

STONESOFT



Appliance Installation Guide

StoneGate FW-100

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Introduction

Thank you for choosing Stonesoft's StoneGate appliance. This guide provides instructions for the initial hardware installation of the FW-100 appliance(s).

The use of the appliance is subject to the acceptance of the End User License Agreement, which can be found at <http://www.stonesoft.com/en/support/eula.html>.

You must have a working Management Center on a separate server to bring the appliance(s) operational. The system architecture is explained on the next page. See the *StoneGate Installation Guide* for instructions on how to install the Management Center and configure the firewall.

Note – The purpose of this appliance installation guide is to help you get started with your StoneGate appliance. See [Product Documentation](#), on page 5 for information on other available documentation.

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Caution – Never open the covers of the appliance! There are no user serviceable parts inside. Opening the covers may lead to serious injury and will void the warranty. Read the [Safety Precautions](#), on page 7 before you conduct any installation operations on the appliance.

Getting Started

StoneGate System Components

Illustration 1 StoneGate Components



The illustration above shows all available StoneGate components. Out of these, you need the following components to have an operational Firewall/VPN system:

1. A **Management Server**, which stores the configuration of the system. In most environments, it is best to have just one common Management Server for all firewall and IPS engines.
2. At least one **Log Server** to handle and store logs and alerts (can be installed simultaneously on the same machine with the Management Server).
3. At least one **Management Client** that you use to connect to the Management Server to change settings and monitor the system.
4. The **Firewall Engines** that handle the actual traffic processing (in this case, the FW-100 appliance(s)).
5. **Licenses** for each component except the Management Client(s) and the FW-100 appliance(s). Generate the licenses at the Stonesoft website.

The **Monitoring Server** and the **Monitoring Client** are optional components that are available on separate order.

StoneGate IPS engines can be added to the same system for unified management and incident handling.

Installation Procedure

The appliance installation involves the following mandatory steps:

1. Configure a SOHO Firewall in the Management Center (see the separate *StoneGate Installation Guide* or the online help of the Management Client). The SOHO Firewall element represents the FW-100 appliance in the Management Client.
2. Save the initial configuration in the Management Client. The initial configuration is needed to establish trust between the appliance and the Management Server (see the separate *StoneGate Installation Guide*).
3. Connect the cables as instructed in *Back Panel*, on page 11.
4. Configure your computer to enable contact with the appliance (*Configuring the Computer*, on page 13).
5. Perform the initial configuration to configure the appliance and establish contact between the appliance and the Management Server (see *Initial Configuration*, on page 14).

Product Documentation

The following documentation covers the StoneGate Firewall/VPN products:

- The *Installation Guide* explains how to install the Management Center and configure your firewalls' basic settings.
- The *online help system* of the Management Client contains the step-by-step instructions for the daily configuration and management of your system.
- The *Administrator's Guide* contains the same information as the online help system of the Management Client, but in PDF form.
- The *Reference Guide* contains background and reference information that helps you to plan and understand your system.

Note – The above-mentioned product documentation contains all the necessary information for using the StoneGate FW-100 appliance. The online help available in the FW-100 web interface is not meant for the users of the preconfigured FW-100 appliances.

Finding the Documentation

Press F1 while in any Management Client window to view the online help.

All PDF guides are available:

- On the Management Center CD-ROM (in the Documentation folder)
- At the Stonesoft Website at http://www.stonesoft.com/en/support/technical_support_and_documents/manuals/.

Install the free Adobe Reader program to view the PDF documents (available at www.adobe.com/reader/).

If your order includes the *Installation Guide* and *Reference Guide*, they are delivered as printed books.

Safety Precautions

The following safety information and procedures should be followed whenever working with electronic equipment.

