I'm not a bot

A TP-Link ID is a cloud-based account that you can use on all TP-Link Wi-Fi 6 routers, mesh Wi-Fi systems and smart home devices. The account works with TP-Link’s mobile apps like Tether or Kasa Smart, and it is useful for controlling your devices remotely, from anywhere on the internet. TP-Link accounts are easy to create and use, and they help a lot in making your experience simpler. If you need help creating a TP-Link ID and binding it to your TP-Link Wi-Fi 6 router, here’s how it is done, both from a PC and a smartphone: One of the easiest ways to create a TP-Link account is from the Tether app used to set up and remotely control your TP-Link Wi-Fi 6 router. Install the app on your Android smartphone or iPhone, and then run it. Make sure that you are connected to the internet when you do this. As soon as the app starts, it asks for a TP-Link ID. If you already have one, accept the privacy policy and terms of use, enter the details of your account, and press Log in. Accept TP-Link's privacy policy If you want to create a TP-Link account, tap on the “Create a TP-Link ID button.” You are informed about the benefits of using such an ID. Read them, and tap Next. Why you should create a TP-Link ID It is time to enter the e-mail address you want to use and the password for your TP-Link ID. Also, don’t forget to accept the privacy policy and the terms of use, and choose whether you want to subscribe to TP-Link’s newsletter. Then, tap on Sign Up. Creating a TP-Link ID You are asked to activate your account. An activation link is sent to your email address. Open the email app on your smartphone, tap on the activation link, and then get back to the Tether app. There, tap “Activated & Log In.” Activate your TP-Link ID Enter the login information for your TP-Link ID, and press Log In. Then, continue with the router setup, as instructed in this guide. At the end of the setup process, the Tether app asks whether you want to Bind TP-Link ID. Press BIND NOW, and you are done. Bind your TP-Link ID to your device You can now use the Tether app on your smartphone to control your TP-Link Wi-Fi 6 router remotely, from anywhere in the world, as long as you have an internet connection available. If you just bought your new TP-Link Wi-Fi 6 router, and you want to set it up from a laptop or PC, open your favorite web browser, and go to tplinkwifi.net or 192.168.0.1. This action loads TP-Link’s setup wizard, which starts by asking you to create an administrator password for your router. Read this guide for instructions on how to perform the initial setup: 2 ways to set up your TP-Link Wi-Fi 6 router. At the end of the initial setup, you are shown a success message, with details about how your router is configured. Press Next. The Summary at the end of the TP-Link quick setup wizard You are then asked to “Get TP-Link Cloud Service” and enter the login information of your TP-Link account. If you already have an account, enter your credentials, and press Log In. If you don’t have an account, click the “Sign Up” link. Add your TP-Link ID This action takes you to a screen where you are prompted to enter the e-mail address you want to use for your TP-Link account and its password. Enter the necessary information, agree to the privacy policy and terms of use, and press Register. Create your TP-Link ID You are informed that an activation message was sent to your email address. Open your inbox, find this email message, and click the necessary link. Then, back in the TP-Link setup wizard, press Login. Activate your TP-Link ID You are now logged in with your TP-Link account on your Wi-Fi 6 router, and you can use it to remotely control your router from your smartphone. TIP: If you want the best performance from your TP-Link router, it is a good idea to update its firmware. Read this guide to learn how: 2 ways to update the firmware on a TP-Link Wi-Fi 6 router. If you want to create a TP-Link cloud account or TP-Link ID before setting up your router, open your default web browser on your PC, and navigate to tplinkcloud.com. There you should see a login prompt like the one below. To create a new TP-Link account, click or tap on “Not Registered.” The TP-Link Cloud website You are shown a couple of fields you need to complete: the e-mail address you want for your TP-Link ID and the password. Enter the required information, and press OK. Create a TP-Link ID You are asked to check your email inbox for an activation link. Go to your inbox, and click or tap the activation link that is sent to you. If you don’t see this email message, check the Spam folder too. After you have activated your TP-Link ID, you can use it to bind your TP-Link Wi-Fi 6 router and use it in mobile apps to remotely control all kinds of TP-Link devices, including the TP-Link Tether app and Kasa Smart for Android and iOS. If you have already installed your TP-Link Wi-Fi 6 router and the initial setup was finalized without binding it to a TP-Link account, you can make this connection later. To do that, open a web browser, and go to tplinkwifi.net or 192.168.0.1. Enter the local password used to administer your router, and press LOG IN. Login to your TP-Link Wi-Fi 6 router Then, in TP-Link’s administration interface, go to Advanced -> TP-Link ID. On the right, enter the login details for your TP-Link account, and press Log In. Add your TP-Link ID If you don’t have an account, click on Sign Up, and enter the email address and password you want to use. Also, don’t forget to activate your account, so that it becomes usable. At the end of this guide, you should have an active TP-Link account that is bound to your TP-Link Wi-Fi 6 router. Before closing, tell us if everything worked well for you and how you plan to use your newly created TP-Link ID. What router and other devices are you going to remotely control with it? Learn how to install and start using Powerline adapters for Internet connectivity throughout your home. Perhaps you haven't yet purchased Powerline adapters but are trying to understand how they work. Or maybe you already bought a