KDE Connect



Connect Devices Wireless on Local Networks

What is KDE Connect

KDE Connect is a open source program that enables all your devices to communicate with each other. Some of the things KDE Connect can do are:-

- Receive your phone notifications on your desktop computer and reply to messages
- Control music playing on your desktop from your phone
- Use your phone as a remote control for your desktop
- Run predefined commands on your PC from connected devices.
- Check your phones battery level from the desktop
- Ring your phone to help finding it
- Share files and links between devices
- Browse your phone from the desktop
- Control the desktop's volume from the phone

KDE Connect How and Where

To achieve this, KDE Connect does the following:

- Uses a secure communication protocol over the network, and allows any developer to create plugins for it.
- A component that you install on your desktop.
- A KDE Connect client app you run on your phone.

KDE Connect is a multi system program/APP and runs on the following Systems:-

- Linux
- Android
- MacOS
- iOS
- Windows

Your can download/Install KDE Connect from:-

- Your Linux Distro's Repository
- Google Play Store
- Apple App Store
- Windows App Store
- Or the website :- https://kdeconnect.kde.org/

Locate Device

		KDE Connect 🛛 😒 🔿 🛞
localhost 🖉	÷	➔ Pair
🖶 Find devices	Avai	ailable
		Pixel 6A Device not trusted

21:39 ⊗ ▲ • ▲ ● 33% ■ KDE Connect Devices : Other devices running KDE Connect in your same network should appear here. Available devices □ localhost

- KDE Connect works by wirelessly connecting devices on a local network (Both devices must be on the same network)
- Open the program and APP on the devices (PC and Mobile in this case)
- Once connected and recognised on the same network the PC and mobile screen will show both devices ready to be selected







Pairing Screens

- You can pair from the the PC or the Mobile phone
- Pairing from the Mobile you will get a notification (Task Bar Notifier) to "Accept" Pairing
- Pairing from the PC you will get the screen on the right on your mobile



Connected

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Pixel 6A	<u>i</u> C	Rem	ote input			
Device trusted and connected	G	Pres	entation Remote			
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for more info): Filesystem expose Media Player Control Receive remote keypresses Notification sync

Successfully connected

- The main KDE Connect screen on PC
- Mobile Screen for KDE Connect
- Main reason you would use KDE Connect is to connect with an external device and thus you would use the device's controls.
- In the main I have only used the "Plugin Settings" and "Unpair" in this screen



Plugin Settings

localhost 🧷	+	Plugin Settings	
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Pixel 6A Device trusted and connected	~	Ping	
	~	MprisRemote	
	~	Find this device	1
	~	- Remote keyboard from the desktop	-
	~	Contacts	
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	~	Multimedia control receiver	
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	~	<u>V</u> irtual input	
	~	Receive notifications	
	~	Photo	
	~	RemoteControl	
	~	P <u>a</u> use media during calls	٢
	~	LockDevice	
	~	Remote system volume	
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	~	Share an <u>d</u> receive	0
	~	Ring my phone	
	~	Battery monitor	
	~	Remote filesystem bro <u>w</u> ser	_
	~	Run commands	۲
	~	System volume	
	~	Bigscreen	
	~	Telephony integration	
	~	Send notifications	0

- Plugin Panel is where you can control the various Plugins
- For example "Remote filesystem browser" will allow you to browse the connected device.

Dolphin



You don't need the main panel on the PC to transfer files as a simple way of copying files is to use your distros file manager.

- In the example its Dolphin
- "Right Click on the file you wish send
- Select "Send to mobile* via KDE Connect
- You may get a notification asking you to "Accept" the transfer on your mobile

* Mobile would be displayed as the device you have connected with. In the above example mobile is "Pixel 6A"



Left Click on Icon



- For more options left click on the "KDE Connect" icon in the task bar
- Click on the "Tools" icon and select the require item from the Pop up Menu
- On both panels you will see the device and the battery status

Task Bar Icon

Browsing Mobile

	_		
	Pixel 6A		
Places Home Desktop Documents Downloads Music Pictures Videos Wastebin	Home ×	Pixel 6A ×	
Remote Network Recent Recent Files			
Recent Locations Devices 1.8 TiB Hard Drive 206.4 GiB Hard Drive Pixel 6A			

- Clicking on "Browsing this Device" will allow you to browse the file system on the connected device.
- Using your file manager you can view and manipulate files between both systems.