Electrical Safety Precautions

Basic electrical safety precautions should be followed to protect yourself from harm and the appliance from damage:

- Be aware of the locations of the room's emergency power-off switch, disconnection switch, or electrical outlet. If an electrical accident occurs, you can then quickly cut power to the system.
- Do not work alone when working with high-voltage components.
- Disconnect the power cords before removing or installing main system components.
- Use only one hand when working with powered-on electrical equipment. This is to avoid making a complete circuit, which will cause electrical shock. Use extreme caution when using metal tools, which can easily damage any electrical components or circuit boards they come into contact with.
- Do not use mats designed to decrease electrostatic discharge as protection from electrical shock. Instead, use rubber mats that have been specifically designed as electrical insulators.
- The power supply cord must include a grounding plug and must be plugged into a grounded electrical outlet. Use only the cord supplied with the appliance.
- The power cord plug cap that plugs into the AC receptacle on the power supply must be an IEC 320, sheet C13, type female connector.
- Make sure the shockproof (Home Office) socket used for the installation is freely accessible. The mains plug has to be unplugged to disconnect the unit from the mains completely.
- Make sure that the value of the upstream fuses of the mains connection does not exceed 16 amps.
- Check whether the rated voltage rendered on the typeplate of the power supply unit corresponds to the local power supply.
- Do not open the enclosures of power supplies or CD-ROM to avoid injury.

General Safety Precautions

Follow these rules to ensure general safety:

- Keep the area around the appliance clean and free of clutter.
- We recommend using a regulating uninterruptible power supply (UPS) to protect the device from power surges, voltage spikes and to keep your system operating in case of a power failure.
- Observe the respectively applicable framework conditions in your country for the installation of external ISDN basic accesses. If and when required, consult a technician who has the corresponding licenses. Obtain information about the special requirements of national regulations, and observe these legal requirements for the installation.
- In case of wall installation, ensure that the screws are safely screwed into the wall and can carry the weight of the unit and the cables.

ESD Precautions

Electrostatic discharge (ESD) is generated by two objects with different electrical charges coming into contact with each other. An electrical discharge is created to neutralize this difference, which can damage electronic components and printed circuit boards. Use a grounded wrist strap designed to prevent static discharge.

Note – We recommend you use a UPS (Uninterruptible Power Supply) with your StoneGate appliance. If after a brief power outage your StoneGate appliance only partially starts up (for example, the power light is on, but the NIC LEDs are off and the appliance does not connect) turn the appliance off for five seconds and then back on.

WLAN Precautions

- When the radio components are switched on, do not move the appliance into the vicinity of inflammable gases or into a potentially explosive environment (such as paint shop) as the radio waves emitted may cause an explosion or fire.
- Data traffic by a wireless connection may permit unauthorised third parties to receive data. Depending on how critical the safety of the data transmitted by the WLAN is, carry out the necessary steps to secure your radio network. Information on securing your WLAN is available at www.wi-fi.org.

Operating Precautions

Care must be taken to assure that the chassis cover is in place when the appliance is operating to ensure proper cooling. If this rule is not strictly followed, the warranty may become void. The temperature requirements for the appliance are: operating temperature +10...+35, and storage temperature 0...+70 degrees Celsius. Do not open the power supply casing. Power supplies can only be accessed and serviced by a qualified technician of the manufacturer.

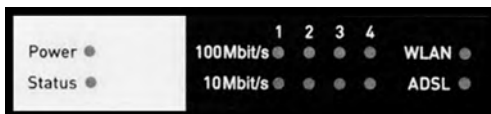
Lithium Battery Precautions



Caution – The battery must be replaced by authorized service personnel only. Danger of explosion if battery is incorrectly replaced. Replacement battery must be same or equivalent type recommended by the manufacturer. Used batteries must be discarded according to the manufacturer's instructions. Short-circuiting the battery may heat the battery and cause severe injuries.

Front Panel

Illustration 2 Front Panel



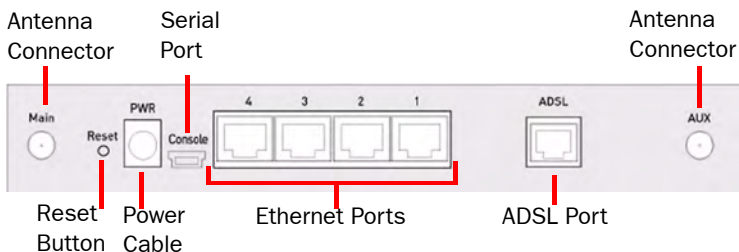
The LEDs on the front panel indicate the state and activity of the appliance.

TABLE 14.1 Front Panel LEDs

LED	Status	Explanation
Power	On	Power supply has been connected.
Status	On	Appliance is booting.
	Flashing	Appliance is active.
1 to 4	On	Appliance is connected to the Ethernet (at 100 Mbit/s or 10 Mbit/s).
	Flashing	Data traffic via Ethernet port (at 100 Mbit/s or 10 Mbit/s).
WLAN	On	WLAN module is active.
	Flashing	Data traffic via WLAN port.
ADSL	On	ADSL connection is active.

