## How to type the " dog " symbol on the keyboard and not switch the keyboard layout

The " dog " symbol - @ - is most often found in email addresses. You need it to separate the user name from the domain where emails are stored. If the address is written in Latin letters, there is no problem. But it is inconvenient to enter Cyrillic addresses — the symbol "dog" is not printed and you have to constantly switch the layout to English. We tell you how to enter the "dog" symbol on the Russian keyboard.

#### **Content:**

→<u>On Windows</u>

- →<u>On macOS</u>
- →<u>On Linux</u>

#### **On Windows**

"Dog" refers to special characters, which means that in Windows it has its own Alt-code-64. It is typed on the Numpad numeric keypad, which is located to the right of the main keys. To write the "@ "character using it, make sure that NumLock is enabled, then hold down the left" Alt "key and type "64".



This is what the keyboard shortcut for @

If you don't have Numpad, use the on-screen keyboard and type the Alt code on it. Here's how to do it:

**Open the On-Screen Keyboard program.** It can be found through "Search": on Windows 7, it is located in the" Start " menu, and on Windows 10 it is a separate button on the taskbar.



If you enter "OSD" in the search, Windows will automatically suggest the desired program.

**Turn on the numeric keypad.** To do this, click "Options"  $\rightarrow$  "Enable numeric keypad"  $\rightarrow$  "Ok".

😌 On-scr	roen key	board																							<b>a</b> 1	×
Esc	ë	ž	1		2	Nº 3	: 4		5	6		7	8	1	9		0		a)		8		Home	PgUp	Go t	o
Tab		й	ц		у	к	e		н	r		sh	st	ch	3		x		ъ	Æ	Ň	Del	End	PgD	n Up	
Caps		f		у		в	а	п		р	0	ľ		d		zh		э		Enter			Insert Pa	ause D	own	
Shift			я		ч	c	N	I	и	т		ь	e	5	ю				$\sim$	Shi	ft		PrtScn	ScL	( I	
Fn	Ctrl			Alt									4	١t	Ctr	1	<		$\sim$	>		Ξ	Options H	leip Fad	Out	

The "Options" button is located in the lower-right corner



Select the desired option and click OK

🚭 On-s	oreen key	boant																				-	05	×
Esc	ë	4	1	2	Nº	3	4	% 56	89	?	7	w	w <sup>()</sup>	0			= @	]	Home	PgUp Go	7	89		7
Tab	й		ц	у		к	e	н	ŕ		3	1		x	1		1	Del	End PgDn	Up 4 5	6	1 - 1 1 - 11		*
Caps		f		s	в	ł	a	п	p	I,e	L	D	W	1	Е	Ent	ar		Insert Pause D	own	1	23		
Shift			я	ч		c	м	и	т		ь	b	ю		ľ	~	Shift		PrtScn	Selik Pin	0			
Fn	Ctrl			Alt	T							Alt	Ctrl	<		~	>		Options Help Fade		Ent	er	NUM	LOCK

Numpad will appear on the right side of the window

To type "@", hold down the left "Alt" key on the physical keyboard and use the mouse to type "64" on the on-screen keyboard.

The on-screen keyboard is located on top of all open programs. So that it doesn't interfere with your work, reduce the size of the window: drag the corner until only the numbers are visible.

🕞 On-screen keyboard					-	Ε.	$\times$
1234567890-=	Home	PgUp	Go over	7	8	9	1
~ <sup>#</sup> *yke*r**3x*/-	End	PgDn	Up	4	5	6	*
— <sup>6 и в в продата</sup> сни	Insert	Pause	Down	1	2	3	-
* * * with and T * 6 * ~	PrtScn	ScLk	To fix	0			+
	Parameter	s Help	Disappearance	Ente	er	NUM	NLOCK

This is the minimum size of the on-screen keyboard

# On macOS

On Mac, the dog symbol is embedded in the Russian keyboard layout by default. To dial it, hold down the left "Option" button and the number "2".



This is the keyboard shortcut for the " @ " symbol on the Macbook Air keyboard

When typing in Cyrillic on macOS, the user may not need to switch languages. See what it looks like.



