

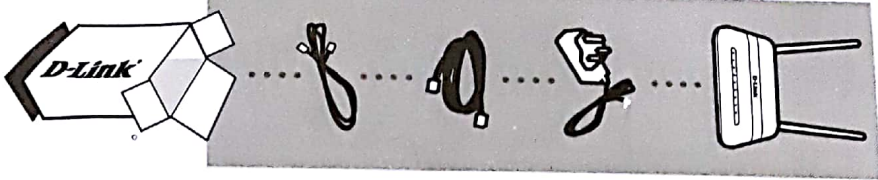
**D-Link®**

WIRELESS N300 ADSL2+ MODEM ROUTER  
DSL-124

**QUICK  
INSTALLATION  
GUIDE**

# CONTENTS OF PACKAGING

## CONTENTS



WIRELESS N300 ADSL2+ MODEM ROUTER  
DSL-124

POWER ADAPTER

ETHERNET CABLE

RJ-11 PHONE CABLE

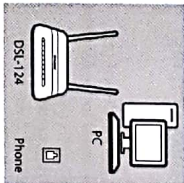
If any of these items are missing or damaged, contact your reseller

# SYSTEM REQUIREMENTS

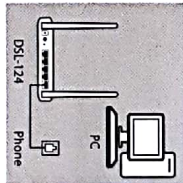
- ADSL Internet service
- Computer with:
  - Microsoft Windows® 10/8/7/Vista/XP SP3 or Mac with macOS 10.3 or higher
  - Internet Explorer 9, Firefox 23, Safari 7, or Chrome 28 or higher version with Java-script

# PRODUCT SETUP

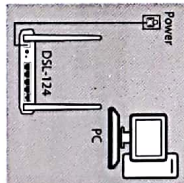
## HARDWARE SETUP



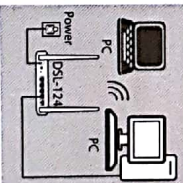
**Step 1**  
Position your DSL-124 near your PC and a telephone wall jack which provides DSL service. Keep the modem router in an open area for better wireless coverage.



**Step 2**  
Plug one end of the supplied DSL phone cable into the DSL port on the back of the modem router, and the other end into the telephone wall jack.



**Step 3**  
Connect the supplied power adapter to the modem router and a power outlet, and press the power button. The device LEDs will light up. Wait approximately one minute before proceeding to step 4.



**Step 4**  
Plug one end of the supplied Ethernet cable into the port labeled 1 on the back of the modem router, and the other end into the Ethernet port on your computer.  
  
If you are setting up the DSL-124 using a laptop or mobile device, connect using the default Wi-Fi network name **Metrotel**. The default password is **m3tr0l3l**.

# CONFIGURATION

## CONFIGURE USING THE BUILT-IN WEB INTERFACE



To configure your DSL-124, open a supported web browser on a connected computer and enter the default IP address **192.168.1.1** into the address bar. No login information is required to access the web interface.

## TROUBLESHOOTING

### 1. HOW DO I RESET MY DSL-124 MODEM ROUTER TO THE FACTORY DEFAULT SETTINGS?

- Ensure the modem router is powered on.
- Use an unfolded paperclip to press and hold the reset button on the bottom of the device for more than 5 seconds until all the front LEDs turn on. The modem router will reset to the factory defaults and begin rebooting.

**Note:** Resetting the modem router to the factory defaults will erase the current configuration settings. To reconfigure your settings, log in to the modem router as outlined above, then run the Setup Wizard.

### 2. HOW DO I ADD A NEW WIRELESS CLIENT OR PC IF I HAVE FORGOTTEN MY WI-FI NAME (SSID) OR WI-FI PASSWORD?

- Use the web-based user interface to check or choose your wireless settings.
- Make sure you write down these settings so that you can enter them for each wireless. The back of this document features an area to record this important information.
- If your device supports WPS, you may press the WPS button on the side of the modem router for approximately 5 seconds to begin the WPS pairing process. Refer to your wireless device's documentation for information on how to pair a device using WPS.

### 3. WHY CAN'T I GET AN INTERNET CONNECTION USING DSL?

- If you are replacing a DSL modem or combination DSL modem router, make sure to completely disconnect and power off your existing equipment. Connect your DSL-124 to the wall jack which worked with your previous DSL modem.
- Verify that the **BROADBAND LED** is lit solid green. If it isn't, please contact your ISP to make sure the service has been connected and enabled by your ISP.
- If the **BROADBAND LED** is lit solid green, but the **INTERNET LED** is lit solid red or off, or you are having trouble with the Setup Wizard, make sure that the username, password, and other information provided by your ISP are correct.
- If you are still having trouble, you may need to contact your ISP for additional Bring Your Own Device (BYOD) configuration steps. Refer to the product manual, available at [support.dlink.com](http://support.dlink.com) for additional configuration help.

## TECHNICAL SUPPORT

You can find software updates and user documentation on the D-Link website.  
Tech Support for customers in

### Australia:

Tel: 1300-700-100  
24/7 Technical Support  
Web: <http://www.dlink.com.au>  
E-mail: [support@dlink.com.au](mailto:support@dlink.com.au)

### India:

Tel: +91-832-2856000 or 1860-233-3999  
Web: [www.dlink.co.in](http://www.dlink.co.in)  
E-Mail: [helpdesk@in.dlink.com](mailto:helpdesk@in.dlink.com)

### Singapore, Thailand, Indonesia, Malaysia, Philippines, Vietnam:

Singapore - [www.dlink.com.sg](http://www.dlink.com.sg)  
Thailand - [www.dlink.co.th](http://www.dlink.co.th)  
Indonesia - [www.dlink.co.id](http://www.dlink.co.id)  
Malaysia - [www.dlink.com.my](http://www.dlink.com.my)  
Philippines - [www.dlink.com.ph](http://www.dlink.com.ph)  
Vietnam - [www.dlink.com.vn](http://www.dlink.com.vn)

### Korea:

Tel: +82-2-2028-1810  
Monday to Friday 9:00am to 6:00pm  
Web: <http://d-link.co.kr>  
E-mail: [g2b@d-link.co.kr](mailto:g2b@d-link.co.kr)

### New Zealand:

Tel: 0800-900-900  
24/7 Technical Support  
Web: <http://www.dlink.co.nz>  
E-mail: [support@dlink.co.nz](mailto:support@dlink.co.nz)

