

네트워크 스위치

제품 설치 매뉴얼

SPN-12081P



SAMSUNG

A급 기기(업무용 방송통신기자재)

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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



주 의

스위치를 선반 혹은 랙에 설치 시
안전하고 확실하게 고정하세요.

낙하로 인한 부상의 원인이
됩니다.

스위치 위에 전도성 물질(드라이버,
동전, 쇠붙이 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-12081P 0℃
이하 10℃ 이하), 습도가 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.

개요

설치 및 사용상 주의사항

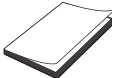
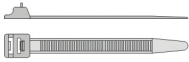
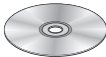
- 사용자 임의로 스위치를 분해하지 마세요.
- 스위치 취급 시 항상 주의하세요.
- 스위치를 주먹으로 치거나 흔들지 않도록 하고 부주의한 보관이나 오동작으로 스위치에 손상을 입히지 않도록 주의하세요.
- 스위치를 비가 오는 장소나 습기가 많은 장소에 설치하지 않도록 주의하고 젖은 장소에 두고 동작하지 마세요.
- 스위치의 몸체를 강력 연마제 등으로 세척하지 말고 더러워졌을 때에는 마른 헝겊을 이용하여 몸체를 닦아내세요.
- 스위치를 직사광선이 비치지 않는 서늘한 곳에 설치하세요.
- 직사광선이 비치는 곳에 두면 제품에 좋지 않은 영향을 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.

개요

구성품 확인하기

구성품			
외관	품명	수량	용도
	스위치 본체	1	* 설명에 사용된 제품의 이미지가 본 제품과 일부 다를 수 있음.
	설치 매뉴얼	1	국문, 영문, 일본어 매뉴얼
	전원 코드	1	전원 연결시 사용
	랙마운트 브라켓	2	19인치 랙 장착시 사용
	브라켓 나사	8	브라켓 장착시 사용
	고무 받침	4	선반에 설치하는 경우 사용
	전원 코드 고정 클립	1	전원 코드 분리 방지
	CD	1	세부 기능 매뉴얼

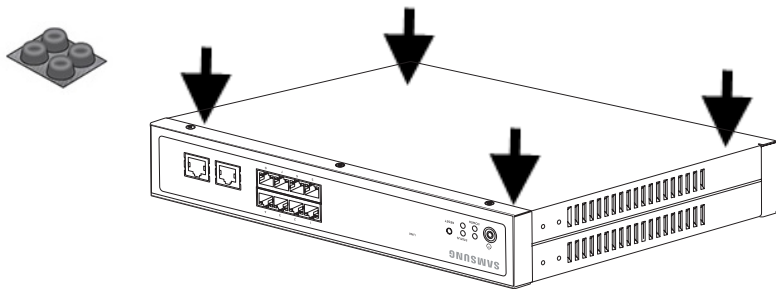
설치 안전을 위한 주의사항

1. 전원 코드(전원 케이블) 상에는 이상이 없는지 반드시 육안으로 확인하신 후, 연결하여 주십시오.
2. 제품의 주위로 방열을 위한 충분한 공간을 확보하여 주십시오.
3. 제품 위에 무거운 물건을 올려두지 마십시오.

설치 및 연결

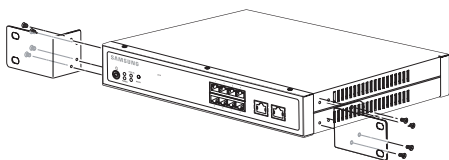
선반 및 책상 위에 설치하는 경우

동봉된 고무 받침을 바닥면 각 모서리에 부착하여 주십시오.

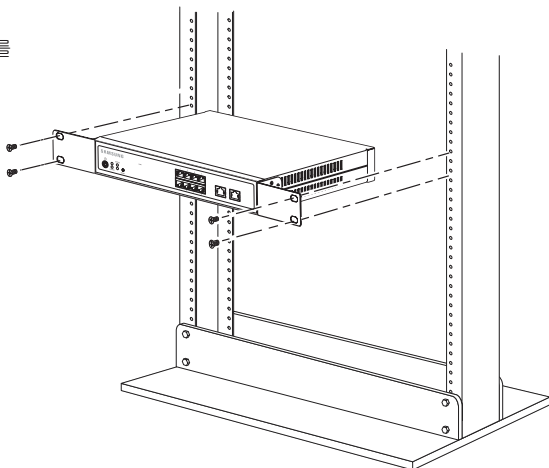


랙(Rack)에 설치하는 경우

1. 브라켓을 그림과 같이 장착한 후,
좌우 측면 나사(각 4개)를 체결합니다.



2. 고정 나사를 이용하여 스위치 장비를
랙에 단단하게 장착합니다.

