
PowerStar™ III Technical Specifications

Host Connection

IBM® S/3x (System 34, 36, 38), AS/400™ Host or AS/400™ Controllers

Physical Dimensions

8.6" x 6" x 1.7" (219 mm x 153 mm x 43 mm)
OR
17.0" x 7.5" x 1.7" (432 mm x 191 mm x 43 mm)

Input Power

Power Supply Adapter

AC Input:

TN PN	Requirement	Location
3500	120 volts, 60 hertz, 28 watts	USA/Canada/Mexico
3501	230 volts, 50 hertz, 28 watts	Europe
3506	240 volts, 50 hertz, 28 watts	United Kingdom
3508	100 volts, 50-60 hertz, 28 watts	Japan
3510	240 volts, 50 hertz, 28 watts	Australia

DC Output:

12 volts at 1.5 A maximum

MTBF:

116,000-140,000 hours (depending upon model)

Environment

Temperature: 0-50°C (32° to 122° F)
Humidity 10-90%, non condensing
Altitude 0-10,000 feet

Warranty

5 years

PowerStar™ III

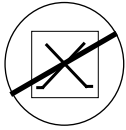
(PSIII-1/7-11, PSIII-1/7-45, PSIII-1/7-11-T,
PSIII-1/7-45-T, PSIII-2/14-11, PSIII-2/14-45,
PSIII-2/14-11-T, PSIII-2/14-45-T)

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For assistance in installing, using, or
maintaining the TRANSITION Networks
PowerStar™ III, contact TRANSITION
Networks Technical Support at:

(800) 260-1312

or contact your local distributor.



CAUTION: RJ connectors are NOT INTENDED FOR CONNECTION TO THE PUBLIC TELEPHONE NETWORK. Failure to observe this caution could result in damage to the public telephone network.

Der Anschluss dieses Gerätes an ein öffentliches Telekommunikationsnetz in den EG-Mitgliedstaaten verstößt gegen die jeweiligen einzelstaatlichen Gesetze zur Anwendung der Richtlinie 91/263/EWG zur Angleichung der Rechtsvorschriften der Mitgliedstaaten über Telekommunikationsendrichtungen einschliesslich der gegenseitigen Anerkennung ihrer Konformität.

Compliance Information

UL Listed

C-UL Listed (Canada)

CISPR/EN55022 Class A

FCC Regulations

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 the 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 the user's own expense.

Canadian Regulations

This digital apparatus does not exceed the Class A limits for radio noise for digital apparatus set out on the radio interference regulations of the Canadian Department of Communications.

European Regulations

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.

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Trademark Notice

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Fiber Cable and Connector Specifications

The physical characteristics of the fiber cable must meet or exceed the following:

Cable Characteristics:

Fiber Optic Cable Recommended:	62.5 / 125 μ m multimode fiber
Optional:	100 / 140 μ m multimode fiber 85 / 125 μ m multimode fiber 50 / 125 μ m multimode fiber
Fiber Optic Transmitter Power:	Average power: -15.0 dBm Peak power: -12.0 dBm \pm 1dBm
Fiber Optic Receiver Sensitivity:	Average sensitivity: -27.4 dBm Bit error rate: $\leq 10^{-10}$

Minimum Cable Distance:

Host to Product	7.6 meters (25 feet)
Product to Product	7.6 meters (25 feet)
Product to Terminal Device	not applicable

Maximum Cable Distance:

Host to Product	3000 meters (10,000 feet)
Product to Product	3000 meters (10,000 feet)
Product to Terminal Device	not applicable

Connector Characteristics:

ST type connectors (SMA type available upon request)

Twinax Cable and Connector Specifications

Cable Characteristics:

Twinax cable consists of conductors - one tinned and one solid copper - in a tinned copper braid shield, with impedance of 100 ohms.

Cable Type	IBM PN or equivalent
Twinax Plenum	7362061
Twinax PVC	7362211

Minimum Cable Distance:

Host to Product	7.6 meters (25 feet)
Product to Product	7.6 meters (25 feet)
Product to Terminal Device	not applicable

Maximum Cable Distance:

Host to Product	1500 meters (5,000 feet)
Product to Product	1500 meters (5,000 feet)
Product to Terminal Device	not applicable

Connector Characteristics:

Twinax connectors (IBM or equivalent) can be connected to twinax cable. (The last twinax connection in a daisy-chain must be terminated.)

AS/400 and S/36 Cable Specifications

Twisted Pair Cable and Connector Specifications

The physical characteristics of the twisted pair cable must meet or exceed the following:

Category 3 wire or better is required; category 5 wire is recommended. Either shielded twisted pair (STP) or unshielded twisted pair (UTP) can be used.

Gauge	26 to 22 AWG
Attenuation	Less than 11.5 dB @ 5-10 MHz
Differential Characteristic Impedance	85 -110 Ω @ 10 MHz

DO NOT USE FLAT OR "SILVER SATIN" WIRE.

Minimum Cable Distance:

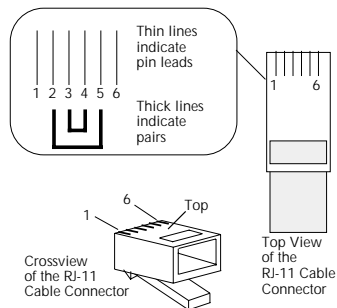
Host to Product	7.6 meters (25 feet)
Product to Product	7.6 meters (25 feet)
Product to Terminal Device	7.6 meters (25 feet)

Maximum Cable Distance:

Host to Product	762 meters (2500 feet)
Product to Product	762 meters (2500 feet)
Product to Terminal Device	762 meters (2500 feet)

Connector Characteristics:

Twisted pair connection requires one active pair configured as straight through.



