



# *AT-GS903SX*

*Gigabit Switch*

## *Installation Guide*


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
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**Important:** Appendix A contains translated safety statements for installing this equipment. When you see the , go to Appendix A for the translated safety statement in your language.


**Wichtig:** Anhang A enthält übersetzte Sicherheitshinweise für die Installation dieses Geräts. Wenn Sie  sehen, schlagen Sie in Anhang A den übersetzten Sicherheitshinweis in Ihrer Sprache nach.


**Vigtigt:** Tillæg A indeholder oversatte sikkerhedsadvarsler, der vedrører installation af dette udstyr. Når De ser symbolet , skal De slå op i tillæg A og finde de oversatte sikkerhedsadvarsler i Deres eget sprog.


**Belangrijk:** Appendix A bevat vertaalde veiligheidsopmerkingen voor het installeren van deze apparatuur. Wanneer u de  ziet, raadpleeg Appendix A voor vertaalde veiligheidsinstructies in uw taal.


**Important:** L'annexe A contient les instructions de sécurité relatives à l'installation de cet équipement. Lorsque vous voyez le symbole , reportez-vous à l'annexe A pour consulter la traduction de ces instructions dans votre langue.


**Tärkeää:** Liite A sisältää tämän laitteen asentamiseen liittyvät käännetyt turvaohjeet. Kun näet -symbolin, katso käännettyä turvaohjetta liitteest A.

**Importante:** l'Appendice A contiene avvisi di sicurezza tradotti per l'installazione di questa apparecchiatura. Il simbolo , indica di consultare l'Appendice A per l'avviso di sicurezza nella propria lingua.

**Viktig:** Tillegg A inneholder oversatt sikkerhetsinformasjon for installering av dette utstyret. Når du ser , åpner du til Tillegg A for å finne den oversatte sikkerhetsinformasjonen på ønsket språk.

**Importante:** O Anexo A contém advertências de segurança traduzidas para instalar este equipamento. Quando vir o símbolo , leia a advertência de segurança traduzida no seu idioma no Anexo A.

**Importante:** El Apéndice A contiene mensajes de seguridad traducidos para la instalación de este equipo. Cuando vea el símbolo , vaya al Apéndice A para ver el mensaje de seguridad traducido a su idioma.

**Obs!** Bilaga A innehåller översatta säkerhetsmeddelanden avseende installationen av denna utrustning. När du ser , skall du gå till Bilaga A för att läsa det översatta säkerhetsmeddelandet på ditt språk.

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# Welcome to Allied Telesyn

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The guide provides the required information to install and configure the AT-GS903SX Gigabit Ethernet Switch.

## Where to Find Web-based Guides

Allied Telesyn wants our customers to be well informed by providing the most up-to-date and most easily accessible way to find our guides and other technical information.

Visit our website at [www.alliedtelesyn.com/support/lib\\_allproducts.htm](http://www.alliedtelesyn.com/support/lib_allproducts.htm) for related product information.

## Documentation Conventions

Through out this guide, you will notice several conventions that you should become familiar with first before installing the product.

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### Note

A note provides additional information.

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### Caution

A caution indicates that performing or omitting a specific action may result in equipment damage or loss of data.

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### Warning

A warning indicates that performing or omitting a specific action may result in bodily injury.

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## Contacting Allied Telesyn

There are several ways to contact Allied Telesyn technical support, online, telephone, fax or by e-mail.

### Online Support

You can request technical support online by filling out the Tech-Assistant Form at [www.alliedtelesyn.com/forms/feedtech.htm](http://www.alliedtelesyn.com/forms/feedtech.htm).

### Telephone and Fax Support

#### **Americas**

United States, Canada, Mexico,  
Central America, South America  
Tel: 1 (800) 428-4835, select option 4  
Fax: 1 (503) 639-317

#### **Asia**

Singapore, Taiwan, Thailand, Malaysia,  
Indonesia, Korea, Philippines, China,  
India, Hong Kong  
Tel: (+65) 381-5612  
Fax: (+65) 383-3830

#### **Australia**

Tel: 1 (800) 000-880  
Fax: (+61) 2-9438-4966

#### **France**

France, Belgium, Luxembourg,  
The Netherlands, Middle East, Africa  
Tel: (+33) 0-1-60-92-15-25  
Fax: (+33) 0-1-69-28-37-49

#### **Germany**

Germany, Switzerland, Austria, Eastern  
Europe  
Tel: (+49) 0130/83-56-66  
Fax: (+49) 30-435-900-115

#### **Italy**

Italy, Spain, Portugal, Greece, Turkey,  
Israel  
Tel: (+39) 02-416047  
Fax: (+39) 02-419282

#### **Japan**

Tel: (+81) 3-3443-5640  
Fax: (+81) 3-3443-2443

#### **United Kingdom**

United Kingdom, Denmark, Norway,  
Sweden, Finland  
Tel: (+0044) 1235-442500  
Fax: (+44) 1-235-442680

### E-mail Support

#### **United States and Canada**

[TS1@alliedtelesyn.com](mailto:TS1@alliedtelesyn.com)

#### **Latin America, Mexico, Puerto Rico, the Caribbean, and Virgin Islands**

[latin\\_america@alliedtelesyn.com](mailto:latin_america@alliedtelesyn.com)

#### **United Kingdom, Sweden, Norway, Denmark, and Finland**

[support\\_europe@alliedtelesyn.com](mailto:support_europe@alliedtelesyn.com)



## Returning Products

Products for return or repair must first be assigned a Return Materials Authorization (RMA) number. A product sent to Allied Telesyn without a RMA number will be returned to the sender at the sender's expense.

To obtain an RMA number contact Allied Telesyn's Technical Support at one of the following location:

### North America

Tel: 1-800-428-4835, select option 4

Fax: 1-503-639-3716

### European Customer Support Centre

10/11 Bridgmead Close

Westmead Industrial Estate

Swindon, Wiltshire SN5 7YT

England

Tel: +44-1793-50140

Fax: +44-1793-43109

### Latin America, the Caribbean,

#### Virgin Islands

Tel: international code + 425-481-3852

Fax: international code + 425-483-9458

### Mexico and Puerto Rico

Tel: 1-800-424-5012, ext 3852 or

1-800-424-4284, ext 3852

Mexico only:95-800-424-5012, ext 3852

Fax: international code + 425-489-9191

## FTP Server

If you know the name of a specific driver, you may connect directly to our FTP server at: **ftp://gateway.centre.com.**

At login, enter 'anonymous'. Enter your e-mail address for the password as requested by the server at login.