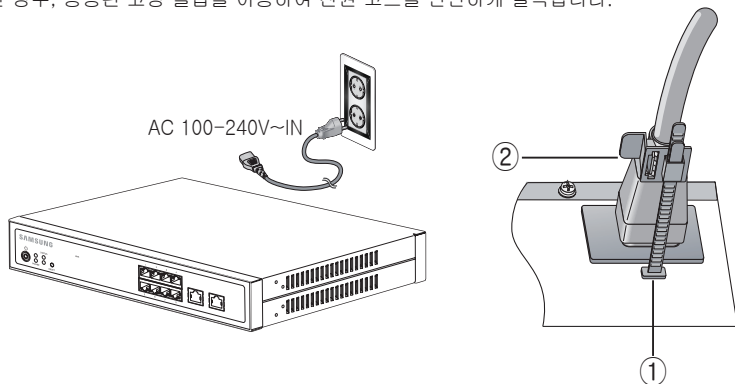


설치 및 연결

전원 연결

스위치의 전원을 연결합니다.

필요한 경우, 동봉된 고정 클립을 이용하여 전원 코드를 단단하게 결속합니다.



스위치 PoE 지원 사양 및 PoE 카메라 연결시 참고사항

SPN-12081P (총 PoE 지원 용량 : 78W)



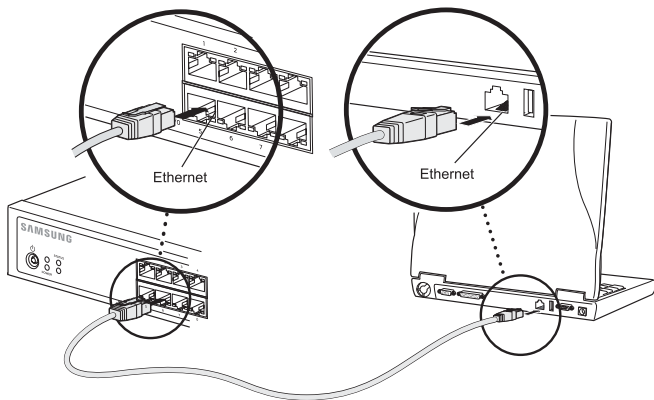
- ① 전 포트(1~8) 가 PoE(15.4W) 및 PoE+(30W) 를 지원합니다.
- ② 연결할 카메라의 PoE 소비전력을 검토하여 78W 내로 설계하여 주십시오.

스위치 관리화면 접속

스위치의 이더넷 포트에 연결된 PC 에서 웹 브라우저를 이용하여 각 기능을 설정하실 수 있습니다.
(인터넷 익스플로러 8.0 이상 / 파이어폭스 / 크롬 / 사파리 호환)

1. 스위치와 PC 연결

스위치의 이더넷 포트와 PC 의 이더넷 포트를 랜케이블(RJ-45) 로 연결합니다.



2. PC 의 IP 주소 변경

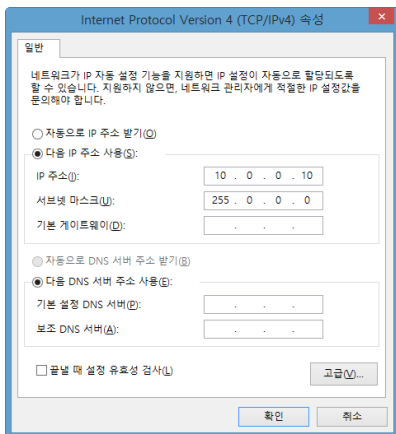
스위치의 기본 IP 주소는 10.90.90.90 / 서브넷마스크는 255.0.0.0 으로 설정되어 있습니다.
접속하기 위하여 PC 의 IP 주소를 스위치와 동일한 네트워크 대역의 주소로 설정하여 주십시오.

예를들어, 오른쪽 화면과 같이

PC 의 IP 주소를 10.0.0.10 /

서브넷마스크를 255.0.0.0 으로 설정합니다.

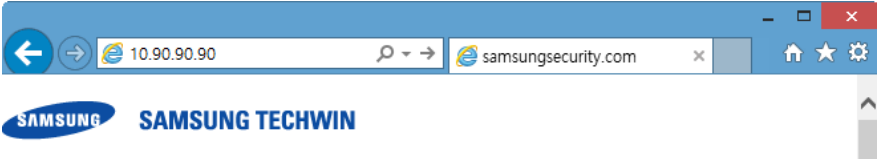
기본게이트웨이 및 DNS 서버 주소 값은
별로 입력하실 필요는 없습니다.