You can see that the keyboard layout doesn't change while the user is typing

## **On Linux**

In the Linux family of operating systems, you cannot print characters using Alt-code — they are simply not provided there. However, you can independently assign a keyboard shortcut that will print "dog" when clicked. There are two ways to do this. **The XBindKeys method** 

To assign a keyboard shortcut in this method, you will need two programs::

- 1. **xbindkeys**-it allows you to run a command using a given keyboard shortcut.
- 2. **xvkbd**-a virtual keyboard that will respond to a command and type"@".

Here's how to run and configure them:

**Open "Terminal"**. You can find it on the taskbar, through a search in the system, or run it using the Ctrl+Alt+T key combination.

Activities	Nov 12 20:24	
	Q term	•
	> Terminal	6
Characters	📑 Intertinear Annotation Termin	ator: U+FFFB, 📕 Interlinear Annota
Clocks	19:24 Termiz, Uzbekistan	

This is what the program icon looks like

**Enter the following commands:** first xbindkeys --version, and then xvkbd -version.



This is what the xbindkeys --version command will look like



This is what the xvkbd-version command will look like

**Set a keyboard shortcut** that will print the "@ " character. You can choose any of them, but we will show you the usual "Alt+2"as an example. Type xbindkeys-k in the terminal. In the new window, hold down the left "Alt" and the number " 2 " on the keyboard.



This is what the window looks like, after which you need to enter a key combination

**Copy the code for the new combination.** When you press "Alt+2", the window will close and the result will be displayed in the terminal as follows::

m:0x18 + c:11

Alt+Mod2 + 2

Copy them to the clipboard.



You only need indented lines

Add the code to ".xbindkeysrc". To edit this file, open My Computer → Home and open". xbindkeysrc " in any text editor. To do this, right-click on the file and select a program from the drop-down menu.



On Astra Linux, "My Computer" is located on the desktop

Blume - File Managet		
File View Network Tools Se	tings Help	
0-0-00	C Frank Y Drew - D Q	
ddrass 1 Computal > Hoxe Pi	ga	0
- O Pavorties	Mded	
- Computer	B Decurrents	
2 a Homelike	Previoada	
- Dealing 1 Shoping	in Insiges	
- Cert	Manac	
2 al fibrenge deviana	Futbrity available	
> File System	Chenktops.	
F 💁 Infanti	Cesktop 1	
	2. System Welpapers	
	De Terrplates	
14.85 GB hee 10 elements		
+ B B 📕	traine bei fint	1) en 17: 27

In other versions of Linux, this folder may be called Home. Click the arrow to view the entire contents of the folder

tress: 1 Computer > Home	Piage	Coon		
O Favorites	tache	Pa Dom with		
Computer	pitnos 🧧	55 P.4	_	
· Homelike	attus 😑	Send:	2	
> 🚞 cathe	Direction (1997)	m Sh Pack	2.	
gilnos. 📫 🗧	grupg	C.b. Adions	3	
athus 📫 🗧	local 🚞	C + Conv	ChileC	
🔅 🚞 .fly	alisom 📁	BAYON	Child	
paung. 📫 🗧	Set Video	10 Baname	82	
lacel.	Cocurrents	C at Dates	TheRead	
alizami, 📫 🗧	- Downloads	P P Martin to Trant	Dei	
- Video	images.	A move as steam	- 241	
Documents	I Music	C Features_		
+ Downlowds	Publicly analyze	e asiaiaion-enora		
> in triagen	and a fair of the second			
and the second sec				

Find the file". xbindkeysrc", right-click on it and select "Open with"



In the list of applications, select any text editor. In the Astra Linux example, this is the Kate program

#### Add the following lines to the file:

"xvkbd -xsendevent -text '@'"

m:0x18 + c:11

Alt+Mod2 + 2

It is important to write the first line without indentation, and the next two lines with indentation. This is how the system will determine where the command is in the code and where the keyboard shortcut is. Then save the file.