When using RJ-11 connectors, the active pair can be pins 2 & 5 or pins 3 & 4.

When using RJ-45 connectors, the active pair can be pins 1 & 2, pins 4 & 5 or pins 3 & 6.

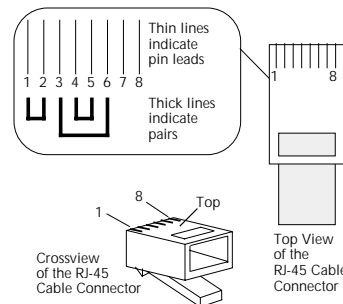


Table of Contents

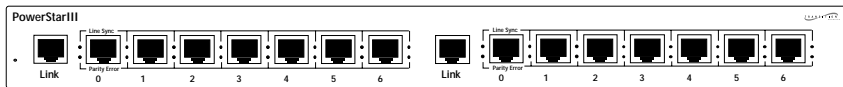
1 INTRODUCTION	1
The PowerStar™ III	1
Networking the PowerStar™ III	2
Connectors, Switches, and Status Indicators	3
2 SITE CONSIDERATIONS	4
3 INSTALLATION	5
Unpacking PowerStar™ III	5
Setting Pin Jumpers	6
Installing PowerStar™ III in Rack or on Table	9
Setting Twisted Pair Polarity Switch	10
Connecting Link Cable to Host	11
Connecting Twisted Pair Link Cable	11
Connecting Twinax Link Cable	13
Connecting Port Cable to Terminal Devices	15
Powering the PowerStar™ III	16
4 OPERATION	16
5 MAINTENANCE	16
POLICY AND PROCEDURE	17
CABLE SPECIFICATIONS	19
POWERSTAR™ III TECHNICAL SPECIFICATIONS	21

1. INTRODUCTION

This guide is intended for the system or network administrator responsible for installing and monitoring a TRANSITION Networks PowerStar™ III. A working knowledge of AS/400™ peripheral connections and operations, including familiarity with communications protocols used, is assumed.

The PowerStar™ III

The PowerStar™ III, available in various models (PSIII-1/7-11, PSIII-1/7-45, PSIII-1/7-11-T, PSIII-1/7-45-T, PSIII-2/14-11, PSIII-2/14-45, PSIII-2/14-11-T, PSIII-2/14-45-T), is an active star repeater for AS/400™ and S/3x environments that can be used for converting a twinax daisy chain topology to an unshielded twisted pair star topology.



Front of PSIII-2/14-45 or of PSIII-2/14-45-T

- The PowerStar III is designed to support all 5250 compliant devices operating at approximately 1Mbps.
- Host controller link can be connected either through a twisted pair connector at the front of the PowerStar™ III or, if the optional twinax connector is installed, through the twinax connector at the back of the PowerStar™ III.
- Twisted pair port connections are identified, by PowerStar™ III model number, as either RJ-11 or RJ-45 connectors.
- Separate transceiver circuitry isolates each port.
- The following pin configurations are selectable:
 - **RJ-11** pins 3 & 4 or 2 & 5 optionally active (factory default: pins 3 & 4 active)
 - **RJ-45** pins 1 & 2, 3 & 6, or 4 & 5 optionally active; (factory default: pins 4 & 5 active).

The sole purpose of this remedy shall be provided the customer with the replacement or repair of non-conforming goods in the manner described in this Warranty statement. This exclusive remedy shall not be deemed to have failed of its essential purpose so long as TN is willing and able to repair or replace the defective item(s) or refund the purchase price.

TN reserves the right to inspect products claimed to be defective under warranty either at the customer's location or at TN's plant. TN assumes no liability for liability charges incidental to the adjustment, service, repairing, removal or replacement of the product, or other costs, or the expense of repairs made outside of its factory, except when made with TN's prior written consent. Additionally, Transition Networks reserves the right to charge for all testing and shipping incurred, if after testing, a return is classified as "No Problem Found".

TN's total liability in connection with the products and their installation to all persons and from all causes in the aggregate, whether in contract, tort, or strict liability, shall not exceed the amount paid to TN for the product directly related to the alleged damage. However, in no event shall TN have any liability to a customer or any third party for products manufactures according to the customer's specifications.

C. Return Procedure

The customer must follow this procedure for the return of defective items:

1. Locate the serial number(s) of the item(s) to be returned.
2. Determine the date the item(s) was received.
3. Contact Transition Networks Technical Support to determine if the problem can be corrected on site.

If not, and the product is covered by warranty, then:

- Call the distributor directly or contact TN.
- Request a Return Material Authorization (RMA).
- Ship the item, prepaid in original packaging to Transition Networks at the above address.
- Include the RMA number on the outside of the carton and/or on the Packing List.
- Include a copy of the RMA form.
- Include a copy of the original invoice or packing list (if possible) to expedite processing.
- The item(s) may be shipped by the customer or the distributor.
- Transition Networks will repair or replace the unit, at TN's discretion, and cover the cost of the return freight to the distributor or to the customer, whichever requested the RMA number.