스위치 관리화면 접속

3. 웹브라우저 실행 및 관리 IP 입력

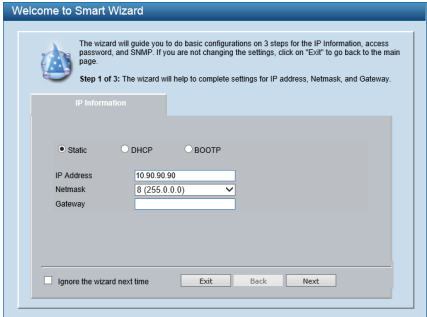
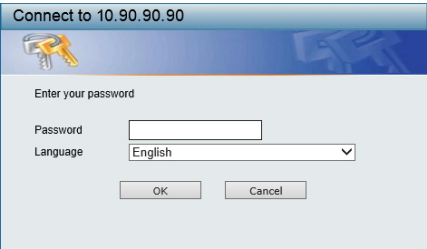
- ① IP 주소 설정이 완료된 PC 에서 웹브라우저를 실행합니다.
- ② 인터넷 주소 입력란에 10.90.90.90 (또는, http://10.90.90.90) 을 입력하고 [이동] 합니다.



4. 로그인 및 관리화면 접속

비밀번호 입력란에 "admin" (소문자) 을 입력 후, [OK] 버튼을 클릭합니다.

- ① 로그인 후, 자동으로 Smart Wizard 가 실행됩니다.
Smart Wizard 는 IP Information > Password Settings > SNMP Settings 의 3단계로 진행
 - IP Information : 스위치의 관리 IP 주소를 변경할 수 있습니다.
 - Password Settings : 스위치 설정화면 로그인 비밀번호를 변경할 수 있습니다.
 - SNMP Settings : SNMP 사용 여부를 변경할 수 있습니다.
- ② Smart Wizard 의 설정 내용은 세부 기능에서도 설정하실 수 있습니다.
- ③ Smart Wizard 를 종료하고 세부 기능으로 이동하시려면 [Exit] 버튼을 클릭합니다.

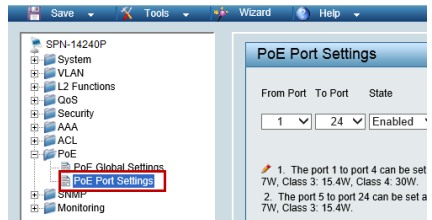


PTZ 카메라(PoE+) 연결시 포트설정

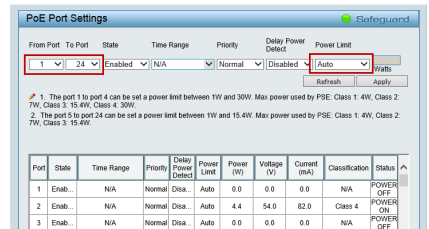
PoE+ 규격을 사용하는 PTZ 카메라 연결시, 카메라에 안정적인 PoE 전력공급을 위하여 해당 포트의 PoE Class 값을 "Class 4" 로 변경하여 주십시오. (기본 PoE Class : Auto)

설정 방법

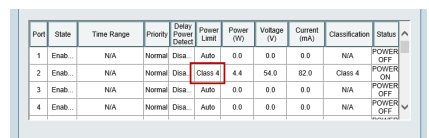
- ① 오른쪽 화면과 같이, 기능 설정 항목에서 [PoE] ► [PoE Settings] 메뉴를 클릭합니다.



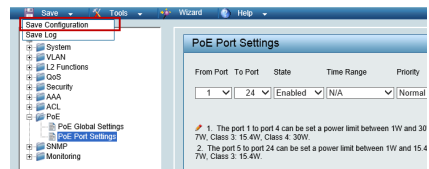
- ② [From Port] 와 [To Port] 항목의 값을 PTZ 카메라가 연결된 포트 번호로 변경하고 [Power Limit] 값을 [Class 4] 변경합니다.



- ③ [Apply] 버튼을 클릭하면, 오른쪽 그림과 같이 목록의 Power Limit 값이 변경/적용되었음을 확인할 수 있습니다.



- ④ 본 설정값을 유지하기 위하여 상단의 [Save] ► [Save Configuration] 메뉴를 클릭하고, [Save Config] 버튼을 클릭합니다.



※ 본 ④ 항의 과정을 하지 않을 경우, 제품의 전원이 켜다 꺼지는 등의 이유로 시스템이 재시작하면 저장하지 않은 설정은 모두 기본값으로 바뀝니다.

Network Switch

Installation Guide

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※ Design and specifications are subject to change without prior notice.

※ The default password can be exposed to a hacking thread so it is recommended to change the password after installing the product.

Note that the security and other related issues caused by the unchanged password shall be responsible for the user.

OVERVIEW

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/ accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lighting storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



OVERVIEW

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. DO NOT INSERT ANY METALLIC OBJECT THROUGH THE VENTILATION GRILLS OR OTHER OPENNINGS ON THE EQUIPMENT.

Apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

To prevent injury, this apparatus must be securely attached to the Wall/ceiling in accordance with the installation instructions.

CAUTION



CAUTION

RISK OF ELETRIC SHOCK.
DO NOT OPEN



CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK.
DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

EXPLANATION OF GRAPHICAL SYMBOLS

	The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
	The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

OVERVIEW

FOR SAFTY

Please read the following recommend safety precautions carefully.