### South Africa and Sub Sahara Region:

Tel: +27 12 661 2025  
08600 DLINK (for South Africa only)  
Monday to Friday 8:30am to 9:00pm South Africa Time  
Web: <http://www.d-link.co.za>  
E-mail: [support@za.dlink.com](mailto:support@za.dlink.com)

### D-Link Middle East - Dubai, U.A.E.

Plot No. S31102,  
Jebel Ali Free Zone South,  
P.O. Box 18224, Dubai, U.A.E.  
Tel: +971-4-8809022  
Fax: +971-4-8809066 / 8809069  
Technical Support: +971-4-8809033  
General Inquiries: [info.me@me.dlink.com](mailto:info.me@me.dlink.com)  
Tech Support: [support.me@me.dlink.com](mailto:support.me@me.dlink.com)

### Egypt

1, Makram Ebad Street -  
City Light Building - floor 5  
Nasr City - Cairo, Egypt  
Tel: +2 02 2352 1593 - +2 02 23520852  
Technical Support: +2 02 26738470  
General Inquiries: [info.eg@me.dlink.com](mailto:info.eg@me.dlink.com)  
Tech Support: [support.eg@me.dlink.com](mailto:support.eg@me.dlink.com)

### Kingdom of Saudi Arabia

Office # 84,  
Al Khaleej Building (Mujamathu Al-Khaleej)  
Opp. King Fahd Road, Olaya  
Riyadh - Saudi Arabia  
Tel: +966 1121 70008  
Technical Support:  
+966 1121 70009  
General Inquiries: [info.sa@me.dlink.com](mailto:info.sa@me.dlink.com)  
Tech Support: [support.sa@me.dlink.com](mailto:support.sa@me.dlink.com)

### Pakistan

Islamabad Office:  
61-A, Jinnah Avenue, Blue Area,  
Suite # 11, EBC, Saudi Pak Tower,  
Islamabad - Pakistan  
Tel.: +92-51-2800397, 2800398  
Fax: +92-51-2800399

### Karachi Office:

D-147/1, KDA Scheme # 1,  
Opposite Mudassar Park, Karsaz Road,  
Karachi - Pakistan  
Phone: +92-21-34548158, 34326649  
Fax: +92-21-4375727  
Technical Support: +92-21-34548310, 34305069  
General Inquiries: [info.pk@me.dlink.com](mailto:info.pk@me.dlink.com)  
Tech Support: [support.pk@me.dlink.com](mailto:support.pk@me.dlink.com)

**TECHNICAL SUPPORT****NOTES****Iran**

Unit 1, 1st Floor, Plot No 3, Pazhoheshgah (2)  
Alley, Ahmad Ghasir (Bokharest) St., Shahid  
Beheshti (Abbas Abad) St., Tehran, Iran.  
Postal Code : 1514615911  
Tel: +98-21-88880918, 19  
General Inquiries: info.ir@me.dlink.com  
Tech Support: support.ir@me.dlink.com

**Morocco**

M.L.T.C  
Route de Nouasseur angle RS et CT 1029  
Bureau N° 312 ET 337  
Casablanca, Maroc  
Phone : +212 663 72 73 24  
Email: support.ma@me.dlink.com

**Lebanon RMA center**

Dbayeh/Lebanon  
PO Box:901589  
Tel: +961 4 54 49 71 Ext:14  
Fax: +961 4 54 49 71 Ext:12  
Email: laoun@me.dlink.com

**Bahrain**

Technical Support: +973 1 3332904

**Kuwait:**

Technical Support: + 965 22453939 / +965  
22453949

### LIMITED PRODUCT WARRANTY

For better service please register your product on your local D-Link web site or <http://register.dlink.com>

### COUNTRIES IN WHICH D-LINK LIMITED WARRANTY APPLIES

The Limited Warranty terms herein apply to countries in Asia, Oceania, Latin America and Africa.

For a detailed country list, please see D-Link website <http://warranty.dlink.com>. For the countries not on the list, please refer to local D-Link websites.

### LIMITED HARDWARE WARRANTY

D-Link provides Limited Warranty for its product only to the person or entity that originally purchased the product from D-Link or its authorized reseller or distributor. D-Link will fulfill the warranty obligations according to the local warranty policy of the country where you purchased your D-Link product.

The warranty period starts on the date of purchase from D-Link or its authorized reseller or distributor. You may be required to provide a proof of purchase as a condition of receiving a warranty service. Your sales or delivery receipt, showing the date of purchase of the product, is your proof of purchase. You are entitled to warranty service if required within the warranty period under the terms and conditions of this document.

\*Some countries may have special warranty periods longer than stated above. Please check local D-Link websites.

For the latest information on Limited Lifetime Warranty service for your product please visit <http://warranty.dlink.com>

### LIMITED HARDWARE WARRANTY

D-Link's sole obligation shall be to repair or replace the defective Hardware (or any part thereof) at no charge to the original owner. Such repair or replacement will be rendered at an Authorized D-Link Service Office (Service Office). The replacement Hardware need not be new or of an identical model or part; D-Link may in its discretion replace the defective Hardware with any reconditioned product that D-Link reasonably determines substantially equivalent or superior in all material respects to the defective Hardware. The warranty period shall extend for an additional ninety (90) days after any repaired or replaced Hardware is delivered. If a material defect is incapable of correction, or if D-Link determines in its discretion that it is not practical to repair or replace the defective Hardware, the price paid by the original purchaser will be refunded upon return to D-Link of the defective Hardware. All Hardware shall become the property of D-Link upon replacement or refund.

### LIMITED SOFTWARE WARRANTY

D-Link warrants that the software portion of the product (Software) will substantially conform to its then current functional specifications from the date of original delivery for a period of ninety (90) days, if properly installed and operated on approved hardware. D-Link's sole obligation shall be to replace the non-conforming Software. The replacement Software is provided only to the original licensee, and is subject to the terms and conditions of the license granted by D-Link. The warranty period shall extend for an additional ninety (90) days after any replacement Software is delivered. If a material non-conformance is incapable of correction, or if D-Link determines in its sole discretion that it is not practical to replace the non-conforming Software, the price paid by the original licensee will be refunded, provided that the non-conforming Software (and all copies thereof) is first returned to D-Link. The license granted respecting any Software for which a refund is given automatically terminates.