Back Panel

Illustration 3 Back Panel



All connections are located at the rear of the appliance.

The administrator who has defined the interfaces in the Management Client will inform you which ports of the appliance are used. If the initial configuration has already been imported, connect the cables to the ports according to the administrator's instructions, and connect the antennas and the rest of the cables according to the instructions below. If you import the initial configuration yourself, connect the cables as described in the following instructions.

Note – When the initial configuration has been imported, the appliance will function correctly only if you connect the cables to match the interface definitions created in the Management Client. Ask the administrator who defined the interfaces for more information.

▼ To connect the cables

1. Screw on the two provided standard antennas to the respective antenna connectors Main and AUX.
 - The antennas attached to the Main and AUX connectors do not have the same function. "Main" is used for sending and receiving; "AUX" only for receiving. The appliance verifies which antenna receives a better signal and then uses that antenna for decoding.
2. Place the appliance on a firm, level base.
3. Orient the antennas.

4. Connect your computer to the Ethernet 1 port with the supplied Ethernet cable.
 - The appliance detects automatically whether it is connected to a switch or directly to a computer.
-

Note – The computer has to be connected to the Ethernet 1 port for importing the initial configuration. If the initial configuration has already been imported on the appliance, connect the cables to the ports according to the administrator's instructions.

5. If you use ADSL, connect the ADSL port of the appliance to the ADSL socket on your computer with the supplied DSL cable.
6. Connect the remaining Ethernet ports on the appliance to any other desired LAN interfaces using further Ethernet cables according to the interface definitions.
7. If you want to have a serial connection to the appliance, connect the serial port of your computer (COM1 or COM2) to the serial port "Console" on the appliance.
 - Use the serial cable supplied with the appliance.
8. Connect the appliance to the mains socket using the supplied mains adaptor.

Proceed to [Configuring the Computer](#), on page 13.

Configuring the Computer

Make sure that the computer you are using is able to connect to the appliance over the network. If the initial configuration has not yet been imported on the appliance, the computer should now be connected to the Ethernet 1 port on the appliance.

▼ To configure your computer

1. Open the local area network properties on your computer.
2. Open the properties of the TCP/IP protocol.
3. Check the computer's IP configuration. The computer's IP address, netmask, and gateway information must match the appliance's IP configuration. Before the initial configuration of the appliance, the computer's IP configuration must be the following:
 - IP address: in the range of 192.168.0.1-192.168.0.253
 - Netmask: 255.255.255.0
 - Default gateway: 192.168.0.254

Note – The IP configuration changes with the initial configuration of the appliance. The computer's IP address and the address of the default gateway must be the same as the IP address defined for the appliance's corporate interface in the Management Client. The computer's netmask must also be the same as the corporate interface's netmask. The administrator who created the initial configuration in the Management Client will inform you which addresses you should use.

Once you have checked your computer's IP address information and possibly modified it to match the appliance's IP configuration, you can proceed to [Initial Configuration](#), on page 14.

Note – If DHCP service has been enabled in the Management Client, a DNS server will provide the IP address for your computer. Ask the administrator for more information.

Initial Configuration

Once you have established contact between your computer and the appliance, you can continue configuring the appliance by importing the initial configuration (for example, from a USB stick) through the FW-100 web interface.

The administrator who created the initial configuration in the Management Client may have encrypted the initial configuration with a password. In that case, the administrator will also provide the password for the initial configuration.

You must import the initial configuration, unless you are informed that someone in your company has already taken care of configuring the appliance. In that case, the person who has imported the configuration should inform you of the steps you should take. You may still have to add information needed for ADLS use in the FW-100 web interface. If you must import the initial configuration or add ADSL information, start by [Logging In to the FW-100 Web Interface](#).

Logging In to the FW-100 Web Interface

▼ To log in to the FW-100 Web Interface

1. Make sure that the appliance is connected to your computer that has the necessary display, mouse, keyboard, and a graphical user interface with a Web browser.
2. Open the Web browser and connect to **http://192.168.0.254**. This is the appliance's default IP address before importing the initial configuration. The login for the FW-100 web interface opens ([Illustration 4](#)).