- Do not place this apparatus on an uneven surface.
- Do not place this apparatus near conductive material.
- Do not attempt to service this apparatus yourself.
- Do not install near any magnetic sources.
- Do not block any ventilation openings.
- Do not place heavy items on the product.
- Do not expose the camera to radioactivity.

User's Manual is a guidance book for how to use the products.

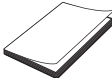
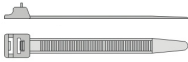
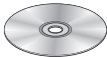
The meaning of the symbols are shown below.

- Reference : In case of providing information for helping of product's usages
- Notice : If there's any possibility to occur any damages for the goods and human caused by not following the instruction

* Please read this manual for the safety before using of goods and keep it in the safe place.

About

Unpacking

Contents			
Appearance	Item Name	Qty'	Description
	Network Switch	1	The Actual Product may be different from this image.
	Manual	1	Korean, English, Japanese
	Power Cord	1	
	Rack mounting Bracket	2	19" Rack
	Srew	8	Use these screws to fix Rack mounting Brackets to the switch.
	Rubber Feet	4	Attached on the bottom at each corner of the switch.
	Power Cord Retainer	1	To prevent accidental removal of the AC power cord, you can install this item.
	CD	1	Installation Guide

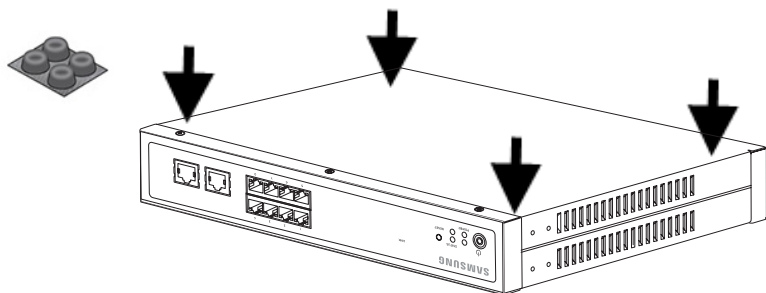
For Safe Switch Installation and operation,

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

Switch Installation

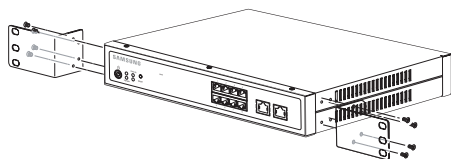
Desktop or Shelf Installation

The rubber feet included with the device must be attached on the bottom at each corner of the device's base.

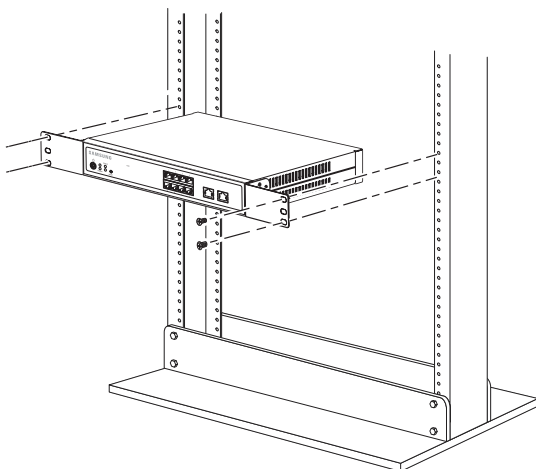


Rack Installation

1. To Install, attach the mounting brackets to the switch's side panels (one on each side) and secure them with screws provided.



2. Use the screws provide with the equipment rack to mount the switch in the rack.

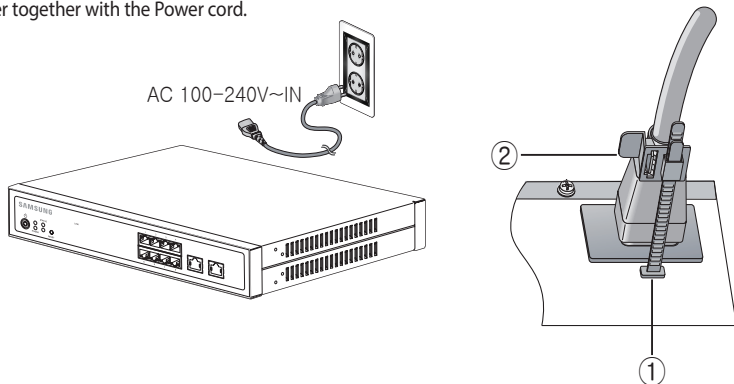


Switch Installation

Plugging the AC Power cord

You can now connect the AC Power cord into the rear of the switch and to an electrical outlet.

To prevent accidental removal of the AC Power cord, it is recommended to install the Power cord retainer together with the Power cord.



