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- **dph 154 manual, cisco model dph-154 manual, dph 154 manual, dph 154 manual, cisco dph 154 manual, cisco dph 154 user manual.**

When you are on a call that originated on a cell tower, and come back to the microcell, the microcell will not connect, and you will stay on the cell tower. The user manual states this, but I didnt see that mentioned on any reviews. In my situation, as long as I know that, it will work great.We just moved into a 3,000 sq. ft. Home in the mountains. I installed this unit and 15 minutes I had 5 bars throughout the entire house. I would highly recommend.Works great, although if you have a weak native signal your phone will sometimes get confused as to which one to lock onto. But it brings strong cell signal, voice and data, where there was none.This one was less than half the original cost and works great. No more dropped calls or connections. Without one of these, cell service is sporadic, at best. With it, full bars all around my home and 60 feet to the end of my driveway. I very strongly recommend this product.I looked into boosters that require mounting an external antenna, but these are impractical for our home. I took a chance with a refurb unit from Amazon and Im glad I did as I now have a strong signal, 4 out of 4 bars on an iPhone 7, with very good connectivity and voice. Installation went OK, step 1 power on went OK. Step 3 verifying my location via GPS took some time, but it worked. Step 4 activation went OK. Mine is 50ft of cat 6 ethernet cable run in the attic. The unit also needs to receive the GPS signals to verify location, probably near a window.Bought this device, easy activation, 2 cords to connect. I now have 5 bars in EVERY ROOM!! Highly recommend! Originally rated this 5 stars as it worked great out of box. Two months later it started dropping calls, etc. Called ATT and they said product was discontinued and would not take back. Called Amazon and they took it back after I explained.Took our phones up from 1 to 5 signal strength. Was able to copy my old number list of

guests.http://www.incibit.eu/userfiles/compaq-presario-v6700-service-manual.xml

Only boosts signals of other ATT customers on specific call list you create. Comes with 1 Mcell 2 power adapter 3 Ethernet cable. DMZ option Ive tried to setup the second WAN port for DMZ, but when I put the IP address in for the DMZ, the LAN disconnects from the internet. I also question this setting because it wants a single public address but the RV325 obtains the internet IP automatically from the ISP. Meaning that they give me a randomized set of IP addresses. I also set the DMZ host up to different private IP addresses 192.168.1.5, 192.168.1.210. And set the DHCP to bind the DPH154 to the DMZ hosting address. Im desperate Private or Public Are your LAN and WAN on different subnets. Using One to One NAT wont work as it requires the router to have a static IP address as well as access to more than 1 public IP address from the provider. If you do have a public Ip address on the router then port forwarding to the IP address of the microcell should work. I can always pay the extra fees to get a fixed IP address from my ISP. Ill try to validate it first. The funny thing is, is that its the cisco microcell that cant get through the cisco router. Both Verizon and sprint microcells worked perfectly by just connecting them to the standard LAN ports. Thank you cchamorr To setup the one to one NAT, the RV325 wants a public IP range thats not assigned to my router. My router has been given an address of 72.211.250.209, a gateway of 72.211.250.1, and a DNS of 68.105.28.11. I thought the only public IP address I get, is the one assigned to the router gateway. What would I use for a public IP range Thanks To be more clear. No, you cannot use One to One NAT with your current configuration. Second, Im sorry but Im running out of ideas. One thing that you can do is to create a port forwarding rule sending ALL TRAFFIC to the ip address of the MicroCell.

If it works better then we know that we just need to find out all the ports that are needed for it to work properly, if it doesnt work then we know it has nothing to do with ports. I hope this helps Its just doing an ARP and getting nothing back, so the IP address ends up as 0.0.0.0 there appears to be a bug preventing the two Cisco devices from being compatible. Level 2 is looking into it for me. Please let us know what they discover. Si este no es tu caso es porque existe un loop en tu red. Saludos. I want to use a more robust router as the RV320. Must be some settings somehow to accomplish this. It looks like the DPH154 wasnt getting an IP address from the DHCP server. Eventhough I bound the MAC address to an IP address.So it seems to me the solution lies with the DHCP request process between microcell and Router. That would eliminate any problems with dhcp. There is no way to give the DPH154 an IP address. And, even if you were to play some tricks to get an IP address associated with the PDH154, the router still ignores the packets to and from that port. Cisco, is working on a custom firmware to fix the issue. Thanks anyway Mark, you might want to open a case under your warrantee. Good luck on getting a fix from Cisco in under a month or a couple of months. Firmware updates take time. We all had misconceptions of remote work before it became part of our everyday work life. Chances are, those perceptions evolv.We all had misconceptions of remote work before it became part of our everyday work life. Chances are, those perceptions evolv.This document describes the steps that you need to follow to install and activate the Cisco Digital Network Architecture v1.2.8. Note For additional information about how to use the Cis.Where you can keep up with the latest from our community and support teams. The site may not work properly if you dont update your browser. If you do not update your browser, we suggest you visit old reddit. Press J to jump to the feed.

