



JBOD Enclosure

TL-D400S

TL-D800S

TL-D1600S

User Guide

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1. Important Information

Original Packaging

Please keep the original packaging and packaging materials. If you want to return the product or send it for repairs, please use the original packaging to avoid damage.

QNAP reserves the right not to provide a refund or warranty service for products that are damaged due to improper packaging.

Hardware Defects

If your QNAP product has hardware defects, return the product to QNAP or a QNAP-authorized service center for maintenance or replacement. Any attempt to repair or perform maintenance procedures on the product by you or an unauthorized third-party invalidates the warranty.

QNAP is not responsible for any damage or data loss caused by unauthorized modifications and installation of unsupported third-party applications.

For details, see the [QNAP Warranty Terms and Conditions](#).

Safety information

The following instructions help ensure personal safety and environmental safety. Read these instructions carefully before performing any operation.

General Instructions

- The device should be stored in a secure location with restricted access, controlled through the use of a tool, lock and key, or any means of security.
- Only qualified, skilled, and authorized persons with knowledge of all restrictions, safety precautions, and installation and maintenance procedures should have physical access to the device.

WARNING



To avoid potential injury or damage to components, ensure that the drives and other internal system components have cooled before touching them.



Observe electrostatic discharge (ESD) procedures to avoid potential injury or damage to components.

Power

WARNING



To reduce the risk of fire or electric shock, ensure that you only connect the power cord to a properly grounded electrical outlet.



To avoid serious injuries, a trained service technician must disconnect all PSU cords from the device before installing or replacing system components.

Moving Parts

WARNING



Moving fan blades: Keep your body parts away from any moving fan blades while the device is connected to a power source.



Moving components: Keep your body parts away from any other moving components.

The device is not suitable for use in locations where children are likely to be present.

System Battery

WARNING



INGESTION HAZARD

- This product may contain a button battery.
- Keep batteries out of reach of children.
- If swallowed, a lithium button battery can cause severe or fatal injuries within 2 hours.
- If you think batteries may have been swallowed or placed inside any part of the body, seek immediate medical attention.

- To avoid potential battery explosion, causing injury or damage to components, ensure that you replace the existing battery with a battery of the same type.
- Dispose of used batteries properly according to local regulations or the instructions of the battery manufacturer.

- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- For information on the type and voltage of the button battery in your device, please see the hardware specification table.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat, or incinerate. Doing so may result in injury due to venting, leakage, or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, or different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

Rail Kits

Rackmount models may require rail kits for installation onto a server rack or cabinet.

To ensure equipment and personal safety, please carefully read the installation instructions for your rail kit before you install the rail kit and mount your device.

To check if your device is a rackmount unit, see the hardware specification table.

WARNING

- When the rail kit is installed on the server rack, do not fully extend and unlatch the rails except when mounting or unmounting a device.
- Leaving the rails fully extended out and unlatched may cause heavy equipment to fall. This can cause equipment damage and severe or even fatal injuries.
- Before you prepare the rails for device mounting or unmounting, please carefully read and ensure you understand the installation instructions.
- Do not place any objects or add any extra load onto the device or rails when mounting or unmounting a device.
- When mounting a device, slide the device all the way into the server rack to fully latch the rails and secure the device to the server rack.

2. Product Overview

This chapter provides basic information about the QNAP TL-D400S, TL-D800S, and TL-D1600S JBOD enclosures.

About QNAP JBOD Enclosures

QNAP JBOD enclosures increase the capacity and utility of your NAS or computer and provide a wide range of storage applications. Drives installed in JBOD enclosures can be managed independently or be configured as software RAID by the host device. The TL-D400S, TL-D800S, and TL-D1600S feature SFF-8088 ports to ensure quick and efficient data transfer between the JBOD enclosure and the host device.

Hardware Specifications

Warning

If your QNAP product has hardware defects, return the product to QNAP or a QNAP-authorized service center for maintenance or replacement. Any attempt to repair or perform maintenance procedures on the product by you or an unauthorized third-party invalidates the warranty.

QNAP is not responsible for any damage or data loss caused by unauthorized modifications and installation of unsupported third-party applications.

For details, see the [QNAP Warranty Terms and Conditions](#).

Expansion Enclosures

Component	TL-D400S	TL-D800S	TL-D1600S
Ordering Information			
Ordering P/N	TL-D400S	TL-D800S	TL-D1600S
Storage			
Drive bays	4 x 3.5-inch SATA 6 Gbps	8 x 3.5-inch SATA 6 Gbps	• 12 x 3.5-inch SATA 6 Gbps bays • 4 x 2.5-inch SATA 6 Gbps bays

Component	TL-D400S	TL-D800S	TL-D1600S
Drive compatibility	• 3.5-inch SATA hard disk drives • 2.5-inch SATA hard disk drives • 2.5-inch SATA solid-state drives		• 3.5-inch bays: • 3.5-inch SATA hard disk drives • 2.5-inch SATA hard disk drives • 2.5-inch SATA solid-state drives • 2.5-inch bays: • 2.5-inch SATA solid-state drives
Drive tray type	Key lock		
Hot-swapping	Supported		
External I/O Ports & Expansion Slots			
SFF ports	1 x SFF-8088 (drive bays 1-4)	2 x SFF-8088 • Port 1: Drive bays 1-4 • Port 2: Drive bays 5-8	4 x SFF-8088 • Port 1: 3.5-inch drive bays 1-4 • Port 2: 3.5-inch drive bays 5-8 • Port 3: 3.5-inch drive bays 9-12 • Port 4: 2.5-inch drive bays 1-4
	Important • Each SFF-8088 port supports four SATA 6 Gb/s lanes. • These ports are only for connecting the host bus adapter to a JBOD enclosure.		
Interface			