Illustration 4 Web Interface Login



3. Log in. By default, the user name is **admin** and the password is **stonesoft**.

If the initial configuration has already been imported and you must add information needed for ADSL use, proceed to [Entering Information for ADSL Usage](#), on page 18.

If the initial configuration has not yet been imported, proceed to [Importing Initial Configuration](#), on page 16.

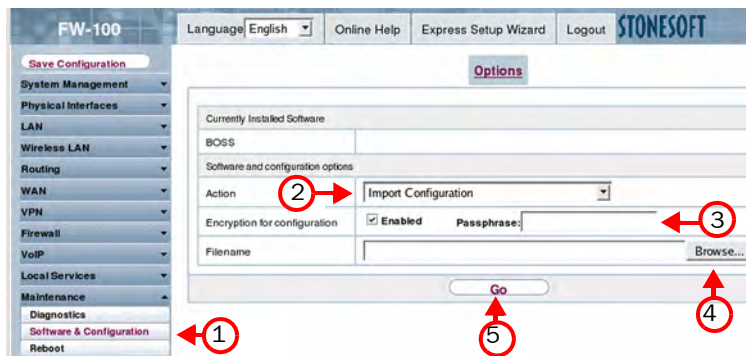
Importing Initial Configuration

The initial configuration is imported on the appliance through the FW-100 web interface.

▼ To import initial configuration

1. In the web interface, expand **Maintenance** in the menu on the left and select **Software & Configuration** (Illustration 5).

Illustration 5 Importing Configuration.



2. Select **Import Configuration** in the Action field. If the initial configuration has been encrypted, the Encryption for Configuration options are enabled.
3. (To import an encrypted configuration) Enter the password for the encrypted configuration in the Passphrase field.
4. Enter the path and name of the initial configuration file in the Filename field or click **Browse** and select the file in the dialog that opens.
5. Click **Go**.
6. Select **Yes** and click **OK** in the confirmation message to start the configuration import.
7. When the configuration has been imported, click **Reboot** in the message box to reboot the appliance.

The initial configuration of the appliance is now finished, unless the administrator has informed you that you must add information for ADSL use through the FW-100 web interface.

To be able to connect to the web interface, the IP address configuration of your computer must match the IP address configuration of the appliance's corporate interface (see [Configuring the Computer](#), on page 13). As the initial configuration also includes the interface definitions created in the Management Client, you must also check that you have connected the cables to the correct ports (see [Back Panel](#), on page 11). Once you have checked the computer's IP configuration and the cabling, proceed to [Entering Information for ADSL Usage](#), on page 18.

Entering Information for ADSL Usage

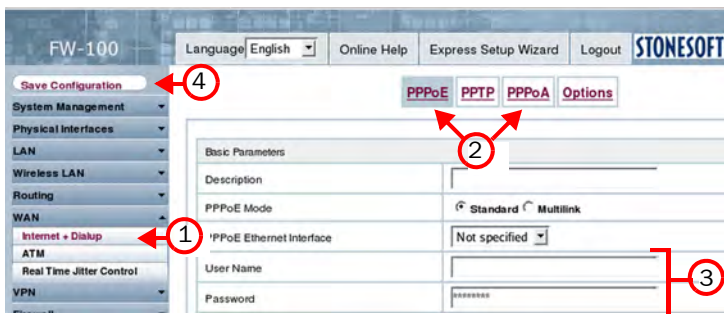
If your Internet Service Provider requires a user name and/or password for ADSL usage and the information was not included in the initial configuration, you must enter the user name and password through the FW-100 web interface after the initial configuration of the appliance. You will only need to enter the ADSL information if your administrator instructs you to do so.

Note – You can access the web interface only if your computer has been configured correctly as described in [Configuring the Computer](#), on page 13. The computer must also be connected to a port that corresponds to a corporate interface defined in the Management Client (see [Back Panel](#), on page 11).

▼ To enter ADSL information

1. In the web interface, expand the **WAN** menu on the left and select **Internet + Dialup** (Illustration 6).

Illustration 6 Entering ADSL Information



2. Select either **PPPoE** or **PPPoA** according to the administrator's instructions.
3. Enter the required user information in the User Name and/or Password fields.
4. Click **Save Configuration** to save the changes.

