

SAMSUNG TECHWIN

네트워크 스위치

제품 설치 매뉴얼

SPN-12080P/SPN-14240P



SAMSUNG

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네트워크 스위치

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- 시스템 운용과 관련 없는 프로그램을 실행하여 시스템이 잘못된 동작을 한 경우
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개요

안전을 위한 주의사항

제품을 올바르게 사용하여 위험이나 재산상의 피해를 미리 막기 위한 내용으로 반드시 지켜주시기 바랍니다.

 경고	지키지 않았을 경우 사용자가 사망하거나 중상을 입을 수 있습니다.	 주의	지키지 않았을 경우 사용자가 부상을 당하거나 재산상의 손해를 입을 수 있습니다.
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전원 관련



경고

전원 및 신호선 연결시 외부 연결 단자를 확인하시고 연결하세요.
AC 전원 입력 단자에 AC 어댑터를 올바르게 연결하세요.

전원을 잘못 연결하면 화재, 감전, 고장의 원인이 됩니다.

연기가 나거나 이상한 냄새가 날 때는 사용을 중단하세요.
이 때는 곧바로 전원을 분리 후 서비스 센터에 연락해 주세요.

그대로 계속 사용하면 화재, 감전의 원인이 됩니다.



주의

전원 연결단자에 전원선을 확실하게 고정 후 사용하세요.

접속이 불완전한 경우는 화재의 원인이 됩니다.

설치 관련



경고

어댑터는 반드시 본 제품의 전원 규격을 만족하는 제품을 사용하세요.

화재, 감전, 고장의 원인이 됩니다.

천둥, 번개가 치면 스위치에 문제가 생길 수 있습니다.

설치시 접지 등 낙뢰에 의한 파손이 최소화될 수 있도록 주의하세요.

개요

⚠ 주의

스위치를 선반 혹은 랙에 설치 시
안전하고 확실하게 고정하세요.

낙하로 인한 부상의 원인이
됩니다.

스위치 위에 전도성 물질(드라이버,
동전, 쇠파이 등) 및 물이 차있는
용기 등을 놓지 마세요.

화재, 감전, 낙하로 인한 상해의
원인이 됩니다.

하나의 콘센트에 여러 대의 스위치
를 연결해서 사용하지 마세요.

용량 초과 시 이상 발열 및 화재의
원인이 됩니다.

비, 물에 노출되는 곳에 설치하지
마세요.

스위치 내부에 물이 들어가면
고장의 원인이 됩니다.

참 고

습기, 먼지나 그을음 등이 많은
장소에 설치하지 마세요.

화재, 감전의 원인이 됩니다.

제품에 물건을 떨어뜨리거나
충격을 주지 마세요. 진동이 심한
곳이나 자석 종류가 있는
곳으로부터 멀리해 주세요.

온도가 너무 높은 곳(50℃ 이상)
이나 낮은 곳(SPN-12080P 0℃ /
SPN-14240P 영하 10℃ 이하), 습도
가 많은 곳에 설치하지 마세요.

화재, 감전의 원인이 됩니다.

직사광선이 들어오는 곳이나
난방기구 등 열이 나는 곳을 피해
주세요.

화재, 감전의 원인이 됩니다.

설치된 제품을 이동하고자 할 때에
는 반드시 전원을 끄고 옮기거나
재설치 하세요.

화재, 감전의 원인이 됩니다.

바람이 잘 통하는 곳에
설치하세요.

화재 및 고장의 원인이 될 수
있습니다.

청소 관련

참 고

청소 시 제품의 각 부분에 직접
물을 뿌리지 마세요.

화재, 감전, 고장의 원인이 됩니다.

제품 표면은 마른 수건으로 가볍게
닦아 주세요. 화학 약품이나 세척제
등은 표면을 변질시키고 철을 벗겨
지게 하므로 절대 사용하지 마세요.

설치 및 사용상 주의사항

- 사용자 임의로 스위치를 분해하지 마세요.
- 스위치 취급 시 항상 주의하세요.
- 스위치를 주먹으로 치거나 흔들지 않도록 하고 부주의한 보관이나 오동작으로 스위치에 손상을 입히지 않도록 주의하세요.
- 스위치를 비가 오는 장소나 습기가 많은 장소에 설치하지 않도록 주의하고 젖은 장소에 두고 동작하지 마세요.
- 스위치의 몸체를 강력 연마제 등으로 세척하지 말고 더러워졌을 때에는 마른 헝겊을 이용하여 몸체를 닦아내세요.
- 스위치를 직사광선이 비치지 않는 서늘한 곳에 설치하세요.
- 직사광선이 비치는 곳에 두면 제품에 좋지 않은 영향을 줄 수 있습니다.
- 선반 및 랙에 스위치 설치시 스위치 주변에 충분한 통풍 공간을 확보하여 주세요.
- 초기 비밀번호는 보안상 취약점이 있습니다. 변경하여 사용할 것을 권장합니다.



삼성테크윈은 지구환경보전을 위하여 제품과 관련된 전 과정에서 환경을 고려하고 있으며, 고객에게 보다 친환경적인 제품을 제공하기 위하여 다양한 활동을 추진하고 있습니다. 에코(Eco) 마크는 친환경 제품을 만들기 위한 삼성테크윈의 의지이며, 유럽의 환경규제(RoHS)에 만족하는 제품임을 의미합니다.

설치 매뉴얼 개요

삼성 PoE 스위치의 단계별 설치 방법 및 안전에 관한 사항 등이 설명되어 있습니다. 사용된 참고 그림은 실제 제품과 다소 차이가 있을 수 있습니다.

1. 구성품 확인하기

제품 박스를 열어 구성품의 내용을 확인하고 구성품 중에 손상되거나 누락된 품목은 없는지 확인합니다. 혹시라도 이상이 발견된 경우에는 해당 제품의 구입처를 통해 제품을 교체받으시길 권장드립니다.



〈제품본체 (*해당 모델)〉



〈랙마운트 브라켓〉



〈전원 케이블〉



〈설치매뉴얼 / CD〉

2. 설치 주의 사항 확인

- ① 전원 케이블에 이상이 없는지 확인하신 후, 스위치에 전원을 연결하여 주십시오.
- ② 본 스위치 장비의 주위로 방열을 위한 충분한 공간을 확보하여 주십시오.
- ③ 제품의 상단에 무거운 물건을 올려두지 마십시오.

책상 혹은 선반에 설치하는 경우

책상위나 선반에 본 스위치 장비를 설치하는 경우, 제품에 동봉된 고무받침을 각 모서리에 부착하여 주십시오. 또한, 제품의 주변으로 충분한 환풍 공간을 확보하여 주십시오.



그림 1. 고무받침 부착

랙에 설치하는 경우

본 스위치는 19인치 표준랙 (EIA 표준) 에 장착할 수 있도록 되어 있습니다. 제품의 측면에 랙마운트 브라켓을 나사로 부착하여 주십시오.



그림 2. 랙마운트 브라켓 부착

랙에서 제공되는 나사를 이용하여 스위치를 랙에 장착합니다.