Component	TL-D400S	TL-D800S	TL-D1600S
Switches	• Power		
	Important QNAP recommends waiting at least two seconds after powering off the JBOD enclosure before powering it on again. • Fan speed • Audio alert		
Dimensions			
Form factor	Tower		
Dimensions (H x W x D)	168.5 x 160.2 x 219.0 mm (6.63 x 6.31 x 8.62 in)	188.2 x 329.3 x 279.6 mm (7.41 x 12.96 x 11.01 in)	303.8 x 369.9 x 319.8 mm 11.96 x 14.56 x 12.59 in
Net weight	3.66 kg (8.06 lbs)	6.17 kg (13.6 lbs)	11.59 kg (25.5 lbs)
Other			
Power supply unit	65W, 100-240V AC, 50/60 Hz	250W, 100-240V AC, 50/60 Hz	250W, 100-240V AC, 50/60 Hz
	Warning To reduce the risk of fire or electric shock, ensure that you only connect the power cord to a properly grounded electrical outlet.		
Sound level	19.7 db(A)	21 db(A)	25 db(A)
	Note The sound level was tested at a bystander position, which is within one meter of the JBOD enclosure. The test device operated at low speed with the maximum number of drives installed.		
Fans	System: 1 x 12 cm, 12V DC smart fan	System: 2 x 12 cm, 12V DC smart fans	System: 3 x 9.2 cm, 12V DC smart fans

Component	TL-D400S	TL-D800S	TL-D1600S
Fans	Warning To avoid potential injury or damage to the components, do not touch the fans while the device is connected to a power source.		
Operating temperature	0°C to 40°C (32°F to 104°F)		
Relative humidity	- Non-condensing relative humidity: 5% to 95% - Wet-bulb temperature: 27°C (80.6°F)		
Security slot	Kensington security slot		

Host Bus Adapters

Component	QXP-400eS-A1164	QXP-800eS-A1164	QXP-1600eS
Interface	PCIe Gen3 x2 (16Gbps)	PCIe Gen3 x4 (32Gbps)	PCIe Gen3 x8 (64Gbps)
Form factor	Low-profile	Low-profile	Low-profile
Dimensions (H x W x D)	104.65 x 68.9 x 12 mm 4.12 x 2.71 x 0.47 in	119.65 x 68.9 x 12 mm 4.71 x 2.71 x 0.47 in	119.65 x 68.9 x 12mm 4.71 x 2.71 x 0.47 in

Tip

Model specifications are subject to change without prior notice. To see the latest specifications, go to <https://www.qnap.com>.

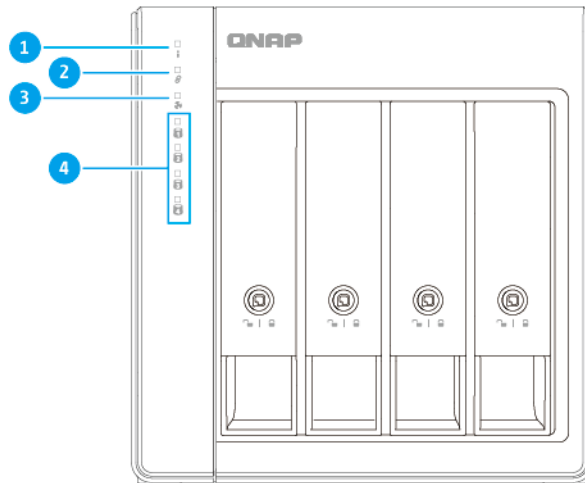
Package Contents

Item	Quantity
JBOD enclosure	1
AC power adapter	TL-D400S: 1
Power cord	1

Item	Quantity
Connector cables	• TL-D400S: 1 x SFF-8088 • TL-D800S: 2 x SFF-8088 • TL-D1600S: 4 x SFF-8088 to SFF-8644
QXP host bus adapter	• TL-D400S: QXP-400eS-A1164 • TL-D800S: QXP-800eS-A1164 • TL-D1600S: QXP-1600eS
Drive tray keys	2
Screws for 2.5-inch drives	• TL-D400S: 12 • TL-D800S: 24 • TL-D1600S: 48
Screws for 3.5-inch drives	• TL-D400S: 16 • TL-D800S: 32 • TL-D1600S: 64
Quick Installation Guide (QIG)	1