PoE Budget and Specification

SPN-12081P (Total PoE Budget : 78W)



1. All Ports support 802.3af (15.4W) and 802.3at (30W) standard.
2. You have to connect Cameras within 78W on the Power consumption.

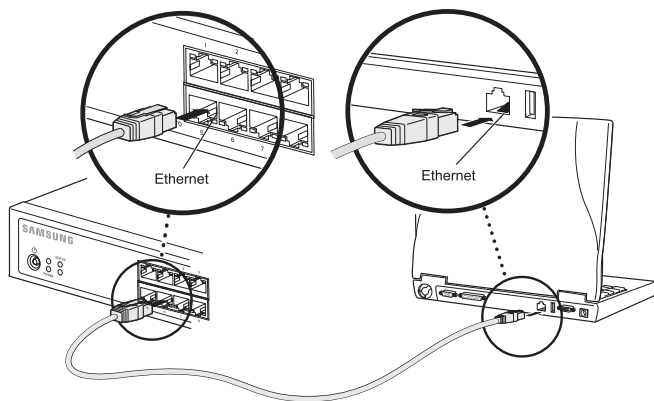
Web-based Management

After a successful physical installation, you can configure the switch, monitor the LED panel and display statistics graphically using a web browser.

(Internet Explorer version 8.0 and higher, Firefox, Chrome or Safari is compatible.)

1. Connecting the PC to the switch

Connect the Ethernet cable to any of Ports in front panel of the Switch and to the Ethernet Port on the PC.



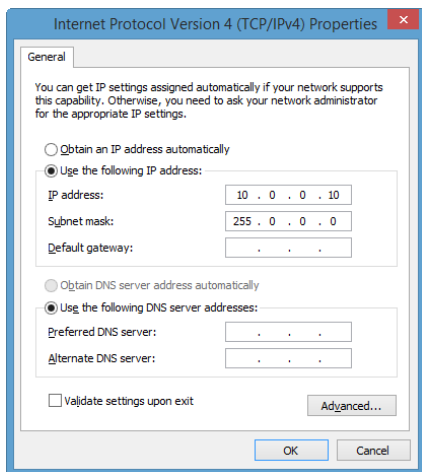
2. Setting the IP address on the PC

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, and a subnet mask of 255.0.0.0.

x/y : a number between 0 ~ 254

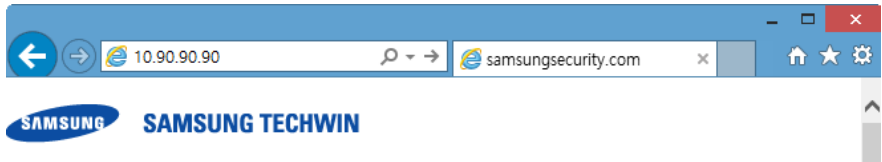
z : a number between 1 ~ 254



Web-based Management

3. Entering the IP address 10.90.90.90 in the web browse

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

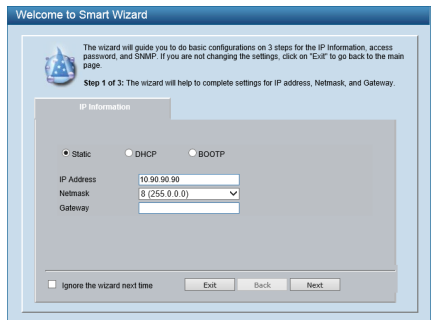


4. Login

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

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.

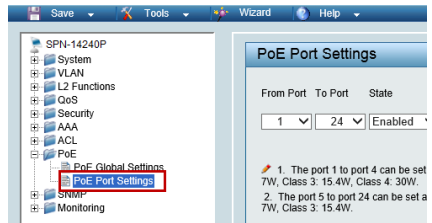


Setting the PoE Class for PTZ

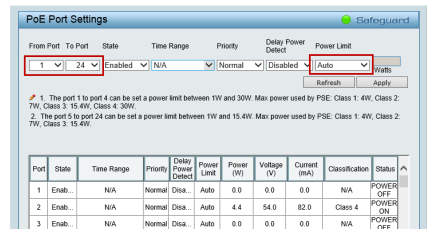
When you have to connect the PTZ camera with 802.11at (30W), you need to change the Power Class value to "class 4" manually. (Default PoE Class Value is "Auto".)

Configuring the PoE Class Option

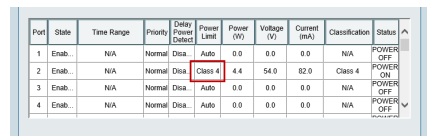
1. Click the PoE manu and then click the PoE Port settings.



