
General

From the Settings menu, select General. The General menu has these options:

- **Change password.** Change your Skype sign-in password.
- **Auto sign in.** Automatically sign in to Skype when you use the WiFi phone (recommended).
- **Language.** Select a language.
- **Software updates.** Check for software updates for the WiFi phone.
- **Reset.** Choose from two reset methods.
 - **Reset all.** Reset the WiFi phone to its factory defaults, as shown in "Wireless Default Settings" on page 35. All the stored information in the WiFi phone is erased (such as contacts, call list, and network settings).
 - **Reset device only.** Reset the WiFi phone to its factory defaults. Network settings are saved, but all other information stored in the WiFi phone, such as contacts and the call list, is erased.

Advanced

From the Settings menu, choose Advanced. You should not need to change most of these settings. The Advanced menu has these options:

- **Software updates.** Check to see if a software update is available for your WiFi phone.
- **Proxy.** Set proxy and connect to Skype.
- **Host.** Set the host and connect to Skype.
- **Port.** Specify the port and connect to Skype.
- **Proxy authentication.** Set the proxy authentication.
- **User name.** Shows the user name for this WiFi phone.
- **Password.** View the password for this WiFi phone.

Preferred Networks

When you connect to a wireless network, the consumer electronics remembers the network and puts it into Preferred Networks. To view or manage Preferred Networks:

1. On the Settings menu, select Preferred Networks.
2. With the soft key, select Options. The options are as follows:
 - **Add current.** Add the current network.
 - **Define new network.** Enter settings for a new network.
 - **Move up.** Move a network up toward the top of the list of preferred networks.
 - **Move down.** Move a network down toward the bottom of the list of preferred networks.
 - **Move to top.**
 - **Properties.** View the network name, wireless security, and data rate.
 - **Remove network.** Remove one network from the list of preferred networks.
 - **Remove all networks.** Clears all networks from the preferred networks.
 - **Auto connect to open.** This is set to Yes by default. If there is no preferred network, then the WiFi phone tries to connect to the first open network that it locates.

Connecting to Networks

The WiFi phone scans for wireless networks when you turn it on. If no network is available, you can scan for the network again, or try later. See "Network" on page 26. Also see "Wireless Networks" on page 4-32.

Many wireless networks use security such as WEP or WPA-PSK. These security features encrypt data, and require you to enter a passphrase or keys before you can use the network. After you have entered the information, the WiFi phone remembers it, unless you reset the WiFi phone.

Connecting to a Network with Wireless Security

The first time that you select a wireless network with security, a message asks if you would like to try an advanced configuration. To connect to the network:

1. With the soft key, select Advanced.
2. Select the network.
3. Select Connect, and enter the passphrase or keys.



Tip: Passphrases and keys are case-sensitive. NETGEAR is not the same as Netgear. Use the *a/A button to change to lowercase, uppercase, or numeric entry.

Troubleshooting

Use the following suggestions to locate the source of a problem.

Finding the Problem

To make and receive calls, the WiFi phone must do the following:

1. Respond when turned on.
If the phone does not respond, see "Charge the Battery" on page 2.
2. Find a wireless network.
See "Wireless Networks" on page 32.
3. Connect to a wireless network.
See "Tips for Connecting to Wireless Networks" on page 32.
4. Connect to the Internet and sign in to Skype.
If you can connect to a network, but cannot sign in to Skype, see if the Internet connection for the network is working.

If the Internet connection works, contact Skype with any questions about your Skype service. The first time you sign in with your WiFi phone it can take several minutes for your contacts to load.

Wireless Networks

To use your WiFi phone, you need a good connection to a wireless network.

The consumer electronics automatically scans for wireless networks. If it does not find your network, check the following items:

- Move the consumer electronics closer to the wireless access point or router. See "Wireless Range and Interference" on page 33.
- Check the preferred network settings. The phone remembers networks that you have used in the past. See "Preferred Networks" on page 29.

Tips for Connecting to Wireless Networks

If there is more than one network in your area, then you must know the network name. The network name is also called the Service Set Identifier (SSID). Here are some tips to help you connect to wireless networks:

- The SSID, passwords, and WEP keys are case-sensitive. NETGEAR is not the same as Netgear and A1 is not the same as a1.

- Hidden networks do not broadcast their SSID. The first time that you connect to a hidden network you must enter its SSID, which is case-sensitive.
- If you have connected to a network before, the phone remembers the settings unless the phone is reset. You can view and manage your Preferred Networks as described in "Preferred Networks" on page 29.

Wireless Range and Interference

Wireless networks have one or more access points or routers that send out wireless signals. The distance that the signal travels is the wireless range. Interference can block a wireless signal.

The strength and range of the wireless signal depend on the equipment used. As you move the WiFi phone away from an access point or router, you could lose your wireless connection.