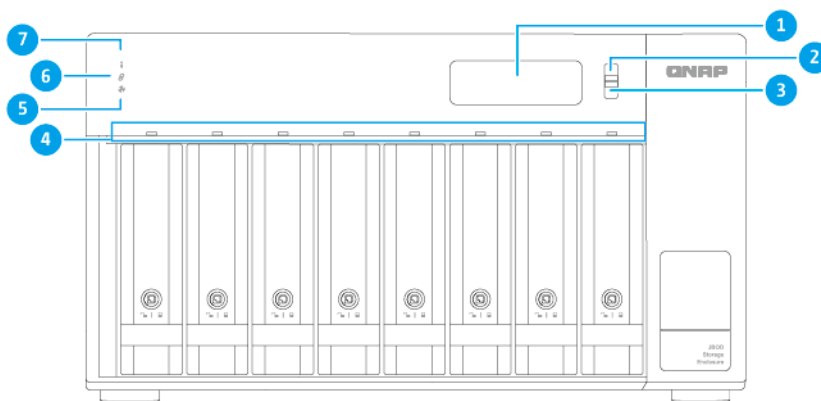
Components

Front Panel



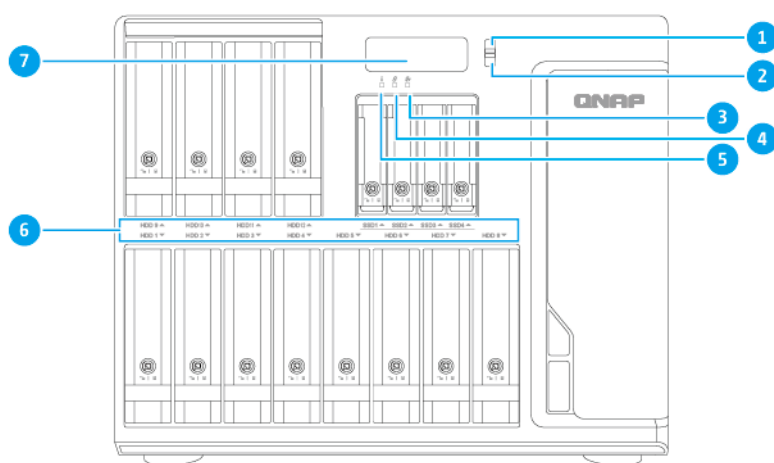
TL-D400S

No.	Component	No.	Component
1	Status LED	3	Fan error LED
2	Link LED	4	Drive LEDs



TL-D800S

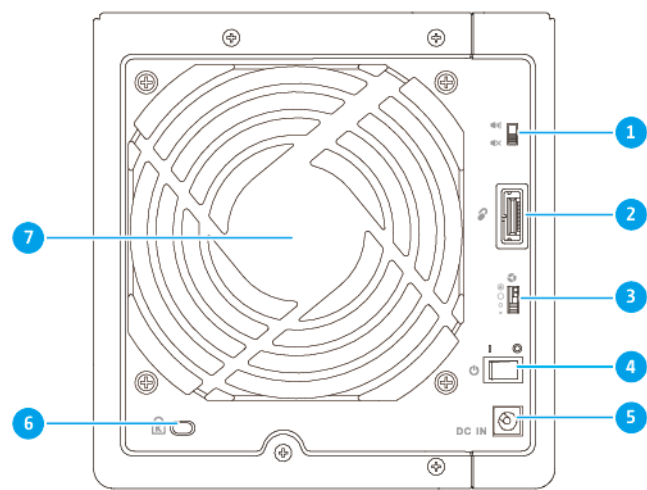
No.	Component	No.	Component
1	LCD panel	5	Fan error LED
2	LCD enter button (no function; reserved for future use)	6	Link LED
3	Select button	7	Status LED
4	Drive LEDs	-	-



TL-D1600S

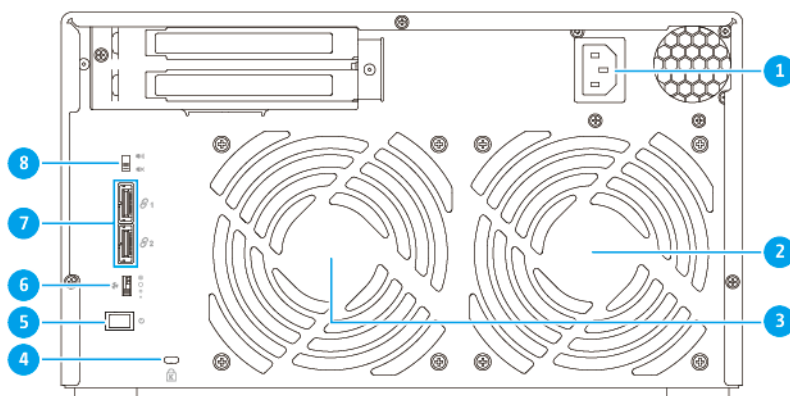
No.	Component	No.	Component
1	LCD enter button (no function; reserved for future use)	5	Status LED
2	Select button	6	Drive LEDs
3	Fan error LED	7	LCD panel
4	Link LED	-	-

Rear Panel



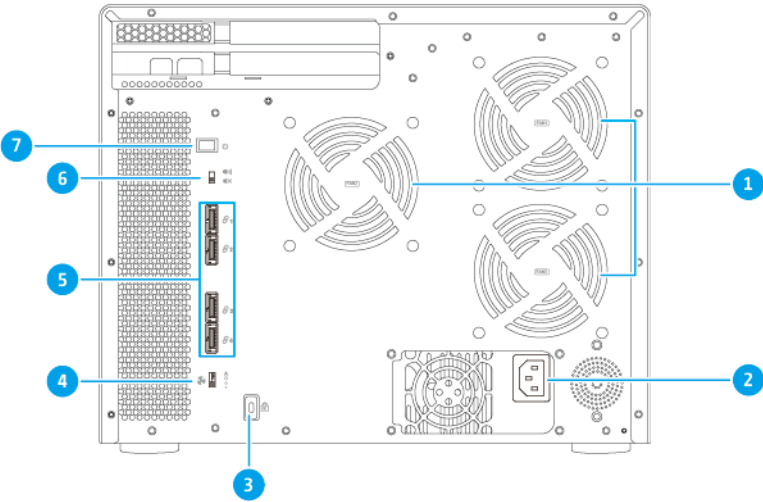
TL-D400S

No.	Component	No.	Component
1	Audio alert switch	5	Power input
2	SFF-8088 port (drive bays 1-4)	6	Kensington security slot
3	Fan speed switch	7	System fan
4	Power switch	-	-



TL-D800S

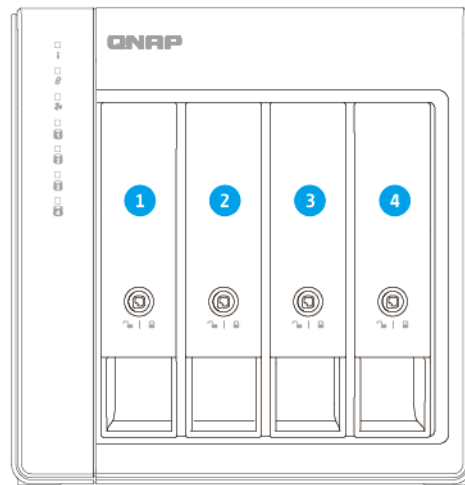
No.	Component	No.	Component
1	Power input	5	Power switch
2	System fan 1	6	Fan speed switch
3	System fan 2	7	SFF-8088 ports • Port 1: Drive bays 1-4 • Port 2: Drive bays 5-8
4	Kensington security slot	8	Audio alert switch



