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You can read the recommendations in the user guide, the technical guide or the installation guide for LINKSYS EZXS55W. You'll find the answers to all your questions on the LINKSYS EZXS55W in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual LINKSYS EZXS55W
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Instant EtherFast® Series

EtherFast® 10/100 5-Port Workgroup Switch



Use This User Guide To Install This Linksys Product:

- EtherFast® 10/100 5-Port Workgroup Switch (EZXS55Wv2)

User Guide

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Manual abstract:

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Apply this switching power to your 10BaseT network, and your data traffic efficiency improves several times over. Connect your file server to the Switch's autosensing ports, and speed up access time for all your users in just one move. And when you're ready, switch your way to full duplex speeds of up to 200Mbps--the speed is yours! Every Switch packs a complete suite of advanced data error detection and correction features for surefire communication every time. Auto partitioning, data collision control, preamble regeneration and incoming frame retiming ensure that not a single bit is lost during even the heaviest moments of network traffic. Built to last, your new EtherFast 10/100 Switch delivers optimal high-end video, gaming, multimedia, database, and other speed-intensive applications at blazing speeds. · EtherFast 10/100 5-Port Workgroup Switch (EZXS55W v2) 1 Instant EtherFast® Series 10/100 5-Port Workgroup Switch Hardware Installation Planning Your Network Layout Building a Fast Ethernet network involves more topology rules in addition to the 10BaseT network rules. These rules specify distance limitations and cabling specifications. Data loss, collisions, and other network problems causing down time are likely to occur if the rules below are not followed. · Use Category 5 UTP (EIA 568, Cat 5) Ethernet cabling with four pairs of wires and RJ-45 tips for all Fast Ethernet connections. · Use the chart below to position your switches, hubs and workstations.

From Switch Hub Switch or Hub To Switch or Hub* Hub* Workstation 1 Maximum Distance 100 meters (328 feet) 1 5 meters (16.4 feet) 1 100 meters (328 feet) 1 Configuration A shows one possible way to set up an EtherFast Switch in a Fast Ethernet environment. Note that the Switch requires Category 5 UTP network cabling for all its connections, like all Fast Ethernet network hardware. All of the workstations below can access all resources on the network 10Mbps users can access the 100Mbps nodes, and vice versa. While allowing the 10Mbps and 100Mbps segments to communicate, the Switch optimizes data traffic by switching the data packets to their destination through the quickest route possible, which improves performance up to 80% even on the faster 100Mbps network segment. *Hub refers to any type of 100Mbps hub, including regular hubs and stackable hubs. A 10mbps hub connected to another 10mbps hub can span up to 100 meters (328 feet). · No more than two hubs should be uplinked in a row in a Fast Ethernet network. @@@@Make sure that you have received all of the items listed below. @@@@See page 10 for more details on cabling.*

@@@@@Each time your Switch powers up, it will run a Diagnostic/Self-Test. After the test, the Power LED will light up. @@@@full or half duplex, 10mbps or 100mbps. @@@@With switched segmentation, your 100mbps users will not be slowed down by the users on the 10mbps segment. · Run 10Mbps Peripherals in Your Fast Ethernet Network Most of the network peripherals in place today run at 10mbps, since 10BaseT has been the standard network speed to date.

These peripherals, designed to operate at 10mbps, cannot readily communicate with 100BaseTX equipment. A 10mbps interface is also required for cable and DSL connections, which are quickly becoming very popular ways to access the Internet. Your 10/100 Switch provides your 10BaseT equipment and cable and DSL lines with a 10Mbps interface while still running your Fast Ethernet devices at 100mbps. · Strengthen Data Transfers Through Signal Regeneration Your Switch functions as a repeater, which regenerates data signals as they pass through it.



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This feature acts as a safeguard to deter data loss and ensure that transmissions arrive at their destination intact.

Switches positioned between hubs can preserve your data's integrity and eliminate your need to buy and use repeaters in your Fast Ethernet network. About Fast Ethernet History of Fast Ethernet Standard Ethernet has been the most popular networking technology during this past decade, with a maximum data throughput of 10Mbps. But the Ethernet standard has fallen out of favor as today's massive graphics, multimedia, and other data-intensive applications have magnified the problem of lagging network performance. Fast Ethernet now dominates as the most viable and economical solution to resolve the problem of network speed over all other market alternatives. Capable of sending and receiving data at 100 Mbps, its bandwidth more than accommodates even the most intensive real-time applications. Also known as 100BaseTX, Fast Ethernet supports high speed signaling and gives users an efficient and affordable built-in uplink port that is crossed internally, which allows you to link or connect hubs together with a straight-through cable instead). You can buy pre-made Category 5 cabling, or cut and crimp your own. Category 5 cables can be purchased or crimped as either straight-through or crossover cables. A Category 5 cable has 8 thin, color-coded wires inside that run from one end of the cable to the other. All 8 wires are used.

In a straight-through cable, wires 1, 2, 3, and 6 at one end of the cable are also wires 1, 2, 3, and 6 at the other end. In a crossover cable, the order of the wires change from one end to the other: wire 1 becomes 3, and 2 becomes 6. See the diagrams on the next page for more detailed information on straight-through and crossover cabling. Crimping Your Own Network Cables To determine which wire is wire number 1, hold the cable so that the end of the plastic RJ-45 tip (the part that goes into a wall jack first) is facing away from you. @@@@ @@@@ If the product proves defective during this warranty period, contact Linksys Customer Support to obtain a Return Authorization number. When returning a product, mark the Return Authorization number clearly on the outside of the package and include your original proof of purchase. IN NO EVENT SHALL LINKSYS' LIABILITY EXCEED THE PRICE PAID FOR THE PRODUCT FROM DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, ITS ACCOMPANYING SOFTWARE, OR ITS DOCUMENTATION. LINKSYS OFFERS NO REFUNDS FOR ITS PRODUCTS. Tampering with or disassembling this product voids its warranty. Linksys makes no warranty or representation, expressed, implied, or statutory, with respect to its products or the contents or use of this documentation and all accompanying software, and specifically disclaims its quality, performance, merchantability, or fitness for any particular purpose.

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