The following can cause interference and prevent you from connecting to a wireless network:

- Large metal surfaces
- Microwave ovens
- 2.4-GHz cordless phones
- Aquariums or large fish tanks
- Walls built with concrete or metal

Wireless Default Settings and Technical Specifications

Wireless Default Settings	
Wireless communication	Enabled
Wireless network name (SSID)	Any (connects to the first wireless network that responds)
Security	Disabled
Network type	Infrastructure
Transmission speed	Auto ^a
Country/Region	United States (varies by region)
Operating mode	802.11g and 802.11b

- a. Maximum wireless signal rate (IEEE Standard 802.11). Actual throughput will vary. Volume of network traffic, building materials, and network overhead, reduce actual data throughput rate.

Technical Specifications	
Antenna	Internal
Radio data rate	1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54
Frequency	2.4–2.4835 GHz
Emissions	FCC, CE
Interface	USB, for charging only
Weight with battery	0.25 lbs (0.11kg)
Dimensions (W x H x D)	1.8 x 4.3 x 0.8 in (46 x 110 x 21mm)
Operating temperature	32°–104°F (0°–40°C)
Encryption	WEP 64, WEP 128, and WPA-PSK (TKIP) data encryption

Related Documents

You may find the following online documents useful. Use the following links to read more about wireless technology.

Document	Link
Wireless Communications	http://documentation.netgear.com/reference/enu/wireless/index.htm
Preparing a Computer for Network Access	http://documentation.netgear.com/reference/enu/wsdhcp/index.htm
Glossary	http://documentation.netgear.com/reference/enu/glossary/index.htm

Regulatory Compliance

Certificate of the Manufacturer/Importer

It is hereby certified that the Skype™ WiFi Phone has been suppressed in accordance with the conditions set out in the BMPT-AmtsblVfg 243/1991 and Vfg 46/1992. The operation of some equipment (for example, test transmitters) in accordance with the regulations may, however, be subject to certain restrictions. Please refer to the notes in the operating instructions.

Federal Office for Telecommunications Approvals has been notified of the placing of this equipment on the market and has been granted the right to test the series for compliance with the regulations.

Voluntary Control Council for Interference (VCCI) Statement

This equipment is in the second category (information equipment to be used in a residential area or an adjacent area thereto) and conforms to the standards set by the Voluntary Control Council for Interference by Data Processing Equipment and Electronic Office Machines aimed at preventing radio interference in such residential areas.

When used near a radio or TV receiver, it may become the cause of radio interference. Read instructions for correct handling.

FCC

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

This device may not cause harmful interference.

This device must accept any interference received, including interference that may cause undesired operation.

FCC RF Exposure Information

WARNING!! Read this information before using your phone.

In August 1986 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards. Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

Body-Worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 1.5cm from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 1.5cm must be maintained between the user's body and the back of the phone, including the antenna, whether extended or retracted. Third-party belt-clips, holsters and similar accessories containing metallic components shall not be used. Body-worn accessories that cannot maintain 1.5cm separation distance between the user's body and the back of the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.

For more information about RF exposure, please visit the FCC website at www.fcc.gov

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals. In August, 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

<ANSI C95.1> (1992) / <NCRP Report 86> (1986) / <ICIMIRP> (1996)

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1). Nevertheless, we recommend that you use a hands-free kit with your phone (such as an earpiece or headset) to avoid potential exposure to RF energy. The design of your phone complies with the FCC guidelines (and those standards).

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

RF Exposure Information

The radio module has been evaluated under FCC Bulletin OET 65C (01-01) and found to be compliant to the requirements as set forth in CFR 47 Sections, 2.1093, and 15.247 (b) (4) addressing RF Exposure from radio frequency devices. This model meets the applicable government requirements for exposure to radio frequency waves. The highest SAR level measured for this device was 0.586 m W/g.

Regulatory statement (R&TTE / WLAN IEEE 802.11b & 802.11g)

European standards dictate maximum radiated transmit power of 100mW EIRP and frequency range 2.400-2.4835GHz; In France, the equipment must be restricted to the 2.4465-2.4835GHz frequency range and must be restricted to indoor use.

CE Declaration of Conformity

For the following equipment: Notebook with WLAN module

Is herewith confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility (89/336/EEC), Low-voltage Directive (73/23/EEC) and the Amendment Directive (93/68/EEC), the procedures given in European Council Directive 99/5/EC and 89/3360EEC.

The equipment was passed. The test was performed according to the following European standards:

EN 300 328 V.1.6.1: 2004

EN 301 489-1 V.1.3.1 (2001), EN 301 489-17 V.1.2.1 (2002)

EN 50361: 2001

EN 60950-1: 2001

IC (WLAN)

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing."

This Class B digital apparatus complies with Canada RSS-210.