## For Sales or Corporate Information

**Allied Telesyn International, Corp.**  
19800 North Creek Parkway, Suite 200  
Bothell, WA 98011  
Tel: 1 (425) 487-8880  
Fax: 1 (425) 489-9191

**Allied Telesyn International, Corp.**  
960 Stewart Drive, Suite B  
Sunnyvale, CA 94086  
Tel: 1 (800) 424-4284 (USA and Canada)  
Fax: 1 (408) 736-0100

## Tell Us What You Think

In our continuing efforts to help you get the most from Allied Telesyn, we look for new and better ways to document our products. If you have comments or suggestions on how we might improve this or other documents, please fill out the “AT-GS903SX Installation Guide Feedback” on page 33 and return the form to us at the address or fax number provided, or you can provide feedback online by filling out the Feedback on Documentation form at [www.alliedtelesyn.com/forms/feedmanu.htm](http://www.alliedtelesyn.com/forms/feedmanu.htm).

# Chapter 1

## Product Description

---

This chapter describes the features of the AT-GS903SX Gigabit Ethernet Switch.

### Features

The AT-GS903SX is an unmanaged, Gigabit Ethernet Switch that provides familiar Ethernet technology with high-speed access. It is a high-performance switch that can be installed on the desktop, mounted on a wall, or installed in a 19-inch rack. It presents an affordable, ideal solution to the bottlenecks that can occur in networks where data-intensive applications and a proliferation of new users is disrupting network throughput. The switch provides the following features:

- ❑ Ethernet, Fast Ethernet, and Gigabit Ethernet connectivity: one 10/100Base-TX port with an RJ-45 connector, and three 1000Base-SX ports with SC connectors
- ❑ A small 1.0U high, 13-inch enclosure for desktop, wall, or 19-inch rack-mount installation
- ❑ Half- or full-duplex operation and autonegotiation on the 10/100Mbps port, full-duplex operation on the gigabit ports
- ❑ Complies with IEEE 802.3u, IEEE 802.3ab, and IEEE 802.3z specifications
- ❑ Store-and-forward switching mode
- ❑ Supports extended frame lengths up to 1536 bytes
- ❑ 12K MAC addresses with automatic learning and aging
- ❑ Eight MB SGRAM for the data buffer of each port
- ❑ LED indicators for Power, for port Link and Activity on the gigabit ports, and for Full-duplex/Collision and Link/Activity on the 10/100Mbps port
- ❑ One media-dependent interface (MDI) button on Port 4 (10/100Mbps) for hub or PC connection
- ❑ Internal autoranging power supply (100-120/200-240VAC)

# Physical Description

Figure 1 shows the front panel of the switch.

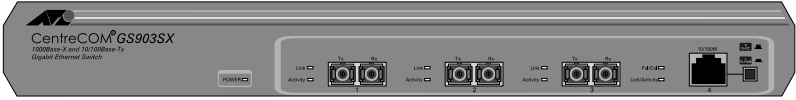


Figure 1 The AT-GS903SX Switch (Front)

Figure 2 shows the rear view of the switch showing the AC input and fan locations.



Figure 2 Rear View of AT-GS903SX Switch

Figure 3 shows the labels for the LEDs indicators for the two types of ports.

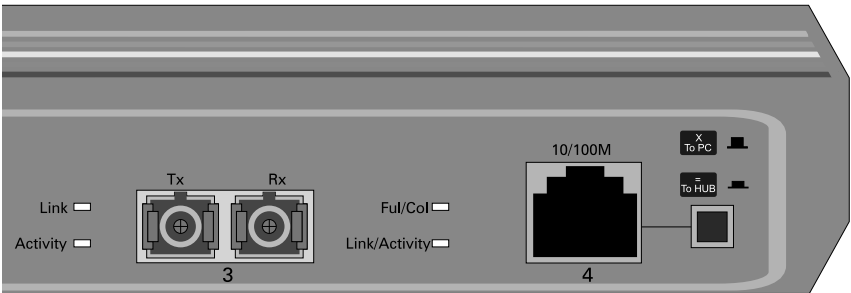


Figure 3 LED Indicators Labels (Partial Front Panel)

## LEDs

Table 1 describes the switch LEDs. Refer to Figure 3 for the labels for the LEDs for the two types of ports.



**Table 1** AT-GS903SX LED Indicators

LED	Color	Indicates
Power	Green On	The switch is powered up and ready for use.
	Off	The switch is powered off.
<b>Gigabit Ethernet Port Status LEDs</b>		
Link	Green On	Link is present; port is enabled; full-duplex operation.
	Off	Link is not present.
Activity	Green Flashing	Packets are being transmitted/received on this port.
	Off	No activity on this port.
<b>10/100Mbps Port Status LEDs</b>		
Full/Col	Yellow On	Full-duplex mode.
	Off	Half-duplex mode.
	Yellow Flashing	Two or more devices attempted to transmit data at the same time. (Typical under Ethernet CSMACD.)
Link/ Act	Yellow On	100M Link is present; port is enabled.
	Yellow Flashing	100M Packets are being transmitted/received on this port.
	Green On	10M Link is present; port is enabled.
	Green Flashing	100M Packets are being transmitted/received on this port.
	Off	Link is not present.

## MDI Button

The MDI provides you with the flexibility for using a straight-through cable to connect to a hub or another switch, or to any DTE such as an end station or a server. The button is associated with Port 4. Table 2 describes the MDI button positions.

Table 2 MDI Positions

Position	Label	Use
Out 	X To PC	To connect a DTE to the port
In 	= To Hub	To connect a hub or another switch to the port

## Media Type

Table 3 describes the standard (connectors), media, and maximum distances for each port type.

Table 3 Media Types and Distances

Standard	Media Type	MHz/Km Rating	Maximum Distance
1000Base-SX (Short Wave = 850 nm)	50/125um Multimode Fiber Single-mode: not supported	500	550 m (1804 ft)
	62.5/125um Multimode Fiber Single-mode: not supported	160	220 m (722 ft)
100Base-TX	Category 5 UTP Cable (100 Mbps)		100 m (328 ft)
10Base-T	Category 3 UTP Cable (10 Mbps)		100 m (328 ft)

## **AC Power Connector**

The switch has a single AC power supply socket in the rear panel, which has autoranging AC voltage inputs. The input voltage range is from 100-120/200-240 VAC, 50/60 Hz. The power cord acts as an ON/OFF switch.

## **Where to Go Next**

Proceed to Chapter 2 for details on how to install the switch.





## Chapter 2

# Installation

---

This chapter describes how to install the AT-GS903SX on a desktop, on a wall, or into a 19-inch rack.