If the item(s) was received **more than five years ago**, or if the item(s) is **no longer covered by warranty** for other reasons, then:

- Call the distributor or contact TN.
- Request a Material Repair Authorization number (MRA).
- Ship the item(s), prepaid, in the original packaging to Transition Networks at the above address.
- Include the MRA number on the outside of the carton add/or on the Packing List.
- Include a copy of the MRA form.
- Include a copy of the original invoice or packing list (if possible) to expedite processing.
- Only the customer (end-user) may send the items(s) to TN.
- TN will contact the customer after the item(s) have been received, inspected, and a cost estimate of the repair determined.
- The repair charges may be billed, with customer's approval, though the distributor, or on a prepaid or C.O.D. basis directly to the customer. The charges will include the cost of shipping.

The return authorization numbers are valid only for 90 days from the date issued.

Warranty Statement

A. Five Year Warranty

Transition Networks, Inc. (TN) warrants, for a period of five years, that TN products (with the exception of power supplies and fans that TN warrants for two years) will be free from defects in materials and workmanship, and will be in conformity with TN's specifications.

TN's warranty on products manufactured by or assembled for TN in accordance with a customer's specifications, is a five-year warranty that the goods conform to such specifications.

The warranty is invalidated if the goods have been subject to alterations, misuse, accident, Acts of God (e.g., damage by floods, lightning strikes, Etc.), tampering, improper maintenance, improper maintenance, improper installation, or abuse. If the user is unsure about the proper means of installing or using the equipment, contact TN's free Technical Support or Network Design Services, which can be reached by:

Telephone 1.800.LAN.WANS or 612.941.7600
Fax 612.941.2322
E-mail techsupport@transition.com
Internet http://www.transition.com

THE ABOVE WARRANTY IS EXCLUSIVE AND EXTENDS ONLY TO PRODUCTS ASSEMBLED BY TRANSITION NETWORKS, INC. TO THE EXTENT PERMITTED BY LAW, TN DOES NOT MAKE AND DISCLAIMS ALL OTHER WARRANTIES, EXCEPT TITLE, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF DESCRIPTION, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT, AND ANY WARRANTY BASED UPON PRIOR WRITTEN OR ORAL REPRESENTATIONS REGARDING SUCH PRODUCTS MADE BY TN, ITS EMPLOYEES, AGENTS, OR REPRESENTATIVES.

B. Limitations and Exclusions

If the customer believes any goods sold by TN are defective and within the warranty period, the following general procedure will be followed:

1. Locate the serial number and delivery date of the item(s).
2. Notify TN within the warranty period.
3. TN will promptly issue a return authorization form for the goods.
4. Upon receiving the form, the customer will promptly return the item(s) at customer's own expense, shipped prepaid, to the distributor from which it was purchased, or directly to TN.

TN will only accept goods for return if the following conditions have been met:

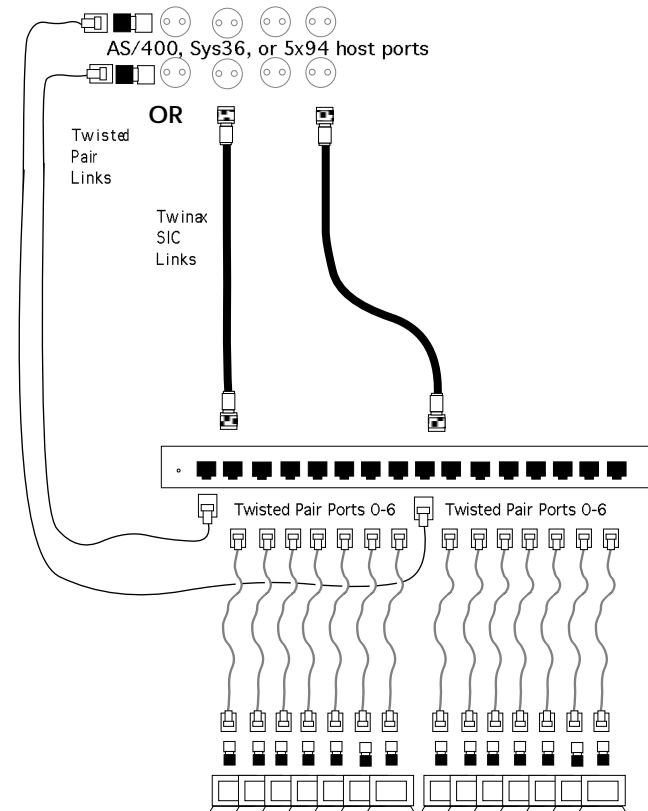
1. A return form is obtained from TN.
2. The freight charges have been prepaid by the customer.
3. Goods are re-packed in their original packaging.

If under warranty TN shall, at its option, (1) repair the goods free of charge (2) replace the goods free of charge, or (3) accept the return of the item(s) and credit the current price to the reseller (within 90 days of purchase), or (4) if the goods are not under warranty, will repair the item(s) at a minimum charge of USD \$200 (two hundred U.S. dollars) per item.