TL-D1600S

No.	Component	No.	Component
1	System fans	5	SFF-8088 ports • Port 1: 3.5-inch drive bays 1-4 • Port 2: 3.5-inch drive bays 5-8 • Port 3: 3.5-inch drive bays 9-12 • Port 4: 2.5-inch drive bays 1-4
2	Power input	6	Audio alert switch
3	Kensington security slot	7	Power switch
4	Fan speed switch	-	-

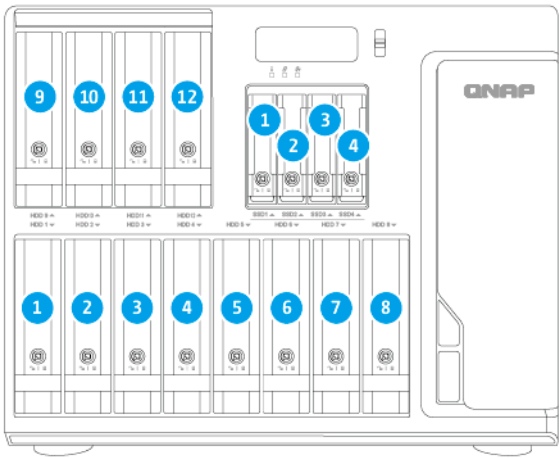
Drive Numbering



TL-D400S



TL-D800S



TL-D1600S

Installation Requirements

Category	Item
Environment	- Room temperature: 0°C to 40°C (32°F to 104°F) - Non-condensing relative humidity: 5% to 95% - Wet-bulb temperature: 27°C (80.6°F) - Flat, anti-static surface without exposure to direct sunlight, liquids, or chemicals Important - The device should be stored in a secure location with restricted access, controlled through the use of a tool, lock, and key, or any means of security. - Only qualified, trained, and authorized administrators with knowledge of all restrictions, safety precautions, and installation and maintenance procedures should have physical access to the device.

Category	Item
Hardware and peripherals	• NAS or computer • Storage drives Tip For the list of compatible drive models, go to https://www.qnap.com/compatibility. • One or more SFF-8088 connector cables • QXP host bus adapter Important A QNAP QXP host bus adapter is required for connecting the JBOD enclosure to a host device. Third-party host bus adapters may not be compatible with QNAP JBOD enclosures.
Tools	• Phillips #1 or #2 screwdriver • Anti-static wrist strap

Setting Up the JBOD Enclosure

1. Place the JBOD enclosure in an environment that meets the requirements.
For details, see [Installation Requirements](#).
2. Install the drives.
For details, see the following topics:
 - [Installing 3.5-inch Drives on 3.5-inch Trays](#)
 - [Installing 2.5-inch Drives on 3.5-inch Trays](#)
 - [Installing Solid-State Drives on Solid-State Drive Trays](#)
3. Connect the power cord.
4. Connect the JBOD enclosure to your NAS or computer.
For details, see the following topics:
 - [Connecting the JBOD Enclosure to a NAS](#)
 - [Connecting the JBOD Enclosure to a Computer](#)
5. Power on the JBOD enclosure.

3. Hardware Installation

This section provides information on installing drives and connecting the JBOD enclosure to a NAS or computer.

Drive Installation

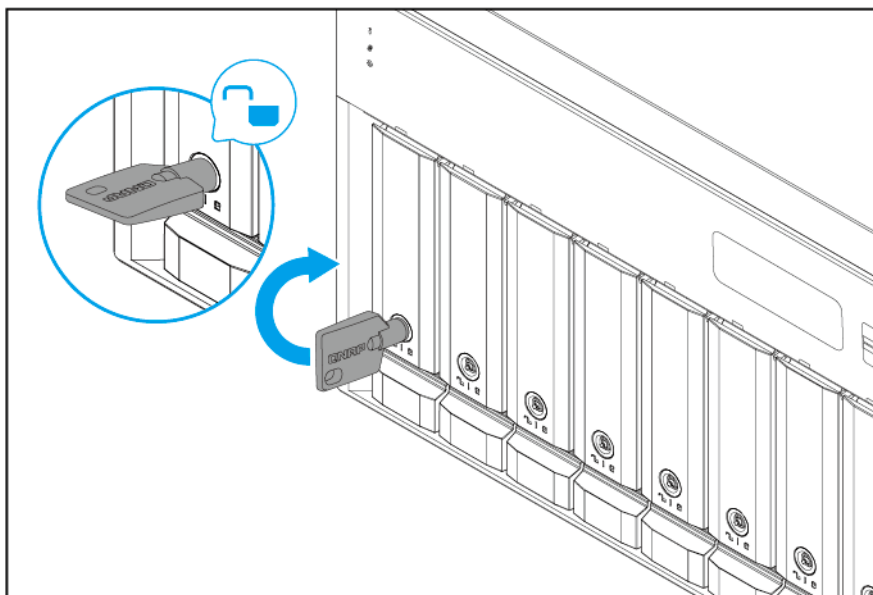
QNAP JBOD enclosures are compatible with 3.5-inch and 2.5-inch hard drives and 2.5-inch solid-state drives.

Installing 3.5-inch Drives on 3.5-inch Trays

Warning

Observe electrostatic discharge (ESD) procedures to avoid damage to components.