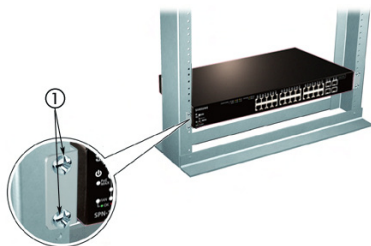


그림 3. 표준랙에 스위치 장착

3. 전원 케이블 연결

스위치에 전원을 연결합니다.



그림 4. 스위치 전원 연결

정전시 주의사항

정전시에는 스위치에 연결된 전원 케이블을 우선 분리하여 주십시오. 전원이 재인가된 후, 스위치 전원을 다시 연결합니다.

스위치 장비 관리

본 PoE 스위치는 Telnet 을 이용하여 관리할 수 있으며, 또한, 웹 브라우저를 이용하여 설정화면에 접속하여 쉽게 관리하실 수 있습니다.

PC 를 이용하거나 별도의 SNMP 프로그램을 이용하여 관리하고자 할 경우 스위치와 해당 PC 의 네트워크 주소를 동일한 대역으로 설정하여 주십시오.

본 매뉴얼 상에서는 웹 브라우저를 이용한 설정화면 접속방법을 설명합니다.

웹 브라우저를 이용한 설정화면 접속

설치를 완료한 후, 다음과 같이 웹 브라우저를 이용하여 스위치의 설정을 진행/수정하실 수 있습니다.

- Netscape Navigator (버전 6.2 이상)
- Microsoft Internet Explorer (버전 5.0 이상)

설정에 필요한 장비

- RJ-45 이더넷 연결이 가능한 PC
- 표준 이더넷 케이블

1 단계

설정에 사용할 PC를 스위치의 포트에 연결합니다.
(연결할 포트는 별도로 구분하실 필요는 없습니다.)

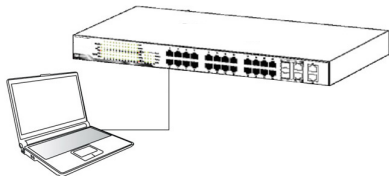


그림 5. 스위치에 PC 연결

2 단계

연결된 PC 의 IP 주소를 스위치와 동일한 네트워크 대역으로 고정 설정합니다.

본 스위치 장비의 기본 IP 주소는 10.90.90.90 입니다.

이에, PC 의 IP 주소를 10.x.y.z 로 설정하여 주십시오.

(x / y 는 0 ~ 254 사이의 숫자; z 는 1 ~ 254 사이의 숫자)
서브넷 마스크 값은 255.0.0.0 으로 입력하시면 됩니다.

웹 브라우저를 실행하고 인터넷 주소 입력란에
`http://10.90.90.90` (스위치 기본 IP 주소)를 입력하고 이동
(엔터) 합니다.

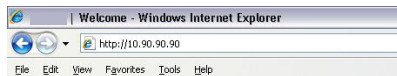


그림 6. 웹 브라우저에 10.90.90.90 입력

참고:

스위치의 기본 IP 주소는 10.90.90.90 이며
서브넷 마스크는 255.0.0.0 /기본 게이트웨이
값은 0.0.0.0 입니다.

3 단계

다음과 같은 로그인 창이 뜨며, Password 란에 "admin" 을
입력하고 OK 버튼을 클릭합니다.

본 스위치의 설정화면으로 접속됩니다.



그림 7. 로그인

4 단계

설정화면 접속시 Smart Wizard 가 실행됩니다.

스위치 운용을 위한 기본 사항을 설정하는 것으로 IP Settings Password Settings, SNMP Settings 단계로 설정이 진행됩니다.

변경하지 않으시려면, Exit 버튼을 클릭하여

Smart Wizard 를 종료합니다.

Telnet 을 이용한 관리

Telnet 을 이용하여 스위치에 접속하실 수 있습니다.

동일하게 스위치의 포트(포트 구분 없음) 와 PC 를 이더넷 케이블로 연결합니다.

PC 에서 [시작] > [프로그램] > [보조 프로그램] > [명령 프롬프트] 를 실행합니다.

콘솔 화면에서 telnet 10.90.90.90 을 입력하고 엔터합니다.

기본 user name 과 password 는 "admin" 입니다.

SNMP 를 이용한 관리

SNMP 호환 프로그램을 이용하여 관리하실 수 있습니다.

다만, 본 PoE 스위치는 SNMP 기능이 기본으로 꺼져 있는 상태입니다.

SNMP 연동전 웹브라우저를 이용/설정화면에 접속하여 해당 기능을 켜주십시오.

IP PTZ 카메라 연결시 유의사항

1. PTZ 카메라 연결 포트 선택

▶ SPN-12080P 는 1~8번 포트가 모두 IEEE 802.3at (최대 30W) 가 지원되므로 전포트로 PTZ 카메라를 연결하실 수 있습니다.

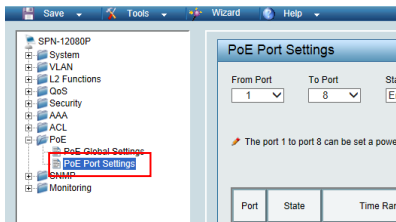
▶ SPN-14240P 는 1~4번 포트만 IEEE 802.3at 를 지원하여 반드시 PTZ 카메라를 1~4번 포트에 연결하여 주십시오.

2. 연결한 포트의 PoE Class 를 Class 4 로 설정

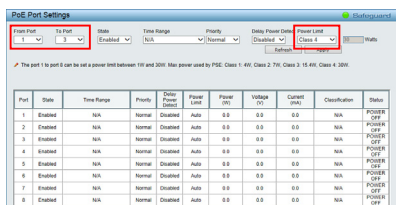
PTZ 카메라의 안정적인 PoE 전력 공급을 위하여 PoE Class 값을 Class 4 로 설정하여 주십시오.
(기본 Class 값 : Auto)

① 설정화면으로 접속하여

[PoE] ▶ [PoE Port Settings] 메뉴를 클릭합니다.



② From Port 와 To Port 를 PTZ 카메라가 연결된 포트를 선택하고 Power Limit 값을 Class 4 로 선택합니다.



③ [Apply] 버튼을 클릭하면 아래와 같이 적용됩니다.

Port	State	Time Range	Priority	Delay Power Delay	Power Limit	Power (W)	Voltage (V)	Current (mA)	Classification	Status
1	Enabled	N/A	Normal	Disabled	Class 4	0.0	0.0	0.0	N/A	POWER OFF
2	Enabled	N/A	Normal	Disabled	Class 4	0.0	0.0	0.0	N/A	POWER OFF
3	Enabled	N/A	Normal	Disabled	Class 4	0.0	0.0	0.0	N/A	POWER OFF
4	Enabled	N/A	Normal	Disabled	Class 4	0.0	0.0	0.0	N/A	POWER OFF
5	Enabled	N/A	Normal	Disabled	Class 4	0.0	0.0	0.0	N/A	POWER OFF
6	Enabled	N/A	Normal	Disabled	Class 4	0.0	0.0	0.0	N/A	POWER OFF
7	Enabled	N/A	Normal	Disabled	Class 4	0.0	0.0	0.0	N/A	POWER OFF
8	Enabled	N/A	Normal	Disabled	Class 4	0.0	0.0	0.0	N/A	POWER OFF

- ④ 본 설정을 유지하기 위하여 상단의 [Save] 메뉴의 [Save Configuration] 을 클릭합니다.
[Save Config] 버튼을 클릭하여 저장합니다.