### WHAT YOU MUST DO FOR WARRANTY SERVICE

Any claim under this limited warranty must be submitted in writing before the end of the warranty period to a Service Office with a written description of the Hardware defect or Software nonconformance in sufficient detail to allow D-Link to confirm the same. The original product owner must obtain a Return Material Authorization (RMA) number from the Service Office and, if requested, provide written proof of purchase. After an RMA number is issued, the defective product must be packaged securely in the original or other suitable shipping package to avoid damage in transit with RMA number prominently marked outside the package. The packaged product shall be insured and shipped to a Service Office with shipping costs prepaid. D-Link may reject or return any product not packaged and shipped in strict compliance with foregoing requirements, or for which an RMA number not visible outside the package. The product owner agrees to pay reasonable handling and return shipping charges for product not packaged and shipped in accordance with foregoing requirements, or that determined by D-Link not to be defective or non-conforming.

## WHAT IS NOT COVERED

The limited warranty provided by D-Link does not cover:  
Products that have been subjected to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, repair or service in any way that is not contemplated in the documentation for the product, or if the model or serial number has been altered, tampered with, defaced or removed; damage that occurs in shipment, due to act of God, failures due to power surge, and cosmetic damage; and any hardware, software, firmware or other products or services provided by anyone other than D-Link or any Service Office.

## DISCLAIMER

EXCEPT FOR THE LIMITED WARRANTY SPECIFIED HEREIN, THE PRODUCT IS PROVIDED "AS-IS" WITHOUT ANY WARRANTY OF ANY KIND INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.

## LIMITATION OF LIABILITY

TO THE MAXIMUM EXTENT PERMITTED BY LAW, D-LINK IS NOT LIABLE UNDER ANY CONTRACT, NEGLIGENCE, STRICT LIABILITY OR OTHER LEGAL OR EQUITABLE THEORY FOR ANY LOSS OF USE OF THE PRODUCT, INCONVENIENCE OR DAMAGES OF ANY CHARACTER, WHETHER DIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL, INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, LOSS OF INFORMATION OR DATA CONTAINED IN, STOPPED ON, OR INTEGRATED WITH ANY PRODUCT RETURNED TO D-LINK FOR WARRANTY SERVICE, RESULTING FROM THE USE OF THE PRODUCT, RELATING TO WARRANTY SERVICE, OR ARISING OUT OF ANY BREACH OF THIS LIMITED WARRANTY, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE SOLE REMEDY FOR A BREACH OF THE FOREGOING LIMITED WARRANTY IS REPAIR, REPLACEMENT OR REFUND OF THE DEFECTIVE OR NON-CONFORMING PRODUCT.

## GOVERNING LAW

The limited warranty herein shall be governed by the laws of the local country.

## TRADEMARKS

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## INFORMAÇÕES DE GARANTIA

Para ter direito a GARANTIA, favor registrar os seus produtos no portal

<http://register.dlink.com>

## PAÍSES NOS QUAIS A GARANTIA LIMITADA DA D-LINK SE APLICA

Os termos de Garantia Limitada dessa documentação aplicam-se a maioria dos países na Ásia, Oceania, América Latina e África. Para a lista de países desabilitada, favor consultar o website da D-Link: <http://warranty.dlink.com>. Para países não incluídos na lista, favor consultar o website local da D-Link.

## GARANTIA LIMITADA

A D-Link oferece esta Garantia Limitada para o seu produto apenas à pessoa ou entidade que originalmente adquiriu o produto da D-Link ou de um revendedor distribuidor autorizado. A D-Link irá cumprir suas obrigações de garantia de acordo com a política de garantia local, do país no qual você adquiriu os nossos produtos. O período de garantia começa a partir da data da compra da D-Link ou de um revendedor distribuidor autorizado, devidamente comprovado através da Nota Fiscal de Venda ou Cupom Fiscal.

Pode ser solicitado que você forneça a prova da compra como uma cópia da prescrição de serviço de garantia. Você tem direito ao Serviço de garantia de acordo com os termos e condições deste documento, caso requerido dentro do período de garantia.

\* Alguns países podem oferecer condições especiais de garantia com períodos maiores do que os indicados acima. Para informações adicionais, acesse o site da D-Link em sua região.

A lista atualizada de produtos cobertos pela garantia vitalícia limitada (GVL) pode ser acessada através do site <http://warranty.dlink.com>

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A única obrigação da D-Link será reparar ou substituir o Hardware defeituoso (ou qualquer parte do mesmo). Esse reparo ou substituição será executado (ou uma Assistência Técnica Autorizada da D-Link, A D-Link poderá, a seu critério, substituir o Hardware defeituoso por qualquer material ou Hardware condutível equivalente ou superior em todos os aspectos materiais ao Hardware defeituoso. O Período da Garantia será prorrogado por mais noventa (90) dias após o Hardware reparado ou substituído for entregue. Se um defeito material for incapaz de ser corrigido, ou se a D-Link determinar, segundo seu próprio critério, que não será prático reparar ou substituir o Hardware defeituoso, o valor pago pelo comprador original será restituído com a devolução à D-Link do Hardware defeituoso. Todo Hardware tornará-se a propriedade da D-Link após a substituição ou reembolso.

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A D-Link garante que a parte de software deste produto ("Software") será substancialmente compatível com as suas especificações atuais de funcionamento da data da entrega original por um período de noventa (90) dias, desde que adequadamente instalado e operado em hardware aprovado. A única obrigação da D-Link será substituir o Software não conforme. O Software substituído será fornecido somente ao licenciado original, e estará sujeito aos termos e condições da licença concedida pela D-Link. O período da garantia será prorrogado por mais noventa (90) dias após qualquer Software substituído ser entregue. Se uma não conformidade de material for incapaz de ser corrigida, ou se a D-Link determinar, segundo seu próprio critério, que não é possível substituir o Software não conforme, o preço pago pelo licenciado original será restituído pela D-Link, desde que o Software não conforme (e todas as suas cópias) sejam primeiramente devolvidos para a D-Link. A licença concedida em relação a qualquer Software para o qual o reembolso for feito terminará automaticamente.

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Qualquer reclamação sujeita a esta garantia limitada deverá ser informada à D-Link através de seus canais de atendimento, antes do término do Período da Garantia, o qual validará a informação. O proprietário do produto precisará ligar para o Suporte Técnico e apresentar a Nota Fiscal de Venda para obter um número de Autorização de RMA (RMA - Return Material Authorization). Após a emissão do número de RMA, o produto defeituoso deve ser embalado de forma segura, na caixa original ou em embalagem apropriada, de forma a garantir que não seja danificado durante o transporte, devendo enviar junto ao produto a documentação informada pelo Suporte Técnico no momento da abertura do RMA. O produto embalado deverá ser remeido para uma Assistência Técnica Autorizada. A D-Link poderá rejeitar ou devolver qualquer produto que não esteja embalado ou enviado estavelmente de acordo com os requerimentos anteriores, ou na ausência da documentação solicitada na abertura do RMA. O proprietário do produto irá pagar os custos de manuseio e devolução de qualquer produto que não tenha sido empacotado e enviado de acordo com os requerimentos anteriores, ou que tenham sido avaliados pela D-Link como não sendo defeituos ou não conformes.