pair but aren't sure how to set them up. In either case, this article will show you how to get started with Powerline adapters and give you an overview of how they work.Powerline adapters can be very simple to set up. Conceptually, you can think of a pair of Powerline adapters as an extension for an Ethernet cable. More than two Powerline adapters behave like an Ethernet hub combined with Ethernet cables.Most Powerline adapters are configured similarly.To set up Powerline adapters: Plug one Powerline adapter into a power outlet and connect it to your Internet router via an Ethernet cable.Plug one or more additional Powerline adapters into power outlets in rooms where you want Internet access. Connect them to computers or other network devices via Ethernet cables.Pair the Powerline adapters by holding down the button on each adapter for a few seconds.That's it! Your devices should now be on the network and have Internet access.Check out my Recommended Powerline Adapters below. NETGEAR Powerline Adapter Kit, 2000 Mbps Most Powerline adapters indicate that they will only work when connected to the same circuit. Let's dig into the details of how this works.First, let's discuss how home electrical panels are wired in North America.Three lines run from the power company's transformer (the thing that looks like a can on a power pole) to your home: a neutral and two hot leads (line 1, line 2).There are 120 V between line 1 and neutral and between line 2 and neutral.There are 240 V between line 1 and line 2.Circuit breakers are labeled for various rooms or appliances on your electrical panel. Circuit breakers limit the current from exceeding the desired threshold to ensure that your wires don't melt.Lights and outlets in rooms need 120 V, so circuit breakers for those rooms connect to neutral and either line 1 or line 2.Larger appliances need 240 V, so those circuit breakers connect to line 1 and line 2.Each row in an electrical panel alternates between line 1 and line 2. Because 120 V breakers only need to connect to either line 1 or line 2, but not both, they take up a single row of an electrical panel's left or right column.Here's an example electrical panel layout: LineLeft Column of Electrical PanelRight Column of Electrical Panel Line 1Circuit Breaker 1Circuit Breaker 2 Line 2Circuit Breaker 3Circuit Breaker 4 Line 1Circuit Breaker 5Circuit Breaker 6 Line 2Circuit Breaker 7Circuit Breaker 8 Line 1Circuit Breaker 9Circuit Breaker 10 .....Note that lines 1 and 2 may not always be the same for an electrical panel's left and right columns. For example, whether breakers 1 and 2 both use line 1 will depend on the manufacturer.Similarly, 240 V breakers need to connect to both line 1 and line 2, so they use two rows of a column of the electrical panel.Each of the lines described above is considered a circuit or leg.With North American "split-phase" electrical systems, communication between legs would go through the power meter and transformer. Going through these hurdles makes communication difficult.In some countries, where "multi-phase" installations exist, communication between legs is even more problematic.Powerline technology is not able to communicate well across legs. The performance impact will be considerable if attempting to communicate across legs. The connection may be intermittent, if it works at all. Communication across phases or legs is often the cause of slower than expected speeds.Only rooms on the same leg will communicate at high speed via Powerline.This requirement means that in some cases, you may only be able to use powerline adapters between particular rooms, depending on your home's wiring.For North American installations, you can use the table above to determine if rooms will be able to communicate. For example, Circuit Breakers in positions 1 and 5 should be able to communicate because they both use Line 1.However, keep in mind that the same may not be true when comparing the left column to the right column of an electrical panel. Whether breakers 1 and 2 both use line 1 will depend on the manufacturer.A pair of Powerline adapters allows you to use AC wiring for Ethernet communication. Powerline adapters behave like an extension for an Ethernet cable. You can create an Ethernet network by simply plugging a pair of Powerline adapters into your wall outlets. Powerline adapters can communicate over the same wires as you use for AC power transmission. Use existing home wiring as a replacement for Ethernet cables.Extend wireless coverage.Backhaul for a Mesh Wi-Fi System (i.e., a wired backbone for the Wi-Fi satellites).Get Internet access into hard-to-reach places in your home.Use wired connections to avoid Wi-Fi interference from neighbors.Avoid the latency of Wi-Fi while playing games on consoles and computers.A secure alternative to Wi-Fi.Pros: Easy wiring using existing power outlets (connect an Ethernet cable)Low cost (compared to MoCA adapters)Encrypted (some products)Up to a 300-meter rangeSome models have built-in Wi-FiPlug and play setup (no configuration required)Cons: Often a lower connection speed of around 150-350 Mbps compared to the advertised 1-2 GbpsPowerline devices need to be on the same electrical circuitMay cause noticeable electromagnetic interference with some devices such as speakers (static sound)Power strip, GFCI outlets, and AFCI circuit breakers may degrade Powerline network signalsSome models block an outlet when connecting directly into a wall outlet Ethernet Cable & AlternativesSetup ComplexitySupported SpeedsSupported DistanceLatencyReliability Ethernet Cable - Ethernet over Twisted Pair (e.g., Cat 6a)ExcellentExcellentGoodExcellentExcellent Powerline - Ethernet over PowerlineExcellentFairGoodFairPoor MoCA - Ethernet over CoaxGoodGoodGoodGoodGood Wi-Fi - WirelessGoodFairFairPoorFairSuppose you're looking for an alternative to Ethernet cables and Wi-Fi. In that case, we believe that MoCA (Ethernet over Coax) is the clear winner compared to Powerline due to the faster speeds and better signal quality. However, there are still some use cases where