### Verifying Switch Package Contents

Make sure the following items are included in your switch package. If any of the following items are missing or damaged, contact your sales representative.

- One AT-GS903SX switch
- This Installation Guide
- Warranty card
- Four rubber feet for desktop installation
- Two brackets, eight flathead Phillips screws, and four large screws and nylon washers for installation into a 19-inch rack
- Two screws and plastic anchors for horizontal wall installation
- Three spare self-adhesive serial number labels
- Power cord (Americas, EC, Australia, and UK only)

### Preparing the Site

Use common sense when selecting a location for the switch and observe the following:

- Make sure that the switch's power is accessible and cables can be connected easily.
- Cabling must be away from sources of electrical noise such as radios, transmitters, broadband amplifiers, power lines, electric motors, and fluorescent fixtures.
- Air flow around the switch and through its vents on the side and rear must not be restricted.

- ❑ If you are installing the switch on a desk, make sure it is placed on a level, secure desktop.
- ❑ Do not place objects on top of the switch.
- ❑ Do not expose the switch to moisture or water.
- ❑ Make sure it is in a dust-free environment.
- ❑ Use dedicated power circuits or power conditioners to supply reliable electrical power to the network devices.

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**Note**

To install the switch vertically on a wall, use the AT-BRKT18 Wall-Mount Bracket; order it from your Allied Telesyn representative.

---

## Installing the Switch on a Desktop

1. Locate a level, secure surface for the switch.
2. Apply the four rubber feet to the bottom of the unit.
3. Put the switch onto the rubber feet on the desktop.



---

**Warning**

The power cord is used as a disconnection device. To de-energize equipment, disconnect the power cord. ⚡ 8

---

4. Apply power to the switch by plugging the power cord into the rear of the unit and plugging the other end into a wall outlet. Verify that the Power LED lights green.

If the Power LED does not light green, refer to Chapter 3, for further information.

5. Connect the data cables and observe normal operation as indicated by the port LEDs. Refer to Table 1 on page 3 for LED information. For Port 4, set the MDI Button to the correct setting. Refer to Table 2 on page 4 for the MDI setting.

## Installing the Switch on a Wall

The switch can be installed vertically or horizontally on the wall.



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### Warning

To install the switch vertically on a wall, you must use the accessory AT-BRKT18 Wall-Mount Bracket. **DO NOT USE** the keyholes in the bottom of the switch chassis to mount it vertically on the wall.

---

These instructions are for mounting the switch horizontally on the wall. To mount the switch vertically on a wall, follow the instructions supplied with the AT-BRKT18 Wall-Mount Bracket. Order the bracket from your Allied Telesyn representative.

1. Select a wall location for the switch.
2. Install two plastic anchors and two pan-head screws into the wall, separated by 100 mm (approximately 4-inches) on center.
3. Position the switch onto the wall screws.



---

### Warning

The power cord is used as a disconnection device. To de-energize equipment, disconnect the power cord. ⚡ 8

---

4. Apply power to the switch by plugging the power cord into the rear of the unit and plugging the other end into a wall outlet. Verify that the Power LED lights green.

If the Power LED does not light green, refer to Chapter 3, Troubleshooting, for further information.

5. Connect the data cables and observe normal operation as indicated by the port LEDs. Refer to Table 1 on page 3 for LED information. For Port 4, set the MDI Button to the correct setting. Refer to Table 2 on page 4 for the MDI setting.

## Installing the Switch in a Rack Mount



### Caution

Do not use power tools to perform this installation.

1. Remove all cables and the power cord from the switch (if previously attached).



### Caution

Air vents must not be blocked and must have free access to the room ambient air for cooling. *8* 11

2. Attach the rackmounting brackets to each side of the switch as shown in Figure 4, using the eight flathead screws that came in the switch package.

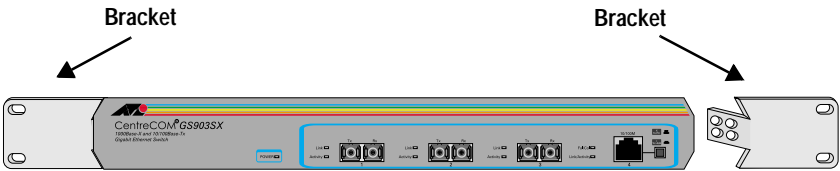


Figure 4 Attaching Rackmounting Brackets

3. Mount the switch into the rack using four large pan-head screws and nylon washers (provided).
4. Ensure that there is unrestricted air flow around the switch.



### Warning

The power cord is used as a disconnection device. To de-energize equipment, disconnect the power cord. *8*

5. Apply power to the switch by plugging the power cord into the rear of the unit and plugging the other end into a power outlet.

If the Power LED does not light green, refer to Chapter 3, Troubleshooting, for further information.

6. Connect the data cables and observe normal operation as indicated by the port LEDs. Refer to Table 1 on page 3 for LED information. For Port 4, set the MDI Button to the correct setting. Refer to Table 2 on page 4 for the MDI setting.

## Warranty Registration

When you finish the installation, register your product by completing the enclosed warranty card and sending it in, or by visiting our web site at **[www.alliedtelesyn.com/forms/warranty.htm](http://www.alliedtelesyn.com/forms/warranty.htm)** and completing the on-line registration.



# Chapter 3

## Troubleshooting

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This chapter provides information on how to detect and resolve problems with your switch. This chapter includes the following sections:

- ❑ How the Switch Reports Problems
- ❑ Network Cabling Problems
- ❑ Common Problems
- ❑ Calling Technical Support

### How the Switch Reports Problems

The LEDs indicate problems with the ports and power. See Table 1 on page 3 for a description of the switch LEDs.

### Network Cabling Problems

If you have 100Base-TX (Fast Ethernet), some network problems may be related to exceeding cabling distances. Refer to the standard IEEE 802.3u, Clause 29.3.1.2 on **Worst Case Path Delay Value**. This document specifies that the collision domain diameter must be within the following limits:

- ❑ Under 100 m (328 ft) for TX cabling

### Common Problems

This section lists common possible sources of error and actions required to correct them.

## Link /Activity LED on Any Port is OFF

This can indicate:

- A loose data cable.
- The device at the other end of the connection is turned OFF.
- The data cable is not wired correctly (straight/crossed) for the device.

Perform the following steps in sequence; you need not proceed to the next step if the problem is resolved:

1. Make sure the data cables are secure.
2. Make sure the device at the end of the connection is turned ON.
3. Make sure the data cable is wired correctly (straight/crossed) for the device.
4. Contact Allied Telesyn's Technical Support for help.

