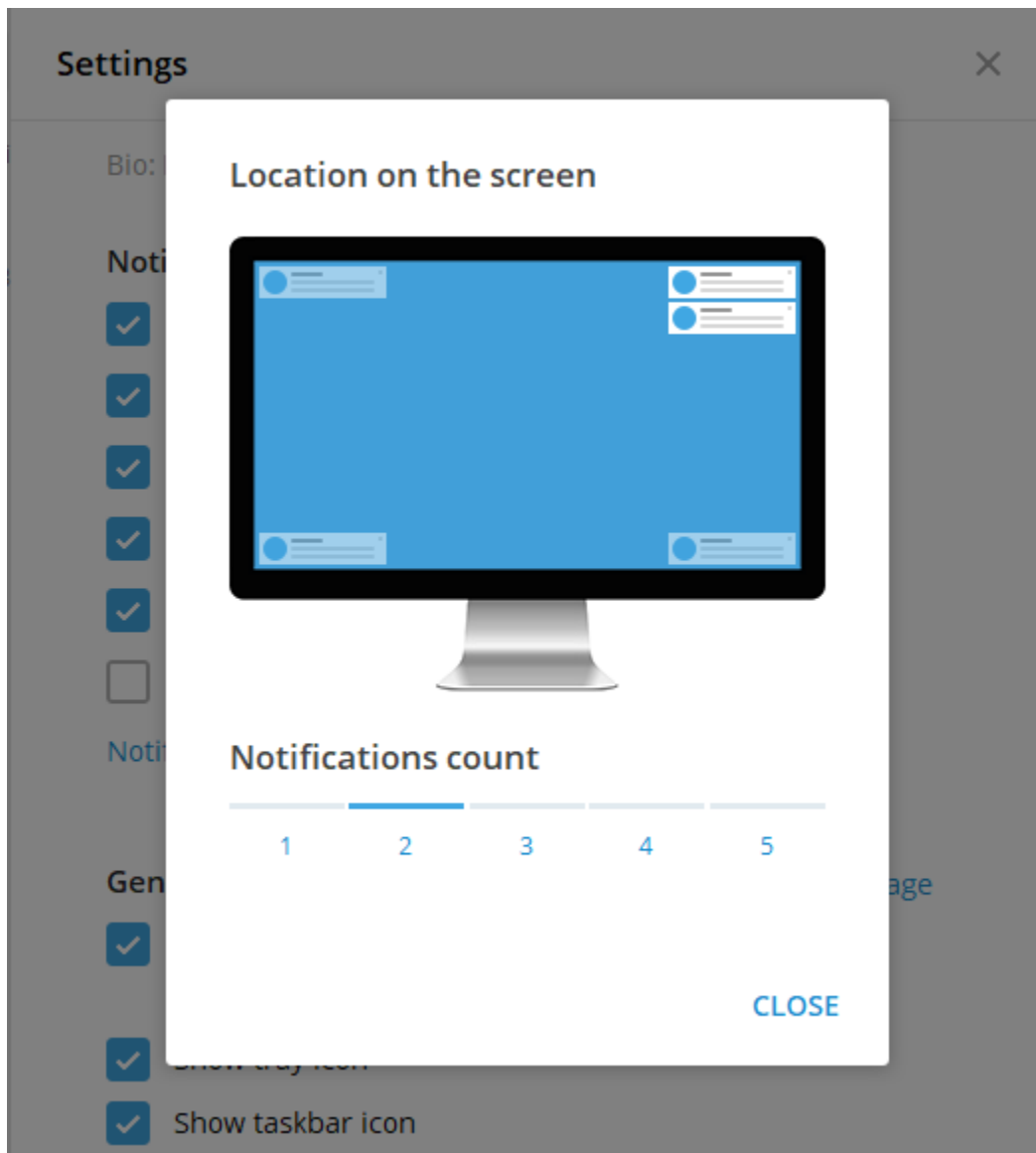
TIPS FOR MAKING THE KEYBOARD EASIER TO USE: I suggest clicking and dragging on the download to drop it onto your desktop to provide a more convenient means of opening the app.