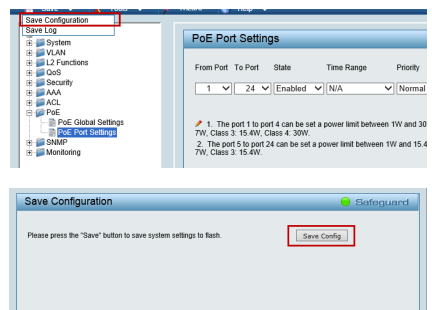
2. Select the Port number connected with PTZ camera on the From Port and To Port option. And, change Power Limit option value to "Class 4".



3. To apply this changes, click the [Apply] Button. You can confirm this changes in the table below.



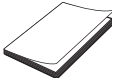
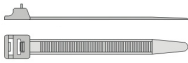
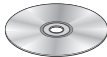
4. To save this value to Flash memory, Click the [Save Config] Button in the Save configuration manu of Save manu.



- When you don't save the changes finally and System may be rebooted, all changes are lost and restore to default value.

本書の内容

パッケージ内容

パッケージ内容			
外観	品名	数量	説明
	Network Switch	1	実際の製品はこのイメージと異なる場合があります。
	スタートガイド	1	韓国語、英語、日本語
	電源ケーブル	1	
	ラックマウントキット	2	19" ラック
	ねじ	8	スイッチにブラケットを固定するためにこれらのネジを使用してください。
	ゴム足	4	スイッチの各コーナーに下部に取り付けられている。
	電源コード抜け防止器具	1	
	CD	1	ユーザマニュアル

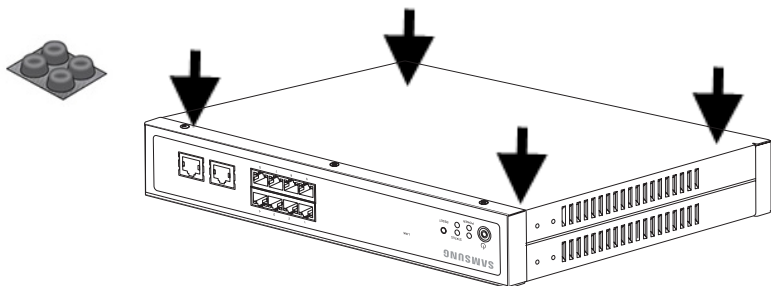
安全な設置のための注意事項

1. 電源ケーブルを本体の電源コネクタに確実に差し込んでください。
2. 本製品の周囲には、放熱と通気のために十分なスペースを確保してください。
3. 本製品の上に重たいものを置かないでください。

スイッチの設置

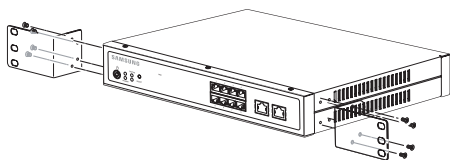
平置きおよび棚などへの設置

平置きおよび棚などに設置する場合は、付属のゴム足を本体底面の四隅に取り付けます。周囲には通気のために十分なスペースを確保し設置してください。

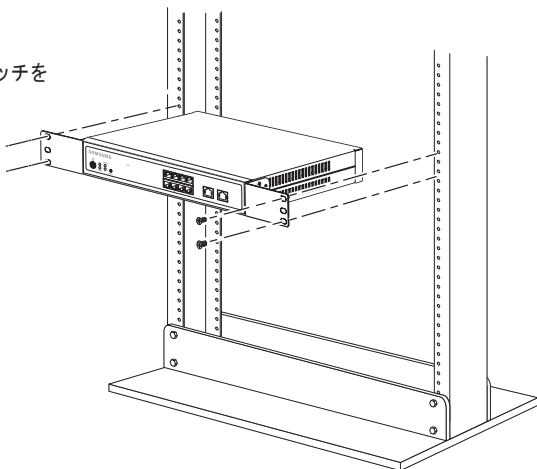


ラックに設置するとき

1. 本製品はEIA規格の19インチラックに取り付けることができ、サーバールームなどに設置する場合に便利です。はじめに、ラックマウントキットを付属のネジで本製品の両側面に取り付けます。



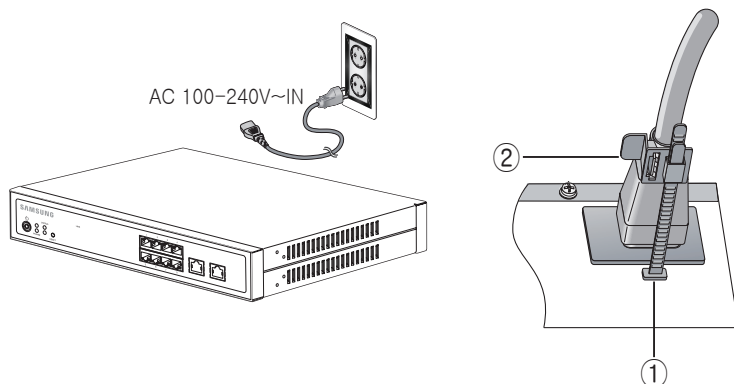
2. 次に、付属のネジを使用して、スイッチをラックに固定します。



スイッチの設置

電源ケーブルの接続

電源ケーブルを本体背面の電源コネクタに接続し、もう一方をコンセントに差し込みます。（コンセントはアース付きでサージ対策のあるものをおすすめします。）



総PoEの予算と仕様

SPN-12081P (総PoEの予算: 78W)



