

TSW101 First Start

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This Wiki page contains the online version of the **Quick Start Guide (QSG)** for the **TSW101 Switch**. Here you will find an overview of the various components found on the front and back sides of a TSW101 switch, basic hardware installation, device specifications and general safety information. It is highly recommended that you acquaint yourself with the Quick Start Guide before using the device. If you own a TSW101 switch, you can also find a printed version of the Quick Start Guide in the device's package.



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Front view

No.	Description	
1	2 pin power socket	
2	Power LED	
3	LAN LEDs	
4	PoE powered Ethernet port	
5	Ethernet port	

Back view

No.	Description	
1	Grounding screw	

Connectors

2 pin power socket

No.	Description	Wire color	
1	Power	Red	<input checked="" type="checkbox"/>
2	Ground	Black	<input type="checkbox"/>

Ethernet port

No.	Action	Description	
1	Orange LED lit	10/100 Mbps link established	<input type="checkbox"/>
1	Orange LED blinking	Active link connection	<input checked="" type="checkbox"/>
2	Green LED lit	1000 Mbps link established	<input type="checkbox"/>

Hardware installation

1. Connect your main internet router/modem to TSW101 LAN port number 5.
2. Connect end devices (ex. IP camera) to TSW101 1 to 4 port, which you want to power via Ethernet.
3. Connect the wires to the 2-PIN industrial DC power socket on TSW101.



Technical information

Technical specifications

Input voltage range	9 - 30 V
Max power consumption (no PoE devices connected)	<2.2 W
Max PoE power budget at PSE*	60 W
Max Ethernet cable length	100 m

* Depends on connected power source. (30 W (max.) @ 12 VDC for total PD consumption; 30 W (max.) for each PoE port ; 60 W (max.) @ 24 VDC for total PD consumption; 30 W (max.) for each PoE port).

PoE standards

This device uses PoE alternative B.

The difference between PoE alternative A and alternative B

Alternative A:

802.3af and 802.3at Alternative A connection. The power sourcing equipment applies a positive voltage to pins 1-2 and a negative voltage to pins 3-6.

802.3af/at Alternative A:

Pins at switch	T568A Color	T568B Color	10/100 Alternative A, mixed DC & data	1000 (1 gigabit) Alternative A, DC & bi-data
Pin 1	white/green stripe	white/orange stripe	Rx +	TxRx A +
Pin 2	green solid	orange solid	Rx -	TxRx A -
Pin 3	white/orange stripe	white/green stripe	Tx +	TxRx B +
Pin 4	blue solid	blue solid	Unused	TxRx C +
Pin 5	white/blue stripe	white/blue stripe	Unused	TxRx C -
Pin 6	orange solid	green solid	Tx -	TxRx B -
Pin 7	white/brown stripe	white/brown stripe	Unused	TxRx D +
Pin 8	brown solid	brown solid	Unused	TxRx D -

Alternative B:

802.3af and 802.3at Alternative B connection. The power sourcing equipment applies a positive voltage to pins 4-5 and a negative voltage to pins 7-8.

802.3af/at Alternative B:

Pins at switch	T568A Color	T568B Color	10/100 Alternative B, DC on spares	1000 (1 gigabit) Alternative B, DC & bi-data
Pin 1	white/green stripe	white/orange stripe	Rx +	TxRx A +
Pin 2	green solid	orange solid	Rx -	TxRx A -
Pin 3	white/orange stripe	white/green stripe	Tx +	TxRx B +
Pin 4	blue solid	blue solid	DC +	TxRx C +
Pin 5	white/blue stripe	white/blue stripe	DC +	TxRx C -
Pin 6	orange solid	green solid	Tx -	TxRx B -

Pin 7	<input checked="" type="checkbox"/> white/brown stripe	<input checked="" type="checkbox"/> white/brown stripe	DC -	TxRx D +	DC -
Pin 8	<input checked="" type="checkbox"/> brown solid	<input checked="" type="checkbox"/> brown solid	DC -	TxRx D -	DC -

Safety information

The TSW101 switch must be used in compliance with any and all applicable national and international laws and with any special restrictions regulating the utilization of the communication module in prescribed applications and environments.