USING CAMERA MOUSE, TELEGRAM, AND VIRTUAL KEYBOARD:

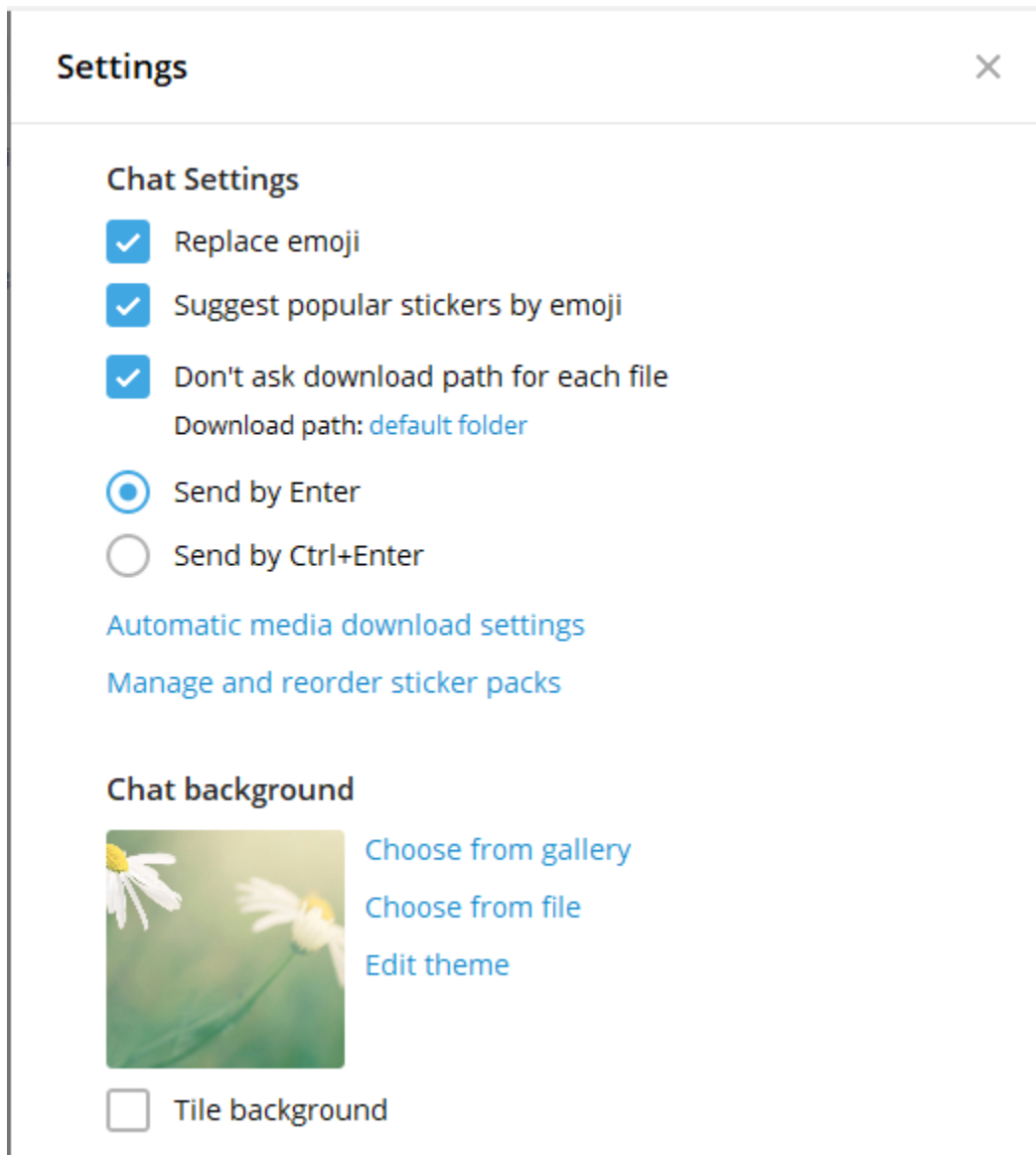
Step 1: In Telegram, go to the lined button on the top left of the screen and click on the “Settings” tab. Make sure that the desktop notifications are on.



Step 2: Click on the “Notifications position and count.” Click the numbers of notifications that you want to appear on your screen, I prefer 2 notifications to limit the amount of space it takes up. You can also click one the four corners of the computer that you want the notifications to appear in. I prefer the top right corner. I would say to stay away from the notifications on the bottom as those may cover the keyboard.



Step 3: For personal touches, you can alter the background of your chats



Step 5: I like to set up my screen this way to have all three programs open and be able to see all elements of each