Powerline may be the best solution. Powerline is a little easier to set up than MoCA. MoCA adapters require coax cabling in your rooms, which may not exist in your case.Suppose your Internet speed is less than 200 Mbps or your devices on the network do not support gigabit Ethernet. In these cases, Powerline adapters may be the best of the two options for you, as they offer a lower price point.On the other hand, MoCA adapters are a better option when you want to fully utilize a higher-speed Internet connection and have existing coax cabling between rooms.You could also consider using both! For example, MoCA adapters might work great for connecting an upstairs and downstairs via coax. At the same time, Powerline adapters would be great for getting Internet to a garage that has no coax line available.Learn more about MoCA adapters in my article, Ethernet Over Coax?! A Complete Guide to MoCA Adapters.For even more alternatives, check out my article, The 6 Best Ethernet Cable Alternatives for Home Networks.Powerline adapters will work for providing high-speed Internet to your gaming computer or console, but they are not your best option.Powerline adapters have lower latency than Wi-Fi, which is good. However, they do not have the same reliability or speed compared to their alternatives.Suppose you have coax cabling in your home. In that case, MoCA adapters are a better option, as they provide faster speeds and better reliability.Ethernet cables (e.g., Cat 6a cable) will always provide the fastest, most reliable, and lowest latency solution.A Powerline adapter will work with an Ethernet switch. Using an Ethernet switch, you can connect as many devices as you want to your home network.Ethernet switches, also called network switches, connect multiple devices via Ethernet cables. Ethernet switches are different from routers. An Ethernet switch connects multiple devices within your local area network. In contrast, a router connects your local area network (LAN) to the internet's wide area network (WAN). Routers with multiple ports or Wi-Fi support are logically three separate devices: a router, a switch, and a Wi-Fi access point.Suppose you use an Ethernet switch at least as fast as the Powerline adapter and the rest of your network adapter speeds. In that case, adding an Ethernet switch will not reduce the overall network speed. Using a 1 Gbps switch should be adequate for most use cases. The TL-SG108 is a well-known and reliable network switch.I own this exact switch model and have been using it without any problems for many years.It supports Ethernet speeds of up to 1 Gbps.Due to the fanless design, it is silent.It uses solid capacitors, which means that it should last a long time.It's an unmanaged switch, meaning that it's plug and play, and no configuration is required. TP-Link TL-SG108 - 8 Port Gigabit Unmanaged Ethernet Network Switch If you want to learn more about internet equipment, networking, wiring, or troubleshooting, check out these articles: Have a suggestion or correction for this article? Send us an email at: corrections@techreviewer.com You can also contact the author at: brandon@techreviewer.com article Yes, you read that correctly: you can install Windows 11 without a key and use it without ever activating it. Microsoft no longer forces you to provide a license during its setup, which means you can install Windows 11 without a product key and still access most of its features. However, what does this actually mean for you, and what are the consequences of review When I heard that the new XFX Mercury Radeon RX 9070XT OC Magnetic Air Edition with RGB GPU has magnetic fans, I raised my eyebrows, but at the same time, I immediately wanted to test it. And, surprise, surprise: it’s not just marketing. The XFX Mercury is an overclocked monster, built on AMD’s RDNA 4 architecture. It has RGB lighting, stays cool and quiet article The internet is a powerful tool for learning, but it can also expose children to content that’s far from appropriate. From violent imagery to adult material, the risks are real, and that’s why it’s important to guide our kids toward safer online spaces. One simple way to do this is by replacing general-purpose search engines with some built specifically for younger users. Naturally, many tutorial The Windows 11 notifications are designed to keep you informed - whether it’s an email alert, a meeting reminder, or a system update. But when unmanaged, they can quickly become a source of distraction. To restore order to what can easily become notification chaos, you must know how to manage the notifications in Windows 11. This tutorial provides all the information you need to tutorial Windows 11 and Windows 10 include a set of parental control tools designed to help you guide and manage your child’s digital habits. These tools are part of Microsoft’s Family Safety service and let you set daily screen time limits, restrict or block specific apps, and receive detailed reports about your child’s PC usage. Everything is tied to your Microsoft account and syncs across review Over the years, I’ve grown skeptical of mid-range gaming chairs. Too many focus on form over function, offering flamboyant looks but falling short on real comfort or durability. That’s why the Razer Iskur V2 X was a pleasant surprise. It delivers proper ergonomic support, solid build quality, and comfort, all at a reasonable price. Would you like to know more about it and what tutorial Windows 11 has stricter hardware requirements than any previous version of the operating system. Features like TPM 2.0, Secure Boot, a supported CPU, and at least 4 GB of RAM are officially mandatory. That means many older PCs are locked out, at least on paper. But if you’re determined to run Windows 11 on unsupported hardware, there are safe and effective ways to bypass review Samsung’s Fan Edition devices are all about delivering flagship-like features at a more accessible price, and the Galaxy Tab S10 FE+ sticks closely to that formula. With a larger 13.1-inch display, improved performance, and excellent battery