THIS IS THE EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY. IN NO EVENT SHALL TRANSITION NETWORKS BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, WHETHER FOR BREACH OF ANY CONDITION OF SALE, FOR NEGLIGENCE, ON THE BASIS OF STRICT LIABILITY, CONTRACT, OR OTHERWISE AND IRRESPECTIVE OF WHETHER TN IS INFORMED BY CUSTOMER OF THE POSSIBILITY OF SUCH DAMAGES IN ADVANCE OF THIS SALE.

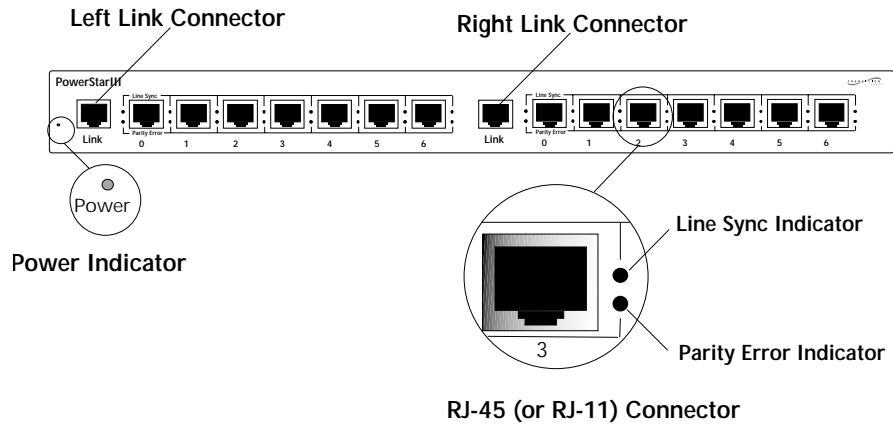
Networking the PowerStar™ III

Depending on model, the PowerStar™ III distributes one or two host input signals from an AS/400, Sys36, or 5x94 remote controller, over twinax or twisted pair media, to seven or fourteen terminal devices. All signals to the terminal devices are over twisted pair.



NOTE: The PowerStar™ III must be one of the models with an installed twinax connector (indicated by "-T" at the end of the model number) to be used for the twinax link connection.

Connectors, Switches and Status Indicators



Connectors

One **Link** (host) connector is provided on the 7-port PowerStar™ III; two **Link** (host) connectors are provided on the 14-port PowerStar™ III. These connectors each provide an RJ twisted pair link to AS/400™ or S/3x host signals. Seven (7) or fourteen (14) terminal device connectors, labeled **0**, **1**, **2**, **3**, **4**, **5**, or **6**, provide RJ twisted pair connection for distributing the AS/400™ or S/3x host signals to terminal devices. (AT BACK) PowerStar™ III models with “-T” at the end of the model number provide one or two twinax host connectors. A connector to external **power** also is located at the back of the PowerStar™ III.

Status Indicators (LEDs)

Line Sync (*illuminated during normal operation*) and **Parity Error** (*blinks at error*) status indicators (LEDs) are provided next to each twisted pair RJ connector for monitoring data transfer from host to link and from link to port. The **Power** LED indicates PowerStar™ III connection to external power.

Switches (ON BACK)

The **Polarity Setting Switches** are used to set the polarity sense of the active RJ pins for the Link (host) and for the Port (terminal device) connections. (See page 10.)

Powering the PowerStar™ III

To power ON the PowerStar™ III:

1. Locate the power receptacle on the back of the PowerStar™ III.
2. Connect the PowerStar™ III power connector end of the power supply adapter to the PowerStar™ III.
3. Connect the external power connector end of the power supply adapter to external AC power.

NOTE: After the power supply adapter is connected to the PowerStar™ III and to external power, the green **Power** LED is illuminated.

4. OPERATION

The PowerStar™ III normally requires no intervention beyond occasionally monitoring the status LEDs.

5. MAINTENANCE

WARNING: DO NOT, UNDER ANY CIRCUMSTANCES, open and attempt to repair the PowerStar™ III. Failure to observe this warning could result in personal injury or death from electrical shock.

NOTE: Failure to observe the above warning will immediately void the warranty.

Technical Support Contact

For assistance in fault isolation and in maintaining the PowerStar™ III, contact:

Technical Support (800) 260-1312

or your local distributor.

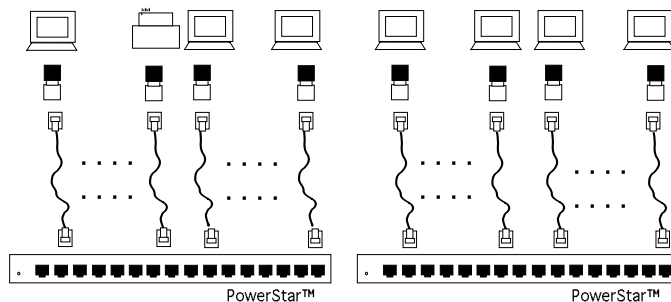
Connecting Port Cable to Terminal Devices

NOTE: When twisted pair cable is used, compatible baluns must be selected according to the chart on page 4, the RJ-11 or RJ-45 connector pin settings must be configured as shown on page 8, and the polarity switch must be set as shown on page 10.

NOTE: Terminal devices must be connected ONLY to port connectors that carry an installed link signal.

