

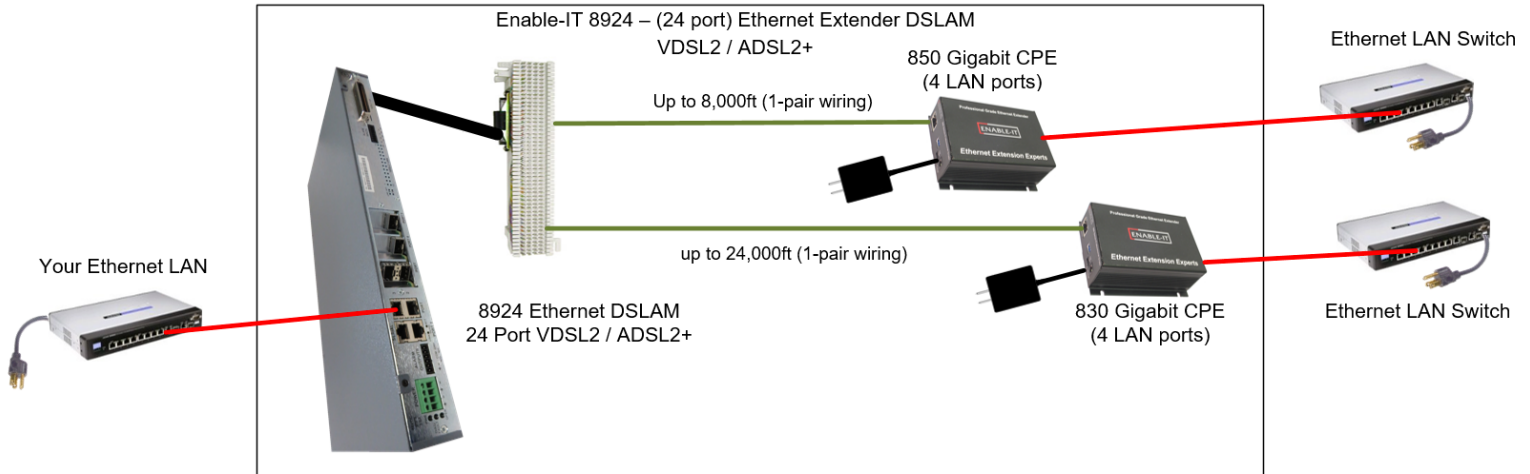
Enable-IT 8924 Ethernet DSLAM Quickstart Guide



Professional Grade Networking

INSTALLING THE 8924 ETHERNET DSLAM - 24 PORT

The Enable-IT 8924 Ethernet DSLAM is designed to deliver dedicated high speed Ethernet up to 24,000ft (7.31km) over 1-pair wiring from 8924 to the 850 CPE or 830 CPE. Therefore a site survey of the wiring and installation planning are highly recommended. For highest performance use CAT5e rated or higher spec for interlink wiring.



The Overview Diagram: This diagram shows the contents of the product box inside the rectangle. Devices outside the rectangle above are your equipment that can be attached.

We recommend that you perform a quick out of the box test to ensure the working order of your Enable-IT 8924 and your selected CPE prior to installing. This will also serve to familiarize you with how easy the process should be.

Follow the steps below to perform the Out Of the Box Test.

Step 1 - Connect the provided RJ-21 50-pin (25-pair) cabling to the RJ-21 Interface on the back of the 8924 and other end to your breakout box or telephone punchdown block.

Step 2 - Connect your CPE unit/s to the 8924 connected RJ-21 breakout box or telephone punchdown block. The 8924 is configured to look for your VDSL2 or ADSL2+ CPE and the LED indicators on the rear of the 8924 will provide visual operational status of the CPE/s. You can use a Ethernet Patch cord to connect the CPE to a telephone punchdown block by cutting off one RJ-45 head, using a telco punchdown tool match the pin pair or color of the wire for the RJ-45 Pins 1 & 2 to the punchdown block. The other end, insert into the CPE. See Pinout chart on page 3 for details.