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A garantia limitada fornecida pela D-Link NÃO COBERTA:  
Produtos, que no julgamento da D-Link tenham sido sujeitos a abusos, acidentes, alteração, modificação, adulteração, negligência, uso indevido, instalação defeituosa, falta de cuidado, qualquer consumo ou serviço que não esteja contemplado na documentação do produto, ou se o modelo ou número de série tiver sido alterado, adulterado, rasgado ou removido; danos que ocorram no transporte, sejam por força maior, falhas devidas a falta de energia, e danos decorrentes; e qualquer hardware, software, firmware ou outros produtos ou serviços fornecidos por qualquer outro que não a D-Link ou qualquer Escritório de Serviço.

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EXCETO PELA GARANTIA LIMITADA AQUI ESPECIFICADA, O PRODUTO É FORNECIDO "NO ESTADO EM QUE SE ENCONTRA" SEM UMA GARANTIA DE QUALQUER TIPO SEJA QUAL FOR, INCLINDO, SEM LIMITAÇÕES, QUALQUER GARANTIA IMPLÍCITA, DE ADEQUAÇÃO A UM PROPÓSITO PARTICULAR E NÃO INFRAÇÃO.

## LIMITAÇÃO DE RESPONSABILIDADE

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## LEI REGENTE

Esta Garantia Limitada será regulada pelas leis do país onde o produto foi adquirido.

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The following general safety guidelines are provided to help ensure your own personal safety and protect your product from potential damage. Remember to consult the product user instructions for more details.

- Static electricity can be harmful to electronic components. Discharge static electricity from your body (i.e. touching grounded bare metal) before touching the product.
- Do not attempt to service the product and never disassemble the product. For some products with a user replaceable battery, please read and follow the instructions in the user manual.
- Do not spill food or liquid on your product and never push any objects into the openings of your product.
- Do not use this product near water, areas with high humidity, or condensation unless the product is specifically rated for outdoor application.
- Keep the product away from radiators and other heat sources.
- Always unplug the product from mains power before cleaning and use a dry lint free cloth only.

제품보증서



서비스에 대하여  
최희 디링크코리아(유)에서는, 특별한 소외 분별해결 기준(공정거래위원회 고시)에 따라 아래준 같이  
제품에 대한 보증을 실시합니다. 서비스 유한시 디링크코리아(유) 고객센터 또는 지점과 협력사에서  
서비스를 합니다. 보증서부 및 내용물에는 요구물로부터 7일 이내에, 최대보상률 100%로부터  
14일 이내에 해결하여 드립니다.

제품군	디링크 제품군 (공유기/스위치/AP/랜카드/프린터 서버 등)		
제조사	디링크코리아(유)	연락처	1899-3540
구입일	년 월 일	Serial No.	
구입처		판매 금액	

\*키에어의 보증기간은 1년입니다.

무상 서비스

환급 : 구입가 환급(구입 시 영수증 제출)

소비자 피해 유형		보상내용			
		보증 기간 이내	보증 기간 이후		
보증기간 내 정상적인 사용조건에서 변형/기능상의 고장 발생	구입 후 10일 이내에 중요한 수리·를 해야 할 경우	제품 교환 또는 환급	해당 없음		
	구입 후 1개월 이내에 중요한 수리·를 해야 할 경우	제품 교환 또는 무상 수리			
	제품 구입 시 운송고장 및 제품 설치 중 피해가 발생한 경우	제품 교환			
	고장된 제품이 1개월 이내에 중요한 수리·를 해야 하는 고장이 발생한 경우	환급			
	제품 교환이 불가능한 경우				
	수리 가능	동일한 원인으로 고장이 3회까지 발생한 경우		무상 수리	유상 수리
		동일한 원인으로 고장이 4회째 발생한 경우		제품 교환 또는 환급	유상 수리
		서로 다른 원인으로 고장이 5회째 발생한 경우			유상 수리
	소비자가 수리 의뢰한 제품을 사설자가 분실한 경우	제품 교환 또는 환급		정액을 감가상각한 금액의 10%를 가산하여 환급	
	무형 보증 기간 이내 수리용 무품을 보유하고 있지 않아 수리가 불가능한 경우				
수리용 무품을 있으나 수리가 불가능한 경우	정액 감가상각 후 환급				

\* 중요한 수리 : 제품을 분해하여 부품 교체를 하여야 정상적인 작동을 할 수 있는 상태일 경우

FCC STATEMENTS

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

제품보증서

유상 서비스 (고객 비용 부담)에 대한 책임

제품의 고장이 아닌 경우 서비스를 요청시 보증기간에 관계없이 요금이 발생할 수 있으므로 설명서를 먼저 확인하세요

제품의 고장이 아닌 경우

기구 세척, 조정, 사용 설명, 설치 등

- 사용법 설명, 분해하지 않고 간단히 조정하는 경우
- 인터넷, 랜선, 유선전화 등 외부 환경에 의한 문제
- 구입 제품의 초기 설치 이후, 추가로 제품을 연결하거나 재연결을 하는 경우
- 제품의 이동, 이사 등으로 인해 재설치하는 경우
- 다른 회사 제품으로 인해 사용 설명을 요청하는 경우
- 네트워크 및 기타 프로그램의 사용 설명을 요청하는 경우
- 제품 관련 소프트웨어의 설치 및 설정을 요청하는 경우
- 제품 내부의 먼지나 헤드 등의 세척 및 이동을 제거한 경우
- 통신망, 인터넷 등에서 제품 구입 후 설치를 추가 요청하는 경우

소비자 과실로 고장 난 경우

- 소비자가 임의로 분해, 개조하거나 사용상의 부주의(침수, 파손, 손상)로 고장이 발생한 경우
- 소비자가 내부 안전장치(방열)를 임의 조작하여 수리불한 경우
- 당사에서 미지정된 소모품, 액세서리 사용에 의해 고장이 발생한 경우

소비자 피해 유형		보상내용	
		보증 기간 이내	보증 기간 이후
소비자의 고의 과실로 인한 고장 발생	수리가 불가능한 경우	유상 수리에 해당하는 금액 징수 후 제품 교환	유상 수리 금액 징수 후 감가상각 적용 제품 교환
	수리가 가능한 경우	유상 수리	유상 수리

그 밖의 경우

- 천재지변(화재, 절도, 수해, 낙뢰 등)에 의한 고장이 발생한 경우
- 소모성 부품의 수명이 다한 경우 (배터리)



이 보증서는 대한민국에서만 사용 가능하며, 해외에서는 사용할 수 없습니다.