## Power LED is OFF

If there is no power to the switch, it cannot function.

A Power LED that is OFF can indicate:

- A loose power cord.
- Power supply failure, malfunction, or loss of power to the power supply.
- A power supply voltage below acceptable levels.
- A high switch temperature due to fan failure or extreme ambient temperature.

Perform the following steps in sequence; you need not proceed to the next step if the problem is resolved:

1. Secure the power cord to the power source and check the Power LED to see if it is ON.
2. Ensure that the voltage is within the required levels in your region.
3. Contact Allied Telesyn's Technical Support for help.



## Calling Technical Support

When contacting Allied Telesyn for support on any of its products, provide Technical Support with the following information:

- ❑ Model and serial number
- ❑ Description of the problem

Refer to page viii or visit our web site at **[www.alliedtelesyn.com](http://www.alliedtelesyn.com)** for a list of worldwide locations.



## *Appendix A*

# *Translated Safety and Emission Information*

---

**IMPORTANT:** This appendix contains multiple-language translations for the safety statements in this guide.

**WICHTIG:** Dieser Anhang enthält Übersetzungen der in diesem Handbuch enthaltenen Sicherheitshinweise in mehreren Sprachen.

**VIGTIGT:** Dette tillæg indeholder oversættelser i flere sprog af sikkerhedsadvarslerne i denne håndbog.

**BELANGRIJK:** Deze appendix bevat vertalingen in meerdere talen van de veiligheidsopmerkingen in deze gids.

**IMPORTANT:** Cette annexe contient la traduction en plusieurs langues des instructions de sécurité figurant dans ce guide.

**TÄRKEÄÄ:** Tämä liite sisältää tässä oppaassa esiintyvät turvaohjeet usealla kielellä.

**IMPORTANTE:** questa appendice contiene traduzioni in più lingue degli avvisi di sicurezza di questa guida.

**VIKTIG:** Dette tillegget inneholder oversettelser til flere språk av sikkerhetsinformasjonen i denne veiledningen.

**IMPORTANTE:** Este anexo contém traduções em vários idiomas das advertências de segurança neste guia.

**IMPORTANTE:** Este apéndice contiene traducciones en múltiples idiomas de los mensajes de seguridad incluidos en esta guía.

**OBS!** Denna bilaga innehåller flerspråkiga översättningar av säkerhetsmeddelandena i denna handledning.

**Standards:** This product meets the following standards.

### U.S. Federal Communications Commission

#### RADIATED ENERGY






Note: This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Note: Modifications or changes not expressly approved by the manufacturer or the FCC can void your right to operate this equipment.








### Canadian Department of Communications






This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.


-  **1** RFI Emission EN55022 Class A
-  **2**  **WARNING:** In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.
-  **3** Immunity EN50082-1
-  **4** Electrical Safety EN60950, UL1950, CSA 950

#### SAFETY






-  **5** This is a “**CLASS 1 LED PRODUCT**”.
-  **6**  **ELECTRICAL NOTICES**  
**WARNING: ELECTRIC SHOCK HAZARD**  
To prevent ELECTRIC shock, do not remove the cover. No user-serviceable parts inside. This unit contains HAZARDOUS VOLTAGES and should only be opened by a trained and qualified technician. To avoid the possibility of ELECTRIC SHOCK, disconnect electric power to the product before connecting or disconnecting the LAN cables.
-  **7**  **LIGHTNING DANGER**  
**DANGER: DO NOT WORK** on equipment or CABLES during periods of LIGHTNING ACTIVITY.
-  **8**  **CAUTION: POWER CORD IS USED AS A DISCONNECTION DEVICE.**  
TO DE-ENERGIZE EQUIPMENT, disconnect the power cord.




- 9  **ELECTRICAL - TYPE CLASS 1 EQUIPMENT**  
THIS EQUIPMENT MUST BE EARTHED. Power plug must be connected to a properly wired earth ground socket outlet. An improperly wired socket outlet could place hazardous voltages on accessible metal parts.
- 10  **PLUGGABLE EQUIPMENT**, the socket outlet shall be installed near the equipment and shall be easily accessible.
- 11  **CAUTION:** Air vents must not be blocked and must have free access to the room ambient air for cooling.
- 12  **OPERATING TEMPERATURE:** This product is designed for a maximum ambient temperature of 40° degrees C.
- 13  **ALL COUNTRIES:** Install product in accordance with local and National Electrical Codes.

**Normen:** Dieses Produkt erfüllt die Anforderungen der nachfolgenden Normen.

- 1 Hochfrequenzstörung EN55022 Klasse A
- 2  **WARNUNG:** Bei Verwendung zu Hause kann dieses Produkt Funkstörungen hervorrufen. In diesem Fall müßte der Anwender angemessene Gegenmaßnahmen ergreifen.
- 3 Störsicherheit EN50082-1
- 4 Elektrische Sicherheit EN60950, UL1950, CSA 950


### **SICHERHEIT**

- 5 Das ist ein "**LED Produkt der Klasse 1**"
- 6  **ACHTUNG: GEFÄHRLICHE SPANNUNG**  
Das Gehäuse nicht öffnen. Das Gerät enthält keine vom Benutzer wartbaren Teile. Das Gerät steht unter Hochspannung und darf nur von qualifiziertem technischem Personal geöffnet werden. Vor Anschluß der LAN-Kabel, Gerät vom Netz trennen.
- 7  **GEFAHR DURCH BLITZSCHLAG**  
**GEFAHR:** Keine Arbeiten am Gerät oder an den Kabeln während eines Gewitters ausführen.
- 8  **VORSICHT: DAS NETZKABEL DIENST ZUM TRENNEN DER STROMVERSORGUNG. ZUR TRENNUNG VOM NETZ, KABEL AUS DER STECKDOSE ZIEHEN.**
- 9  **GERÄTE DER KLASSE 1**  
**DIESE GERÄTE MÜSSEN GEERDET SEIN.** Der Netzstecker darf nur mit einer vorschriftsmäßig geerdeten Steckdose verbunden werden. Ein unvorschriftsmäßiger Anschluß kann die Metallteile des Gehäuses unter gefährliche elektrische Spannungen setzen.
- 10  **STECKBARES GERÄT:** Die Anschlußbuchse sollte in der Nähe der Einrichtung angebracht werden und leicht zugänglich sein."