life, it aims to bring a premium tablet experience to users who don’t want to spend a lot of money. It even includes extras like an IP68 rating tutorial Like many of our readers, I’m growing tired of constantly hearing about artificial intelligence (AI). Many AI-powered tools and features aren’t actually good and don’t live up to their marketing promises. Luckily, some tools and features are great, and Google’s Circle to Search is among them. By drawing a simple circle on the display of an Android smartphone or tablet, you can select text, review HUAWEI has a strong performance in the global smartwatch market, thanks to its diverse range of devices that cater to various health and sports tracking needs at different price points. The company aims to build upon this success by launching several new products, including the HUAWEI WATCH 5. This smartwatch stands out with its classic design, high-quality materials, and innovative X-TAP sensor, which promises see all review While I was testing the Garmin vivoactive 6 - a smartwatch that impressed me despite minimal hardware upgrades - the company launched its first-ever premium subscription service, Garmin Connect+. Priced at $6.99 per month, which is less than Apple Fitness+, this new offer sparked considerable debate among Garmin’s users who worry about useful features moving behind a paywall. As always, I wanted to have review Samsung has long been a major player in high-performance storage, and with the launch of the 9100 Pro series, it’s making a bold entry into the PCIe 5.0 SSD market. The Samsung 9100 PRO NVMe SSD is the company’s first enthusiast-level PCIe Gen5 drive, designed to deliver extremely fast speeds and improved efficiency. It comes in 1TB, 2TB, and 4TB capacities, with an 8TB tutorial Microsoft has continuously refined its family features, and Windows 11 makes setting up a child account even smoother and more user-friendly than before. If you’re wondering, “Does Windows 11 have a kids mode?”, the answer is yes, thanks to its Family Safety features. If you’re curious about how to set up a Windows 11 laptop for a child or how to create a child tutorial Cookies aren’t just sweet treats - they’re also a key part of how the internet works. Browser cookies are small bits of text that websites use to store information about you, like your login status, preferences, or shopping cart contents. These can be helpful for a smoother browsing experience, but they also let sites track your activity for ads and analytics. That’s why you review Are you searching for an external SSD that provides ultra-fast USB 4 connectivity? Do you need a portable storage solution that is compatible with multiple systems, including Windows, macOS, and iOS? Would you like a portable SSD that connects to your devices via USB-C? If so, you should consider the Corsair EX400U. This compact SSD has some exciting features, including MagSafe compatibility, which will tutorial In Windows 11 and Windows 10, the Photos app can display your entire collection of images and videos, including those stored locally on your computer or device, as well as those in your OneDrive or iCloud storage. If you’re a Windows and iPhone user, and you open Photos on your laptop or computer, you may see pictures and videos from both cloud storage services. tutorial I’ve always found Microsoft’s family features a bit confusing in the past, but things took a welcome turn with Windows 10. Setting up a child account became simpler, more intuitive, and much quicker than before. If you’ve ever wondered how to make a child account on Windows 10 or how to set up a Windows 10 computer for a child, this guide will walk tutorial I spend plenty of time tweaking my tools, and Windows Terminal is one of my favorites. It’s not just about its look or modern feel: Windows Terminal manages to make daily tasks quicker and simpler, offering a user experience that’s far superior to older command-line interfaces. I’ve often come across new ways this tool can save me precious time that I’d otherwise spend jumping tutorial Have you ever received a file on your iPhone that just won’t open? Maybe someone sent you something by AirDrop or email, or maybe you downloaded it from Safari, and now you’re staring at a file with a weird extension that iOS doesn’t recognize. What can you do? Read on, ‘cause in this guide, I’ll walk you through how to open unknown files on tutorial As a parent, knowing which video games are safe or suitable for your child can be difficult. With so many titles available, ranging from peaceful building games to fast-paced shooters, it’s important to understand what your child is playing. That’s where ESRB ratings come in. And yet, what does ESRB stand for, and how can these ratings help? The Entertainment Software Rating Board, or see all Headquartered in the United States, TP-Link is a global provider of reliable networking devices and smart home products, consistently ranked as the world’s top provider of Wi-Fi devices. The company is committed to delivering innovative products that enhance people’s lives through faster, more reliable connectivity. With a commitment to excellence, TP-Link serves customers in over 170 countries and continues to grow its global footprint. About This Guide This guide is a complement to Quick Installation Guide. The Quick Installation Guide provides instructions for quick internet setup, while this guide contains details of each function and demonstrates how to configure them in typical scenarios. Features available in Powerline Adapter may vary by model and software version. Powerline Adapter availability may also vary by region or ISP. All images, steps, and descriptions in this guide are only examples and may not reflect your actual Powerline Adapter experience. Conventions In this guide, the following conventions are used: More Info Get to Know Your Powerline Adapter This chapter introduces what the powerline adapter can do and describes its appearance. It contains the following sections: Product Overview Product Appearance 1. 