About This Guide

This guide gives step-by-step instructions for setting up all Samsung PoE switches and relative Warranty, Safety, Regulatory, and Environment Notice. Please note that the model you have purchased may appear slightly different from those shown in the illustrations.

Step 1 – Unpacking

Open the shipping carton and carefully unpack its contents. Please consult the packing list located in the User Guide to make sure all items are present and undamaged. If any item is missing or damaged, please contact your local reseller for replacement.



<PoE Switch>



<Rack Mounting Bracket>



<Power Cord>



<Started Guide & CD>

Step 2 – Switch Installation

For safe switch installation and operation, it is recommended that you:

- Visually inspect the power cord to see that it is secured fully to the AC power connector.
- Make sure that there is proper heat dissipation and adequate ventilation around the switch.
- Do not place heavy objects on the switch

Desktop or Shelf Installation

When installing the switch on a desktop or shelf, the rubber feet included with the device must be attached on the bottom at each corner of the device's base. Allow enough ventilation space between the device and the objects around it.



Figure 1. Attaching the rubber feet

Rack Installation

The switch can be mounted in an EIA standard size 19-inch rack, which can be placed in a wiring closet with other equipment. To install, attach the mounting brackets to the switch's side panels (one on each side) and secure them with the screws provided.



Figure 2. Attaching the mounting brackets

Then, use the screws provided with the equipment rack to mount the switch in the rack.

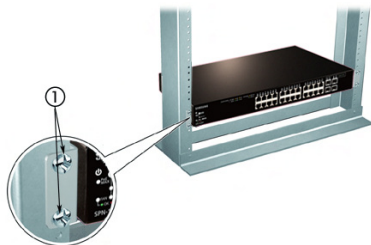


Figure 3. Installing the switch in a standard-sized equipment rack

Step 3 – Plug in the AC Power Cord

You can now connect the AC power cord into the rear of the switch and to an electrical outlet (preferably one that is grounded and surge protected).



Figure 4. Plugging the switch into an outlet

Power Failure

As a precaution, the switch should be unplugged in case of power failure. When power is resumed, plug the switch back in.

Management Options

This PoE Smart Switch can be managed in-band by using Telnet. The user may also choose the Web-based Management, accessible through a web browser.

If you want to manage only one PoE Switch, the Web-Based Management is the better option. Each switch must be assigned its own IP Address, which is used for communication with Web-Based Management or an SNMP network manager and the PC should have an IP address in the same range as the switch.

Please refer to the following detailed installation instructions for the Web-Based Management, SmartConsole Utility, Telnet Management and SNMP-Based Management.

Web-based Management Interface

After a successful physical installation, you can configure the switch, monitor the LED panel, and display statistics graphically using a web browser, such as Netscape Navigator (version 6.2 and higher) or Microsoft® Internet Explorer (version 5.0 and higher).

You need the following equipment to begin the web configuration of your device:

- A PC with a RJ-45 Ethernet connection
- A standard Ethernet cable

Step 1

Connect the Ethernet cable to any of the ports in front panel of the switch and to the Ethernet port on the PC.

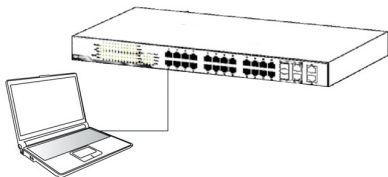


Figure 5. Connected Ethernet cable

Step 2

In order to login and configure the switch via an Ethernet connection, the PC must have an IP address in the same range as the switch. For example, if the switch has an IP address of 10.90.90.90, the PC should have an IP address of 10.x.y.z (where x/y is a number between 0 ~ 254 and z is a number between 1 ~ 254), and a subnet mask of 255.0.0.0.

Open your web browser and enter `http://10.90.90.90` (the factory-default IP address) in the address box. Then press <Enter>.



Figure 6. Enter the IP address 10.90.90.90 in the web browser

NOTE: The switch's factory default IP address is 10.90.90.90 with a subnet mask of 255.0.0.0 and a default gateway of 0.0.0.0

Step 3

When the following logon box appears, enter "admin" for the password. Press OK to enter the main configuration window.



Figure 7. Enter Network Password window

Step 4

Before entering the Web-based Management, the Smart Wizard will guide you to quickly configure some functions, such as Password Settings, SNMP Settings, and System Settings. If you don't plan to change anything, click Exit to exit the Wizard and enter the Web-based Management. For a detailed look at the Smart Wizard's functions, please refer to the Smart Wizard introduction in the user manual.

Telnet Management

Users may also access the switch through Telnet using your PC's Command Prompt. To access it from your computer, users must first ensure that a valid connection is made through the Ethernet port of the Switch and your PC, and then click Start > Programs > Accessories > Command Prompt on your computer. Once the console window opens, enter the command telnet 10.90.90.90 (depending on configured IP address) and press Enter on your keyboard. You should be directed to the opening console screen for the Command Line Interface of the switch, enter the "admin" for the default user name and password for the Switch and press the Enter key.

SNMP-Based Management

You can manage the Switch with any SNMP-compatible program. The SNMP function is default Disabled for Samsung PoE switches.

FCC Warning

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 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.

CE Mark Warning

This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Warnung!

Dies ist ein Produkt der Klasse A. Im Wohnbereich kann dieses Produkt Funkstörungen verursachen. In diesem Fall kann vom Benutzer verlangt werden, angemessene Massnahmen zu ergreifen.

Precaución!

Este es un producto de Clase A. En un entorno doméstico, puede causar interferencias de radio, en cuyo caso, puede requerirse al usuario para que adopte las medidas adecuadas.

Attention!

Ceci est un produit de classe A. Dans un environnement domestique, ce produit pourrait causer des interférences radio, auquel cas l'utilisateur devrait prendre les mesures adéquates.

Attenzione!

Il presente prodotto appartiene alla classe A. Se utilizzato in ambiente domestico il prodotto può causare interferenze radio, nel cui caso è possibile che l'utente debba assumere provvedimenti adeguati.

VCCI Warning

この装置は、クラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。VCCI-A

警告使用者：

這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。



仅适用于海拔2000米以下地区安全使用

SFP (Mini-GBIC), XENPAK, and XFP Regulatory Compliance

Networks pluggable optical modules meet the following regulatory requirements:

- Class 1 Laser Product
- EN60825-1+A2:2001 or later, European laser standard
- FCC 21 CFR Chapter 1, Subchapter J in accordance with FDA & CDRH requirements

SAFETY INSTRUCTIONS

Please adhere to the following safety guidelines to help ensure your own personal safety and protect your system from potential damage. Any acts taken that are inconsistent with ordinary use of the product, including improper testing, etc., and those not expressly approved by Samsung Techwin may result in the loss of product warranty.

Unless expressly approved by an authorized representative of Samsung in writing, you may not and may not permit others to:

- Disassemble or reverse engineer the device or attempt to derive source code (underlying ideas, algorithms, or structure) from the device or from any other information provided by Samsung, except to the extent that this restriction is expressly prohibited by local law.
- Modify or alter the device.
- Remove from the device any product identification or other notices, including copyright notices and patent markings, if any.