1. Power off the JBOD enclosure.
2. Remove a drive tray.
 - a. Optional: Unlock the tray.



Note

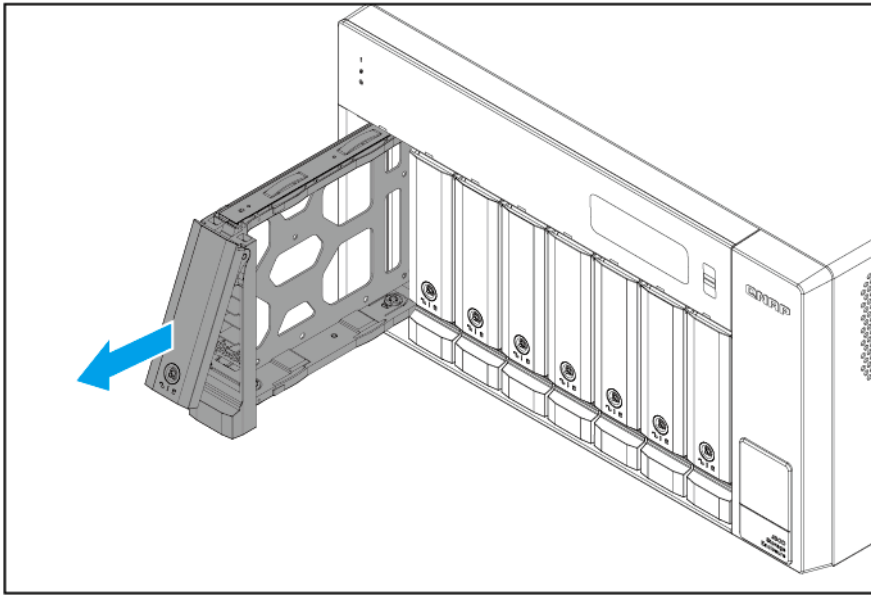
The preinstalled drive trays come unlocked.

Important

Ensure that the drive tray keys are stored in a safe place.

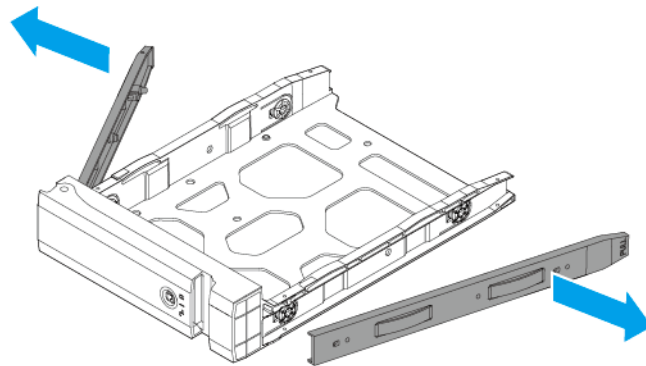
- b. Pull the handle to release the tray.

- c.** Pull the tray out.



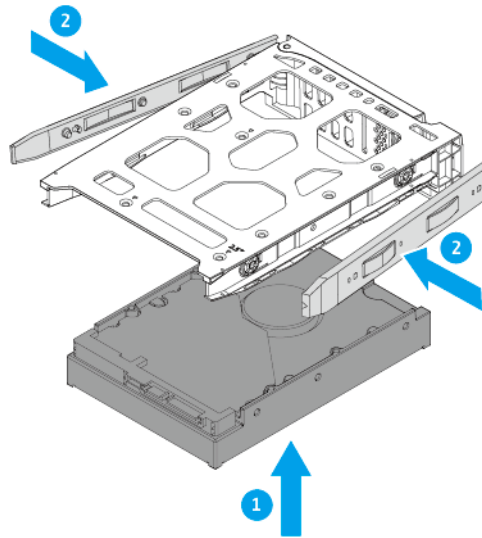
- 3.** Install a drive on the tray.

- a.** Remove the fastening panels from the sides of the tray.

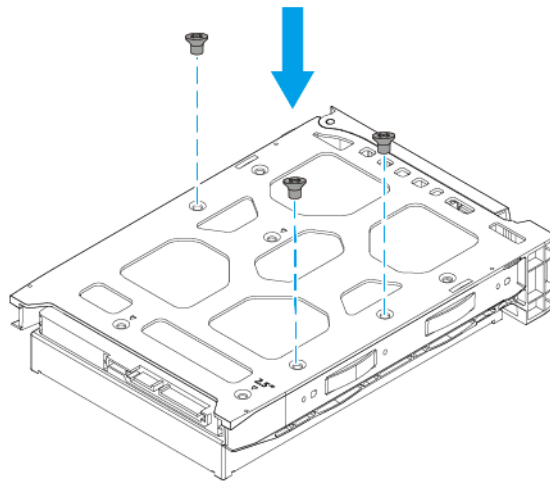


- b.** Place the drive on the tray so that the holes on the sides of the drive are aligned with the holes on the sides of the tray.

- c. Attach the fastening panels.



- d. Optional: Attach the screws to further secure the drive.