A/S 및 제품문의 : 디링크코리아(유) | 1899-3540 | www.mydlink.co.kr

해당 설명은 권고사항이 있으므로 인명안전과 관련된 서비스는 할 수 없음

IMPORTANT INFORMATION

Important information regarding your internet subscription

Users who subscribe to limited or "pay as you use" broadband internet access.

In the WAN configuration settings, there is a parameter called Maximum idle timer. This parameter controls how many seconds of inactivity before dropping connection to the internet. The default setting is "0" which disables this functionality and the internet will be connected all the time. We suggest that you should change the Maximum idle timer to "300" (5 minutes) so that the device will drop the line after 5 minutes of inactivity and keep usage costs down.

Users who subscribe to unlimited broadband internet access.

You can just leave this parameter unchanged or enable Auto-reconnect to be always on line.

Technical Notes:

The Maximum idle timer is only relevant if your ISP is using PPPoE connection.

Información importante acerca de la suscripción a Internet

Los usuarios suscritos, en los parámetros de configuración WAN, a un acceso a Internet de banda ancha limitado o de "pago por uso", encontrarán un parámetro llamado Maximum idle timer. Este parámetro controla cuántos segundos de inactividad se permiten antes de que se interrumpa la conexión a Internet. El valor por defecto es "0", y desactiva esta funcionalidad, con lo que se estará conectado ininterrumpidamente a Internet. Se recomienda que se modifique el valor de Maximum idle timer a "300" (5 minutos); así el dispositivo cortará la línea tras 5 minutos de inactividad y se reducirán los costes por uso.

Los usuarios suscritos a un acceso a Internet de banda ancha limitado pueden usar este paquete como se encuentra o bien activar Auto-reconnect para estar siempre conectados.

Usários que assinam o serviço de Internet de banda larga limit ad o "pay as you use".

Informações importantes referentes à sua assinatura de Internet Usários que assinam o serviço de Internet de banda larga limit ad o "pay as you use".

Information importante concernant votre abonnement Internet Usários que assinam o serviço de Internet de banda larga limit ad o "pay as you use".

Información importante concerniente a su suscripción de Internet Usários que assinam o serviço de Internet de banda larga limit ad o "pay as you use".

Informazioni importanti concernenti al vostro abbonamento Internet Usários que assinam o serviço de Internet de banda larga limit ad o "pay as you use".

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# EUROPEAN COMMUNITY DECLARATION OF CONFORMITY

Timo D-Link Corporation prohlašuje, že tento produkt, jeho příslušenství a software jsou v souladu se směrnici 2014/53/EU. Celý text ES prohlášení o shodě vydrženého EU a firmwaru produktu lze stáhnout na stránkách k produktu [www.dlink.com](http://www.dlink.com).

D-Link Corporation erklærer hermed, at dette produkt, tilbehør og software er i overensstemmelse med direktiv 2014/53/EU. Den fulde tekst i EU-overensstemmelseserklæringen og produkt-firmware kan downloades fra produktiden hos [www.dlink.com](http://www.dlink.com).

Hiermit erkläre die D-Link Corporation, dass dieses Produkt, das Zubehör und die Software der Richtlinie 2014/53/EU entsprechen. Der vollständige Text der Konformitätserklärung der Europäischen Gemeinschaften sowie die Firmware zum Produkt stehen Ihnen zum Herunterladen auf der Produktseite im Internet auf [www.dlink.com](http://www.dlink.com) zur Verfügung.

Hereby, D-Link Corporation, declares that this product, accessories, and software are in compliance with directive 2014/53/EU. The full text of the EU Declaration of Conformity and product firmware are available for download from the product page at [www.dlink.com](http://www.dlink.com).

Por la presente, D-Link Corporation declara que este producto, accesorios y software cumplen con las directivas 2014/53/UE. El texto completo de la declaración de conformidad de la UE y el firmware del producto están disponibles y se pueden descargar desde la página del producto en [www.dlink.com](http://www.dlink.com).

Me tny trapoduzá, η D-Link Corporation δηλώνει ότι αυτό το προϊόν, τα αξεσουάρ και το λογισμικό συμμορφώνονται με την Οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δηλώσεως συμμορφώσεως της ΕΕ και το κωδικό φάσμα του προϊόντος είναι διαθέσιμα για όλους τους χρήστες του προϊόντος στο [www.dlink.com](http://www.dlink.com).

Par les présentes, D-Link Corporation déclare que ce produit, ces accessoires et ce logiciel sont conformes aux directives 2014/53/UE. Le texte complet de la déclaration de conformité de l'UE et le microprogramme du produit sont disponibles sur le téléchargement sur la page du produit à [www.dlink.com](http://www.dlink.com).

Con la presente, D-Link Corporation dichiara che questo prodotto, i relativi accessori e il software sono conformi alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE e il firmware del prodotto sono disponibili per il download della pagina del prodotto su [www.dlink.com](http://www.dlink.com).

Ar šo uzņēmums D-Link Corporation apliecina, ka šis produkts, piederumi un programmatūra atbilst direktīvai 2014/53/ES. ES atbilstības deklarācijas pilno tekstu un produkta aprakstošo programmu var lejupielādēt attiecīgā produkta lapā vietnē [www.dlink.com](http://www.dlink.com).

Šiuo dokumentu „D-Link Corporation“ patvirtėja, kad šis gaminys, priedai ir programinė įranga atitinka direktyvą 2014/53/ES. Visą ES atitikties deklaracijos tekstą ir gaminio aprašymo programą galima atsisiųsti iš gamintojo puslapio adresu [www.dlink.com](http://www.dlink.com).

Hierbij verklaart D-Link Corporation dat dit product, accessoires en software voldoen aan de Richtlijn 2014/53/ EU. De volledige tekst van de EU conformiteitsverklaring en productfirmware is beschikbaar voor download van de productpagina op [www.dlink.com](http://www.dlink.com).

