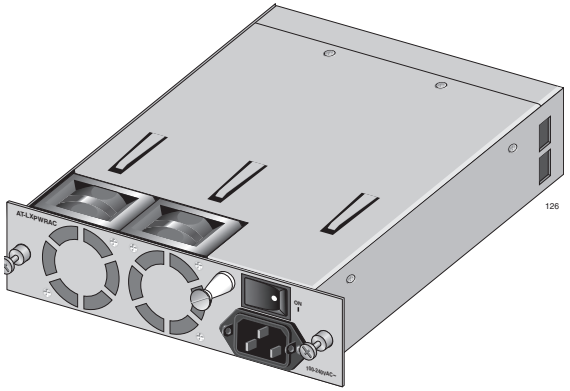
AT-LXPWR/AC Power Supply Installation Guide

Overview

The AT-LXPWR/AC Power Supply is designed for use in an AT-LX3800U Multi-Service Transport System. The AT-LXPWR/AC Power Supply shares the power load with the preinstalled power supply and also powers the unit if the main power supply fails. The power supply is hot swappable into and out of the system.

An AT-LX3800U Multi-Service Transport System can contain the following combinations of AC and DC power supplies:

- ❒ One AC *or* one DC in either slot
- ❒ One AC *and* one DC in either slot
- ❒ Two AC or two DC



Related Documents

For details on the features and functions of your Allied Telesyn AT-LX3800U Multi-Service Transport System, refer to the following documents on our web site, www.alliedtelesyn.com:

- ❒ *AT-LX3800U Multi-Service Transport System Installation and Maintenance Guide* (part number 613-50549-00)
- ❒ *AT-S65 Management Software User's Guide* (part number 613-50604-00)

Verifying Package Contents

Make sure that the correct components are included in your package:

- ❒ AT-LXPWR/AC Power Supply
- ❒ Power cord retaining clip
- ❒ AC power cord
- ❒ This installation guide
- ❒ Warranty card

If any item is missing or damaged, contact your Allied Telesyn sales representative for assistance.

Note

The AT-LX3800U chassis is shipped with one AT-LXPWR power supply in the leftmost (PWR A) position.

Installing the Power Supply

To install an additional AT-LXPWR/AC power supply, perform the following procedure:

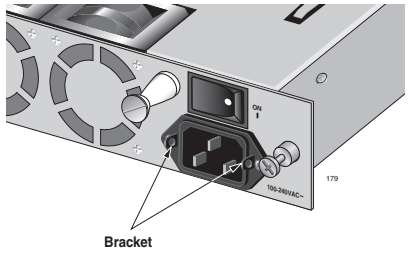
1. Remove the AT-LXPWR/AC unit from its shipping package and store the package in a safe place. You must use the original shipping package if you need to return the unit to Allied Telesyn.

Note

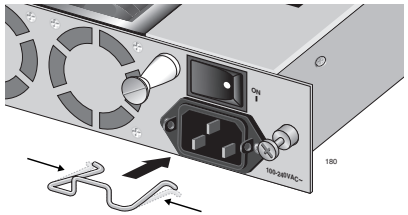
You can install a DC power supply in the PWR A or PWR B slot. The following procedure shows how to install it in the PWR B slot. Follow the same installation process to install a DC power supply in the PWR A slot.

2. Locate the power cord retaining clip.

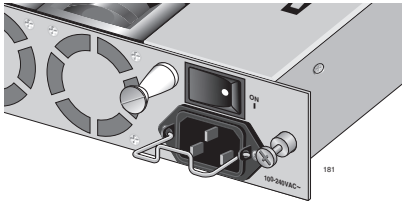
3. Locate the retaining bracket on each side of the AC power connector on the back of the power supply.



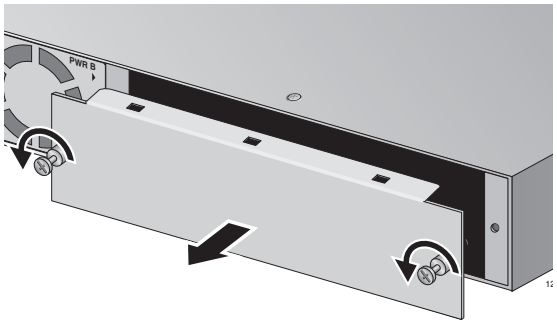
4. With the "u" of the clip facing up, press the sides of the clip toward the center and insert the short ends into the holes in the retaining bracket.



5. Verify that the retaining clip is in the correct position.

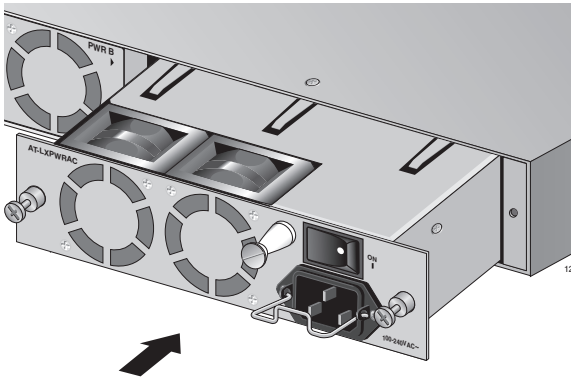


6. Use a Phillips head screwdriver to loosen the captive screws on the blank cover on the right side (labeled PWR B) of the back of the chassis and remove the cover.