1. Product Overview TP-Link powerline adapter aims to extend your existing home network, with the help of your home’s electrical circuit. The integrated power socket on the powerline adapter provides an outlet for other electronic devices. Its built-in noise filter eliminates electrical signal noise and therefore guarantees the high quality transmission of data via powerline. 1. 2. Product Appearance Your powerline adapter may differ in appearance slightly from that depicted because of the region and product version. TL-PA4020P (European version) is used for demonstration in this guide. 1. 2. 1. LED Legend LEDs indicate the powerline adapter’s working status. For more details, please refer to the following table. * If the device connected to the adapter is turned off or inactive for more than 5 minutes, the powerline adapter will automatically switch to Power-Saving Mode. 1. 2. 2. Physical Interface Integrated Electrical Socket The integrated electrical socket is a pass-through AC outlet used to power other electronic devices. Its built-in noise filter reduces electrical noise and therefore guarantees performance. Power Plug The powerline adapter has a Plug that can be connected to a power socket. Pair Button Press and hold the button for 1 second to set up or join a powerline network. Go to Secure Your Powerline Network by Pairing for more information. Press and hold the button for more than 6 seconds to reset the powerline adapter to factory defaults. Ethernet Ports Connect the Ethernet ports to your wired devices, such as a computer, a router or a game console, via an Ethernet cable. Use Your Powerline Adapter This chapter guides you on how to use the powerline adapter. It contains the following sections: Before You Start Extend Your Wired Network by Plug & Play Secure Your Powerline Network by Pairing Add Another Powerline Adapter Manage Your Powerline Network via tpPLC Utility 2. 1. Before You Start Powerline adapters work in pairs. You should have at least two powerline products to build a powerline network. To optimize your network performance, please follow these principles: All powerline adapters should be on the same electrical wiring system. Avoid plugging in powerline adapters and high-powered household devices (such as washing machines and refrigerators) close to one another. Plug the powerline adapter directly into a wall outlet. Do not plug the powerline adapter into a power strip, extension cord, or surge protector. Use the powerline adapter only in below directions. Environment: Operating Temperature: 0°C~40°C (32°F ~104°F) Storage Temperature: -20°C~70°C (-40°F ~158°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing 2. 2. Extend Your Wired Network by Plug and Play I want to: Use two powerline adapters to set up a new powerline network in my house. For example, I have a router in my house, but there are not enough LAN ports for all my wired devices. I don’t want complex and expensive cabling. People told me that I can solve this problem with two powerline adapters. How can I do that? Connect one of the powerline adapters to an available LAN port of the router using an Ethernet cable. Plug the powerline adapter into a wall outlet. Plug the other powerline adapter into a wall outlet on the same electrical circuit at the place you want internet. Wait until the powerline LED turns on. Note: If the LED is off, refer to What should I do if the Powerline LED is off? for detailed information. Connect your wired device, such as a computer or game console, to the powerline adapter via an Ethernet cable. Done! Now enjoy the internet! 2. 3. Secure Your Powerline Network by Pairing All powerline adapters share some common factory settings, and can communicate with one another. If you want your powerline adapters to communicate only with your own powerline adapters, you should pair them. Thus a secured powerline network is formed and other powerline adapters can no longer join your powerline network without being paired. Note: You can only pair two devices at a time. I want to: Secure my powerline network and prevent other powerline devices from being added to my network. For example, I’ve extended my network using the Plug & Play method. Now I want to secure my network. How can I do that? 1. Plug the new powerline adapter into a wall outlet near one of the existing powerline devices. 2. Wait for a minute, and check whether the Powerline LED turns on. If it’s on, skip to step 3. If it’s not, continue with step 2 to pair the new powerline adapter into the secured powerline network. a . Press the Pair button on one of the existing powerline devices for 1 second. Its Power LED starts blinking. b . Within 2 minutes, press the Pair button on the new powerline adapter for 1 second. Its Power LED starts blinking. When the Powerline LED turns on, the pairing process is complete. 3. Relocate the new powerline adapter to the place where wired internet access is needed. Done! Enjoy the internet through your extended network! 2. 5. Manage Your Powerline Network via tp PLC Utility The tpPLC utility enables you to view and manage your TP-Link powerline network. Its bold and intuitive interface helps you easily configure each powerline device. You can find the utility and its user guide on the product support page at . FAQ (Frequently Asked Questions) Q1. How do I reset my powerline adapter? With the powerline adapter plugged into the wall socket, press and hold its Pair button for more than 6 seconds until the Power LED goes off momentarily and comes back on. Q2. What should I do if the Powerline LED is off? Try another wall socket and make sure all powerline devices are on the same electrical circuit. Try to set up a powerline network by pairing. Refer to the section above Secure Your Powerline Network by Pairing for instructions. If the problem persists, contact our Technical Support. Q3. How to troubleshoot if there is no internet connection via my powerline network? Make sure all powerline devices are on the same electrical circuit. Make sure the Powerline LEDs are lit on all of your powerline devices. If they