Here's what will appear in ".xbindkeysrc" after editing

**Go to the terminal and type xbindkeys.** Next, you can write the "@" character using the "Alt+2"keyboard shortcut.

Add the xbindkeys command to startup so that the settings are saved after a system reboot. To do this, open Menu  $\rightarrow$  Options  $\rightarrow$  Startup and click Add App at the bottom of the window. Enter the command in the line and click "Yes".



On Astra Linux, the Menu button might look like this



Find the "Control Panel" and click on it



In the" Control Panel "find the item "System" and "Autorun"

annous Annous 941	nem-wide antanzo				
Nieme	✓ Team	Condition	Laursch phose	Launch the app after	
epications					
Fry-ykbd-mir	sittual keyboard Disabl	lod ∓ast	- <u>2</u> - 4	~ (Not set)	

Click the "Add App" button

Alame	Select a program. If the program is not listed, when its name or click Broave, mestart the sco	after .
Applications	xbindkeys 6 ~ (Mr. 941)	
	> Termanut Settings	

In the new window, enter the xbindkeys command so that it runs after a reboot, and then click Yes

## **XCompose method**

This method uses keys that are rarely used. For example, the left "Alt" is needed to switch the keyboard layout, but the right one is not used for this. You can make it so that when the combination "right Alt+2" is printed, " @ " is printed on the Russian keyboard layout. To do this, you will need the **setxkbmap** program. It allows you to customize the keyboard layout and reassign keys as you like. For example, make the system perceive the right " Alt " as the" compose " key. This is an analog of Alt-code on Windows. This means that you can hold down the right "Alt" or any key and get a special character — in our case,"@".

The XCompose method was tested on Astra Linux, so it will most likely work on other systems based on the Debian architecture.

Here's how to set it up: **Open " Terminal "and type a command** that will allow you to set the right" Alt "as the"compose" key. Here it is:

setxkbmap -option compose:ralt,grp:alt\_shift\_toggle -layout us,ru

It is important to do this, because during the setup process, the combination for switching the keyboard layout may fly off.



You assign the "compose" key to the right "Alt" key, but add a condition that preserves the key combination for switching the keyboard layout

**Open the Home folder** and make the system show hidden system files. To do this, open the "View" menu and check the box next to "Show hidden".

Fin Very Service Topic Tellings real		
0.0.0000	Former T (L) was ~ LD ( Ma	1.00
Control - Congram - Harmon region - Congram - Congram	<ul> <li>Imp.</li> <li>Video</li> <li>Downwelk</li> <li>Downwelk</li> <li>Downwelk</li> <li>Downwelk</li> <li>Mass</li> <li>Mass</li> <li>Patting section</li> <li>Casting:</li> <li>Casting:</li> <li>Status:</li> <li>Status:<th></th></li></ul>	
14 D4 DB: Swe 11 aromatiks		· · · · ·
* 6 6 💽	at these threes	⊲ & - 14:3

On Astra Linux, the folder is called "Home", but on other systems it can be "Home"



When you enable the "Show hidden" option, you will see system files with a dot in front of the name and will be able to make changes to them

**Create a ".XCompose " file** in the Home folder to specify a keyboard shortcut for the "@ " character. To do this, right-click anywhere in the window and select "New"  $\rightarrow$  "File"from the menu. Give it the name ". XCompose " without the ".txt " permission.

a: 12 Computar + Home Page						
Computer	acide	(C. 144	vic.			
a thready	gilmos 📫	fift dere	tiony			
> III sadre	Si albut	(2. der	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )			
y 🔤 .contig	Dy Dy	🖂 ard	ie .			
> 🚞 attais	trups	E xai	harty			
the second second	lin Jocal	(F	diveyors			
> 🤤 gnung	in recetta	🖪 aver	sion-enors			
- Malaf	25 trop	E .exe	sion entors und			
1 🔤 mépila	> Video					
Title 1810	Cocumente					
Ter Video	A Overstam					
Becamera	in Transport					
+ Downlawde	W Munit:		SIVine	- 2		
) 🐱 Imageo	Futility avail	white:	Bart ly	- 2		
Wanic Manic	Desktops		Non Site			
Puble:	Centrip 1		R. To find		a Existen	
Desktope	😹 Bystem Walip	aper	7 Chutte		Contraction of the second s	
P qotitop 1	Templates		T Mager	-121/W	Bethat	
Byslevi Watpaper	E Aust, Natory		Contraction in the second		All I dought the second	
	the second se		O THEFT		FU Passarda manual	
Templates	E Bush Jogeut				Ph.1 Bank Offices to bin	