NOTE:- To browse on your Mobile/device you must give the KDE Connect App the permissions it needs to do so Task Bar Icon

SMS Panel

		KDE Connect SMS	\odot \otimes \otimes
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Filter		Bal	Hi there, we're letting you know that your recharge expires in two days on 13/06/23.
OPTUS_INFO OPTUS_INFO: Hi there, we're letting you know that yo	BALANCE & PLAN	25. May, 08:39	It's easy to stay connected, simply recharge via My Optus app: app.optus.com.au/recharge/ tags=INEXP or online: optus.com.au/recharge Need help: optus.com.au/contact
9999 9999: BALANCE & PLAN	Number: 0411837847		11. Jun, 09:49
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+61421137962 +61421137962: We are confirming that you are eligibl	Reply with number.		
8 +61434815344 +61434815344: We are confirming that you are eligibl	MENU: View Main Menu		
÷	25 May 09-20	Ŷ	
Pixel 6A 🗸	Compose message		Compose message

- Clicking on the "SMS Messages" will open the KDE Connect SMS panel
- In the left panel are your messages whilst the right panel are any messages you clicked.
- You can open more than one message, plus scroll down to see all message from the one sender.
- Currently you can reply to messages but not generate new ones. (Every update has improvements and extra functions)
- When connected you will get SMS notifications from the Task Bar Notifier when you receive SMS's

Task Bar Icon Right Click on Icon



- Right clicking the KDE Connect icon in the Task Bar shows the "KDE Connect Settings" Pop up Menu
- Use this to get to the "Configure KDE Settings"
 Panel then select listed Device.



Task Bar Icon

Configure KDE Connect Settings Panel

	Configure — KDE Connect Settings	2 🛛 📀
KDE Connect		
localhost	Pixel 6A (paired)	Unpair Send ning
Pixel 6A	Key: d1ba0350ab991d68b6cf6d21befa1cec0cb72a511a781297324fbd75d0/82e85	Contrast Contrast Pring
	Search	
	Available plugins	Ô
	Show your phone battery next to your computer battery	0
	Bigscreen Plugin	0
	Cilipboard Share the clipboard between devices	0
	Synchronize Contacts Between the Desktop and the Connected Device	0
	Section 2012 Find this device by making it play an alarm sound	<i>▶</i> ○
	Inhibit screensaver Inhibit the screensaver when the device is connected	0
	Control MPRIS services	0
	Multimedia control receiver Remote control your music and videos	0
	Pause media during calls Pause musicivideos during a phone call	<i>»</i> 0
	Photo Use a connected device to take a photo	
	Ping Send and receive pings	0
	Use your mobile device to point to things on the screen	
	Show device's notifications	
	Compared States and St	
	C Remote keyboard from the desktop Use your keyboard to send key-events to your paired device	0
	Control Remote Systems	0
	Ring my phone Find your lost phone by making it play an alarm sound	
	Run commands Execute console commands remotely	× 0
	Send notifications Broadcast this computer's notifications, so they can be shown on other devices.	· · · · · ·
	Share and receive Receive and send files, URLs or plain text easily	
	✓ ∑ SMS Send and receive SMS	0
	System volume Control the system volume from your phone	0
	A Telephony integration Show notifications for incoming calls	
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The Configure – KDE Connect Settings Panel give you the options needed to configure the features on how the connection will work.

- Most items can be switched on and off
- There 5 Items that have more options by clicking on the "Tool Button"

Device Permissions

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Send files	🗂 Send clipboard	Send files	ื่⊐ Send clipboard
■ Slideshow remote	► Multimedia control	 Slideshow remote 	► Multimedia control
S Remote input	> Run Command	Semote input	≻ Run Command
Some Plugins need pe for more info):	rmissions to work (tap		
Filesystem expose			
Media Player Control			
Receive remote keypre	sses		
Notification sync			

On mobile devices you will need to give KDE Connect the permissions needed to access all the plugins and features needed

- Example on the left is with the permissions that are needed to be switched on.
- Example on the right has all permissions allocated.



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The above screens on your device displays file menu where can select the files you wish to transfer. You can transfer most files, but extra large files can be a problem and not work.

- The Left Screen shows a list of files to select from, just click on the file and it will be transferred.
- The right screen has multiple files selected, in this case click on "Select" to transfer the files.
- In both cases after each transfer you return to the main screen.

Remote Access



The above two screens are for remote access to the PC.

- The screen on the left is for Presentations (For example LibreOffice Impress) to remotely run the presentation from your mobile.
- The screen on the right Screen is for remote mouse access, to remotely control your mouse on the PC.

Media Control



ThesescreensshowtheMultimediaControlfunctionforthe music player on the PC

- The left screen is opened from the main menu
- The screen below is on the pull down "Notification Bar on your Mobile
- Both allow access to control your Music player's controls to adjust the main functions of the player.

There maybe slight differences to KDE Connect depending on your Linux Distro. There are different versions or similar programs for other desktops.

In the main it is a good little program and works well when transferring files but you need to remember not overdo it with extra large files or too many files at once.