are not, pair all powerline devices according to Secure Your Powerline Network by Pairing. Make sure all devices are correctly and securely connected. Verify that you have an internet connection by connecting your computer directly to the modem or the router. Q4. What can I do if a successfully-paired powerline device does not reconnect after it has been moved to a new location ? Try another socket on the same electrical circuit. Try to pair it again, and make sure the Powerline LED is on. Check for possible interference due to washing machines, air conditioners or other household appliances. Some powerline devices have an integrated electrical socket. You can plug appliances into this socket to remove the electrical noise originating from them, using a power strip if necessary. Specifications are subject to change without notice . is a registered trademark of TP-Link Technologies Co., Ltd. Other brands and product names are trademarks or registered trademarks of their respective holders. No part of the specifications may be reproduced in any form or by any means or used to make any derivative such as translation, transformation, or adaptation without permission from TP-Link Technologies Co., Ltd. Copyright © 2020 TPLink Technologies Co., Ltd. All rights reserved. Product Name: AV600 2-port Passthrough Powerline Adapter Model Number: TL-PA4020P Responsible party: TP-Link USA Corporation, d/b/a TP-Link North America, Inc. Address: 145 South State College Blvd. Suite 400, Brea, CA 92821 Website: Tel: +1 626 333 0234 Fax: +1 909 527 6803 E-mail: [email protected] Setting up TP-Link powerline adapters can be a convenient and effective way to extend your home network without the need for long Ethernet cables or complicated wireless setups. Powerline adapters use your home’s existing electrical wiring to create a network connection between two or more devices, allowing for fast and reliable internet access throughout your home. In this comprehensive guide, we will walk you through the process of setting up TP-Link powerline adapters step by step, including tips and troubleshooting advice to ensure a smooth and successful installation. What are Powerline Adapters? Powerline adapters are devices that use your home’s electrical wiring to transmit data between devices. They consist of two main components: the adapter that plugs into a power outlet near your router, and additional adapters that plug into power outlets in other rooms to extend the network connection. Powerline adapters are a great alternative to running long Ethernet cables or dealing with spotty wireless signals, providing a fast and stable connection throughout your home. TP-Link is a well-known brand that offers a variety of powerline adapter models to suit different needs and budgets. Their powerline adapters are easy to set up and require minimal configuration, making them a popular choice among users looking to extend their home network. Before you begin setting up your TP-Link powerline adapters, make sure you have the following items: TP-Link powerline adapters (you will need at least two adapters for a basic setup) Ethernet cables Home network router Computer or device with an Ethernet port Now that you have all the necessary items, let’s get started with the setup process. Step 1: Choose the Right Location The first step in setting up TP-Link powerline adapters is to choose the right location for each adapter. The first adapter should be plugged into a power outlet near your home network router, while additional adapters should be placed in rooms where you want to extend the network connection. It’s important to choose locations that are easily accessible and have a strong electrical connection to ensure optimal performance. Avoid plugging powerline adapters into power strips, surge protectors, or extension cords, as these can interfere with the signal and reduce performance. Instead, plug the adapters directly into a wall outlet for the best results. If you need to use a power strip, make sure it is a high-quality one with built-in surge protection and filtering to minimize interference. Step 2: Connect the First Adapter to Your Router Once you have chosen the location for the first adapter, plug it into a power outlet near your home network router. Use an Ethernet cable to connect the adapter to one of the LAN ports on your router. Make sure the adapter is securely plugged in and the Ethernet cable is firmly connected to both the adapter and the router. Next, press the pair button on the adapter to establish a secure connection with the other adapters in your network. The pair button is typically located on the side or front of the adapter and may be labeled with a symbol or icon. Hold down the pair button for a few seconds until the LED light on the adapter starts blinking rapidly. Step 3: Connect the Second Adapter to Your Device Now that the first adapter is connected to your router, it’s time to set up the second adapter in another room. Plug the second adapter into a power outlet in the desired location and use another Ethernet cable to connect it to your computer, smart TV, or other device that needs a network connection. Just like with the first adapter, press the pair button on the second adapter to establish a secure connection with the first adapter. Hold down the pair button until the LED light on the adapter starts blinking rapidly, indicating that it is ready to pair with the first adapter. Step 4: Check the Connection Once both adapters are connected and paired, you can check the network connection between the two devices to ensure everything is working properly. Open a web browser on your computer and try accessing a website to confirm that you have internet access. If the connection is successful, you should be able to browse the web without any issues. If you are experiencing slow speeds or connectivity problems, try moving the adapters to different locations or troubleshooting common issues such as electrical interference or network congestion. TP-Link powerline adapters are designed to be easy to set