To reduce the risk of bodily injury, electrical shock, fire, and damage to the device and other equipment, observe the following precautions:

Power Sources

- Observe and follow service markings.
- Do not push any objects into the openings of your device unless consistent with the authorized operation of the device. Doing so can cause a fire or an electrical shock by shorting out interior components.
- The powering of this device must adhere to the power specifications indicated for this product.
- Do not overload wall outlets and/or extension cords as this will increase the risk of fire or electrical shock.
- Do not rest anything on the power cord or on the device (unless the device is made and expressly approved as suitable for stacking).
- Position system cables and power cables carefully; route cables so that they cannot be stepped on or tripped over. Be sure that nothing rests on any cables.
- Operate the device only from the type of external power source indicated on the electrical ratings label.
- To help avoid damaging your device, be sure the voltage selection switch (if provided) on the power supply is set to match the power available at your location.
- Also be sure that attached devices are electrically rated to operate with the power available in your location.
- Use only approved power cable(s). If you have not been provided a power cable for your device or for any AC-powered option intended for your device, purchase a power cable that is approved for use in your country and is suitable for use with your device. The power cable must be rated for the device and for the voltage and current marked on the device's electrical ratings label. The voltage and current rating of the cable should be greater than the ratings marked on the device.
- To help prevent an electrical shock, plug the device and peripheral power cables into properly grounded electrical outlets. These cables are equipped with three-prong plugs to help ensure proper grounding. Do not use adapter plugs or remove the grounding prong from a cable. If you must use an extension cable, use a 3-wire cable with properly grounded plugs.
- Observe extension cable and power strip ratings. Ensure that the total ampere rating of all products plugged into the extension cable or power strip does not exceed 80 percent of the ampere ratings limit for the extension cable or power strip.
- To help protect your device from sudden, transient increases and decreases in electrical power, use a surge suppressor, line conditioner, or uninterruptible power supply (UPS).
- Do not modify power cables or plugs. Consult a licensed electrician or your power company for site modifications. Always follow your local/national wiring rules.
- When connecting or disconnecting power to hot-pluggable power supplies, if offered with your device, observe the following guidelines:
 - Install the power supply before connecting the power cable to the power supply.
 - Unplug the power cable before removing the power supply.
 - If the system has multiple sources of power, disconnect power from the device by unplugging all power cables from the power supplies.

Servicing/Disassembling

- Do not service any product except as expressly set forth in your system documentation.
- Opening or removing covers that are marked with the triangular symbol with a lightning bolt may expose you to an electrical shock. Only a trained service technician should service components inside these compartments.
- To reduce the risk of electrical shock, never disassemble this device. None of its internal parts are user-replaceable; therefore, there is no reason to access the interior.
- Do not spill food or liquids on your system components, and never operate the device in a wet environment. If the device gets wet, see the appropriate section in your troubleshooting guide or contact your trained service provider.
- Use the device only with approved equipment.
- Move products with care; ensure that all casters and/or stabilizers are firmly connected to the system. Avoid sudden stops and uneven surfaces.

Environment

- Do not use this device near water (e.g. near a bathtub, sink, laundry tub, fish tank, in a wet basement or near a swimming pool).
- Do not use this device in areas with high humidity.
- This device must not be subjected to water or condensation.
- Keep your device away from radiators and heat sources. Also, do not block cooling vents.

Cleaning

- Always unplug the power before cleaning this device.
- Do not use liquid or aerosol cleaners of any kind. Use only compressed air that is recommended for electronic devices.
- Use a dry cloth for cleaning.

PROTECTING AGAINST ELECTROSTATIC DISCHARGE

Static electricity can harm delicate components inside your system. To prevent static damage, discharge static electricity from your body before you touch any of the electronic components, such as the microprocessor. You can do so by periodically touching an unpainted metal surface on the chassis.

You can also take the following steps to help prevent damage from electrostatic discharge (ESD):

1. When unpacking a static-sensitive component from its shipping carton, do not remove the component from the antistatic packing material until you are ready to install the component in your system. Just before unwrapping the antistatic packaging, be sure to discharge static electricity from your body.
2. When transporting a sensitive component, first place it in an antistatic container or packaging.
3. Handle all sensitive components in a static-safe area. If possible, use antistatic floor pads, workbench pads, and an antistatic grounding strap.

INSTRUCCIONES DE SEGURIDAD

Por favor siga las siguientes instrucciones de seguridad para garantizar su propia seguridad personal y proteger el equipo de posibles daños. Cualquier acto realizado que sea incompatible con el uso normal del producto, incluyendo pruebas no apropiadas, etc., y aquellos que no estén expresamente autorizados por Samsung pueden dar lugar a la pérdida de la garantía del producto.

A menos que estén expresamente aprobados por escrito por un representante autorizado de Samsung, usted no puede no puede:

- Desmontar o alterar el diseño del dispositivo o intentar obtener el código fuente (ideas subyacentes, algoritmos, o estructura del mismo) del dispositivo o de cualquier otra información proporcionada por Samsung, salvo en el caso en que esta restricción esté expresamente prohibida por la ley local.
- Modificar o alterar el dispositivo.
- Retirar la identificación del producto u otras notificaciones, incluyendo las notificaciones de copyright y marcado de patente, si fuera el caso.

Para reducir el riesgo de lesiones personales, descargas eléctricas, incendios y daños al aparato y otro equipamiento, tome las siguientes precauciones:

Fuentes de alimentación

- Lea y siga atentamente las instrucciones de uso.
- No introduzca ningún objeto en las aberturas de su dispositivo. Si lo hace, puede provocar un incendio o recibir una descarga eléctrica debido a un cortocircuito de los componentes internos.
- El suministro eléctrico debe cumplir con las especificaciones de alimentación indicadas para este producto.
- No sobrecargue los enchufes de pared y / o cables de extensión ya que esto aumentará el riesgo de producir un incendio o recibir una descarga eléctrica.
- No apoye nada sobre el cable de alimentación o encima del dispositivo (a menos que el dispositivo esté diseñado y expresamente aprobado para ello).
- Coloque los cables del equipo y de la fuente de alimentación con cuidado, de forma que no se puedan pisar o tropezar fácilmente con ellos. Asegúrese de que no apoye nada sobre los cables.
- Utilice el dispositivo sólo con una fuente de alimentación externa que cumpla con las especificaciones eléctricas de la etiqueta.
- Para ayudar a evitar daños en el dispositivo, asegúrese de que el selector de voltaje (si existe) de la fuente de alimentación esté ajustado para la tensión disponible en su localidad.
- Asegúrese también de que los dispositivos conectados estén clasificados eléctricamente para funcionar con la tensión disponible en su ubicación.
- Utilice únicamente cables de alimentación aprobados. Si el equipo no viniera con cable de alimentación o con cualquier otra opción de alimentación para corriente alterna, compre un cable de alimentación que esté aprobado para uso en su país y sea adecuado para su uso con el dispositivo. El cable de alimentación debe estar aprobado para el dispositivo y para el voltaje/corriente marcado en la etiqueta de especificaciones eléctricas que incluye el dispositivo, debiendo ser el valor de voltaje/corriente del cable superior al de las especificaciones.
- Para ayudar a prevenir una descarga eléctrica, conecte el dispositivo en enchufes que dispongan de su correspondiente toma de tierra. Los cables están equipados con enchufes de tres clavijas para garantizar una conexión a tierra adecuada. No utilice adaptadores ni retire la clavija de conexión a tierra de un cable. Si tiene que utilizar un cable de extensión, utilice un cable de 3 hilos con enchufes adecuadamente conectados a tierra.
- Asegúrese de que el amperaje total de todos los productos conectados al cable de extensión o regleta de alimentación no sea superior al 80 por ciento del amperaje límite del cable de extensión o de la regleta.
- Para ayudar a proteger el dispositivo de cambios repentinos, transitorios o disminuciones de la señal eléctrica, utilice un supresor de sobretensiones, un acondicionador de línea, o una fuente de alimentación ininterrumpida (SAI).
- No modifique los cables de alimentación o los enchufes. Consulte a un electricista autorizado o con la compañía eléctrica para realizar las modificaciones necesarias. Siga siempre la normativa de cableado local/nacional.
- Al conectar o desconectar la alimentación de las fuentes de alimentación conectables en caliente, si fuera el caso de su dispositivo, siga las siguientes pautas:

- Instale la fuente de alimentación antes de proporcionar alimentación a la misma.
- Desconecte la alimentación antes de retirar el cable de alimentación.
- Si el sistema tiene múltiples fuentes de alimentación, desconecte la alimentación del mismo, y desenchufe todos los cables de alimentación de las fuentes de alimentación.
- En el caso de que la fuente de alimentación sea el dispositivo de desconexión del equipo. La base de toma de corriente debe estar cerca del equipo y ser fácilmente accesible.

Manipulación/ Desmontaje

- No manipule el producto, salvo que esté expresamente establecido en la documentación del equipo.
- Si abre o retira las cubiertas que están marcadas con el símbolo triangular con un rayo puede exponerse a una descarga eléctrica. Sólo un técnico cualificado debe reparar los componentes dentro de estos compartimentos.
- Para reducir el riesgo de descarga eléctrica, no desmonte el dispositivo. Ninguno de sus partes internas es sustituible por el usuario, por lo tanto, no hay ninguna razón para acceder al interior.
- No derrame comida ni líquidos sobre los componentes del sistema, y nunca utilice el dispositivo en un ambiente húmedo. Si el dispositivo se moja, consulte la sección correspondiente a solución de problemas o contacte con su proveedor.
- Utilice el dispositivo sólo con equipamiento aprobado.
- Mueva los productos con cuidado; asegúrese de que todos los estabilizadores están firmemente sujetos al equipo. Evite las detenciones repentinas y las superficies irregulares.

Medio Ambiente

- No utilice este aparato cerca del agua (por ejemplo, cerca de una bañera, fregadero, lavadero, pesteras, en un sótano húmedo o cerca de una piscina).
- No utilice este dispositivo en lugares con alta humedad.
- Este dispositivo no debe ser sometido al agua o la condensación.
- Mantenga el dispositivo alejado de radiadores y fuentes de calor. Asimismo, no bloquee las rejillas de ventilación.

Limpieza

- Desconecte siempre la alimentación antes de limpiar este dispositivo.
- No utilice limpiadores en aerosol o líquidos de ningún tipo. Use sólo aire comprimido recomendado para dispositivos electrónicos.
- Utilice un paño seco para limpiarlo.

PROTECCIÓN CONTRA DESCARGAS ELECTROSTÁTICAS

La electricidad estática puede dañar componentes delicados de su sistema. Para evitar daños por electricidad estática, descargar la electricidad estática de su cuerpo antes de tocar cualquiera de los componentes electrónicos, tales como el microprocesador. Puede hacerlo con un toque periódicamente de una superficie metálica sin pintura del propio chasis del equipo.

También puede realizar los siguientes pasos para ayudar a prevenir posibles daños por descargas electrostáticas:

1. Al desembalar un componente sensible a la electricidad estática de su caja de envío, no retire el material de embalaje antiestático hasta que esté listo para instalar el componente en su sistema. Justo antes de abrir el embalaje antiestático, asegúrese de descargar la electricidad estática de su cuerpo.
2. Cuando transporte un componente sensible a la electricidad estática, colóquelo en un contenedor o embalaje antiestático.
3. Maneje todos los componentes sensibles a la electricidad estática en un área de prueba libre de cargas electrostáticas. Si es posible, utilice alfombrillas antiestáticas en el suelo, el banco de trabajo, y una correa antiestática con conexión a tierra.

EUROPEAN COMMUNITY DECLARATION OF CONFORMITY

Česky [Czech]	Samsung Techwin co.,Ltd tímto prohlašuje, že tento je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/EC.
Dansk [Danish]	Undertegnede Samsung Techwin co.,Ltd erklærer herved, at følgende udstyr overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Deutsch [German]	Hiermit erkläre Samsung Techwin co.,Ltd, dass sich das Gerät in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
Eesti [Estonian]	Käesolevaga kinnitab Samsung Techwin co.,Ltd seadme vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivi tulenevatele teistele asjakohastele sätetele.
English	Hereby, Samsung Techwin co.,Ltd, declares that this is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Español [Spanish]	Por medio de la presente Samsung Techwin co.,Ltd declara que el cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Samsung Techwin co.,Ltd ΔΗΛΩΝΕΙ ΟΤΙ ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Français [French]	Par la présente Samsung Techwin co.,Ltd déclare que l'appareil est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Italiano [Italian]	Con la presente Samsung Techwin co.,Ltd dichiara che questo è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Latviski [Latvian]	Ar šo Samsung Techwin co.,Ltd deklarē, ka atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvių [Lithuanian]	Šiuo Samsung Techwin co.,Ltd deklaruoja, kad šis atitinka esminius reikalavimus ir kitas 1999/5/EB Direktivos nuostatas.
Nederlands [Dutch]	Hierbij verklaart Samsung Techwin Corporation dat het toestel in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Malti [Maltese]	Hawnhekk, Samsung Techwin Corporation, jiddikjara li dan jikkonforma mal-hiġijiet essenzjali u ma providemmi oħrajn rilevanti li hemm fid-Direttiva 1999/5/EC.
Magyar [Hungarian]	Alulírott, Samsung Techwin Corporation nyilatkozik, hogy a megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
Polski [Polish]	Niniejszym Samsung Techwin Corporation oświadcza, że jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Português [Portuguese]	Samsung Techwin Corporation declara que este Samsung Techwin Corporation está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Slovensko [Slovenian]	Samsung Techwin Corporation izjavlja, da je ta v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Slovensky [Slovak]	Samsung Techwin Corporation týmto vyhlasuje, že spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Suomi [Finnish]	Samsung Techwin Corporation vakuuttaa täten että tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Svenska [Swedish]	Härmed intygar Samsung Techwin Corporation att denna står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Íslenska [Icelandic]	Hér með lýsir Samsung Techwin co.,Ltd yfir því að er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EF.
Norsk [Norwegian]	Samsung Techwin Corporation erklærer herved at utstyret er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.