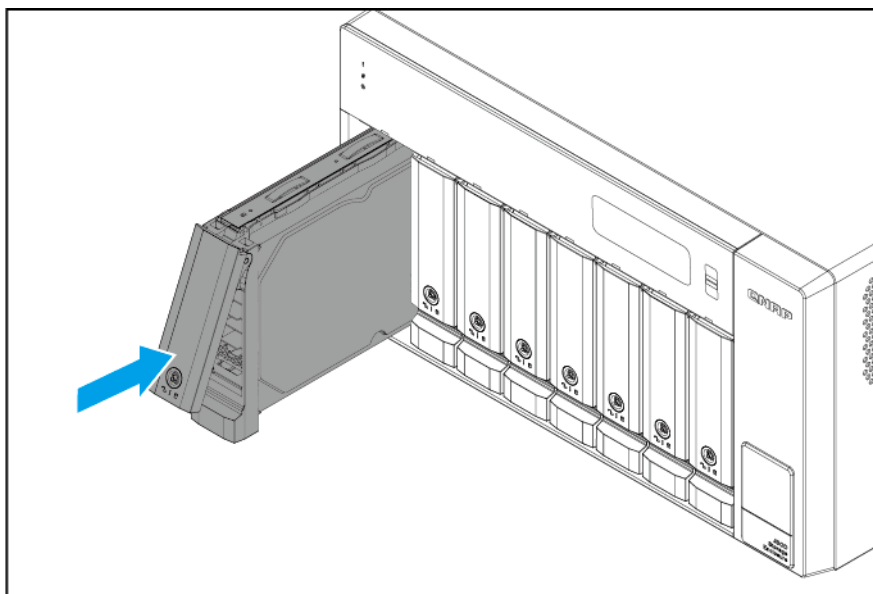


Important

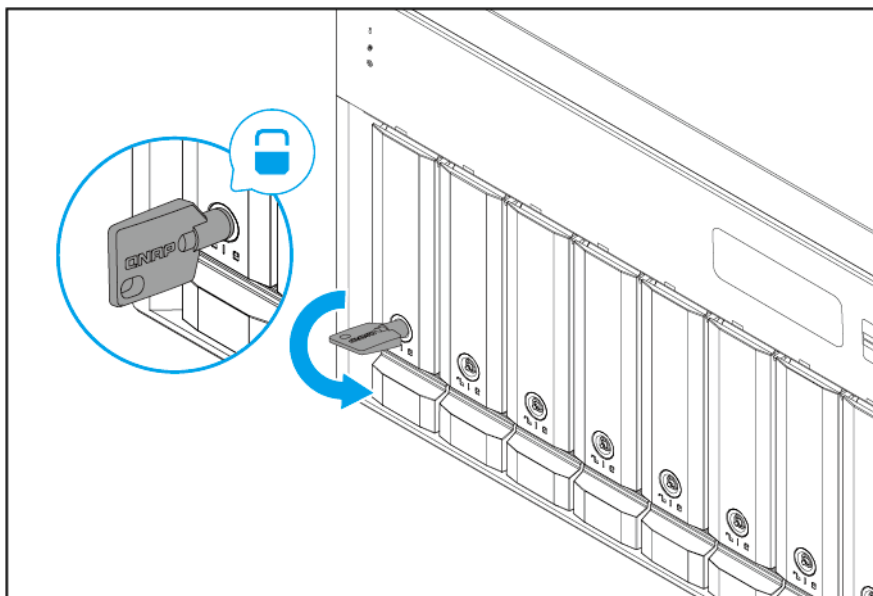
QNAP recommends attaching the screws to the drive trays when transporting the device.

4. Load the tray into the drive bay.
- a. Insert the tray into the bay.

- b.** Push the handle.



- c.** Optional: Lock the tray.



- 5.** Power on the JBOD enclosure.

Note

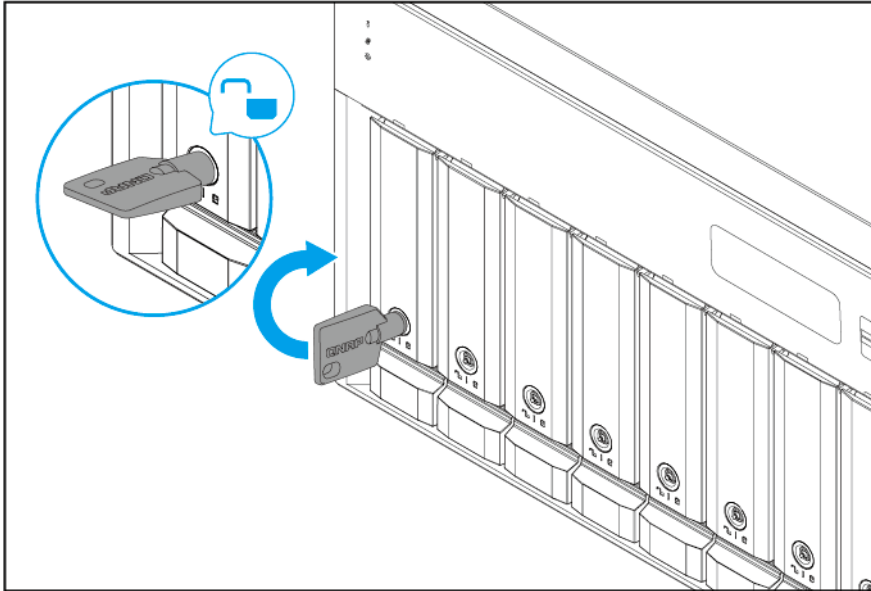
The JBOD enclosure may take up to 30 seconds to detect the new drive.

Installing 2.5-inch Drives on 3.5-inch Trays

Warning

Observe electrostatic discharge (ESD) procedures to avoid damage to components.

1. Power off the JBOD enclosure.
2. Remove a drive tray.
 - a. Optional: Unlock the tray.

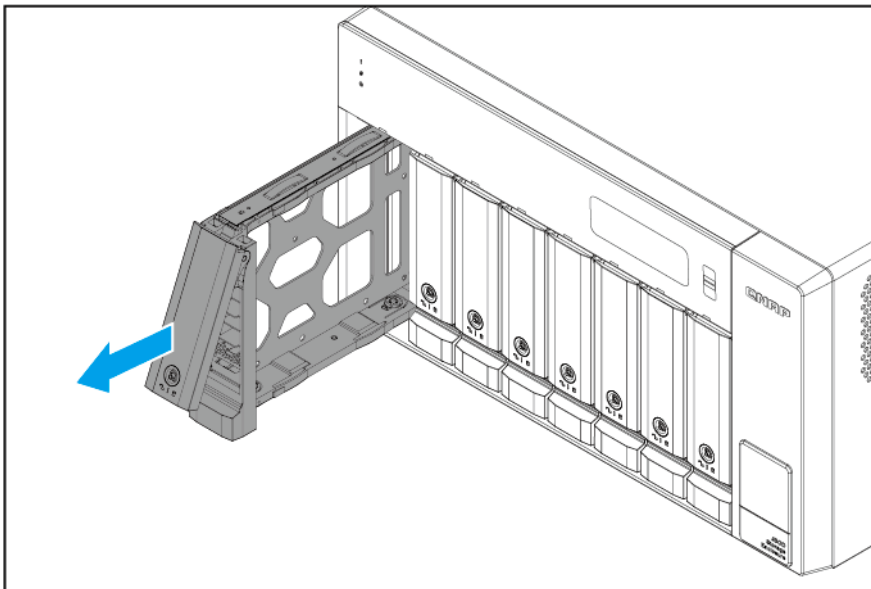
**Note**

The preinstalled drive trays come unlocked.