up and use, but occasional troubleshooting may be required to optimize performance. Step 5: Expand Your Network If you have additional rooms or devices that need a network connection, you can easily expand your network by adding more TP-Link powerline adapters. Simply plug in a new adapter in the desired location, press the pair button to establish a connection with the existing adapters, and connect it to your device using an Ethernet cable. You can add multiple adapters to create a network connection in every room of your home, allowing for seamless internet access wherever you go. TP-Link powerline adapters are a cost-effective and efficient way to extend your home network without the need for complex installations or expensive equipment. Tips for Setting Up TP-Link Powerline Adapters Choose high-quality powerline adapters from a reputable brand like TP-Link to ensure reliability and performance. Avoid using power strips, surge protectors, or extension cords when plugging in powerline adapters, as these can interfere with the signal. Make sure all adapters are securely plugged in and the Ethernet cables are firmly connected to avoid connectivity issues. Use the pair button on each adapter to establish a secure connection between devices and ensure optimal performance. Regularly check the network connection between devices to ensure everything is working properly and troubleshoot any issues that arise. In conclusion, setting up TP-Link powerline adapters is a straightforward process that can greatly enhance your home network connectivity. By following the steps outlined in this guide and implementing the tips provided, you can easily extend your network connection to every room in your home and enjoy fast and reliable internet access wherever you go. TP-Link powerline adapters are a cost-effective and convenient solution for users looking to expand their home network without the need for long Ethernet cables or complex wireless setups. 1. Before You Start Powerline adapters work in pairs. You should have at least two powerline products to build a powerline network. To optimize your network performance, please follow these principles: •All powerline adapters should be on the same electrical wiring system. •Avoid plugging in powerline adapters and high-powered household devices (such as washing machines and refrigerators) close to one another. •Plug the powerline adapter directly into a wall outlet. Do not plug the powerline adapter into a power strip, extension cord, or surge protector. • Environment: Operating Temperature: 0 ºC ~ 40 ºC (32°F ~ 104°F ) Storage Temperature: -20°C~70°C (-4°F~158°F) Operating Humidity: 10%~90%RH, Non-condensing Storage Humidity: 5%~90%RH, Non-condensing 2. Extend Your Wired Network by Plug & Play I want to: Use two powerline adapters to set up a new powerline network in my house. For example, I have a router in my house, but there are not enough LAN ports for all my wired devices. I don’t want complex and expensive cabling. People told me that I can solve this problem with two powerline adapters. How can I do that? 1.Connect one of the powerline adapters to an available LAN port of the router using an Ethernet cable. 2.Plug the powerline adapter into a wall outlet. 3.Plug the other powerline adapter into a wall outlet on the same electrical circuit. Wait until the powerline LED turns on. Note: If the Powerilne LED is off, refer to What should I do if the Powerline LED is off? for detailed information. 4.Connect your wired device, such as a computer or game console, to the powerline adapter via an Ethernet cable. Done! Now enjoy the internet! 3. Secure Your Powerline Network by Pairing All powerline adapters share some common factory settings, and can communicate with one another. If you want your powerline adapters to communicate only with your own powerline adapters, you should pair them. Thus a secured powerline network is formed and other powerline adapters can no longer join your powerline network without being paired. Note: You can only pair two devices at a time. I want to: Secure my powerline network and prevent other powerline devices from being added to my network. For example, I’ve extended my network using the Plug & Play method. Now I want to secure my network. How can I do that? 1.Verify all powerline devices’ Power LEDs are solid on. Tips: We recommend that you plug in your powerline devices near each other, or as close to each other as possible when pairing. Your settings will not be affected. The devices can be relocated to where they are needed once pairing is complete. 2.Press the Pair button on one of the powerline devices for 1 second. Its Power LED starts blinking. 3.Within two minutes, press the Pair button on another powerline adapter for 1 second. Its Power LED starts blinking. When the Powerline LED turns on, the pairing process is complete. Done! Enjoy your secure powerline network! 4. Add Another Powerline Adapter I want to: Add a new powerline adapter into the existing powerline network to extend my network. For example, I’ve already set up a powerline network using powerline devices, but the network does not reach everywhere I need it to. I purchased another one to further extend my network. How can I do that? 1.Plug the new powerline adapter into a wall outlet near one of the existing powerline devices. 2.Wait for a minute, and check whether the Powerline LED turns on. If it’s on, skip to step 3. If it’s not, continue with step 2 to pair the new powerline adapter into the secured powerline network. a .Press the Pair button on one of the existing powerline devices for 1 second. Its Power LED starts blinking. b .Within two minutes, press the Pair button on the new powerline adapter for 1 second. Its Power LED starts blinking. When the Powerline LED turns on, the pairing process is complete. 3.Relocate the new powerline adapter to the place where wired internet access is needed. Done! Enjoy the internet through your extended network! 