Step 3 - Power up both the 8924 and your test CPE Units. The Green Sync LED on the CPE will start flickering slowly and then fast as the 8924 and CPE talk to each other. After a few seconds you should see a solid Green Interlink Sync LED to confirm a link is established.

This confirms basic proper operation of the units.

The 8924 is configured to use LAN port 2 for Uplink to your network and the Diagnostic LED will show lit if no out of band management lan is connected. You will need to use the Out of Band LAN port for any config changes.

8924 RJ-21 Pinouts

Pin	Function	Pin	Function
1	Channel 1 ring	26	Channel 1 tip
2	Channel 2 ring	27	Channel 2 tip
3	Channel 3 ring	28	Channel 3 tip
4	Channel 4 ring	29	Channel 4 tip
5	Channel 5 ring	30	Channel 5 tip
6	Channel 6 ring	31	Channel 6 tip
7	Channel 7 ring	32	Channel 7 tip
8	Channel 8 ring	33	Channel 8 tip
9	Channel 9 ring	34	Channel 9 tip
10	Channel 10 ring	35	Channel 10 tip
11	Channel 11 ring	36	Channel 11 tip
12	Channel 12 ring	37	Channel 12 tip
13	Channel 13 ring	38	Channel 13 tip
14	Channel 14 ring	39	Channel 14 tip
15	Channel 15 ring	40	Channel 15 tip
16	Channel 16 ring	41	Channel 16 tip
17	Channel 17 ring	42	Channel 17 tip
18	Channel 18 ring	43	Channel 18 tip
19	Channel 19 ring	44	Channel 19 tip
20	Channel 20 ring	45	Channel 20 tip
21	Channel 21 ring	46	Channel 21 tip
22	Channel 22 ring	47	Channel 22 tip
23	Channel 23 ring	48	Channel 23 tip
24	Channel 24 ring	49	Channel 24 tip
25	Not used	50	Not used

8924 Web Console Access

The 8924 has a built in Web management interface to change or customize the setup of the DSLAM. Users are able to login the web management system with any standard web browser, such as, Internet Explorer, Firefox, etc. You will need to use the Out of Band LAN port for any config changes.

Default IP Address: 192.168.10.1 Username: admin Password: zhone

Note: Please make sure the IP address is correct once the IP of the management web site is changed. Please download the full 8924 manual [here](#) for detailed setup.

Performing the On-Site Installation

After removing the Enable-IT 8924 Ethernet DSLAM Kit from the box, and performing the Out Of The Box Testing (OOTBT), all that remains to install the unit on-site is to mount the unit, build the interconnect wiring, add voice lines if needed, and attach the LAN device cabling with the provided Ethernet Patch cords.

Mounting the Enable-IT 8924 Ethernet DSLAM Units

The Enable-IT 8924 extended Ethernet solution is designed for quick wall mounting. Choose a location to mount each of the Enable-IT 8924's where the maximum distance does not exceed 24,000ft (7.31km) total between devices to be connected. When wall-mounting the Enable-IT 8924 unit it is recommended that you use the appropriate screw anchors for your mounting surface. If mounting on existing plywood use wood screws; if mounting onto drywall or sheetrock, use plastic drywall anchors to secure your installation.

Troubleshooting

First examine the backbone wiring pair and make sure you have solid connections. The Interlink Sync LED will be lit solid Green on each 8924 unit. The units sync instantly and have no delay. If either fail to light up.... Then follow the steps below:

- 1) Make sure your wiring is straight through and not connected to any Telco punch down blocks; If so remove from the block and use Telco butt clips to bridge wire.
- 2) Check for a firm connection of the RJ-45 connections in each 8924 unit, and power is applied to the 8924 CO & CPE units.
- 3) **You can easily isolate any issue by performing an Out Of The Box Test (OOTBT). This test will confirm the correct working order of your Enable-IT 8924 Ethernet DSLAM Kit. This will point to a possible issue with your long distance Interlink wiring being affected by possible outside interference.**

TECHNICAL SUPPORT

Enable-IT, Inc.'s Customer Care Team support is available directly to customers and distributors. All support requests are processed through the online support portal. This allows us to provide assigned support ticket numbers in order to bring closure to any technical issues.