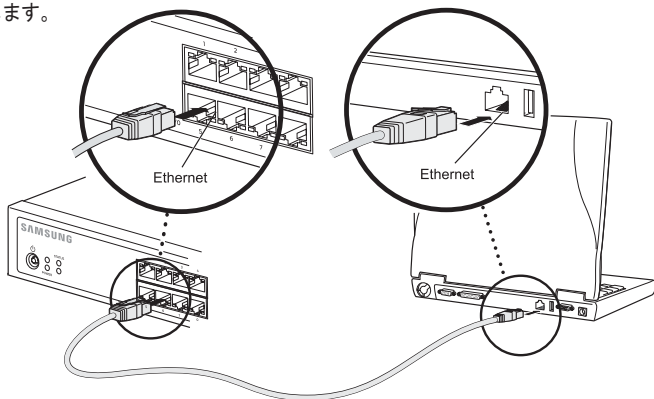
1. 1~8ポート: 30W
2. あなたは、消費電力で78W以内のカメラを接続する必要があります。

Webベース管理インターフェイス

Webブラウザを使って、スイッチの設定、ステータスLEDのモニタリング、統計情報のグラフ表示など
ができます。使用可能なブラウザは、Microsoft® Internet Explorer バージョン8.0以降、Firefox、
Chrome やSafari などです。

ステップ1 - スwitchにPCを接続する

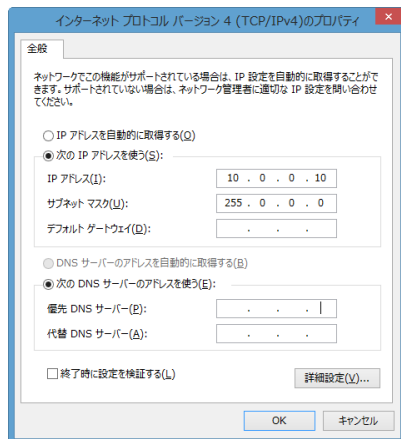
イーサネットケーブルを使って、スイッチ前面のいずれかのポートとコンピュータのイーサネットポ
ートを接続します。



ステップ2 - PCにIPアドレスを設定する

イーサネット接続経由でスイッチへのログインや設定を行なうには、PCはスイッチと同じ範囲内のIPア
ドレスを所有している必要があります。

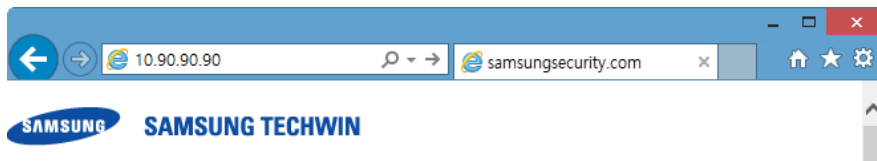
スイッチが 10.90.90.90のIPアドレスを
所有している場合、PCは10. x. y. z (x及びyは0~254、
zは1~254の値) でサブネットマスクは255. 0. 0. 0である
必要があります。



Webベース管理インターフェイス

ステップ3 - アドレス欄にhttp://10.90.90.90と入力し

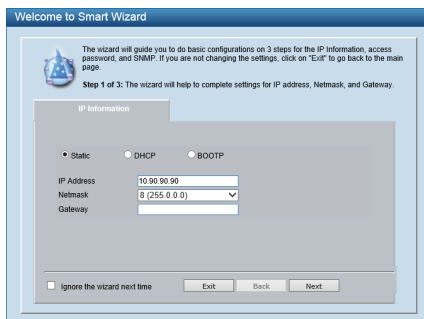
Webブラウザを起動し、アドレス欄に http://10.90.90.90 (初期設定のIPアドレス) と入力し、Enterキーを押します。



ステップ4 - ログインダイアログ

以下のようなログインダイアログが表示されたら、「Password」に「admin」と入力します。「OK」ボタンをクリックするとメイン設定画面が表示されます。

Webベースでの管理の前にSmart WizardでパスワードやSNMP、システムなどの設定ができます。初期設定を変更しない場合、ExitをクリックしてSmart Wizardを終了し、Webベース管理を開始してください。Smart Wizardでの機能設定の詳細については、ユーザマニュアルを参照してください。