Biz-şəraitdə, D-Link Corporation bəyənir ki bu məhsul, əlavə aksesuarları və dərman proqramları 2014/53/UE Tənzimləyici rəhbərlik sənədində tələblərə uyğun olaraq istehsal edilmişdir. Bütün məhsul üçün uyğunlaşdırma və dərman proqramları üçün məhsul sahəsindəki məlumatları [www.dlink.com](http://www.dlink.com) saytından yükləyə bilərsiniz.

Ezermal a D-Link Corporation kijelent, hogy a jelen termék, annak tartozékai és szoftvere megfelelnek a 2014/53/EU sz. rendeletnek rendelkezésének. Az EU Megfelelőségi nyilatkozat teljes szövege és a termék firmwara a termék oldaláról letölthető a [www.dlink.com](http://www.dlink.com) címen.

D-Link Corporation niniləşdirir ki bu məhsul, əlavə aksesuarları və dərman proqramları 2014/53/UE Tənzimləyici rəhbərlik sənədində tələblərə uyğun olaraq istehsal edilmişdir. Bütün məhsul üçün uyğunlaşdırma və dərman proqramları üçün məlumatları [www.dlink.com](http://www.dlink.com) saytından yükləyə bilərsiniz.

Desta forma, a D-Link Corporation declara que este produto, os acessórios e o software estão em conformidade com a diretiva 2014/53/UE. O texto completo da declaração de conformidade da UE e do firmware do produto está disponível para descarregar na página do produto em [www.dlink.com](http://www.dlink.com).

Podjelje D-Link Corporation s tem izjavlja, da so la izdelaki, dodatni oprema in programska oprema skladni z direktivo 2014/53/UE. Celotno besedilo izjave o skladnosti EU in izdelava programske oprema sta na voljo za prenos na strani izdelka na [www.dlink.com](http://www.dlink.com).

Spoločnosť D-Link Corporation vyhlasuje, že tento produkt, príslušenstvo a softvér sú v súlade so smernicou 2014/53/UE. Uplný znenie vyhlásenia EU o zhode a firmwarí produktu sú k dispozícii na prevzatie zo stránky produktu [www.dlink.com](http://www.dlink.com).

D-Link Corporation forstärkar härmed att denna produkt, tillbehör och programvara är överensstämmande med direktiv 2014/53/UE. Hela texten med EU-förstärkan om överensstämmelse och produkt-firmware kan hämtas från produkt sidan på [www.dlink.com](http://www.dlink.com).

Här med lyser D-Link Corporation því yfir að þessi vara, fylgihlutir og hugbúnaður eru í samræmi við litið 2014/53/EB. Sækja má ESB-samræmisráðgjöfina í heild sinni og fashúnað vörunnar af vefsíðu vörunnar á [www.dlink.com](http://www.dlink.com).

Herved erklærer D-Link Corporation at dette produkt, tilbehør og programvaren er i samsvær med direktivet 2014/53/UE. Den fulstændige teksten i EU-erklæring om samsvær og produktets fastvare er tilgængelig for nedlæsning fra produkt siden på [www.dlink.com](http://www.dlink.com).

This device is restricted to indoor use when operated in the European Community using channels in the 5.15-5.35 GHz band to reduce the potential for interference.

This device is a 2.4 GHz wideband transmission system (transceiver). This equipment may be operated in all EU member states and EFTA countries. This equipment may be operated in AL, AD, BE, BG, DK, DE, FI, FR, GR, GW, IS, IT, HR, LI, LU, MT, MK, MD, MC, NL, NO, AT, PL, PT, RO, SM, SE, RS, SK, ES, CI, HU, and CY.

Usage Notes: To remain in conformance with European National spectrum usage regulations, frequency and channel limitations will be applied on the products according to the country where the equipment will be deployed. This device is restricted from functioning in Ad-hoc mode while operating in 5 GHz. Ad-hoc mode is direct peer-to-peer communication between two client devices without an Access Point.



Access points will support DFS (Dynamic Frequency Selection) and TPC (Transmit Power Control) functionality as required when operating in the 5 GHz band within the EU. Please refer to the product manual or datasheet to check whether your product uses 2.4 GHz and/or 5 GHz wireless.

Technology	Frequency Band(s)	Max. Output Power (ERP)
5 G	5.15 – 5.25 GHz 5.25 – 5.35 GHz	200 mW 200 mW
2.4 G	5.47 – 5.725 GHz	1 W
	2.4 – 2.4835 GHz	100 mW

NOTICE OF Z-WAVE USAGE IN THE EUROPEAN COMMUNITY

This device is a Z-Wave system, intended for use in all EU member states and EFTA countries. This equipment may be operated in AL, AD, BE, BG, DK, DE, FI, FR, GR, GW, IS, IT, HR, LI, LU, MT, MK, MD, MC, NL, NO, AT, PL, PT, RO, SM, SE, RS, SK, UK, ES, CI, HU, and CY.

Technology	Frequency Band(s)	Max. Output Power (ERP)
Z-Wave	868.000 - 869.600 MHz	25 mW (14 dBm) <sup>1</sup>
	869.700 - 870.000 MHz	5 mW (7 dBm) <sup>1</sup> 25 mW (14 dBm) <sup>1</sup>

NOTICE OF ZIGBEE USAGE IN THE EUROPEAN COMMUNITY

This device is a ZigBee system, intended for use in all EU member states and EFTA countries. This equipment may be operated in AL, AD, BE, BG, DK, DE, FI, FR, GR, GW, IS, IT, HR, LI, LU, MT, MK, MD, MC, NL, NO, AT, PL, PT, RO, SM, SE, RS, SK, UK, ES, CI, HU, and CY.

Technology	Frequency Band(s)	Max. Output Power (ERP)
ZIGBEE (IEEE 802.15.4)	2.4 – 2.4835 GHz	100 mW e.r.p. (20 dBm) <sup>1</sup> 869.000 - 869.600 MHz 25 mW e.r.p. (14 dBm) <sup>1</sup>

Note: 1 duty cycle <1% or LBT+AFA

Usage Notes: Please refer to the product manual or datasheet to check whether your product uses ZigBee wireless, and its applicable operating frequencies band(s) and maximum RF power of your product.

Warranty Guide Class B v4(01)\_90x130 DWDIMARRBK0040



*FiberHome*

AN5506-04-FS

# GPON Optical Network Unit

Code:MN0000B2914 Version:A

## User Manual

This document is intended to be used for reference only.