The ADSL information has now been added to the appliance's configuration.

Resetting the Configuration

You can reset the configuration on the appliance, if there are problems in configuring it or connecting to the Management Server.

▼ To reset the configuration

1. Turn the power off on the appliance by unplugging the power cord.
2. Press down the **Reset** button. While pressing the button, reconnect the power cord to the appliance.
3. Watch the LEDs on the front panel.
 - First the **Power** and **Status** LEDs will light up.
 - The Ethernet LEDs (1-4) for ports connected to the Ethernet will flash.
 - The boot sequence begins.
4. When the **Status** LED has lit up five times, release the **Reset** button.

The appliance now boots up. You can now reconfigure it by importing a configuration as described in [Initial Configuration](#), on page 14.

Disposal Instructions



The waste container symbol with the "X" through it on the device indicates that the device must be disposed of separately from normal domestic waste at an appropriate waste disposal facility at the end of its useful service life.



Das auf dem Gerät befindliche Symbol mit dem durchgekreuzten Müllcontainer bedeutet, dass das Gerät am Ende der Nutzungsdauer bei den hierfür vorgesehenen Entsorgungsstellen getrennt vom normalen Hausmüll zu entsorgen ist.



Le symbole se trouvant sur l'appareil et qui représente un conteneur à ordures barré signifie que l'appareil, une fois que sa durée d'utilisation a expiré, doit être éliminé dans des poubelles spéciales prévues à cet effet, de manière séparée des ordures ménagères courantes.



Il simbolo raffigurante il bidone della spazzatura barrato riportato sull'apparecchiatura significa che alla fine della durata in vita dell'apparecchiatura questa dovrà essere smaltita separatamente dai rifiuti domestici nei punti di raccolta previsti a tale scopo.



El símbolo del contenedor con la cruz, que se encuentra en el aparato, significa que cuando el equipo haya llegado al final de su vida útil, deberá ser llevado a los centros de recogida previstos, y que su tratamiento debe estar separado del de los residuos urbanos.



Symbolen som sitter på apparaten med den korsade avfallstunnan betyder att apparaten när den tjänat ut ska kasseras och lämnas till de förutsedda sortergårdarna och skiljas från normalt hushållsavfall.



Tegnet på apparatet som viser en avfallcontainer med et kryss over, betyr at apparatet må kastet på hertil egnet avfallssted og ikke sammen med vanlig avfall fra husholdningen.



Το σύμβολο που βρίσκεται στην συσκευή με το σταυρωμένο κοντέινερ απορριμμάτων σημαίνει, ότι η συσκευή στο τέλος της διάρκειας χρήσης της πρέπει να διατεθεί ξεχωριστά από τα κανονικά απορρίμματα στα γι' αυτό τον σκοπό προβλεπόμενα σημεία διάθεσης.



Symbollet med gennemkrydset affaldsbeholder på apparatet betyder, at apparatet, når det ikke kan bruges længere, skal bortskaffes adskilt fra normalt husholdningsaffald på et af de dertil beregnede bortskaffelsessteder.



Znajdujący się na urządzeniu symbol przekreślonego pojemnika na śmieci oznacza, że po upływie żywotności urządzenia należy go oddać do

odpowiedniej placówki utylizacyjnej i nie wyrzucać go do normalnych śmieci domowych.



Het doorgehaalde symbool van de afvalcontainer op het apparaat betekent dat het apparaat op het einde van zijn levensduur niet bij het normale huisvuil mag worden verwijderd. Het moet bij een erkend inzamelpunt worden ingeleverd.



O símbolo com um caixote de lixo riscado, que se encontra no aparelho, significa, que o aparelho no fim da sua vida útil deve ser eliminado separadamente do lixo doméstico nos centros de recolha adequados.

R&TTE Compliance

This section contains information for the FW-100 appliances and their compliance with the EC Directive 1999/5/EC (R&TTE Directive) relevant to the European Union. This document is valid for all single band products (2,4 GHz, IEEE802.11b/g) and for all dual band products (2,4 GHz, IEEE802.11b/g, and 5 GHz, IEEE802.11a/h).

EC Declaration of Conformity

The following table presents EU conformity information.