5. Manage Your Powerline Network via tpPLC Utility The tpPLC utility enables you to view and manage your TP-Link powerline network. Its bold and intuitive interface helps you easily configure each powerline device. You can find the utility and its user guide on the product support page at . What is Powerline? Powerline products turn the electrical wiring of a home into network cables and transmit signals to every room. You can form a Powerline network wherever there are power outlets, eliminating the need for expensive and complicated Ethernet cables. To form a basic Powerline network, it must be deployed in a set of two or more and be connected to the same electrical circuit whether wired or wireless ones. Note: The models begin with TL-WPAxxxx will broadcast the Wi-Fi signal (“W” for “Wireless”); The models start with TL-PAxxxx only support the Ethernet connection. Here we take TL-WPA8630P KIT as a demonstration: LED explanation (TL-WPA8630P as an example) for reference: How to Set Up the Powerline Network? Powerline adapters are simply plug-and-play devices, so please plug both Powerline units into the wall sockets in the same room. Wait 2-3 minutes, when the Powerline LED turns on, connect the Powerline adapter to your router’s LAN port via an Ethernet cable, then relocate the other Powerline adapter to a new location and enjoy the new extended network. If the Powerline adapters cannot pair automatically with each other, please follow the steps below. If it is not the first time you install the Powerline adapters, please reset them to default settings to set up. How to Reset the Powerline Adapter to Factory Default? Step 1: Power on the Powerline adapters. Plug the Powerline extender into a wall socket near one of the existing Powerline adapters. Note: We recommend that you plug in your Powerline devices as close to each other as possible when pairing. Then relocated to where they are needed once pairing is complete. One Powerline adapter is required to connect to the router via an Ethernet cable. Step 2: Pair the Powerline adapters. a. Press and hold the Pair button for one second on the Powerline Adapter. Then the Power light will be blinking quickly. Note: If the Power light is not blinking, please press the pair button for a longer time. Physical Interface: For more details, please refer to the Quick Installation Guide or User Guide. b. Within 2 minutes, press and hold the Pair button on another Powerline Extender for one second. Then the Power lights on both Powerline devices will be blinking quickly at the same time. c. When the Powerline LED turns on, the new device has been successfully added to your Powerline network. Notes: 1. For TL-PA201/TL-PA211 V1/TL-PA210 V1/TL-PA251 V1, you need to hold the Pair button 3-8 seconds to start the pairing procedure. 2. If you want to add more adapters, please press the pair button on one of the existing networks, then press the Pair button on the adapter which wants to be joined in the existing network. Simply add them one by one as the instruction above. Step 3: Relocate the Powerline adapters. After the powerline lights on both Powerline adapters are all lit up, please connect one Powerline adapter to the router via an Ethernet cable and another one plug into the desired place. Note: 1. If the Powerline light is red, it means the powerline adapter is experiencing poor signal strength. Try plugging it into another wall socket. 2. If you have a Powerline Extender, the default Wi-Fi name and password are printed on the Wi-Fi Info Card and device’s bottom label. Step 4: Connect the device to the Powerline adapters and enjoy the internet. If you want to change the Wi-Fi name of the Powerline Extender, please refer to How to Change Wireless Setting Using the tpPLC App (Smartphone)? Is this faq useful? Your feedback helps improve this site. What’s your concern with this article? Dissatisfied with product Too Complicated Confusing Title Does not apply to me Too Vague Other We'd love to get your feedback, please let us know how we can improve this content. Thank you We appreciate your feedback.Click here to contact TP-Link technical support. Written by Daniel 23 December 2023 14:55 You can easily install a TP-Link powerline adapter yourself in a few steps. In this article, we'll explain how to connect the powerlines and how to connect them to each other. You want to set up your TP-Link powerline adapters. Follow these 3 steps: Connect the main adapter to your router Link the adapters Create 1 WiFi network in your home Connect your first powerline adapter to your router with an Ethernet cable. Then, plug it into a socket. The lights for 'Power', 'Ethernet', and 'Powerline' are now on. These are the first three lights from the left. Plug the other powerlines into a socket within reach of your main adapter. These adapters pick up the signal and transmit it. Now, press the 'Pair' buttons on the side of both adapters within 2 minutes. Wait a minute until the second light from the left also lights up. Is the Powerline light green now? The signal is good enough. Is it red? Place the adapter a little closer to the other adapters. Repeat this process for all your powerlines. After the first connection, you can plug the adapter into any socket in the house. The only condition is that the sockets must belong to the same group. If that's not the case, place the adapters within reach of the other adapters. Isn't the connection working? Enter the name of your adapter via the TP-Link Utility software. How can financial brands set themselves apart through visual storytelling? Our experts explain how.Learn MoreThe Motorsport Images Collections captures events from 1895 to today’s most recent coverage.Discover The CollectionCurated, compelling, and worth your time. Explore our latest gallery of Editors’ Picks.Browse Editors' FavoritesHow can financial brands set themselves apart through visual storytelling? Our experts explain how.Learn MoreThe Motorsport Images Collections captures events from 1895 to today’s most recent coverage.Discover The CollectionCurated, compelling, and worth your time. Explore our latest gallery of Editors’ Picks.Browse Editors