- 11  **VORSICHT**  
Die Entlüftungsöffnungen dürfen nicht versperrt sein und müssen zum Kühlen freien Zugang zur Raumluft haben.
- 12  **BETRIEBSTEMPERATUR:** Dieses Produkt wurde für den Betrieb in einer Umgebungstemperatur von nicht mehr als 40° C entworfen.
- 13  **ALLE LÄNDER:** Installation muß örtlichen und nationalen elektrischen Vorschriften entsprechen.



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**Standarder:** Dette produkt tilfredsstiller de følgende standarder.


- 1 Radiofrekvens forstyrrelsesemission EN55022 Klasse A
- 2  **ADVARSEL:** I et hjemligt miljø kunne dette produkt forårsage radio forstyrrelse. Bliver det tilfældet, påkræves brugeren muligvis at tage tilstrækkelige foranstaltninger.
- 3 Immunitet EN50082-1
- 4 Elektrisk sikkerhed EN60950, UL1950, CSA 950

### **SIKKERHED**

- 5 Dette er et **"Produkt under Klasse 1 LED"**
- 6  **ELEKTRISKE FORHOLDSREGLER**  
**ADVARSEL: RISIKO FOR ELEKTRISK STØD**  
For at forebygge ELEKTRISK stød, undlad at åbne apparatet. Der er ingen indre dele, der kan repareres af brugeren. Denne enhed indeholder LIVSFARLIGE STRØMSPÆNDINGER og bør kun åbnes af en uddannet og kvalificeret tekniker. For at undgå risiko for ELEKTRISK STØD, afbrydes den elektriske strøm til produktet, før LAN-kablerne monteres eller afmonteres.
- 7  **FARE UNDER UVEJR**  
**FARE: UNDLAD** at arbejde på udstyr eller KABLER i perioder med LYNAKTIVITET.
- 8  **ADVARSEL: DEN STRØMFØRENDE LEDNING BRUGES TIL AT AFBRYDE STRØMMEN. SKAL STRØMMEN TIL APPARATET AFBRYDES,** tages ledningen ud af stikket.
- 9  **ELEKTRISK - KLASSE 1-UDSTYR**  
**DETTE UDSTYR KRÆVER JORDFORBINDELSE.** Stikket skal være forbundet med en korrekt installeret jordforbunden stikkontakt. En ukorrekt installeret stikkontakt kan sætte livsfarlig spænding til tilgængelige metaldele.
- 10  **UDSTYR TIL STIKKONTAKT,** stikkontakten bør installeres nær ved udstyret og skal være lettilgængelig.
- 11  **ADVARSEL:** Ventilationsåbninger må ikke blokeres og skal have fri adgang til den omgivende luft i rummet for afkøling.

- 12  **BETJENINGSTEMPERATUR:** Dette apparat er konstrueret til en omgivende temperatur på maksimum 40 grader C.
- 13  **ALLE LANDE:** Installation af produktet skal ske i overensstemmelse med lokal og national lovgivning for elektriske installationer.


**Eisen:** Dit product voldoet aan de volgende eisen.

- 1 RFI Emissie EN55022 Klasse A
- 2  **WAARSCHUWING:** Binnenshuis kan dit product radiostoring veroorzaken, in welk geval de gebruiker verplicht kan worden om gepaste maatregelen te nemen.
- 3 Immuniteit EN50082-1
- 4 Electricische Veiligheit EN60950, UL1950, CSA 950









### VEILIGHEID

- 5 Dit is een "**KLASSE 1 LED-PRODUKT**".
- 6  **WAARSCHUWINGEN MET BETREKKING TOT ELEKTRICITEIT**  
**WAARSCHUWING: GEVAAR VOOR ELEKTRISCHE SCHOKKE**  
Verwijder het deksel niet, teneinde ELEKTRISCHE schokken te voorkomen. Binnenin bevinden zich geen onderdelen die door de gebruiker onderhouden kunnen worden. Dit toestel staat onder GEVAARLIJKE SPANNING en mag alleen worden geopend door een daartoe opgeleide en bevoegde technicus. Om het gevaar op ELEKTRISCHE SCHOKKEN te vermijden, moet u het toestel van de stroombron ontkoppelen alvorens de LAN-kabels te koppelen of ontkoppelen.
- 7  **GEVAAR VOOR BLIKSEMINSLA**  
**GEVAAR: NIET** aan toestellen of KABELS WERKEN bij BLIKSEM.
- 8  **WAARSCHUWING: HET TOESTEL WORDT UITGESCHAKELD DOOR DE STROOMKABEL TE ONTKOPPELEN. OM HET TOESTEL STROOMLOOS TE MAKEN: de stroomkabel ontkoppelen.**
- 9  **ELEKTRISCHE TOESTELLEN VAN KLASSE 1**  
**DIT TOESTEL MOET GEAARD WORDEN.** De stekker moet aangesloten zijn op een juist geaarde contactdoos. Een onjuist geaarde contactdoos kan de metalen onderdelen waarmee de gebruiker eventueel in aanraking komt onder gevaarlijke spanning stellen.
- 10  **AAN TE SLUITEN APPARATUUR,** de contactdoos wordt in de nabijheid van de apparatuur geïnstalleerd en is gemakkelijk te bereiken."
- 11  **OPGELET:** De ventilatiegaten mogen niet worden gesperd en moeten de omgevingslucht ongehinderd toelaten voor afkoeling.
- 12  **BEDRIJFSTEMPERATUUR:** De omgevingstemperatuur voor dit produkt mag niet meer bedragen dan 40 graden Celsius.
- 13  **ALLE LANDEN:** het toestel installeren overeenkomstig de lokale en nationale elektrische voorschriften.

**Normes:** ce produit est conforme aux normes de suivantes:


- 🌀 1 Emission d'interférences radioélectriques EN55022 Classe A
- 🌀 2  **MISE EN GARDE** : dans un environnement domestique, ce produit peut provoquer des interférences radioélectriques. Auquel cas, l'utilisateur devra prendre les mesures adéquates.
- 🌀 3 Immunité EN50082 - 1
- 🌀 4 Sécurité électrique EN60950, UL1950, CSA 950