To connect twisted pair cable from PowerStar™ III ports to terminal devices:

1. Locate or build twisted pair cables that conform to specifications on page 23 and to conditions noted above, with minimum length of 25 feet (7.6 meters) and with male RJ-11 or RJ-45 plug connectors installed at both cable ends
2. Install balun at terminal device RJ-11 or RJ-45 jack connector.
3. Connect male RJ-11 or RJ-45 plug connector at one end of cable to balun.
4. Connect male RJ-11 or RJ-45 plug connector at other end of cable to PowerStar™ III RJ-11 or RJ-45 jack connector.
5. Repeat steps 1-4 until all terminal devices are installed.



2. SITE CONSIDERATIONS

The site for the PowerStar™ III must provide:

- AC power outlet for each PowerStar™ III
- Adequate ventilation
- Standard environmental conditions
- Isolation from electrical noise, including radio transmitters and broadband amplifiers, motors, high power electrical lines, or fluorescent light fixtures.

Additionally:

- The twisted pair cables should not run in the same conduit with power line cables,
- Phone lines should be separated from data cables,
- Flat or “silver satin” wires should not be used.

And:

- Unshielded twisted pair, twinax, and fiber optic cable lengths must be greater than 25 feet (7.6 meters),
- If twisted pair cable is used, the RJ-11 or RJ-45 connector pin settings must be configured as shown on page 8, compatible baluns must be selected according to the chart below, and the polarity switch must be set as shown on page 10.

Connector	Pins	TN Balun
RJ-11	3 & 4	3-1134
RJ-11	4 & 3	3-1143
RJ-11	2 & 5	3-1125*
RJ-11	5 & 2	3-1152
RJ-45	1 & 2	3-4512
RJ-45	2 & 1	3-4521
RJ-45	3 & 6	3-4536
RJ-45	6 & 3	3-4563
RJ-45	4 & 5	3-4545
RJ-45	5 & 4	3-4554

*Same active pins as used in IBM baluns P/Ns 69x7883 and 96x6187.

3. INSTALLATION

To install the PowerStar™ III:

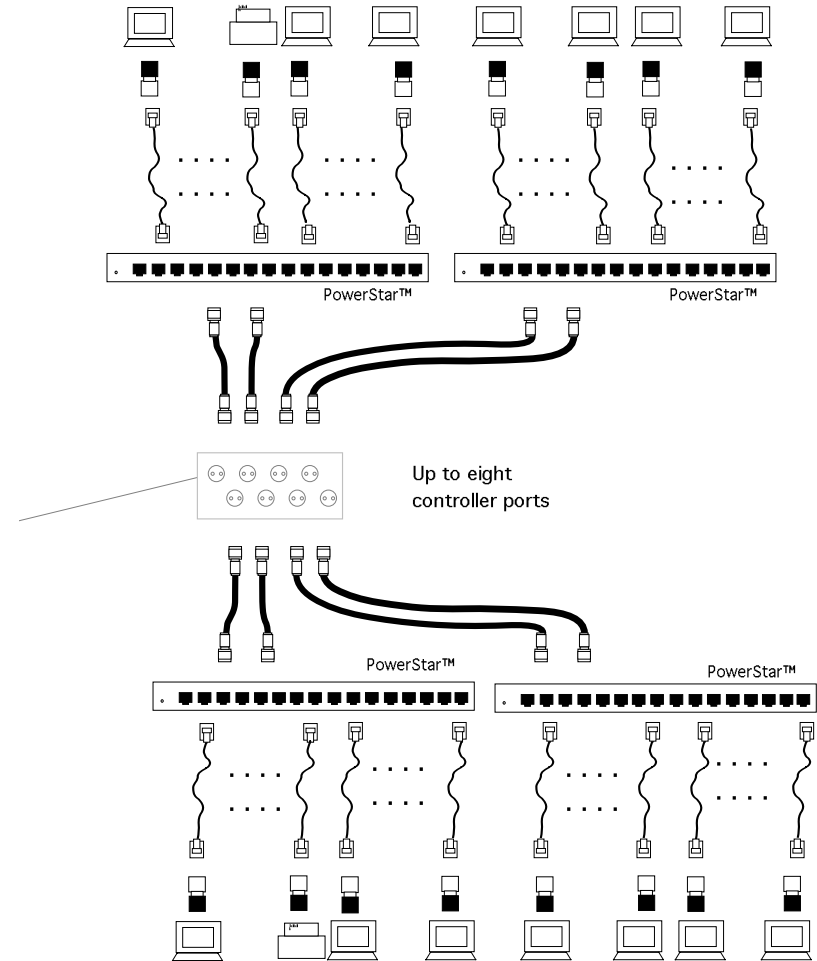
- Unpack the PowerStar™ III.
- Optionally set pin jumpers.
- Install PowerStar™ III in rack or on table.
- Set Twisted Pair Polarity switches.
- Connect link cable to host.
- Connect port cable to terminal devices.
- Connect the PowerStar™ III to power.

Direction is provided in the pages that follow.

Unpacking the PowerStar™ III

The PowerStar™ III packing contents should include the following:

Item	Part Number
PowerStar™ III	PSIII-1/7-11, PSIII-1/7-45, PSIII-1/7-11-T, PSIII-1/7-45-T, PSIII-2/14-11, PSIII-2/14-45, PSIII-2/14-11-T, PSIII-2/14-45-T
Power Supply Adapter	3500, 3501, 3506, 3508, or 3510, (depending upon power configuration in country where installed)
User's Guide	7335



Connecting Twinax Link Cable

To connect twinax cable to PowerStar™ III twinax connector:

1. Locate or build twinax cables that conform to specifications on page 20, with minimum length of 25 feet (7.6 meters) and maximum length of 5000 feet.
2. Connect one end of twinax cable to AS/400, Sys/36, or 5x94 controller port.
3. Connect other end of twinax cable to twinax connector on PowerStar™ III.