CE EMI CLASS A WARNING (only for class A product)



This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

DISPOSING AND RECYCLING YOUR PRODUCT



ITALIANO

IT



La presenza di questo simbolo sul prodotto o sulla confezione del prodotto indica che, in conformità alle leggi e alle normative locali, questo prodotto non deve essere smaltito nei rifiuti domestici, ma avviato al riciclo. Una volta terminato il ciclo di vita utile, portare il prodotto presso un punto di raccolta indicato dalle autorità locali. Alcuni questi punti di raccolta accettano gratuitamente i prodotti da riciclare. Scegliendo di riciclare il prodotto e il relativo imballaggio, si contribuirà a preservare l'ambiente e a salvaguardare la salute umana.

Samsung Technwin e l'ambiente

Samsung Technwin cerca da sempre di ridurre l'impatto ambientale dei propri stabilimenti e dei propri prodotti. Allo scopo di ridurre al minimo tale impatto, Samsung Technwin progetta e realizza i propri prodotti in modo che rispettino il più possibile l'ambiente, utilizzando materiali riciclabili a basso tasso di tossicità sia per i prodotti che per gli imballaggi.

Samsung Technwin raccomanda di spegnere sempre i prodotti Samsung Technwin o di collegare la spina quando non vengono utilizzati. In questo modo si contribuirà a risparmiare energia e a ridurre le emissioni di anidride carbonica.

NETHERLANDS

NL



Dit symbool op het product of de verpakking betekent dat dit product volgens de plaatselijke wetgeving niet mag worden weggegooid met het huisvuil, maar moet worden gerecycled. Het product moet worden ingeleverd. Zodra het product het einde van de levensduur heeft bereikt, dient u het naar een inzamelend punt te brengen dat hiertoe werd aangegeven door uw plaatselijke autoriteiten, sommige autoriteiten accepteren producten zonder dat u hiervoor vergoed te betalen. Door het product en de verpakking op deze manier te recycleren helpt u het milieu en de gezondheid van de mens te beschermen.

Samsung Technwin en het milieu

Bij Samsung Technwin spannen we ons in om de impact van onze handelingen en producten op het milieu te beperken. Om deze impact te beperken, ontwerpt en bouwt Samsung Technwin zijn producten zo milieuvriendelijk mogelijk, door het gebruik van recycleerbare producten met lage toxiciteit in product en verpakking.

Samsung Technwin raadt aan om steeds uw Samsung Technwin producten uit te schakelen of uit de stekker te halen wanneer u ze niet gebruikt. Door dit te doen bespaart u energie en beperkt u de CO₂-emissies.

POLSKI

PL



Ten symbol umieszczony na produkcie lub opakowaniu oznacza, że zgodnie z miejscowym prawem i lokalnymi przepisami niniejszego produktu nie wolno wyrzucać jak odpady czy śmieci z gospodarstwa domowego, lecz należy go poddać procesowi recyklingu. Po zakończeniu użytkowania produktu, niektóre odpowiednio do tego celu podmioty przyjmą takie produkty nieodpłatnie, dlatego prosimy dostarczyć go do punktu zbiórki wskazanego przez lokalne władze. Poprzez proces recyklingu i dzięki takiemu postępowaniu z produktem oraz jego opakowaniem, pomagamy Państwu chronić środowisko naturalne i dbać o ludzką zdrowie.

Samsung Technwin i środowisko

W Samsung Technwin podchodzimy w sposób świadomy do ochrony otoczenia oraz jesteśmy zaangażowani w zmniejszanie wpływu naszych działań i produktów na środowisko naturalne. W celu minimalizowania takiego wpływu firma Samsung Technwin konstruuje i wytwarza swoje produkty w taki sposób, aby były one jak najbardziej przyjazne środowisku, stosując do tych celów materiały nadające się do powtórnego wykorzystania, charakteryzujące się małą toksycznością zarówno w przypadku samych produktów jak i opakowań.

Firma Samsung Technwin zaleca, aby Państwo zawsze prawidłowo wyłączali z użyciu swoje produkty Samsung Technwin, gdy nie są one wykorzystywane. Postępując w ten sposób pozwalają Państwo oszczędzać energię i zmniejszać emisję CO₂.

ČESKY

CZ



Tento symbol na výrobku nebo jeho obalu znamená, že podle místních platných předpisů se výrobek nesmí vyhazovat do komunálního odpadu, ale odeslat k recyklaci. Až výrobek doslouží, odnese jej prosím na sběrné místo určené místními úřady k tomuto účelu. Některá sběrná místa přijímají výrobky zdarma. Recyklací výrobku i obalu pomůžete chránit životní prostředí i lidské zdraví.

Samsung Technwin a životní prostředí

Ve společnosti Samsung Technwin jsme si vědomi vlivu našich provozů a výrobků na životní prostředí a snažíme se o minimalizaci těchto vlivů. Proto své výrobky navrhujeme a vyrábíme tak, aby byly co nejekologičtější, a ve výrobcích i obalech používáme recyklovatelné a nízko toxické materiály.

Společnost Samsung Technwin doporučuje, aby se výrobky značky Samsung Technwin vypnuly nebo vytáhly ze zásuvky vždy, když je nepoužíváte. Pomůžete tak šetřit energii a snížit emise CO₂.

ENGLISH

EN



This symbol on the product or packaging means that according to local laws and regulations this product should be not be disposed of in the household waste but sent for recycling. Please take it to a collection point designated by your local authorities once it has reached the end of its life. Some will accept products for free. By recycling the product and its packaging in this manner you help to conserve the environment and protect human health.

Samsung Technwin and the environment

At Samsung Technwin, we understand and are committed to reducing any impact our operations and products may have on the environment. To minimise this impact Samsung Technwin designs and builds its products to be as environmentally friendly as possible, by using recyclable, low toxic materials in both products and packaging.

Samsung Technwin recommends that you always switch off or unplug your Samsung Technwin products when they are not in use. By doing so you will help to save energy and reduce CO₂ emissions.

DEUTSCH

DE



Dieses Symbol auf dem Produkt oder der Verpackung weist darauf hin, dass dieses Produkt gemäß bestehender örtlicher Gesetze und Vorschriften nicht über den normalen Hausmüll entsorgt werden sollte, sondern einer Wiederverwertung zuzuführen ist. Bringen Sie es bitte zu einer von Ihrer Kommunalbehörde entsprechend amtlich ausgewiesenen Sammelstelle, sobald das Produkt das Ende seiner Nutzungsdauer erreicht hat. Für die Annahme solcher Produkte erheben einige dieser Stellen keine Gebühren. Durch ein auf diese Weise durchgeführtes Recycling des Produkts und seiner Verpackung helfen Sie, die Umwelt zu schonen und die menschliche Gesundheit zu schützen.

Samsung Technwin und die Umwelt

Samsung Technwin ist sich den möglichen Auswirkungen seiner Geschäftstätigkeiten und seiner Produkte auf die Umwelt bewusst und fühlt sich verpflichtet, diese entsprechend zu mindern. Zu diesem Zweck entwickelt und stellt Samsung Technwin seine Produkte mit dem Ziel größtmöglicher Umweltfreundlichkeit her und verwendet wiederverwertbare schadstoffarme Materialien bei Produktherstellung und Verpackung.