TABLE 14.2 EU Conformity Information

Bulgaria (BG) България	Настоящият уред отговаря на основните изисквания и на по-нататъшните съответни параметри на директива 1999/5/EC
Czech (CS) Česky	Toto zařízení je v souladu se základními požadavky a ostatními odpovídajícími ustanoveními směrnice 1999/5/ES
Danish (DA) Dansk	Dette udstyr er i overensstemmelse med de væsentlige krav og andre relevante bestemmelser i Direktiv 1999/5/EF.
Dutch (NL) Nederlands	Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van de Richtlijn 1999/5/EG.
Estonian (ET) Eesti	See seade vastab direktiivi 1999/5/EÜ olulistele nõuetele ja teistele asjakohastele sätetele.
English (EN)	This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

TABLE 14.2 EU Conformity Information (Continued)

German (DE) Deutsch	Dieses Gerät entspricht den grundlegenden Anforderungen und den weiteren entsprechenden Vorgaben der Richtlinie 1999/5/EG.
Greek (EL) Ελληνική	Αυτός ο εξοπλισμός είναι σε συμμόρφωση με τις ουσιώδεις απαιτήσεις και άλλες σχετικές διατάξεις της Οδηγίας 1999/5/EK.
Finnish (FI) Suomi	Tämä laite täyttää direktiivin 1999/5/EY olennaiset vaatimukset ja on siinä asetettujen muiden laitetta koskevien määräysten mukainen.
French (FR) Français	Cet appareil est conforme aux exigences essentielles et aux autres dispositions pertinentes de la Directive 1999/5/CE.
Hungarian (HU) Magyar	Ez a készülék teljesíti az alapvető követelményeket és más 1999/5/EK irányelvben meghatározott vonatkozó rendelkezéseket.
Icelandic (IS) Íslenska	Þetta tæki er samkvæmt grunnkröfum og öðrum viðeigandi ákvæðum Tilskipunar 1999/5/EB.
Italian (IT) Italiano	Questo apparato è conforme ai requisiti essenziali ed agli altri principi sanciti dalla Direttiva 1999/5/CE.
Latvian (LV) Latviski	Šī iekārta atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lithuanian (LT) Lietuvių	Šis įrenginys tenkina 1999/5/EB Direktyvos esminius reikalavimus ir kitas šios direktyvos nuostatas.

TABLE 14.2 EU Conformity Information (Continued)

Maltese (MT) Malti	Dan l-apparat huwa konformi mal-htigiet essenzjali u l-provedimenti l-ohra rilevanti tad-Direttiva 1999/5/KE.
Norwegian (NO) Norsk	Dette utstyret er i samsvar med de grunnleggende krav og andre relevante bestemmelser i EU-direktiv.1999/5/EC.
Polish (PL) Polski	Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE: 1999/5/WE.
Portuguese (PT) Português	Este equipamento está em conformidade com os requisitos essenciais e outras provisões relevantes da Directiva 1999/5/CE.
Romania (RO) România	Acest echipament este in conformitate cu cerintele esentiale si cu alte prevederi relevante ale Directivei 1999/5/EC.
Spain (ES) Español	Este equipo cumple con los requisitos esenciales así como con otras disposiciones de la Directiva 1999/5/CE.
Slovenian (SL) Slovensko	Ta naprava je skladna z bistvenimi zahtevami in ostalimi relevantnimi pogoji Direktive 1999/5/ES.
Slovak (SK) Slovensky	Toto zariadenie je v súlade so základnými požiadavkami a ostatnými príslušnými ustanoveniami smernice 1999/5/ES.
Swedish (SV) Svenska	Denna utrustning är i överensstämmelse med de väsentliga kraven och andra relevanta bestämmelser i direktiv 1999/5/EG.

Applied Standards for the EC Declaration of Conformity

Radio spectrum:

- Single band and dual band products EN 300 328 for sub-band a) 2400 - 2483,5 MHz
- Dual band products only:
EN 301 893 for sub-bands b) 5150 - 5250 MHz, c) 5250 - 5350 MHz, d) 5470 - 5725 MHz

Safety:

- Single band and dual band products:
 - EN 60950-1
 - EN 50371

Electromagnetic Compatibility (EMC):


- Single band and dual band products:
 - EN 301 489-1
 - EN 301 489-17

CE Marking

This Product is intended to be operated in the following countries: AT, BE, BG, CY, CZ, DK, EE, FI, FR, DE, GR, HU, IE, IT, LV, LT, LU, MT, NL, PL, PT, RO, SK, SI, ES, SE, GB, NO, CH, LI.