Cet appareil numérique de la classe B est conforme à la norme CNR-210 du Canada

The term "IC:" before the certification/registration number only signifies that the Industry Canada technical specifications were met.

Canadian Department of Communications Industry Canada (IC) Notice

This Class B digital apparatus complies with Canadian ICES-003 and RSS-210. Cet appareil numérique de la classe B est conforme à la norme NMB-003 et CNR-210 du Canada.

"To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing."

"Pour empêcher que cet appareil cause du brouillage au service faisant l'objet d'une licence, il doit être utilisé à l'intérieur et devrait être placé loin des fenêtres afin de fournir un écran de blindage maximal. Si le matériel (ou son antenne d'émission) est installé à l'extérieur, il doit faire l'objet d'une licence."

Europe - EU Declaration of Conformity

Česky [Czech]	NETGEAR, Inc. tímto prohlašuje, že tento Skype™ WiFi Phone je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Dansk [Danish]	Undertegnede NETGEAR, Inc. erklærer herved, at følgende udstyr Skype WiFi Phone overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Deutsch [German]	Hiermit erkläre NETGEAR, Inc., dass sich das Gerät Skype™ WiFi Phone in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
Eesti [Estonian]	Käesolevaga kinnitab NETGEAR, Inc. seadme Skype™ WiFi Phone vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
English	Hereby, NETGEAR, Inc., declares that this Skype™ WiFi Phone is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Español [Spanish]	Por medio de la presente NETGEAR, Inc. declara que el Skype™ WiFi Phone cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ NETGEAR, Inc. ΔΗΛΩΝΕΙ ΟΤΙ Skype™ WiFi Phone ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Français [French]	Par la présente NETGEAR, Inc. déclare que l'appareil Skype™ WiFi Phone est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Italiano [Italian]	Con la presente NETGEAR, Inc. dichiara che questo Skype™ WiFi Phone è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

Latviski [Latvian]	Ar šo NETGEAR, Inc. deklarāciju, ka Skype™ WiFi Phone atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvie [Lithuanian]	Šiuo NETGEAR, Inc. deklaruoja, kad šis Skype™ WiFi Phone atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Nederlands [Dutch]	Hierbij verklaart NETGEAR, Inc. dat het toestel Skype™ WiFi Phone in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Malti [Maltese]	Hawnhekk, NETGEAR, Inc., jiddikjara li dan Skype™ WiFi Phone ikkonforma mal-tijiet essenzjali u ma provvedimenti orajn rilevanti li hemm fid-Direttiva 1999/5/EC.
Magyar [Hungarian]	Alulírott NETGEAR, Inc. nyilatkozik, hogy a Skype™ WiFi Phone megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
Polski [Polish]	Niniejszym NETGEAR, Inc. oświadczam, że Skype™ WiFi Phone jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Portugués [Portuguese]	NETGEAR, Inc. declara que este Skype™ WiFi Phone está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Slovensko [Slovenian]	NETGEAR, Inc. izjavlja, da je ta Skype™ WiFi Phone v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Slovensky [Slovak]	NETGEAR, Inc. týmto vyhlasuje, že Skype™ WiFi Phone spĺna základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Suomi [Finnish]	NETGEAR, Inc. vakuuttaa täten että Skype™ WiFi Phone tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Svenska [Swedish]	Härmed intygar NETGEAR, Inc. att denna [utrustningstyp] står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

SAR

For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum Distance by 1.5cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

SAR Statement

The Netgear SHP101 has been tested for body-worn Specific Absorption Rate (SAR) compliance. The FCC has established detailed SAR requirements and has established that these requirements have been met when used at the ear and worn on the body as described in this manual. The following values are the highest SAR values:

- Maximum SAR (1g)
 - Head 0.586mW/g (2437 MHz)
 - Body 0.418mW/g (2412MHz)
- CE Maximum SAR (10g)
 - Head 0.241 W/kg (2472 MHz)

SAR Exposure

This device has been tested for compliance with FCC RF Exposure (SAR) limits in typical flat configurations.

In order to comply with SAR limits established in the RSS-102 & ANSI C95.1 standards, it is recommended when using a phone that the integrated antenna is positioned more than 1.5cm from your body or nearby persons during extended periods of operation. If the antenna is positioned less than 1.5cm from the user, it is recommended that the user limit the exposure time.

Trademarks

NETGEAR is a trademark of Netgear, Inc.

Skype, SkypeIn, SkypeOut and associated logos and the "S" symbol are trademarks of Skype Limited. Other brand and product names are registered trademarks or trademarks of their respective holders.

Statement of Conditions

In the interest of improving internal design, operational function, and/or reliability, NETGEAR reserves the right to make changes to the products described in this document without notice.

NETGEAR does not assume any liability that may occur due to the use or application of the product(s) or circuit layout(s) described herein.

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