Optionally Setting Pin Jumpers

NOTE: The default factory setting makes pins 3 & 4 active in the RJ-11 connector and pins 4 & 5 active in the RJ-45 connector.

NOTE: Since pin jumpers are located *inside* the PowerStar III, the PowerStar™ III cover must be removed when setting the pin jumpers.

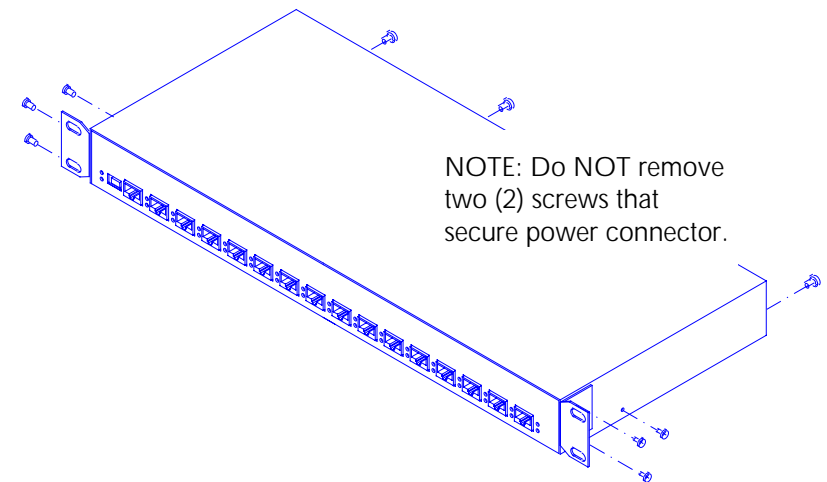
WARNING: DISCONNECT POWER CORD from PowerStar™ III before setting jumper pins. Failure to observe this warning could result in personal injury or death from electrical shock.

WARNING: AVOID CONTACT WITH POWER SUPPLY during jumper pin setting. Failure to observe this warning could result in personal injury from electrical shock caused by capacitive discharge.

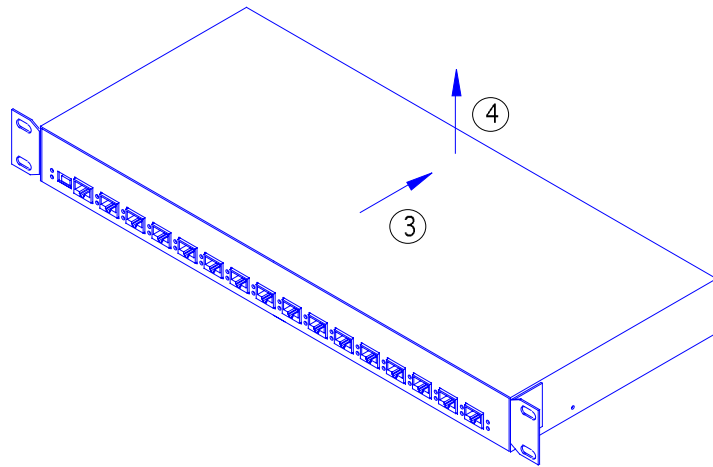
CAUTION: Wear a grounding device and observe electrostatic discharge precautions when setting pin jumpers. Use needle nosed pliers with insulated handle. Failure to observe this caution could result in circuit board failure.

To verify or modify the jumper pin settings:

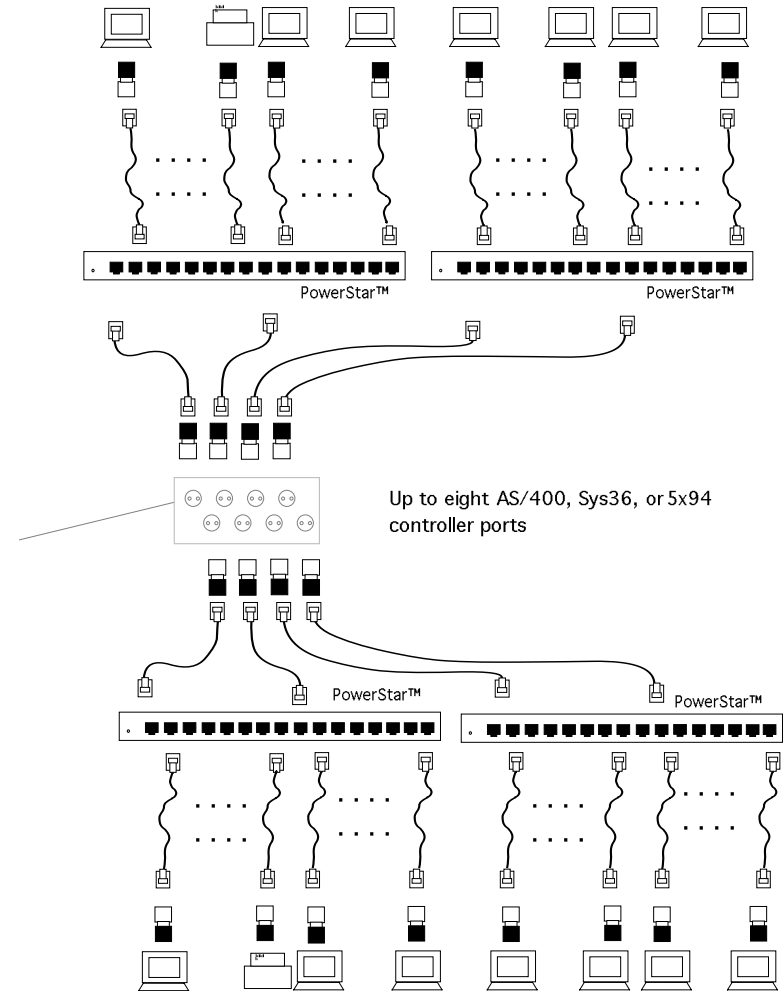
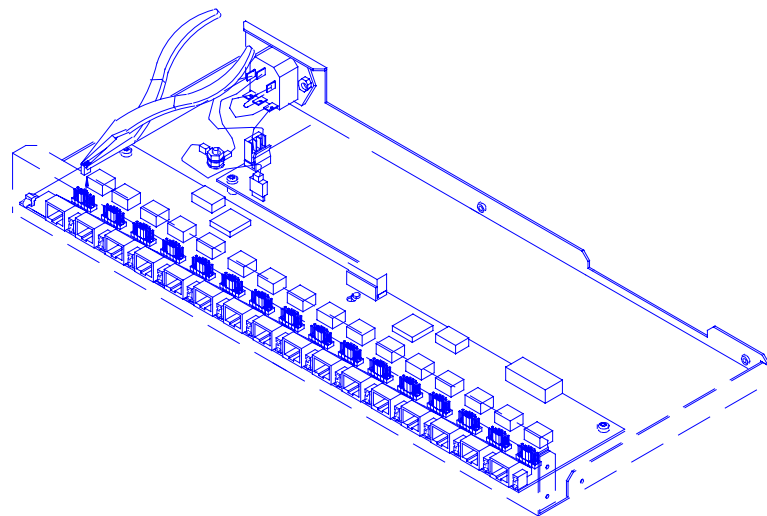
1. Place PowerStar™ III on table or other stable surface.
2. Using medium Phillips screwdriver, remove three (3) screws that secure cover to PowerStar™ III left side, three (3) screws that secure cover to PowerStar™ III right side, and three (3) screws that secure cover to PowerStar™ III back.



- Slide PowerStar™ III cover back approximately one inch to disengage cover from chassis.



- Carefully lift PowerStar™ III cover and remove.
- Using needle nose pliers with insulated handle and referring to reference material on the next page, move jumpers as required to change factory default active pin settings to active pin settings for the site.



Connecting Link Cable to Host

Connect the AS/400, Sys36, or 5x94 remote controller host to the PowerStar III using either twisted pair or twinax cable.

NOTE: All cable lengths must be greater than 25 feet (7.6 meters).

Connecting Twisted Pair Link Cable

When installing twisted pair cable, attach a balun to the AS/400™ or S/3x twinax port, then attach the twisted pair cable between the balun and the RJ Link connector on the PowerStar III.

CAUTION: Do NOT use a balun to connect twisted pair cable to twinax cable. A mid-link media change may degrade the signal and result in data loss.

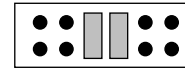
NOTE: When twisted pair cable is used, compatible baluns must be selected according to the chart on page 4, the RJ-11 or RJ-45 connector pin settings must be configured as shown on page 8, and the polarity switch must be set as shown on page 10.

To connect link cable to PowerStar™ III link connectors:

1. Locate or build twisted pair cables that conform to specifications on page 23 and to conditions noted above, with minimum length of 25 feet (7.6 meters) and with male RJ-11 or RJ-45 plug connectors installed at both cable ends.
2. Connect male RJ-11 or RJ-45 plug connector at one end of cable to a Link port on the PowerStar™ III RJ-11 or RJ-45 jack connector.
3. Connect balun to the twinax port on the host computer.
4. Connect male RJ-11 or RJ-45 plug connector at other end of cable to balun installed on the host in step 3.

6. Rotate PowerStar™ III cover to rest again on chassis.
7. Slide cover forward to engage cover against chassis.
8. Replace cover screws.

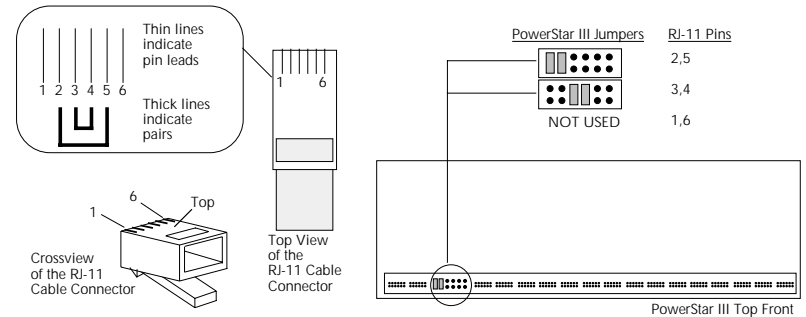
Pin Settings



The default factory setting for both RJ-11 and RJ-45 configurations is two centered jumpers. This default setting activates pins 3 & 4 in the RJ-11 connector and pins 4 & 5 in the RJ-45 connector.