# 1 Operation Safety Rules

For a correct, safe use of the equipment, please read the following carefully and strictly observe the operation safety rules during your operations:

- High optical power can cause bodily harm, especially to eyes. Never look directly into the end of the optical transmitter fiber jumper or the end of its active connector.
- Exercise care if you must bend fibers. If bends are necessary, the fiber bending radius should never be less than 38mm.
- Overloaded power sockets, broken cables or broken plugs may cause electric shock or fire. Regular check-ups on power supply wires and cables are essential. If any appears damaged, replace it at once.
- Use the power supply adapter provided in the package only. Using other adapters may cause equipment damage or operation failures.
- Install the equipment in a well ventilated environment away from heat resource or direct sunlight to protect the equipment and its components from overheating, which can result in damage.
- Power off the equipment in the event of lightning storms. Disconnect all cables from the equipment such as power cable, network cable and telephone line to avoid equipment damages caused by lightning stroke.
- Avoid moisture, dampness and water damage. Equipment exposed to water cannot work normally and can be extremely hazardous due to shorting.
- Do not lay this equipment on an unsteady base.

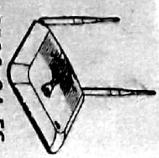
# 2 Product Introduction

The AN5506-04-FS is an FTTH GPON optical network unit. It provides communication and entertainment service in multiple modes such as data, voice and video, to meet integrated access requirement of families or small enterprises. The AN5506-04-FS supports these functions:

- Uses GPON uplink that is compliant with ITU-T G.984 series of standards;
- Supports the configuration of Ethernet interface rates, working modes, MDI / MDIX auto-negotiation mode;
- Supports packet filtering and protection against DOS attack;
- Provides performance statistics on all Ethernet lines;
- Supports obtaining the user IP address in the DHCP mode, supports reporting the physical position information of Ethernet interfaces through DHCP Option82;
- Supports obtaining the user IP address in the PPPoE mode, supports the PPPoE+ function for accurate user identification;

- Supports various voice protocols including H.248 and SIP.
- Supports IGMP snooping protocol;
- Supports the L2 / L3 wire speed forwarding;
- Supports the AES-128 algorithm for encryption of downlink data;
- Supports global configuration of queue priorities and flexible 802.1p-to-queue mapping;
- Supports the PQ queue scheduling mode. You can configure the weight of scheduling queue to ensure the QoS of the services with high QoS requirement such as voice and video under multiple service conditions;
- Supports wireless access mode, compliant with the IEEE 802.11 b/g/n standard;
- Supports the authentication modes such as OPEN, SHARED, WPA-PSK, WPA2-PSK, WPA, PSK/WPA2-PSK. Supports the encryption modes such as NONE, WEP, TKIP, AES, and TKIP/AES.

# 3 Product Type



AN5506-04-FS

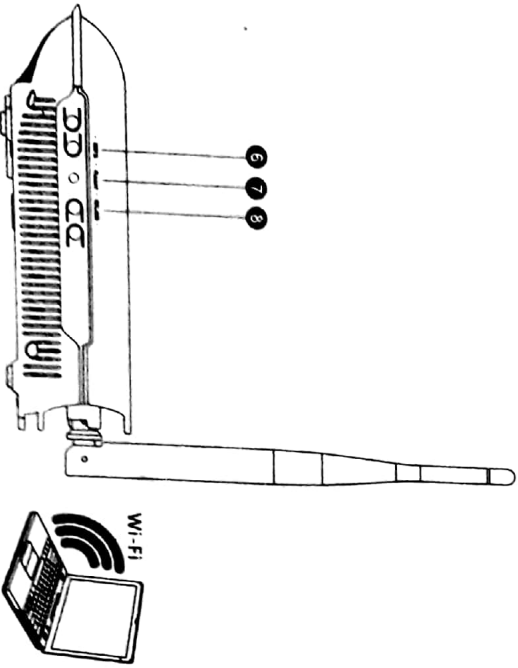
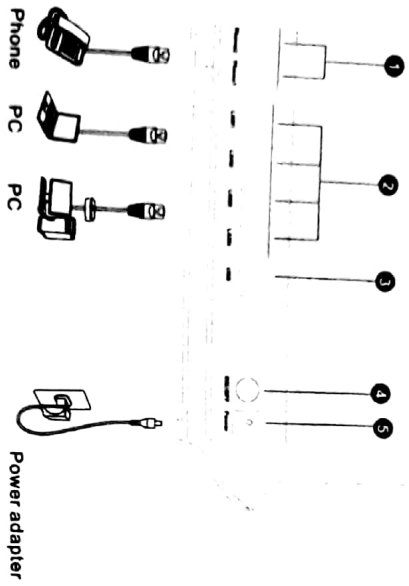
- 4 GE interfaces
- 2 phone interfaces
- External antenna
- Wi-Fi interface

# 4 Technical Specification

Type	Item	Description
Mechanical parameter	Dimension	42mm×211mm×154mm(H×W×D)
	Weight	450g approximately
Power supply parameter	DC	DC 12V/1.5A
Power consumption parameter	Power consumption	< 12W
	Operating temperature	-5°C to 45°C
Environmental parameter	Storage temperature	-40°C to 70°C
	Environmental humidity	10% to 90%, non-condensing

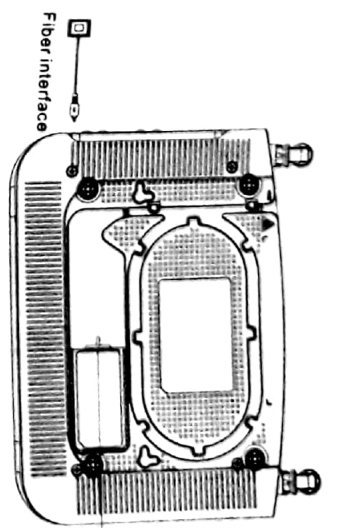
# Interfaces and Connections

- Rear panel**
1. Phone interface
  2. Network interface
  3. USB interface
  4. Power switch
  5. Power interface



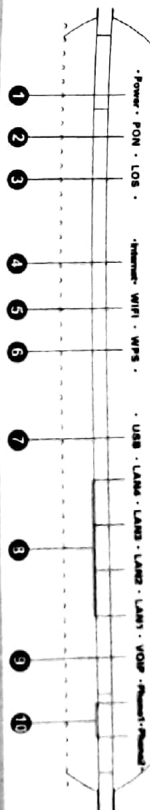
- Side panel**
6. WPS switch
  7. Reset key
  8. Wireless switch