The following conformity mark is added to the WLAN product in accordance to annex VII of 1999/5/EC:



For some products a Notified Body was consulted. In this case its number is noted between **CE** and the alert symbol .

National Restrictions and Requirements for Authorization

In accordance to article 6 (3) of 1999/5/EC we herewith inform you about the national restrictions and requirements for authorization in the following countries (see table below). The requirements for any country may evolve. We recommend that you check with local authorities for the

latest status of their national regulations for both 2.4 and 5 GHz wireless LANs.

TABLE 14.3 Frequency Bands and Restrictions

Frequency Band	Restrictions	RF - Radiated Power	Comments
2400 - 2454 MHz	None	100 mW e.i.r.p.	Class 1
2400 - 2483.5 MHz	None	10 mW e.i.r.p.	Class 1
2454 - 2483.5 MHz	Yes	100 mW e.i.r.p.	Class 2
5150 - 5250 MHz	Yes		Class 2
5250 - 5350 MHz	Yes		Class 2
5470 - 5725 MHz	Yes		Class 2

The 5-GHz equipment meets the Dynamic Frequency Selection (DFS) requirements applicable to client cards (slaves) as defined in ETSI EN 301 893.

In order to meet the Transmit Power Control (TPC) requirement, the equipment has different user-selectable power levels from which the maximum power level is 3 dB below the applicable limit.

The following sections identify countries having additional requirements for authorization or restrictions other than those listed in the table above (indicated by "Yes" in the column "Restrictions").

Note – Please note that this table might not be up to date as you read it. Despite careful research on the subject, there may be regulations in countries which are not mentioned here. If you are uncertain about your national regulations, please contact your national regulatory authority!

Denmark

In Denmark, the band 5150 - 5350 MHz is also allowed for outdoor usage.

I Danmark er frekvensbåndene 5150 - 5350 MHz også tilladt til udendørs brug.

France

For 2.4 GHz, the output power is restricted to 10 mW EIRP when the product is used outdoors in the band 2454 - 2483.5 MHz. There are no restrictions when used in other parts of the 2,4 GHz band. Check <http://www.arcep.fr/> for more details.

Pour 2,4 GHz, la puissance de sortie est limitée à 10 mW PIRE lorsque le produit est utilisé à l'extérieur dans la bande 2 454 - 2 483,5 MHz. Il n'y a pas de limitation dans le cas d'une utilisation dans les autres parties de la bande 2,4 GHz. Pour obtenir de plus amples informations, consultez le site <http://www.arcep.fr/>.

Italy

This product meets the National Radio Interface specifications and the requirements in the National Frequency Allocation Table for Italy.

Operating wireless equipment requires a "general authorization" unless it is operated within the boundaries of the owner's property. Please check with <http://www.comunicazioni.it/it> for more details.

Questo prodotto è conforme alle specifiche di Interfaccia Radio Nazionali e rispetta il Piano Nazionale di ripartizione delle frequenze in Italia. Se non viene installato all'interno del proprio fondo, l'utilizzo di prodotti Wireless LAN richiede una "Autorizzazione Generale".

Consultare <http://www.comunicazioni.it/it> per maggiori dettagli.

Latvia

The outdoor usage of the 2.4-GHz band requires an authorization from the Electronic Communications Office. Please check <http://www.esd.lv> for more details.

Areja 2.4-GHz grupas lietošana pieprasa Elektronisko Sakaru Biroja (Elektronisko sakaru biroja) atļauju. Sikakam detalām izvēlieties, lūdzu, <http://www.esd.lv>.

Antennas

This Product is to be operated with the antennas supplied with the equipment.

Operating Frequency

The operating frequency is determined by the access point to which the client is associated. The operating frequency of the client cannot be set manually. It is important that the Access Point is correctly configured to meet the local regulations.

StoneGate Appliance Installation Guide

This booklet covers the initial installation and configuration tasks specific to your StoneGate Appliance.

For information on how to prepare the Management Center for a new engine installation, see the other available documentation. See inside for further details.

All documentation and our technical knowledge base is available at www.stonesoft.com/support.

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