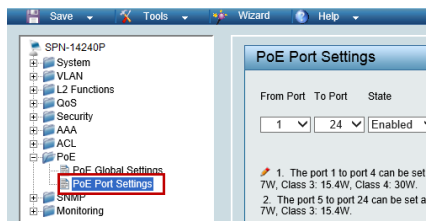


PTZ カメラ (PoE+) 連結時のポート設定

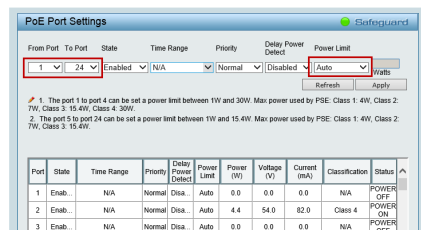
PoE+ファンクションの使いカメラの連結の時、カメラの安定的な電源供給のため、当ポートのPoEのClass設定を、'Class 4'に変更して下さい。(基本PoE Class : Auto)

設定の方法

- 1) 右のイメージと同じに、
[PoE] > [PoE Settings] メニューをクリックして下さい。



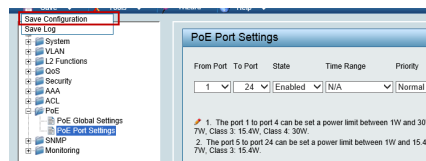
- 2) [From Port] と、[To Port]のナンバーを、
PTZカメラのポートに変更し、
また[Power Limit] で[Class 4]
を選択して下さい。



- 3) [Apply]ボタンをクリックして下さい。
それでは、右のイメージと同じ、以下の表の
Power Limit 設定が変更・適用されたことを
確認されます。

Port	State	Time Range	Priority	Delay Power Detect	Power Limit	Power (W)	Voltage (V)	Current (mA)	Classification	Status
1	Enab.	N/A	Normal	Disa.	Auto	0.0	0.0	0.0	N/A	POWER OFF
2	Enab.	N/A	Normal	Disa.	Class 4	4.4	54.0	82.0	Class 4	POWER ON
3	Enab.	N/A	Normal	Disa.	Auto	0.0	0.0	0.0	N/A	POWER OFF
4	Enab.	N/A	Normal	Disa.	Auto	0.0	0.0	0.0	N/A	POWER OFF

- 4) 当設定セーブのため、上の[Save] > [Save Configuration]をクリックし、[Save Config]ボタンを押して下さい。



- * 4)の項目をしない場合、予想外の停電などで、
本品のシステムが再起動する時、
セーブしなかった設定は全て初期化されます
ので、注意して下さい

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。



付适用于海拔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 está 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 periódicoamente 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

Český [Czech]	Samsung Techwin co.,Ltd tímto prohlašuje, že tento je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Dansk [Danish]	Undertegnede Samsung Techwin co.,Ltd erklærer hermed, 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 ΠΑΡΟΥΣΑΣamsung 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 deklaruojame, 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, jiddiklara li dan jikkonforma mal-higiġijiet essenzjali u ma provvedimenti oħraġen relevanti 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 oświadczam, 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.

NEDERLANDS

NL



Dit symbool op het product of de verpakking betekent dat dit product volgens de plaatselijke wetgeving niet mag worden weggegooid met het huisvuil. Het product moet worden afgevoerd op een afvalpunt dat hiervoor is bestemd. Door het product en de verpakking op deze manier te recyclen 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 wyrzucić 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 ludzkie 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 zminimalizowania 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 wyłączały z użytku swoje produkty Samsung Technwin, gdy nie są one wykorzystywane. Postępując w ten sposób pozwalają Państwo oszczędzać energię i zmniejszać emisje 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 tomu účelu. Některá sběrná místa přijímají výrobky zdarma. Recyklací výrobku i obalu pomáháte 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 jste své výrobky značky Samsung Technwin vypnuli nebo vytáhli ze zásuvky vždy, když je nepoužíváte. Pomůžeme 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 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 desechos 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.

MAGYAR

HU



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 segíti 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 hatás 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 táplálóról, ha nem használja azokat. Ezzel segít az energia megtakarításában és a szén-dioxid kibocsátásának csökkentésében.

NORSK

NO



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.

DANSK

DK



Dette symbol på produktet eller emballagen betyder, at dette produkt i henhold til lokale love og regler ikke må bortkastes som husholdningsaffald. Deres produkt skal indleveres til et indsamlingssted 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 indlevere 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-udledningerne.

SUOMI

FI



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 viralta/hesteä tai sammutat ne aina, kun ne eivät ole käytössä. Toimimalla näin autat säästämään energiaa ja vähentämään hiilidioksidipäästöjä.

SVENSKA

SE



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 utsedet 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.

PORTUGUÊS

PT



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 estes 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 proteger 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.

РУССКИЙ

RU



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 легкоперерабатываемые и низкотоксичные материалы как для изготовления самих продуктов, так и их упаковок.

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- 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-12081P	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

대구영업소 TEL: 053-742-3098

부산영업소 TEL: 051-640-8233

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)
- 5) 소모품 교체시

삼 성 테 크 윈 주 식 회 사



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