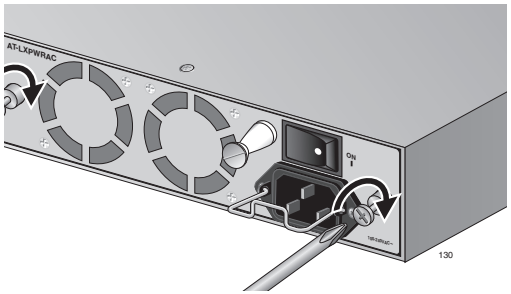
Keep the blank cover in a safe area in case you need to reinstall it later.

7. Slide the power supply into the opening.

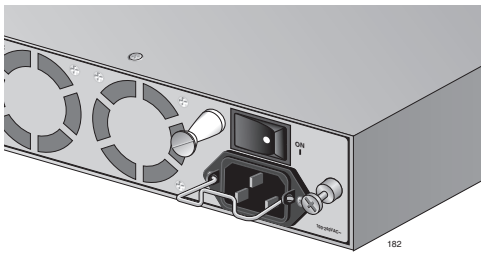


PN 613-50551-00 Rev. C

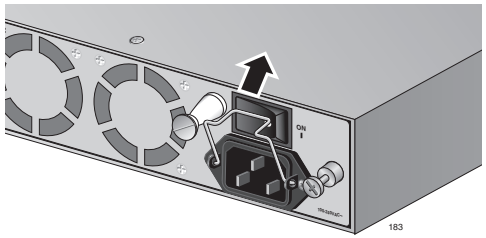
8. Use a Phillips head screwdriver to tighten the captive screws on the power supply.



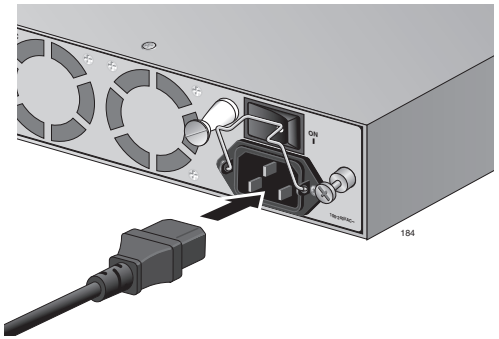
9. Make sure that the On/Off switch is in the Off position.



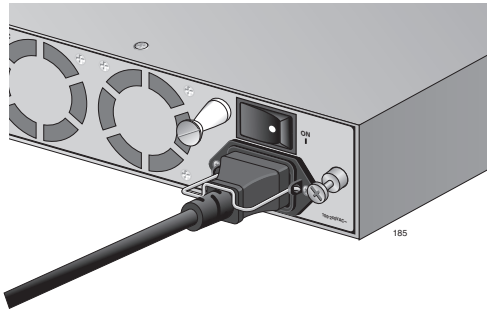
10. Position the power cord retaining clip in the up position.



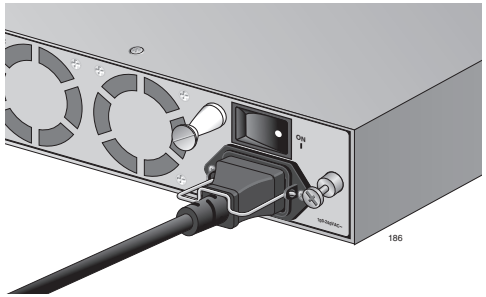
11. Plug the power cord into the AC power connector on the back of the power supply.



12. Secure the cord by lowering the power cord retaining clip.



13. Plug the other end of the AC power cord into a wall outlet.
14. Move the On/Off power switch to the On position.



Warning: Class I Equipment. This equipment must be earthed. The power plug must be connected to a properly wired earth ground socket outlet. An improperly wired socket outlet could place hazardous voltages on accessible metal parts.

Warning: Only trained and qualified personnel are allowed to install or to replace this equipment.

15. Verify that the PB (PWR B) LED on the front of the unit is green. If the PB LED is off or if the FT (Fault) LED is solid red, refer to Chapter 3, “Troubleshooting,” in the *AT-LX3800U Multi-Service Transport System Installation and Maintenance Guide*.

    When power is applied, the switch begins to load the AT-S65 software. The loading process takes approximately 20 to 30 seconds to complete.

    For more information about viewing the status of the AT-LXPWR/AC Power Supply using the AT-S65 management software, refer to the *AT-S65 Management Software User’s Guide*.

Specifications

Item	Specification
Dimensions (H x W x L)	40.6 x 156.2 x 201.4 mm (1.60 x 6.15 x 7.93 in.)
Operating Temperature	0° C to 40° C
Relative Humidity	<85% noncondensing
Supply Voltage	+3.15 V - +3.45 V

Electrical, Safety, and Emissions Statements

This product meets the following standards.

U.S. Federal Communications Commission

Radiated Energy
Note: This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of 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 instruction 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.
Note: Modifications or changes not expressly approved of by the manufacturer or the FCC, can void your right to operate this equipment.

Industry Canada

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.
Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

RFI Emissions EN 55022 Class A

Warning
In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Immunity EN 55024

Electrical Safety UL 60950 ($_{C}$UL$_{US}$), EN 60950 (TUV)