[EN] English	Hereby, TELTONIKA declares that this TSW101 is in compliance with the essential requirements and other relevant provisions of Directive CE/RED.
[BF] Bulgarian	С настоящето, TELTONIKA декларира, че TSW101 е в съответствие със съществените изисквания и другите приложими разпоредби на Директива CE/RED.
[CZ] Czech	TELTONIKA tímto prohlašuje, že TSW101 splňuje základní požadavky a všechna příslušná ustanovení Směrnice CE/RED.
[DE] German	Hiermit erklärt TELTONIKA dass sich das Gerät TSW101 in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie CE/RED befindet.
[DK] Danish	Undertegnede TELTONIKA erklærer herved, at følgende udstyr TSW101 overholder de væsentlige krav og øvrige relevante krav i direktiv CE/RED.
[EE] Estonian	Käesolevaga kinnitab TELTONIKA seadme TSW101 vastavust direktiivi CE/RED põhинouetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
[ES] Spanish	Por la presente, TELTONIKA declara que este TSW101 cumple con los requisitos esenciales y otras exigencias relevantes de la Directiva CE/RED.
[FI] Finish	TELTONIKA vakuuttaa täten että TSW101 tyypin laite on direktiivin CE/RED oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
[FR] French	TELTONIKA déclare que cette TSW101 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive CE /RED.
[GR] Greek	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Ο ΚΑΤΑΣΚΕΥΑΣΤΗΣ TELTONIKA ΔΗΛΩΝΕΙ ΟΤΙ TSW101 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ CE/RED.
[HU] Hungarian	A TELTONIKA ezzennel kijelenti, hogy a TSW101 típusú berendezés teljesíti az alapvető követelményeket és más CE/RED irányelvben meghatározott vonatkozó rendelkezéseket.
[IT] Italian	Con la presente TELTONIKA dichiara che questo TSW101 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva CE/RED.
[LT] Lithuanian	Šiuo dokumentu UAB TELTONIKA deklaruoją, kad šis TSW101 atitinka esminius reikalavimus ir kitas CE/RED Direktyvos nuostatas.
[LV] Latvian	Ar šo TELTONIKA deklarē, ka TSW101 atbilst Direktīvas CE/RED būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
[NL] Dutch	Hierbij verklaart TELTONIKA dat het toestel TSW101 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn CE/RED.
[NO] Norwegian	TELTONIKA Erklærer herved at TSW101 er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv CE/RED.
[PL] Polish	Niniejszym TELTONIKA deklaruje że TSW101 jest zgodny z zasadniczymi wymaganiami i innymi właściwymi postanowieniami Dyrektywy CE/RED.
[PT] Portuguese	Eu, TELTONIKA declaro que o TSW101 cumpre os requisitos essenciais e outras provisões relevantes da Directiva CE/RED.

[RO] Romanian	Prin prezenta, TELTONIKA declară că aparatul TSW101 este în conformitate cu cerințele esențiale și cu alte prevederi pertinente ale Directivei CE/RED.
[SE] Swedish	Härmed intygar TELTONIKA att denna TSW101 är i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv CE/RED.
[SI] Slovenian	TELTONIKA izjavlja, da je ta TSW101 v skladu z bistvenimi zahtevami in drugimi relevantnimi določili direktive CE/RED.

The full text of the EU declaration of conformity is available at this Wiki via the following address:
https://wiki.teltonika-networks.com/view/TSW101_CE/RED

[EN] Instruction Manual: Connect the power adapter to turn on the device. Open 192.168.1.1 in your web browser to configure it. More information on <https://wiki.teltonika-networks.com>

[BG] Инструкция: Свържете адаптера на захранване, за да включите устройството. Отворете 192.168.1.1 в уеб браузър, за да настроите продукта. Повече информация в <https://wiki.teltonika-networks.com>

[CZ] Návod k použití: Připojte napájecí adaptér k zapnutí přístroje. Otevřete 192.168.1.1 ve webovém prohlížeči pro konfiguraci produktu. Více informací najdete v <https://wiki.teltonika-networks.com>

[DE] Bedienungsanleitung: Verbinden Sie das Netzteil, um das Gerät einzuschalten. Öffnen Sie 192.168.1.1 in einem Web Browser, um das Produkt zu konfigurieren. Weitere Informationen im <https://wiki.teltonika-networks.com/>

[DK] Instruktionsbog: Tilslut strømadapteren for at tænde for enheden. Åbn 192.168.1.1 i en webbrowser til at konfigurere produktet. Mere information i <https://wiki.teltonika-networks.com>