Samsung Technwin empfiehlt, Ihre Produkte von Samsung Technwin, wenn nicht in Gebrauch, immer auszuschalten oder vom Netz zu nehmen. Auf diese Weise helfen Sie, Energie zu sparen und CO₂-Emissionen zu reduzieren.

FRANÇAIS

FR



Ce symbole apposé sur le produit ou son emballage signifie que, conformément aux lois et réglementations locales, ce produit ne doit pas être éliminé avec les déchets domestiques mais recyclé. Veuillez le rapporter à un point de collecte prévu à cet effet par les autorités locales; certains acceptent vos produits gratuitement. En recyclant le produit et son emballage de cette manière, vous aidez à préserver l'environnement et à protéger la santé de l'homme.

Samsung Technwin et l'environnement

Chez Samsung Technwin, nous sommes conscients de l'impact de nos opérations et produits sur l'environnement et nous engageons à le réduire. Pour limiter cet impact, Samsung Technwin conçoit et fabrique ses produits de manière durable et écologique que possible, en utilisant des matériaux recyclables et faiblement toxiques, tant dans ses produits que ses emballages.

Samsung Technwin recommande de toujours éteindre ou débrancher vos produits Samsung Technwin lorsque vous ne les utilisez pas. Vous réaliserez ainsi des économies d'énergie et réduirez vos émissions de CO₂.

ESPAÑOL

ES



Este símbolo en el producto o el embalaje significa que, de acuerdo con la legislación y la normativa local, este producto no se debe desechar en la basura doméstica sino que se debe reciclar. Lévelo a un punto de recogida designado por las autoridades locales una vez que ha llegado al fin de su vida útil; algunos de ellos aceptan recogerlos de forma gratuita. Al reciclar el producto y su embalaje de esta forma, contribuye a preservar el medio ambiente y a proteger la salud de los seres humanos.

Samsung Technwin y el medio ambiente

En Samsung Technwin, comprendemos y estamos comprometidos con la reducción del impacto que puedan tener nuestras actividades y nuestros productos en el medio ambiente. Para reducir este impacto, Samsung Technwin diseña y fabrica sus productos para que sean lo más ecológicos posible, utilizando materiales reciclables y de baja toxicidad tanto en los productos como en el embalaje.

Samsung Technwin recomienda apagar o desenchufar los productos Samsung Technwin cuando no se estén utilizando. Al hacerlo, contribuirá a ahorrar energía y a reducir las emisiones de CO₂.



Ez a szimbólum a terméken vagy a csomagoláson azt jelenti, hogy a helyi törvényeknek és szabályoknak megfelelően ez a termék nem semmisíthető meg a háztartási hulladékkal együtt, hanem újrahasznosításra kell küldeni. Kérjük, hogy a termék élettartamának elteltét követően vigye azt a helyi hatóság által kijelölt gyűjtőhelyre. A termékek egyes helyeken ingyen elhelyezhetők. A termék és a csomagolás újrahasznosításával segít védeni a környezetet és az emberek egészségét.

A Samsung Techwin és a környezet

A Samsung Techwinnél megértjük és elkötelezték magunkat a műveleteink és termékeink környezetre gyakorolt hatásainak csökkentésére. Az ezen hatások csökkentése érdekében a Samsung Techwin a lehető leginkább környezetbarát termékeket tervez és gyárt azáltal, hogy újrahasznosítható, alacsony károsanyag-tartalmú termékeket gyárt és csomagolókat alkalmaz.

A Samsung Techwin azt javasolja, hogy mindig kapcsolja ki vagy húzza ki a Samsung Techwin termékeket a táplálásból, ha nem használja azokat. Ezzel segít az energia megtakarításában és a szén-dioxid kibocsátásának csökkentésében.



Dette symbolet på produktet eller forpakningen betyr at dette produktet ifølge lokale lover og forskrifter ikke skal kastes sammen med husholdningsavfall, men leveres inn til gjenvinning. Vennligst ta det til et innsamlingssted anviset av lokale myndigheter når det er kommet til slutten av levetiden. Noen steder aksepteres produkter uten avgift. Ved på denne måten å gjenvinne produktet og forpakningen hjelper du å verne miljøet og beskytte folks helse.

Samsung Techwin og miljøet

Hos Samsung Techwin forstår vi oss på og er forpliktet til å minke innvirkningen som vår drift og våre produkter kan ha på miljøet. For å minimalisere denne innvirkningen designer og lager Samsung Techwin produkter som er så miljøvennlige som mulig, ved å bruke resirkulerbare, lav-toksiske materialer både i produktene og forpakningen.

Samsung Techwin anbefaler at du alltid slår av eller frakobler Samsung Techwin-produkter når de ikke er i bruk. Ved å gjøre dette hjelper du å spare energi og å redusere CO₂-utslipp.



Dette symbol på produktet eller emballagen betyder, at dette produkt i henhold til lokale love og regler ikke må bortskaffes som husholdningsaffald. Produktet skal leveres til genbrugsstationen eller til indsamlingsstedet som angivet af de lokale myndigheder, når det er nået til slutningen af dets levetid. I nogle tilfælde vil produktet blive modtaget gratis. Ved at indleverer produktet og dets emballage til genbrug på denne måde bidrager du til at beskytte miljøet og den menneskelige sundhed.

Samsung Techwin og miljøet

Hos Samsung Techwin forstår vi og bestræber os på at reducere enhver indvirkning, som vores aktiviteter og produkter kan have på miljøet. For at minimere denne indvirkning designer og producerer Samsung Techwin sine produkter, så de er så miljøvenlige som muligt, ved at bruge genanvendelige materialer med lav giftighedsniveau i både produkter og emballage.

Samsung Techwin anbefaler, at du altid slukker eller frakobler dine Samsung Techwin-produkter, når de ikke er i brug. Ved at gøre det bidrager du til at spare energi og reducere CO₂-udledingerne.



Tämä symboli tuotteen pakkauksessa tarkoittaa, että paikallisten lakien ja säännösten mukaisesti tätä tuotetta ei pidä hävittää yleisen kotitalousjätteen seassa vaan se tulee toimittaa kierrätettäväksi. Kun tuote on elinkaarensa päässä, toimita se lähimpään viranomaisen hyväksymään kierrätyspisteeseen. Kierrättämällä käytettyä tuotetta ja sen pakkauksen autat tukemaan sekä ympäristön että ihmisten terveyttä ja hyvinvointia.

Samsung Techwin ja ympäristö

Samsung Techwin ymmärtää ympäristönsuojelun tärkeyden ja on sitoutunut vähentämään tuotteistaan ja niiden valmistuksesta ympäristölle mahdollisesti aiheutuvia haittavaikutuksia. Nämä negatiiviset vaikutukset minimoidakseen Samsung Techwin suunnittelee ja valmistaa tuotteensa mahdollisimman ympäristöystävällisiksi käyttämällä kierrätettäviä, alhaisia pitoisuuksia sisältäviä materiaaleja sekä tuotettaan että niiden pakkauksissa.