Important

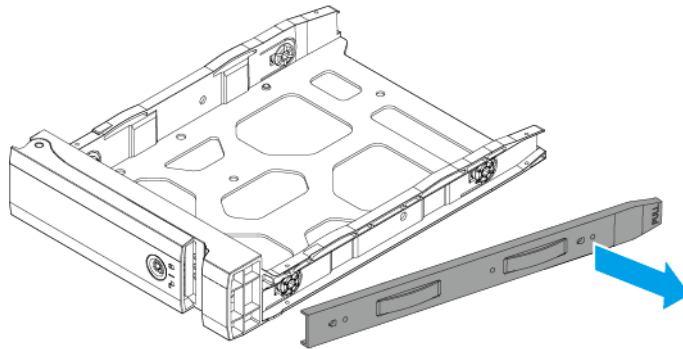
Ensure that the drive tray keys are stored in a safe place.

- b. Pull the handle to release the tray.
 - c. Pull the tray out.



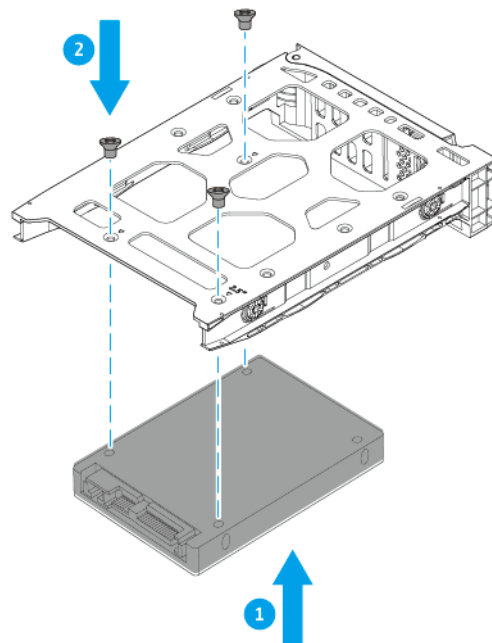
3. Install a drive on the tray.

- a.** Remove the right fastening panel from the tray.



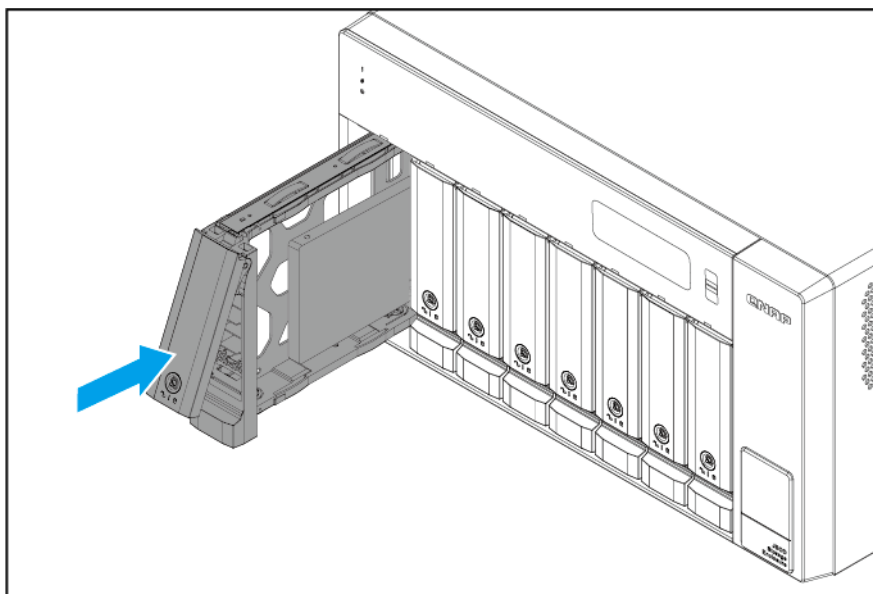
- b.** Place the drive on the tray so that the holes on the bottom of the drive are aligned with the holes on the bottom of the tray.

- c.** Attach the screws.

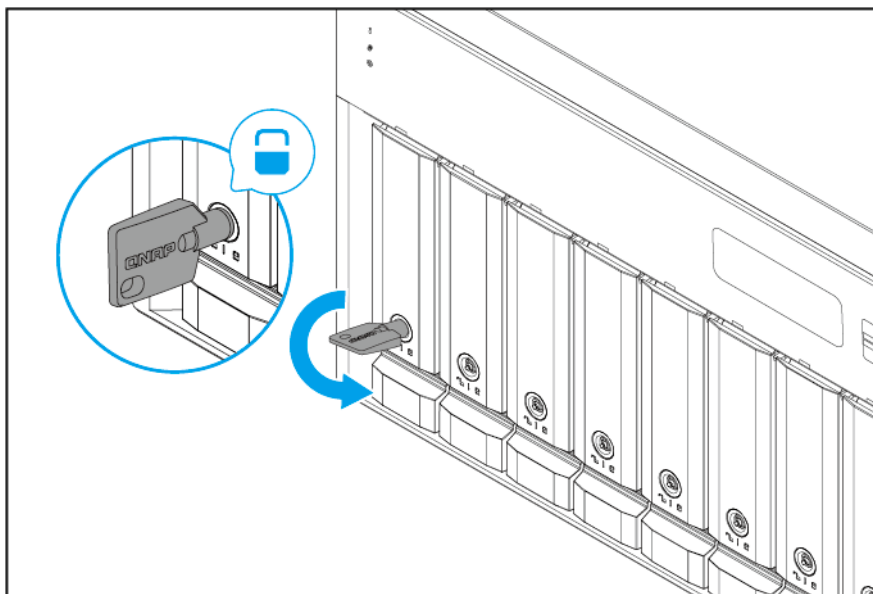
**4. Load the tray into the drive bay.**

- a.** Insert the tray into the bay.