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This was a real bummer because in addition to having bad reception in my house or the entire Chicago city, I really dont have great visibility to the sky. No GPS signal. In the old version, it had an external antenna port on the back of the device. Of course, its 3G and because of that my call quality and performance was kind of weak. Well, since this new device doesnt have an external GPS antenna port. I decided to crack it open and see if perhaps the circuit board had a connector. Long story

short, bad idea dont open it up, carefully drill a hole into the side and avoid opening the device. The good news is that the circuit board on the Cisco DPH154 DOES have an external GPS antenna connection port on it. Cisco just got cheap and decided not to hook it up to an external port. Sigh. The bad news is the device has an antitamper mechanism where if you try to open it up, six jumper pins will get disconnected and fly across the room and the device knows that it has been tampered with pretty clever design!. Once this happens, it will permanently corrupt the device so that during activation and they will not allow you to activate that device ever again it will flash red on the cellular bar signal, and the rest of the indicators will remain green. They are mailing me a new device THANK YOU but without the ability to hook up a GPS antenna.If you did so carefully, one should be able to keep the jumper pins in place and reach the external antenna port. Im just a normal customer trying to stay loyal and legal.I have no idea what the FCC would do. The lack of an external GPS antenna port is a deal breaker. Thats nice they will replace it for you. Is this black device any better than the white one. All rights reserved Back to top. IntroductionBlinking red 3G light. Power light red or not lit. Ethernet light is blinking. GPS light blinking. Blinking green 3G light. Phone not connecting. Vonage VoIP. MiscellaneousTechnical, Operational, and Troubleshooting Issues v1.

7There is a new version of the MicroCell, the DPH154, and is the black modelThe MicroCell is a totally closed system so there is no access to modify or changeThe MicroCell is primarily for voice. You can use it for data, but the speeds will beThat's why the recommendation is to leave WiFi on if youThat way, data will be downloaded via WiFi and voice willYou data usage will also not go against your data plan ifVoIP Basics. VoIP Voice over Internet Protocol is basically converting an analog voiceThis is not easy and takes a considerable amountThe key factors that affect VoIP are as follows. Latency this is the amount of time it takes a voice packet to get from your locationThe lower the latency, the better the call. High latency can cause calls to be droppedCauses of high latency can be many. SomePage 2 of 23. Technical, Operational, and Troubleshooting Issues v1.7Unfortunately, the end user has no control over these issues and they can beData packetsDue to network congestion,When the router receives the RTP RealTime Protocol audio stream, it has toThis basically means that the RTP hasThis buffer isIf the jitter is too large to be buffered adequately, packets are discarded whichSometimes the dropouts are not noticeable if the DSP canIf they are tooJitter can only be fixed by your ISP.Causes can include signal degradation, channelSometimes packet loss canExcessive packet loss can result in voice dropouts or loss of connectivity. PacketsIt will vary for lots of reasons and areMost of the time oneYou home network will also affect the bandwidth if you are sharing multiple devicesThere are various applications that you can use to test for latency, jitter, packet loss,To get a more. Page 3 of 23. Technical, Operational, and Troubleshooting Issues v1.7The following links are for two good tests you can perform to assess your lineTo assess your true lineNOTE if you are unable to register registrationMac, or if IE doesn't work, try Chrome. Internet service.

The MicroCell can work with any ISP, EXCEPT SATELLITE andMinimum download andHowever, I think it reallyA stable internetMicroCell use. Active postpaid account. Prepaid customers can be approved users on an active postpaid customer's. In other words, thePage 4 of 23. Technical, Operational, and Troubleshooting Issues v1.7The MicroCell can support up to four voice or data users at once and can be shared. There is no monthly cost to use the MicroCell unless you choose to opt for thePricing and rebates may vary from time to time. You can have multiple MicroCells on one account at a single location to extendThe MicroCell needs to be no more than 18" away from a window with anThe MicroCellIn other words, if you areIf you need to use a GPS extension antenna to locate the MicroCell away from aThe connector is a MCX type. One adapter that isMicroCell. This is usually reserved for troubleshooting because it bypasses the routerYou can use theMinimum Router requirements. DHCP enabled. Ports 123 UDP, 443 TCP, 500 UDP, and 4500 UDP must be open