### **SÉCURITÉ**









- 🌀 5 Ce matériel est un "**PRODUIT À DIODE ÉLECTROLUMINESCENTE DE CLASSE 1**".
- 🌀 6  **INFORMATION SUR LES RISQUES ÉLECTRIQUES**  
**AVERTISSEMENT: DANGER D'ÉLECTROCUTION**  
Pour éviter toute ÉLECTROCUTION, ne pas ôter le revêtement protecteur du matériel. Ce matériel ne contient aucun élément réparable par l'utilisateur. Il comprend des TENSIONS DANGEREUSES et ne doit être ouvert que par un technicien dûment qualifié. Pour éviter tout risque d'ÉLECTROCUTION, débrancher le matériel avant de connecter ou de déconnecter les câbles LAN.
- 🌀 7  **DANGER DE Foudre**  
**DANGER: NE PAS MANIER** le matériel ou les CÂBLES lors d'activité orageuse.
- 🌀 8  **ATTENTION: LE CORDON D'ALIMENTATION SERT DE MISE HORS CIRCUIT. POUR COUPER L'ALIMENTATION DU MATÉRIEL,** débrancher le cordon.
- 🌀 9  **ÉQUIPEMENT DE CLASSE 1 ÉLECTRIQUE**  
**CE MATÉRIEL DOIT ÊTRE MIS A LA TERRE.** La prise de courant doit être branchée dans une prise femelle correctement mise à la terre car des tensions dangereuses risqueraient d'atteindre les pièces métalliques accessibles à l'utilisateur.
- 🌀 10  **EQUIPEMENT POUR BRANCHEMENT ELECTRIQUE,** la prise de sortie doit être placée près de l'équipement et facilement accessible".
- 🌀 11  **ATTENTION: Ne pas bloquer les fentes d'aération,** ceci empêcherait l'air ambiant de circuler librement pour le refroidissement.
- 🌀 12  **TEMPÉRATURE DE FONCTIONNEMENT:** Ce matériel est capable de tolérer une température ambiante maximum de ou 40 degrés Celsius.
- 🌀 13  **POUR TOUS PAYS:** Installer le matériel conformément aux normes électriques nationales et locales.




**Standardit:** Tämä tuote on seuraavien standardien mukainen.

- 1 Radioaaltojen häirintä EN55022 Luokka A
- 2  **VAROITUS:** Kotiolosuhteissa tämä laite voi aiheuttaa radioaaltojen häirintää, missä tapauksessa laitteen käyttäjän on mahdollisesti ryhdyttävä tarpeellisiin toimenpiteisiin.
- 3 Kestävyys EN50082-1
- 4 Sähköturvallisuus EN60950, UL1950, CSA 950









### TURVALLISUUS

- 5 Tämä on "ENSIMMÄISEN LUOKAN VALODIODITUOTE".
- 6  **SÄHKÖÖN LIITTYVIÄ HUOMAUTUKSIA**  
**VAROITUS: SÄHKÖISKUVAARA**  
Estääksesi SÄHKÖISKUN älä poista kantta. Sisällä ei ole käyttäjän huollettavissa olevia osia. Tämä laite sisältää VAARALLISIA JÄNNITTEITÄ ja sen voi avata vain koulutettu ja pätevä tekniikko. Vältäaksesi SÄHKÖISKUN mahdollisuuden katkaise sähkövirta tuotteeseen ennen kuin liität tai irrotat paikallisverkon (LAN) kaapelit.
- 7  **SALAMANISKUVAARA**  
**HENGENVAARA: ÄLÄ TYÖSKENTELE** laitteiden tai KAAPELEIDEN KANSSA SALAMOINNIN AIKANA.
- 8  **HUOMAUTUS: VIRTAJOHTOA KÄYTETÄÄN**  
VIRRANKATKAISULAITTEENA. VIRTA KATKAISTAAN irrottamalla virtajohto.
- 9  **SÄHKÖ - TYYPPILUOKAN 1 LAITTEET**  
TÄMÄ LAITE TÄYTYY MAADOITTAA. Pistoke täytyy liittää kunnollisesti maadoitettuun pistorasiaan. Virheellisesti johdotettu pistorasia voi altistaa metalliosat vaarallisille jännitteille.
- 10  **PISTORASIAAN KYTKETTÄVÄ LAITE;** pistorasia on asennettava laitteen lähelle ja siihen on oltava esteetön pääsy."
- 11  **HUOMAUTUS:** Ilmavaihtoreikiä ei pidä tukkia ja niillä täytyy olla vapaa yhteys ympäröivään huoneilmaan, jotta ilmanvaihto tapahtuisi.
- 12  **KÄYTTÖLÄMPÖTILA:** Tämä tuote on suunniteltu ympäröivän ilman maksimilämpötilalle 40°C.
- 13  **KAIKKI MAAT:** Asenna tuote paikallisten ja kansallisten sähköturvallisuusmääräysten mukaisesti.


**Standard:** Questo prodotto è conforme ai seguenti standard.

- 🌀 1 Emissione RFI (interferenza di radiofrequenza) EN55022 Classe A
- 🌀 2  **AVVERTENZA:** in ambiente domestico questo prodotto potrebbe causare radio interferenza. In questo caso potrebbe richiedersi all'utente di prendere gli adeguati provvedimenti.
- 🌀 3 Immunità EN50082-1
- 🌀 4 Sicurezza elettrica EN60950, UL1950, CSA 950









#### **NORME DI SICUREZZA**

- 🌀 5 Questo è un "**PRODOTTO CON LED DI CLASSE 1**".
- 🌀 6  **AVVERTENZE ELETTRICHE**  
**ATTENZIONE: PERICOLO DI SCOSSE ELETTRICHE**  
Per evitare SCOSSE ELETTRICHE non asportare il coperchio. Le componenti interne non sono riparabili dall'utente. Questa unità ha TENSIONI PERICOLOSE e va aperta solamente da un tecnico specializzato e qualificato. Per evitare ogni possibilità di SCOSSE ELETTRICHE, interrompere l'alimentazione del dispositivo prima di collegare o staccare i cavi LAN.
- 🌀 7  **PERICOLO DI FULMINI**  
**PERICOLO: NON LAVORARE** sul dispositivo o sui CAVI durante PRECIPITAZIONI TEMPORALESCHIE.
- 🌀 8  **ATTENZIONE: IL CAVO DI ALIMENTAZIONE È USATO COME DISPOSITIVO DI DISATTIVAZIONE. PER TOGLIERE LA CORRENTE AL DISPOSITIVO** staccare il cavo di alimentazione.
- 🌀 9  **ELETTRICITÀ - DISPOSITIVI DI CLASSE 1**  
**QUESTO DISPOSITIVO DEVE AVERE LA MESSA A TERRA.** La spina deve essere inserita in una presa di corrente specificamente dotata di messa a terra. Una presa non cablata in maniera corretta rischia di scaricare una tensione pericolosa su parti metalliche accessibili.
- 🌀 10  **APPARECCHIATURA COLLEGABILE**, la presa va installata vicino all'apparecchio per risultare facilmente accessibile".
- 🌀 11  **ATTENZIONE:** le prese d'aria non vanno ostruite e devono consentire il libero ricircolo dell'aria ambiente per il raffreddamento.
- 🌀 12  **TEMPERATURA DI FUNZIONAMENTO:** Questo prodotto è concepito per una temperatura ambientale massima di 40 gradi centigradi.
- 🌀 13  **TUTTI I PAESI:** installare il prodotto in conformità delle vigenti normative elettriche nazionali.