Suosittellemme, että irrotat Samsung Techwin-tuotteesi virtalähteestä tai sammutat ne aina, kun ne eivät ole käytössä. Voimalla näin autat säästämään energiaa ja vähentämään hiilidioksidipäästöjä.



Den här symbolen på produkten eller förpackningen betyder att produkten enligt lokala lagar och föreskrifter inte skall kastas i hushållssoporna utan i stället återvinnas. Ta den vid slutet av dess livslängd till en av din lokala myndighet utsett uppsamlingsplats, vissa accepterar produkter utan kostnad. Genom att på detta sätt återvinna produkten och förpackningen hjälper du till att bevara miljön och skydda människors hälsa.

Samsung Techwin och miljön

På Samsung Techwin förstår vi och är fast beslutna att minska den påverkan våra verksamheter och produkter kan ha på miljön. För att minska denna påverkan utformar och bygger Samsung Techwin sina produkter för att de ska vara så miljövänliga som möjligt, genom att använda återvinningsbara material med låg gifthalt i både produkter och förpackningar.

Samsung Techwin rekommenderar att du alltid stänger av eller kopplar ur dina Samsung Techwin produkter när du inte använder dem. Genom att göra detta hjälper du till att spara energi och minska utsläpp av koldioxid.



Este símbolo no produto ou embalagem significa que, de acordo com as leis e regulamentações locais, este produto não deverá ser eliminado juntamente com o lixo doméstico mas enviado para a reciclagem. Transporte-o para um ponto de recolha designado pelas suas autoridades locais quando este tiver atingido o fim da sua vida útil, alguns destes pontos aceitam produtos gratuitamente. Ao reciclar o produto e respectiva embalagem desta forma, ajuda a preservar o ambiente e protege a saúde humana.

A Samsung Techwin e o ambiente

Na Samsung Techwin compreendemos e comprometemo-nos com a redução do impacto que as nossas operações e produtos possam ter no ambiente. Para minimizar este impacto a Samsung Techwin concebe e controla os seus produtos para que estes sejam o mais inofensivos para o ambiente possível, utilizando materiais recicláveis e não tóxicos tanto nos produtos como nas embalagens.

A Samsung Techwin recomenda que desligue os seus produtos Samsung Techwin quando estes não se encontrarem em utilização. Com esta ação ajudará a poupar energia e reduzir as emissões de CO₂.



Этот символ на продукте или упаковке означает, что в соответствии с нормами местного законодательства данный продукт в случае выхода из строя подлежит утилизации, и от него нельзя избавиться как от обычного бытового мусора. Отнесите устройство в ближайшую службу утилизации и переработки. При утилизации продукта и его упаковки таким образом обеспечивается защита окружающей среды и не наносится вред здоровью людей.

Забота Samsung Techwin об окружающей среде

Компания Samsung Techwin стремится максимально сократить негативное влияние своей деятельности на окружающую среду. Поэтому Samsung Techwin разрабатывает максимально экологичные продукты, используя перерабатываемые и низкотоксичные материалы как для изготовления самих продуктов, так и их упаковок.

Кроме того, Samsung Techwin рекомендует отключать устройства, если они не используются. Это обеспечит энергосбережение и сократит выброс в атмосферу углекислого газа.

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Version 2, June 1991

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서비스 요청하기 전에 꼭 알아두세요.

다음과 같은 사항에 대하여 서비스 요청시 유상서비스로 처리될 수 있습니다.

[1] 고객 주의사항

- 보안 시스템 및 제품의 이상 유무를 정기적으로(매일) 점검하여 사용하시기 바랍니다.
- 화재, 지진 등의 천재지변으로 인해 발생한 인적/물적 피해에 대해서는 제조사에서 책임지지 않습니다.
- A/S는 당사 해당 제품(단품)에 대해서만 가능합니다.
설치문제로 인한 불량은 전문 업체 및 유지보수업체를 통해 처리하셔야 합니다.
- 제품 사용설명서에 포함되지 않는 기능이나 타사 소핑몰 등에서 잘못 기재된 기능은 당사에서 책임을 질 수 없습니다.
- 서비스 요청시 제품의 설정된 항목은 서비스를 받는 동안 손실될 수 있으므로, 반드시 백업을 받아두시기 바랍니다. 수리과정에서 손실될 경우 당사에서 책임을 질 수 없습니다.

[2] 제품 사용설명서로 서비스 요청한 경우

- 사용 환경에 따른 신호점검, 전원점검, 네트워크 환경 문제 등의 서비스 요청시
- 제품과 관련된 타기기의 설치, 설명 요청시

[3] 단순 분해조립, 간단조정, S/W 업그레이드 등으로 서비스 요청한 경우

- 제품 안에 이물이 투입되어 문제가 발생하여 서비스를 요청시
- 제품 간단조정이나 분해하지 않고 처리하는 경우
- 제품고장 요인이 아닌 S/W 업그레이드 요청시

[4] 그 밖의 경우

- 제품에서 사용되는 소모품(어댑터 등)의 관리 소홀로 인한 고장이나 사용설명 서비스 요청시
(소모품 문제에 대한 사용설명 및 서비스 요청은 해당업체에 문의하여 주십시오)
- 품질이 좋지 않은 이더넷 케이블 사용에 따른 고장이나 사용설명 서비스 요청시
- 제품이 비정상적인 환경에서 사용하거나 설치되어 문제가 발생한 경우

※ 상기와 같은 유형의 서비스를 받으실 경우에는 소정의 수수료가 부과될 수 있으므로, 서비스 신청전 전문상담원 (☎1588-5772)을 통하여 보다 양질의 서비스를 받으시길 권장 드립니다.

품 질 보 증 서

제 품 명	삼성 네트워크 스위치	보 증 기 간
모 델 명	SPN-12080P/SPN-14240P	구 입 후 3년
구 입 일 자	년 월 일	
보 증 기 간	년 월 일 까지	

고객주소	성 명	
	연락처	
판매점 주소(상호)	성 명	
	연락처	

※ 제품 판매시 공란의 내용을 필히 기입하여 주십시오.

◀ 서비스를 받으실 때 ▶

사용설명서를 한번 더 읽어주십시오.

고장이라 생각되면 서비스를 요청하기 전에 반드시 사용설명서를 한번 더 읽어 주십시오.
사용미숙 등으로 인한 고장현상이 있으므로 사용설명서의 취급법과 주의사항 등을 보시면
고객여러분의 손으로도 간단히 해결되는 경우가 있습니다.

서비스를 요청하시는 방법은?

요청하실 때는 고장상태를 정확히 알려 주십시오.

이때 보증서를 함께 제시하시면 보증서에 기재된 내용에 따라 유상, 무상수리의 구분이 됩니다.

삼성테크윈(주) Security Solution 사업부

463-400 경기도 성남시 분당구 판교로 319번길 6 삼성테크윈 판교 R&D 센터

영 업 TEL: 070-7147-8771~8/FAX: 031-8018-3715 A/S TEL: 1588-5772

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아래 사항에 따른 고장은 유상 처리됩니다.

- 1) 사용자 취급 부주의에 의한 고장
- 2) 정격전원외의 전원 연결시
- 3) 사용자 임의로 분해, 수리한 경우
- 4) 자연재해에 의한 고장 (화재, 홍수, 해일 등)
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