[EE] Kasutusjuhend: Ühendage toiteadapter seadme sisselülitamiseks. Avatud 192.168.1.1 in veebilehitseja seadistada toodet. Rohkem teavet <https://wiki.teltonika-networks.com>

[ES] Manual de instrucciones: Conecte el adaptador de alimentación para encender la unidad. Abra 192.168.1.1 en un navegador web para configurar el producto. Más información en <https://wiki.teltonika-networks.com>

[FI] Käyttöohje: Kytke virtalähde päälle laitteeseen. Avaa 192.168.1.1 selaimen määrittää tuotteen. Lisää tietoa <https://wiki.teltonika-networks.com>

[FR] Mode d'emploi: Connectez l'adaptateur d'alimentation pour allumer l'appareil. Ouvrez 192.168.1.1 dans un navigateur Web pour configurer le produit. Plus d'informations dans <https://wiki.teltonika-networks.com>

[GR] εγχειρίδιο οδηγιών: Συνδέστε τον προσαρμογέα τροφοδοσίας για να ενεργοποιήσετε τη μονάδα. Ανοίξτε 192.168.1.1 σε ένα πρόγραμμα περιήγησης στο Web για να διαμορφώσετε το προϊόν. Περισσότερες πληροφορίες στο <https://wiki.teltonika-networks.com>

[HU] Használati utasítás: Csatlakoztassa a hálózati adaptort a készülék bekapcsolásához. Megnyitása 192.168.1.1 egy webböngészőben beállítani a terméket. Több információ <https://wiki.teltonika-networks.com>

[IT] Manuale di istruzioni: Collegare l'adattatore di alimentazione per accendere l'unità. Aprire 192.168.1.1 in un browser Web per configurare il prodotto. Maggiori informazioni in <https://wiki.teltonika-networks.com>

[LT] Naudojimosi instrukcija: Prijunkite maitinimo adapterį, ijjunkite įrenginį. Interneto naršyklėje atidarykite adresą 192.168.1.1 - galite konfigūruoti gaminį. Daugiau informacijos rasite <https://wiki.teltonika-networks.com>

[LV] Lietošanas instrukcija: Pievienojiet Strāvas adapteri, lai ieslēgtu ierīci. Atvērt 192.168.1.1 ar interneta pārlūku, lai konfigurētu produktu. Plašāka informācija <https://wiki.teltonika-networks.com>

[NL] Handleiding: Sluit voedingsadapter aan op het apparaat in te schakelen. Open 192.168.1.1 in een webbrowser om het product te configureren. Meer informatie in <https://wiki.teltonika-networks.com>

[NO] Bruksanvisningen: Koble strømadapteren for å slå på enheten. Åpne 192.168.1.1 i en nettleser for å konfigurere produktet. Mer informasjon på <https://wiki.teltonika-networks.com>

[PL] Instrukcja obsługi: Podłącz adapter zasilania, aby włączyć urządzenie. Otwórz 192.168.1.1 w przeglądarce internetowej, aby skonfigurować urządzenie. Więcej informacji w <https://wiki.teltonika-networks.com>

[PT] Manual de instruções: Conecte o adaptador de alimentação para ligar o aparelho. Abra 192.168.1.1 em um navegador da web para configurar o produto. Mais informações em <https://wiki.teltonika-networks.com>

[RO] Instrucțiuni de utilizare: Conectați adaptorul de alimentare pentru a porni aparatul. Deschide 192.168.1.1 într-un browser web pentru a configura produsul. Mai multe informații în <https://wiki.teltonika-networks.com>

[SE] Instruktionsmanual: Anslut nätadaptern för att slå på enheten. Öppna 192.168.1.1 i en webbläsare för att konfigurera produkten. Mer information på <https://wiki.teltonika-networks.com>

[SI] Navodila: Priključite napajalnik za vklop naprave. Odprite 192.168.1.1 v spletnem brskalniku nastaviti izdelek. Več informacij v <https://wiki.teltonika-networks.com>

[SK] NávoZd na použitie: Pripojte napájací adaptér k zapnutiu prístroja. Otvorte 192.168.1.1 vo webovom prehliadači pre konfiguráciu produktu. Viac informácií nájdete v <https://wiki.teltonika-networks.com>

For more information visit www.teltonika-networks.com



This sign on the package means that all used electronic and electric equipment should not be mixed with general household waste

 This sign means that product meets the requirements of the applicable EU directives.