Right-click in the window and select "New "→ "File"



Enter a name and click Yes

**Open the file in any text editor** to make changes. By default, the system prompts you to select a program if the file doesn't have an extension. In Astra Linux, you can choose the Kate editor.

C. Daras - 1 to our select		
File View Network Service Setup	Select the program to open the lifes of this life 0. It	
0-0-000		
Antenna Computer - Hires Piege	Comparison of the second	10
- E Consului	2 automotional	
Y at remains	Page 199	
E 😂 cathe	The Autory	
> 👝 serilg	ing Bartzlay	
2 - De dibut	Se Contentine	
> 🦲 fty	The Generation	
> 😑 grupg	§ ErugeMagick (color depth=q56)	
2 in head	■ 1901.030	
a muitta	1 13	
tmp	E MARY E	
· Visteral	*Gpg	
Courrents	(2) Kostartari	
- IN Downloads	E manine	
3 🖮 Invegen.	E Lancines	
- a Music	1_1 Det All spipe by default	
Putnuty evaluate	Anathar Pharman Corr Careel	
>- 🎫 Diesektopre		
- En Dankhag 1	BB Tempipipa	
> 🖉 Eysterr Wutpiper	Dath, hetbry	
Terrgiamo	📑 besh_logiout	
Terra and a		
14 E4 T2E avviation 20 minutes 1 attacking		
		1 201 20

Select a program from the list and click Open

Enter the keyboard shortcut code for the "@ " character. It will be like this:

<Multi\_key> <2> : "@"

Then save the file.



This is what the code looks like in a text editor

Film View National Service Setup	-		100000	
	C Kerpe	e*-See		
0-0-000	File Edit Sec	okmank View Session Topic Settings Help		
dateau Conputer o Horse Page	3 M	ten transit fair	1 m	1
- 📮 Conpolar	-	The mourtenite area charged Same translation oversy?		
· · · ·	a a	Oscenets Louise		
E cate		Territory Starters Starters		
🗧 🔤 cantar	100	[16] S. D. Statistics and C. Markellin, Control Statistics, Phys. Rev. Lett. 70, 1000 (1990).		
la 🔁 dius	CHC I			
> 🚾 .Rg	1			
> 🔤 dardell	1			
> Dr batal	*			
⇒ 🔤 magina				
Et trep	2	Detect Al		
- in Video	1	Mine BRants OCanoe		
<ul> <li>Decumente</li> </ul>				
> Downitraits				
eojoni 🕷 <	(and a	Participation a second and	ACCORD 101 MIL	
20 Music	How I	Countries instant roosed a contra -	1001000-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
Publish available	100	J and Regimes		
Dedebigs	& System	Walgapers		
Destrop 7	In the set	titinia .		
3 In System Wellpaper	E SEAR	pena kala-swp		
Terpickes	[3 bet)	antofy		
104 GB Res 31 stamping 1 attorned				_
	100		AL 17	20 1

When you close a document, the system automatically prompts you to save it

Now you can press the right "Alt" and the "2" button and get the "@ " symbol without switching the keyboard layout. The combination produces this result only if both keys are pressed consecutively. For example, if you hold down the right "Alt" and press "2" several times, " dog " will be printed only for the first time.

### In short: how to type the @ symbol on the Russian keyboard layout

1. On Windows, use the Alt code "64". To do this, hold down the "Alt "key and type" 64 " on the Numpad numeric keypad. If it doesn't exist, use the on-screen keyboard.

- 2. On macOS, hold down the "Options" key and the number "2".
- 3. On Linux, configure the desired keyboard shortcut using the xbindkeys and xvkbd programs. Or use the XCompose method.