**Note:** Press the button for more than 5 seconds to restore the default settings and reboot the device.



**Bottom panel**  
9. Fiber interface

## 7 Indicator LED Description



LED Number	LED Color	ON	Blinking	OFF
1	Power status LED (green)	The equipment is powered on.	—	The equipment is not powered on.
2	Registration status LED (green)	The ONU is activated.	The ONU is being activated.	The ONU is not activated.
3	Optical signal status LED (red)	—	No optical signals are received.	Optical signals are received.
4	Internet status LED (green)	The access to Internet is normal.	The access to Internet is normal with data transmission.	No access to Internet.
5	Wi-Fi signal status LED (green)	The interface is enabled.	The interface has traffic.	The interface is disabled.
6	WPS status LED (green)	The WPS is enabled and connected.	The related negotiation is conducted via WPS.	The WPS is not enabled or connected.
7	USB status LED (green)	The USB is connected.	—	The USB is not connected.
8	Ethernet interface status LED (green)	The interface is connected without data transmission.	The interface is receiving/transmitting data.	The interface is not connected.
9	VoIP status LED (green)	The ONU registration to the softswitch platform is successful.	—	The ONU registration to the softswitch platform failed.
10	Phone interface status LED (green)	The interface registration to the softswitch platform is successful.	The interface has traffic.	The interface registration to the softswitch platform failed.

## Logging into Web Configuration GUI

- Step 1** Set the IP address and subnet mask of the computer.
- ▶ Select the **Obtain an IP address automatically** mode (recommended).
  - ▶ Set the IP address to a static one in the same network segment of the management IP address (192.168.1.1 by default) of the AN5506-04-FS.
    - IP address: 192.168.1.X (X is a decimal integer between 2 and 253)
    - Subnet mask: 255.255.255.0
- Step 2** Enter **http://192.168.1.1** in your browser's address bar. Press **Enter** to bring up the user login dialog box.
- Step 3** Enter username and password (see the label at the bottom of the device for the default value) in the login dialog box. Access the Web page after the password is authenticated successfully.

**Note:**  
If no operation is performed in five minutes after login, the system will log out.

## Enabling the Wireless Access Function

- Step 1** Select **Network** in the navigation bar and select **Wlan Settings** → **Basic** in the link bar to open the setting page.
- Step 2** Make sure the button next to **Radio On/Off** is **RADIO ON** and keep the default settings for other parameters; for example:
- ▶ Network Mode: 802.11 b/g/n
  - ▶ Frequency (Channel): AutoSelect
  - ▶ Frequency Bandwidth: 20MHz/40MHz
- Step 3** Click **Apply** and save the configured information.

**Note:**

- On the Wi-Fi terminal, users can use the default SSID name and password (see the label at the bottom of the device) to connect the wireless network.
- To modify the parameters such as SSID name, password and authentication & encryption mode, refer to "Setting Wireless Network".
- If the selected band cannot be connected, it may be used by AP device around. Try another frequency band for connection.

## Setting Wireless Network

- Step 1** Select **Network** in the navigation bar and select **Wlan Settings** → **Advanced** in the link bar to open the setting page.
- Step 2** Set the parameters of the wireless network, including SSID name, password and authentication and encryption mode.
- ▶ SSID choice: Click the drop-down list to select the SSID. The default settings are 1 and Enable
  - ▶ SSID Name: Enter the wireless network name for the Wi-Fi terminal to search. It is advisable to use a name that can be easily identified.
  - ▶ Security Mode: It is advisable to select the default security mode such as WPA-PSK
  - ▶ WPA Algorithms: It is advisable to select the default encryption mode such as AES
  - ▶ Pass Phrase: Enter the password for the Wi-Fi terminal to access the wireless network. It is advisable to use a complex password to guarantee the security of wireless network.
  - ▶ Key Renewal Interval: It is advisable to use the default value.
- Step 3** Click **Apply** to save the currently configured SSID information.

**Note:**

- If the SSID name and password of SSID 1 are modified, the default wireless network account will become invalid.
- If they forget the customized SSID name and password, users can log into the Web to query the information or restore the default wireless network account.
- After the device is connected with WLAN successfully, users can select **Hidden** in the SSID Name field to hide the network.

## User Management

- Step 1** Select **Management** in the navigation bar. Click **Account Management** → **User Account** in the link bar to open the account maintenance page.
- Step 2** Enter the username.
- Step 3** Enter the old password.
- Step 4** Enter the new password.
- Step 5** Re-enter the new password to confirm that the passwords entered are identical.
- Step 6** Click **Apply** to save and apply the new password settings.

## Rebooting the Equipment

- Step 1** Select **Management** in the navigation bar. Click **Device Management** → **Device Reboot** in the link bar to open the device rebooting page.
- Step 2** Click **Reboot** and click **Yes** in the dialog box that appears to reboot the equipment.

**Note:**  
Reboot the device, and wait for about 2 minutes before re-logging into the Web configuration GUI.

## FAQS

**Q1: All indicator LEDs are extinguished after power-on.**

Check whether the power cable is correctly connected;

Check whether the power supply and the power adapter are normal;

Check whether the power switch on the device's rear panel is in the ON position.

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**The device fails to work.**

Check whether the power is connected normally and whether the device works abnormally, check whether the power is connected normally and whether the device works within specifications;

Check whether the equipment is overheated, check the ventilation. Make sure the equipment is not exposed to direct sunshine or is near the heat source.

**The LOS indicator LED blinks.**

Check whether the optical fiber is damaged;

Check whether the optical fiber is connected normally to the appropriate interface;

Check whether the received optical power of the ONU is below specifications with an optical power meter;

Check whether the ONU optical module is aged or damaged;

Check whether the device at the central office end is operating normally.

**The LAN indicator LED is extinguished.**

Check whether the network cable is damaged or incorrectly connected;

Check whether the wiring color-coding scheme of the network cable is incorrect. If so, replace the network cable with a standard CAT-5 twisted-pair network cable;

Check whether the network cable crosses the allowed range.

**FAQs: The ONU cannot be visited via Wi-Fi.**

1. Check whether the Wi-Fi function for the ONU is enabled, and whether the SSID is set to Hidden so that the Wi-Fi signal cannot be detected.

2. Check whether the network card drive is normally installed on the computer and whether the WLAN function for the wireless terminals like computers or mobile phones is enabled.

3. Adjust the location of the ONU, so as to reduce obstacles such as walls on the path of the signal. The distance between the ONU and the wireless terminals should be within the required range.

**FAQs: Logging into the Web page failed.**

1. Check the network card configuration and the browser version of the user's computer.

2. Check whether the IP address of the user's computer is correctly configured.