Public and. Private ports. IPSec PassThrough is enabled. Block Fragmented Packets is disabled. NAT duties handled by only one device if you have a separate router andPage 5 of 23. Technical, Operational, and Troubleshooting Issues v1.7OpenBSD 4.9 router notes for those of you who use OpenBSD, some issues. UVerse BasicsThe use of either technology is dependent,inVDSL is distance limited like DSL, but uses a fiber optic connection part of the way toThe final connection to the premises last mile can,FTTN Fiber To The Node or Neighborhood, FTTP Fiber To The Pole or. Premises, FTTC Fiber To The Curb, or FTTH Fiber To The Home, are all methodsHowever, the VRAD is more of a rack ofThe cards could beRunning fiber from the CO Central Office to the VRAD isn't cheap, and neither areEither type of service works well with the MicroCell. But VDSL is a bit moreMicroCell.

The RG Residential Gateway chosen is dependent upon the type of VDSL that youA bonded pair connection is used if yourThe distance determination. As of this writing, the RG's installed for Uverse services are. Page 6 of 23. Technical, Operational, and Troubleshooting Issues v1.7PACE 5031 are supposed to the "best" for VDSL without a bonded pair they can. The 3801 and the 3800Uverse. Wireless Home Phone WHP. The Wireless Home Phone WHP is a standalone device that allows the user to use a. If you have decent cellularIf not, you canIt may help to think of the WHP as a cell phone. It is activated with a SIM card, isIn addition to a standalone plan, WHPSince WHP has noThe current model of WHP is the WF720. There is a new WHPI model Z700 that isThe new model has not been tested with the. MicroCell because it is intended for the customer base that cannot use a MicroCell. It willBecause it would replace the customer's home internet, theyThe MicroCellThe WHP is a closed device like the MicroCell so there are no configuration options. Page 7 of 23. Technical, Operational, and Troubleshooting Issues v1.7When connected to the MicroCell, the. Signal Strength LED will blink green. To connect to the MicroCell, the WHP needs toThe WHP hasWHP call quality can be affected by the same factors that affect the MicroCell callEthernet Conditions. The MicroCell needs to be physically connected via an ethernet cable to the routerPowerLine Adapters can be used but they may not workThe MicroCell apparently is more sensitive to groundingIf you are using a wireless router and want to locateThe MicroCell does generate some heat at the top so give it plenty of ventilation andThe MicroCell can be used at locations other than your home summer house forGPS Lock. The MicroCell needs to maintain a GPS lock at all times. This is for E911 services andThe MicroCell does not have a very goodPage 8 of 23. Technical, Operational, and Troubleshooting Issues v1.

7If NWL fails for any reason, then the MicroCell uses the standard GPS scan toSince the unit operates on the same frequenciesGPS signals are broadcast on a 1.5GHz channel which can be absorbed by wood andAn external antenna can be used if optimal window locationSpeaking of E911 calls, any E911 call from a mobile device should be done with theThe reason for this is call delay. On aThat's usually veryThe landline voice dispatcher hasDialing the 10digit number is theThis is getting better as more calls move away fromInitial Activation. When the MicroCell first boots up, the unit gets a DHCP license, syncs with networkPage 9 of 23. Technical, Operational, and Troubleshooting Issues v1.7If buildings, landforms, or otherMicroCell will not remain in service. Once that is established, the MicroCell gets the GPS signal, confirms that with NWL,At the sameThe greater theThe reason for this is so the MicroCell won'tThat's why if you are really far away from aHowever, the closer the towersNOTE The MicroCell does not need a localTo complicate matters, the individual mobile phones also adjust their transmissionFor some phones, increasedChanging the location of the MicroCell in your house may alleviate any tower issuesTry to find the "sweet spot" if youContinuously restarting the MicroCell power cycling repeats the activationMicroCell to a different location, but that's no guarantee that transmission power of. The MicroCell operates at 850 or 1900 MHz 3G depending on the FCC licenses that. Handing over. There are basically two types of handover that happens on cellular networks, softPage 10 of 23. Technical, Operational, and Troubleshooting Issues v1.7In soft handovers, the phone is continually talking to multiple macrocells

towers atIn hard handovers, the phone will literally drop the active connection and transitionThe handover can be further complicated if it is a verticalThat is, from UMTS 3GVirtually all femtocells are hard, vertical handovers.