**Sikkerhetsnormer:** Dette produktet tilfredsstiller følgende sikkerhetsnormer.

- 1 RFI stråling EN55022 Klasse A
- 2  **ADVARSEL:** Hvis dette produktet benyttes til privat bruk, kan produktet forårsake radioforstyrrelse. Hvis dette skjer, må brukeren ta de nødvendige forholdsregler.
- 3 Immunitet EN50082-1
- 4 Elektrisk sikkerhet EN60950, UL1950, CSA 950









### SIKKERHET

- 5 Dette er et "**KLASSE 1 LED PRODUKT**".
- 6  **ELEKTRISITET**  
**ADVARSEL: FARE FOR ELEKTRISK SJOKK**  
For å unngå ELEKTRISK sjokk, må dekslet ikke tas av. Det finnes ingen deler som brukeren kan reparere på innsiden. Denne enheten inneholder FARLIGE SPENNINGER, og må kun åpnes av en faglig kvalifisert tekniker. For å unngå ELEKTRISK SJOKK må den elektriske strømmen til produktet være avslått før LAN-kablene til- eller frakobles.
- 7  **FARE FOR LYNNEDSLAG**  
**FARE:** ARBEID IKKE på utstyr eller KABLER i TORDENVÆR.
- 8  **FORSIKTIG: STRØMLEDNINGEN BRUKES TIL Å FRAKOBLE** UTSTYRET. FOR Å DEAKTIVISERE UTSTYRET, må strømforsyningen kobles fra.
- 9  **ELEKTRISK - TYPE 1- KLASSE UTSTYR**  
**DETTE UTSTYRET MÅ JORDES.** Strømkontakten må være tilkople en korrekt jordet kontakt. En kontakt som ikke er korrekt jordet kan føre til farlig spenninger i lett t ilgjengelige metalldelel.
- 10  **UTSTYR FOR STIKKONTAKT.** Stikkontakten skal monteres i nærheten av utstyret og skal være lett tilgjengelig."
- 11  **FORSIKTIG:** Lufteventilene må ikke blokkeres, og må ha fri tilgang til luft med romtemperatur for avkjøling.
- 12  **DRIFTSTEMPERATUR:** Dette produktet er konstruert for bruk i maksimum romtemperatur på 40 grader celsius.
- 13  **ALLE LAND:** Produktet må installeres i samsvar med de lokale og nasjonale elektriske koder.


**Padrões:** Este produto atende aos seguintes padrões.

- 🌀 1 Emissão de interferência de radiofrequência EN55022 Classe A
- 🌀 2  **AVISO:** Num ambiente doméstico este produto pode causar interferência na radiorrecepção e, neste caso, pode ser necessário que o utente tome as medidas adequadas.
- 🌀 3 Imunidade EN50082-1
- 🌀 4 Segurança Eléctrica EN60950, UL1950, CSA 950









### SEGURANÇA

- 🌀 5 Este é um "**PRODUTO CLASSE 1 LED**".
- 🌀 6  **AVISOS SOBRE CARACTERÍSTICAS ELÉTRICAS**  
**ATENÇÃO: PERIGO DE CHOQUE ELÉTRICO**  
Para evitar CHOQUE ELÉTRICO, não retire a tampa. Não contém peças que possam ser consertadas pelo usuário. Este aparelho contém VOLTAGENS PERIGOSAS e só deve ser aberto por um técnico qualificado e treinado. Para evitar a possibilidade de CHOQUE ELÉTRICO, desconecte o aparelho da fonte de energia elétrica antes de conectar e desconectar os cabos da LAN.
- 🌀 7  **PERIGO DE CHOQUE CAUSADO POR RAI**  
**PERIGO: NÃO TRABALHE** no equipamento ou nos CABOS durante períodos suscetíveis a QUEDAS DE RAI.
- 🌀 8  **CUIDADO: O CABO DE ALIMENTAÇÃO É UTILIZADO COMO UM DISPOSITIVO DE DESCONEXÃO. PARA DESELETRIFICAR O EQUIPAMENTO,** desconecte o cabo de ALIMENTAÇÃO.
- 🌀 9  **ELÉTRICO - EQUIPAMENTOS DO TIPO CLASSE 1 DEVE SER FEITA LIGAÇÃO DE FIO TERRA PARA ESTE EQUIPAMENTO.** O plugue de alimentação deve ser conectado a uma tomada com adequada ligação de fio terra. Tomadas sem adequada ligação de fio terra podem transmitir voltagens perigosas a peças metálicas expostas.
- 🌀 10  **EQUIPAMENTO DE LIGAÇÃO,** a tomada eléctrica deve estar instalada perto do equipamento e ser de fácil acesso."
- 🌀 11  **CUIDADO:** As aberturas de ventilação não devem ser bloqueadas e devem ter acesso livre ao ar ambiente para arrefecimento adequado do aparelho.
- 🌀 12  **TEMPERATURA DE FUNCIONAMENTO:** Este produto foi projetado para uma temperatura ambiente máxima de 40 graus centígrados.
- 🌀 13  **TODOS OS PAÍSES:** Instale o produto de acordo com as normas nacionais e locais para instalações elétricas.


**Estándares:** Este producto cumple con los siguientes estándares.

- 1 Emisión RFI EN55022 Clase A
- 2  **ADVERTENCIA:** en un entorno doméstico, este producto puede causar radiointerferencias, en cuyo caso, puede requerirse del usuario que tome las medidas que sean convenientes al respecto.
- 3 Inmunidad EN50082-1
- 4 Seguridad eléctrica EN60950, UL1950, CSA 950