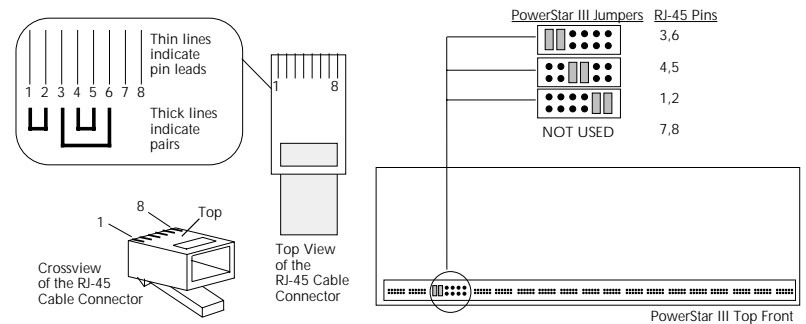
RJ-11 Pin Settings

Verify that the jumper locations activate the pins required for the installation.



RJ-45 Pin Settings

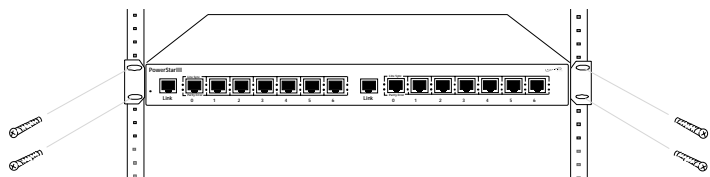
Verify that the jumper locations activate the pins required for the installation.



Installing PowerStar™ III in Rack or on Table

NOTE: The 14-port PowerStar™ III is shipped with attached brackets for standard 19-inch rack installation. All PowerStars™ are shipped with attachable feet for table-top installation.

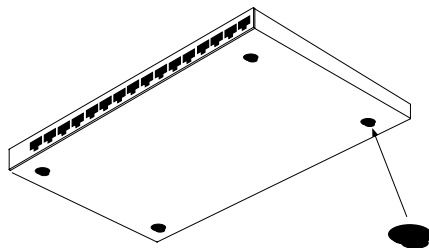
To install the PowerStar™ III in 19-inch rack:



1. Locate four (4) screws (NOT PROVIDED) for each PowerStar™ III to be installed.
2. Carefully align the PowerStar™ III at the installation position between the 19-inch rack mounting rails.
3. Install two screws through right front bracket and two screws through left front bracket, using clip nuts if necessary.

CAUTION: The rubber feet MUST BE INSTALLED if the PowerStar™ III is installed on a table-top or other flat surface. Failure to observe this caution could cause the PowerStar™ III to overheat and could result in data transmission failure and/or equipment damage.

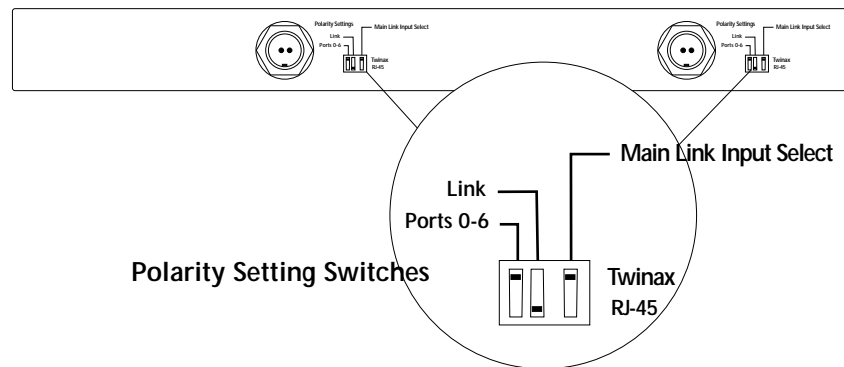
To install the PowerStar™ III on table or other flat surface:



1. Carefully turn PowerStar™ III to side.
2. Install four (4) rubber feet):
 - Remove protective paper from rubber foot adhesive surface.
 - Position rubber foot at bottom corner of repeater hub.
 - Press rubber foot against PowerStar™ III surface to secure.
 - Repeat for remaining rubber feet.
3. Return PowerStar™ III to upright position.

Setting Twisted Pair Polarity Switches

There are two sets of polarity switches at the 14-port PowerStar™ III front – one set for the left controller or host port and seven device ports and one set for the right controller or host port and seven device ports – and one set at the front of the 7-port PowerStar™ III. The A-B switch settings reverse the polarity of the twisted pair connector active pins.



The factory default setting is "A". The following chart shows, for various connector/pin options, the correct A-B switch setting and compatible TRANSITION Networks baluns.

Connector	Pins	External Polarity Switch Setting	Compatible TN Balun
RJ-11	3 & 4	A	3-1143
RJ-11	"	B	3-1134
RJ-11	2 & 5	A	3-1152
RJ-11	"	B	3-1125
RJ-45	1 & 2	A	3-4521
RJ-45	"	B	3-4512
RJ-45	3 & 6	A	3-4563
RJ-45	"	B	3-4536
RJ-45	4 & 5	A	3-4554
RJ-45	"	B	3-4545

NOTE: Set the Link Ports polarity switch to "A" when installing twinax cable to the host.