That's why a local tower isSo, when you leave your house and are on a call, a hard handover probably verticalHowever, if the tower closest to you is far away, handingThis is one of the most frustrating aspects of the MicroCell and femtocells inTechnical Information. The 3G labeled MicroCell uses a 400MHz ARM11 processor. The newer MicroCell'sRange is about 5000 square feet. But that is dependent in part, on how close or howGenerally speaking, if a tower is within 2 miles ofUMTS Universal Mobile Telecommunications System, which is also called WCMDA,Some iPhones may indicate 4GThe MicroCell only operates atPage 11 of 23. Technical, Operational, and Troubleshooting Issues v1.7HD Voice, while it doesn't pertain to the MicroCell specifically, does come up fromHD Voice, whichCurrent mobile phone technology uses a frequency rangeOne of the downsides of HD Voice, at least in initial testing, is that it can reallyHopefully that will be resolved as it begins toInput 100120V, 5060Hz, 0.4A. Output 12V, 1.25A, positive polarity. The newest MicroCell, DPH154 black model is slightly different. It's a switching adapter, model no.Output 12V, 1A, positive polarity, Level 3, Efficiency Level V. IMSI International Mobile Subscriber Identity Number. Your phone will send an IMSI number to the current network while registeringThe number is on the SIM card for phones that use them and is used by any mobileCDMA networks Verizon forThe number is stored asCode, MNC Mobile Network Code, and MSIN Mobile Station Identity Number. So. Page 12 of 23. Technical, Operational, and Troubleshooting Issues v1.7The MicroCell is an IMSI based system whichMicroCell because the IMSI number is not recognized. IMEI International Mobile Equipment Identity Number. This is not to be confused with the IMSI number. It is a 15digit number that isThe IMEI number is provided by the carrier when you signThe question has come up before, "if I have anConnection Issues.

This can be a very difficult and frustrating area because a single issue may be causedCommon "fixes" may resolve different issues. Hopefully theFirst of all, the MicroCell is a totally closed system, physically and firmwarewise. There is no way to access the firmware to modify the system to error check likePhysically, the MicroCell has antitamper clips on the inside andThere is an LED light pattern on the pc board but theIf the MicroCell gets knocked over the cat ran into it and you notice a slight rattleAll of the suggested troubleshooting techniques are assuming that the MicroCell isThe suggestions work for most, but not allPage 13 of 23. Technical, Operational, and Troubleshooting Issues v1.7MicroCell Service Area Outages. The causes for this are many and varied and are beyond the scope of this documentAn outage can be localized or regional depending on theMore serious outagesCustomerCare with your issue, what you have done to correct it, your accountIndividual connectivity loss canThe outage may also affect other services such as the myATT account page so thatOnce the outage is isolated and corrected, not all MicroCell Service Areas will comeBlinking Green 3G Light do not work. Blinking Red 3G Light. This may indicate a hardware failure but more times than not, it is related to anIf that doesn't work, a hard reset may bePower off the MicroCell. Use a paperclip and push the button in and hold for 30Updates are not alwaysYou still may be able to use the MicroCell with thePage 14 of 23. Technical, Operational, and Troubleshooting Issues v1.7Power Light is Red or Not Lit. Obviously a power problem, especially if none of the lights are on. Check the powerCheck the outletCheck the outlet itself or try another outlet to see if that works. If the Power Light is red, that could mean that the MicroCell's power supply hasEthernet Light is Blinking. No ethernet connection or connection is bad. Check the ethernet cable to make sureIf all of your other devicesMicroCell.

Perform a hard reset on the MicroCell by disconnecting the power to the MicroCellIf you have a separate router, do a priority connection as discussed previously toIf it does, then it may be an issue with one of theTry a different port. Check with your ISP and make sure that they aren't blocking any

of the ports listedGPS Light Blinking. Make sure that the Power and Internet lights are solid green. Otherwise, try toOrient the MicroCell as suggested under Nominal Setup. I have mine placed on a. Page 15 of 23. Technical, Operational, and Troubleshooting Issues v1.7If you can't get GPSMake sure your address is correct on the Activation page, which is found on yourCustomerCare.This is one of the most common issues, of which there are many causes. Basically. If Power, Internet, and GPS lights are solid green, and you've tried the individualDisconnect the power to the MicroCell. Hold in the reset button and reestablish power and keep the reset buttonWhat you are doing is setting the MicroCell back to its default settings so that it,This may beIf that works,Make sure your router's. Page 16 of 23. Technical, Operational, and Troubleshooting Issues v1.7If the above suggestions don't work, then you may have to look at your routerBesides, it's technically not their responsibility for theI have my router set for port forwarding to a static IP address based on the. MicroCell's MAC address, using the ports listed above, which has resulted in rockIf you purchased a secondhand MicroCell eBay for example the MicroCell has toThe reason for this is because the serial number of the. MicroCell is tied to the current account holder's information.Phone Not Connecting to the MicroCell. The causes for this can vary but if the MicroCell looks operational Power, Internet. GPS, and 3G lights are solid green, then it's probably the phone.