## SEGURIDAD

- 5 Este es un "**PRODUCTO DE DIODO LUMINISCENTE (LED) CLASE 1**"
- 6  **AVISOS ELECTRICOS**  
**ADVERTENCIA: PELIGRO DE ELECTROCHOQUE**  
Para evitar un ELECTROCHOQUE, no quite la tapa. No hay ningún componente en el interior al cual puede prestar servicio el usuario. Esta unidad contiene VOLTAJES PELIGROSOS y sólo deberá abrirla un técnico entrenado y calificado. Para evitar la posibilidad de ELECTROCHOQUE desconecte la corriente eléctrica que llega al producto antes de conectar o desconectar los cables LAN.
- 7  **PELIGRO DE RAYOS**  
**PELIGRO:** NO REALICE NINGUN TIPO DE TRABAJO O CONEXIO en los equipos o en LOS CABLES durante TORMENTAS ELECTRICAS.
- 8  **ATENCION:** EL CABLE DE ALIMENTACION SE USA COMO UN DISPOSITIVO DE DESCONEXION. PARA DESACTIVAR EL EQUIPO, desconecte el cable de alimentación.
- 9  **ELECTRICO - EQUIPO DEL TIPO CLASE 1**  
**ESTE EQUIPO TIENE QUE TENER CONEXION A TIERRA.** El cable tiene que conectarse a un enchufe a tierra debidamente instalado. Un enchufe que no está correctamente instalado podría ocasionar tensiones peligrosas en las partes metálicas que están expuestas.
- 10  **EQUIPO CONECTABLE,** el tomacorriente se debe instalar cerca del equipo, en un lugar con acceso fácil".
- 11  **ATENCION:** Las aberturas para ventilación no deberán bloquearse y deberán tener acceso libre al aire ambiental de la sala para su enfriamiento.
- 12  **TEMPERATURA REQUERIDA PARA LA OPERACIÓN:** Este producto está diseñado para una temperatura ambiental máxima de 40 grados C.
- 13  **PARA TODOS LOS PAÍSES:** Monte el producto de acuerdo con los Códigos Eléctricos locales y nacionales.

**Standarder:** Denna produkt uppfyller följande standarder.

- 🌀 1 Radiostörning EN55022 Klass A
- 🌀 2  **WARNING:** Denna produkt kan ge upphov till radiostörningar i hemmet, vilket kan tvinga användaren till att vidtaga erforderliga åtgärder.
- 🌀 3 Immunitet EN50082-1
- 🌀 4 Elsäkerhet EN60950, UL1950, CSA 950

### **SÄKERHET**

- 🌀 5 Detta är en "**KLASS 1 LYSDIODPRODUKT**".
- 🌀 6  **TILLKÄNNAGIVANDEN BETRÄFFANDE ELEKTRICITETSRIK:** RISK FÖR ELEKTRISK STÖT För att undvika ELEKTRISK stöt, ta ej av locket. Det finns inga delar inuti som behöver underhållas. Denna apparat är under HÖGSPÄNNING och får endast öppnas av en utbildad kvalificerad tekniker. För att undvika ELEKTRISK STÖT, koppla ifrån produktens strömanslutning innan LAN-kablarna ansluts eller kopplas ur.
- 🌀 7  **FARA FÖR BLIXTNEDSLAG**  
**FARA:** ARBETA EJ på utrustningen eller kablarna vid ÅSKVÄDER.
- 🌀 8  **WARNING:** NÄTKABELN ANVÄNDS SOM STRÖMBRYTARE FÖR ATT KOPPLA FRÅN STRÖMMEN, dra ur nätkabeln.
- 🌀 9  **ELEKTRISKT - TYP KLASS 1 UTRUSTNING**  
DENNA UTRUSTNING MÅSTE VARA JORDAD. Nätkabeln måste vara ansluten till ett ordentligt jordat uttag. Ett felaktigt uttag kan göra att närliggande metalldelar utsätts för högspänning. Apparaten skall anslutas till jordat uttag, när den ansluts till ett nätverk.
- 🌀 10  **UTRUSTNING MED PLUGG.** Uttaget skall installeras i utrustningens närhet och vara lättåtkomligt".
- 🌀 11  **WARNING:** Luftventilerna får ej blockeras och måste ha fri tillgång till omgivande rumsluft för avsvälning.
- 🌀 12  **DRIFTSTEMPERATUR:** Denna produkt är konstruerad för rumstemperatur ej överstigande 40 grader Celsius.
- 🌀 13  **ALLA LÄNDER:** Installera produkten i enlighet med lokala och statliga bestämmelser för elektrisk utrustning.

# ***Appendix B***

## ***Technical Specifications***

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### **Physical Specifications**

Dimensions (W x D x H):	341 mm x 231 mm x 43 mm (13.3 in x 9 in x 1.69 in)
Weight:	2.3 kg (5.1 lb)

### **Environmental Specifications**

Operating Temperature:	0° C to 40° C (32° to 104° F)
Storage Temperature:	-20° C to 60° C (-4° to 140° F)
Operating Humidity:	10% to 90% non-condensing
Non-operating Humidity:	10% to 95% non-condensing

### **Power Specifications**

Maximum Power Consumption:	23 W
AC Input Voltage:	100-120/200-240VAC, 50/60Hz

### **Agency Compliance**

Standard:	IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z
EMI/RFI:	Meets FCC Class A, EN55022 Class A
Safety:	Conforms to UL 1950, CSA C22.2 No. 950, TUV EN 60950
Immunity:	Conforms to EN50082-1
CE Compliant	





*Appendix C*

***Technical Support Fax Order***

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**Name** \_\_\_\_\_

**Company** \_\_\_\_\_

**Address** \_\_\_\_\_

**City** \_\_\_\_\_ **State/Province** \_\_\_\_\_

**Zip/Postal Code** \_\_\_\_\_ **Country** \_\_\_\_\_

**Phone** \_\_\_\_\_ **Fax** \_\_\_\_\_

**Incident Summary**

**Model number of Allied Telesyn product I am using** \_\_\_\_\_

**Firmware release number of Allied Telesyn product** \_\_\_\_\_

**Other network software products I am using (e.g., network managers)**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Brief summary of problem** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**Conditions (List the steps that led up to the problem.)** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Detailed description (Please use separate sheet)**

**Please also fax printouts of relevant files such as batch files and configuration files. When completed, fax this sheet to the appropriate Allied Telesyn office. Fax numbers can be found on page viii.**



## Appendix D

# AT-GS903SX Installation Guide Feedback

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Please tell us what additional information you would like to see discussed in this guide. If there are topics you would like information on that were not covered in this guide, please photocopy this page, answer the questions and fax or mail this form back to Allied Telesyn. The mailing address and fax number are at the bottom of the page. Your comments are valuable when we plan future revisions of this guide.

I found the following the most valuable \_\_\_\_\_

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I would like the following more developed \_\_\_\_\_

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I would find this guide more useful if \_\_\_\_\_

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Please fax or mail your feedback. Fax to 1-408-736-0100. Or mail to:  
Allied Telesyn International, Corp.  
c/o Technical Communications  
960 Stewart Drive, Suite B  
Sunnyvale, CA 94086 USA

PN 613-10842-00 Rev C