Online Technical Services

The Enable-IT Support Portal is available 24/7 to open a ticket or check the status of one. Please use this support website as your first source for help as it contains an on-line knowledge base of articles, documentation, FAQ's and other problem-solving resources. This web-based support resource provides the quickest solution to the most common technical support issues.

Returning Products for Warranty Repair

Enable-IT, Inc. warrants to the original purchaser of the Product ("you" or the "End User") that, for the four (4) year period commencing on the date the Product was purchased (the "Warranty Period"), the Product will be substantially free from defects in materials and workmanship under normal use and conditions. **Electrical or water damage is not covered under this warranty, extended warranties or Advanced Replacement Program (AREP).**

If you have questions or difficulty completing this information you may contact the Customer Care Team at 888-309-0910 between the hours of 8:00 a. m. and 5:00 p.m. PT.

Please ship Authorized RMAs to:

RMA Warranty Repair Processing Facility
16027 Brookhurst St, Suite G272
Fountain Valley, CA 92708-1551

ENABLE-IT, INC. LIMITED WARRANTY

Enable-IT, Inc. warrants the Enable-IT 8924 DSLAM solely pursuant to the following terms and conditions.

1.ENABLE-IT PRODUCT WARRANTY.

a. Express Warranty.

Enable-IT warrants to the original purchaser of the Product ("you" or the "End User") that, for a 4-Year period commencing on the date the Product was purchased (the "WarrantyPeriod"), the Product will be substantially free from defects in materials and workmanship under normal use and conditions. This warranty does not apply to Product, which are resold as used, repaired or reconditioned.

Electrical or water damage are not covered under this warranty, extended warranties or Advanced Replacement Program (AREP).

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b. Remedies for Breach of Warranty.

In the event of a breach of the foregoing warranty, Enable-IT will, in its sole discretion and at its cost, and subject to the terms of the following paragraph, repair the non-conforming Product, replace the non-conforming Product with a new or reconditioned Product or refund the purchase price for the Product. Any new or reconditioned Product provided pursuant to this paragraph is warranted as provided herein for the remainder of the original Warranty Period. **THE REMEDY SET FORTH IN THIS PARAGRAPH SHALL BE THE END USER'S SOLE AND EXCLUSIVE REMEDY FOR BREACH OF THE FOREGOING WARRANTY.**

c. Conditions for Warranty Qualification.

If authorized by Enable-IT to return a Product which does not conform to the warranty set forth above, the End User must: (1) obtain a return materials authorization (RMA) number from Enable-IT by contacting the Customer Service Dept. at 888-309-0910 between the hours of 7:00 a.m. and 5:00 p.m. PST and otherwise fully comply with Enable-IT's then-current RMA policy; (2) return the Product to Enable-IT in its original packaging freight pre-paid; and (3) provide to Enable-IT the original receipt or bill of sale establishing the date on which the Product was purchased. Products returned to Enable-IT without an RMA number will be returned to the End User. Enable-IT shall not be responsible for damage or loss during shipment of the returned Product to Enable-IT.

d. Voiding of Warranty.

The express warranty set forth above shall not apply to failure of the Product if the Product has been subjected to: (i) physical abuse, misuse, improper installation, abnormal use, power failure or surge, or use not consistent with the operating instructions provided by Enable-IT; (ii) modification (including but not limited to opening the Product housing) or repair by any party in any manner other than as approved by Enable-IT in writing; (iii) fraud, tampering, unusual physical or electrical stress, unsuitable operating or physical conditions, negligence or accidents; (iv) removal or alteration of the Product serial number tag; (v) improper packaging of Product returns; or (vi) damage during shipment (other than during the original shipment of the Product to the End User from Enable-IT, if applicable).

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