For the iPhone, Reset Network Settings and see if that works or whatever theCall Support because they can sometimes tweak account settings on their end thatNonconnectivity could be an IMSI issue see IMSI Number. There is very little thatSee transmission strength under Initial Activation. Turning Airplane mode off and then on sometimes reestablishes connectivity but. Page 17 of 23. Technical, Operational, and Troubleshooting Issues v1.7The main cause seems to be variable internet speed. The faster, and more stableLatency, packet loss, etc will affect your calls. RTP jitter can also be a problem with. VoIP calls using the MicroCell. RTP Real Time Protocol is defined as the variationAnother cause may be that the tower signal is stronger than the MicroCell signalDisabling call handout on your. Apparently you can call Support and the agent will open a ticket to have the towerI don't know how useful this would beKeep in mind that a stucco house can act as a Faraday cage and interfere with yourTurning off LTE on an iPhone 5 for example may improve the signal if the phoneLeave WiFi on your phone turned on. That way, data is handled by your router's. WiFi and voice is left to the MicroCell. Vonage. If you have the Vonage VoIP service you may encounter MicroCell problems with theVonage uses the SIP ALG protocols Session Initiating Protocol Application Layer. Gateway which is used to try and avoid configuring static NAT on a router. ManyWhile ALG could help inSIP ALG will not cause problems with the MicroCell as the MicroCell does not use SIPPage 18 of 23. Technical, Operational, and Troubleshooting Issues v1.7Miscellaneous. Sometimes the MicroCell just doesn't work because of the multitude of variables. ItIf that's theAll of those steps haveBe polite, and patient with Support. They are limited in what they can do and I thinkBe as clear and concise as possible inFor a brief period of time, the MicroCell was given away for free.

This was more forThat program is over now but you may beHowever, there are still customers who receive free. MicroCell's from time to time so it can't hurt to ask. Some phones, specifically the Nokia Lumia's have had some major connection issuesNewer phones like the Galaxy Note 3 have shown connection issues as well. ThisAs mobile devicesBoth examples mentioned above may be corrected by. Page 19 of 23. Technical, Operational, and Troubleshooting Issues v1.7If you have issues with your MicroCell, whether it is brand new or a working. MicroCell. As service providers merge, expand their service areas, install newThere is very little, if anything at all, that. We have been fairlyWith the demise of net neutrality as it was originally envisioned, some serviceError Codes. FTC5284 the system is probably stuck trying to process an earlier request andFailure has occurred because the physical street address entered during onlineMicroCell address does not match the current device location. You should contact CustomerCare if you get either of those error codes, or aMicroCell Alternatives. There are instances when the MicroCell just won't work in your

environment asThey are the onlyWilson Electronics www.wilsonelectronics.com. These are not as expensive as CelFi and have a number of models to choose from. They do take a little more time and. Page 20 of 23. Technical, Operational, and Troubleshooting Issues v1.7To summarize the troubleshooting steps. Power cycle the MicroCell. Turn your phone off and then on to reestablish connectivity. Hard reset the MicroCell. Check cables for condition and snugness of fit. Check orientation of the MicroCell. Use an external GPS antenna if necessary. Reset network settings on your phone or have support check your network settings. Enable WiFi, disable LTE on your phone. Disable Handout for your MicroCell via the settings page. Toggle Airplane mode on and off lame. Check stability of your internet speeds and make sure you have sufficient speed.

Port forward the MicroCell to a static assigned IP address based on the MAC addressTry different locations in your house to find the "sweet spot"Adequate ventilation around the MicroCell. Condition of the ac adapter. Page 21 of 23. Technical, Operational, and Troubleshooting Issues v1.7Disclaimer. This has been a very long project and is still a work in progress. I have tried to makeAs more accurate information, corrections, or fixesYou can PM me for any corrections orHowever, this document would not have been possible. MicroCell Forum members. I would also like to extend a special thanks to Avedis53Otto Pylot. August 2013. Version 1.7, October 2014Version 1.6, June 2014RequirementsVersion 1.5, March 2014Page 22 of 23. Technical, Operational, and Troubleshooting Issues v1.7Version 1.4, February 2014Version 1.3, October 2013Version 1.2, August 2013Page 23 of 23. Subscribe for Updates. We hope youll join the conversation by posting to an open topic or starting a new one. Can you help Attached to this message is the manual to the MicroCell.

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