- b. Push the handle.



- c. Optional: Lock the tray.



5. Power on the JBOD enclosure.

Note

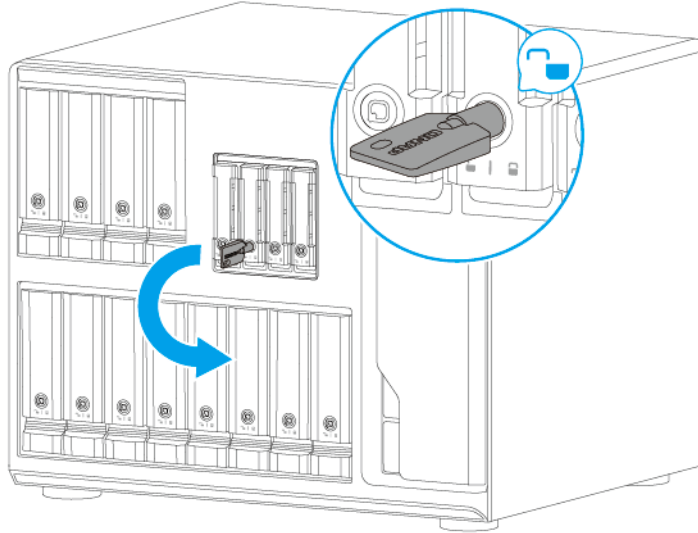
The JBOD enclosure may take up to 30 seconds to detect the new drive.

Installing Solid-State Drives on Solid-State Drive Trays

Warning

Observe electrostatic discharge (ESD) procedures to avoid damage to components.

1. Power off the JBOD enclosure.
2. Remove the drive tray.
 - a. Optional: Unlock the tray.

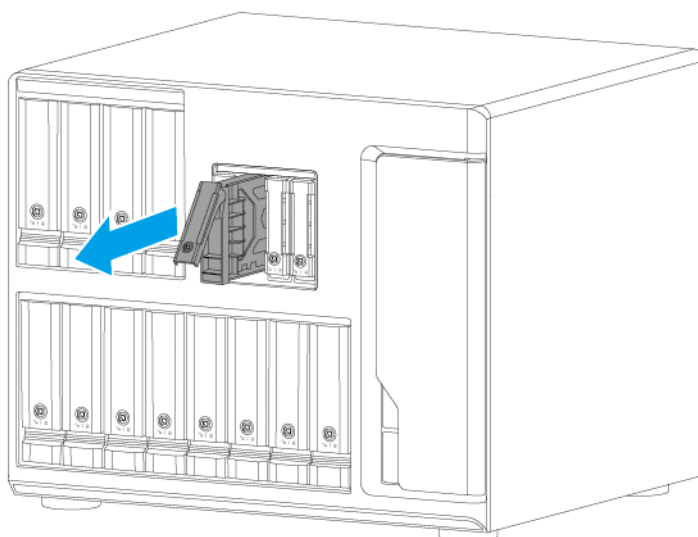
**Note**

The preinstalled drive trays come unlocked.

Important

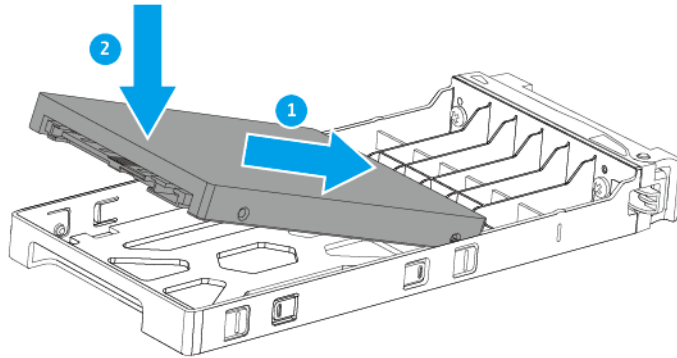
Ensure that the drive tray keys are stored in a safe place.

- b. Pull the tray handle outward.
- c. Pull the tray out.



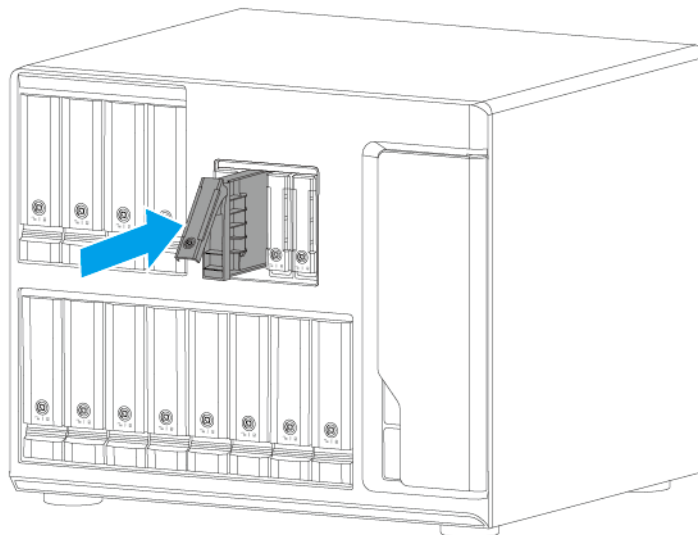
3. Install a drive on the tray.

- a.** Align the SATA connector on the drive with the opening at the end of the tray.
- b.** Place the drive on the tray.

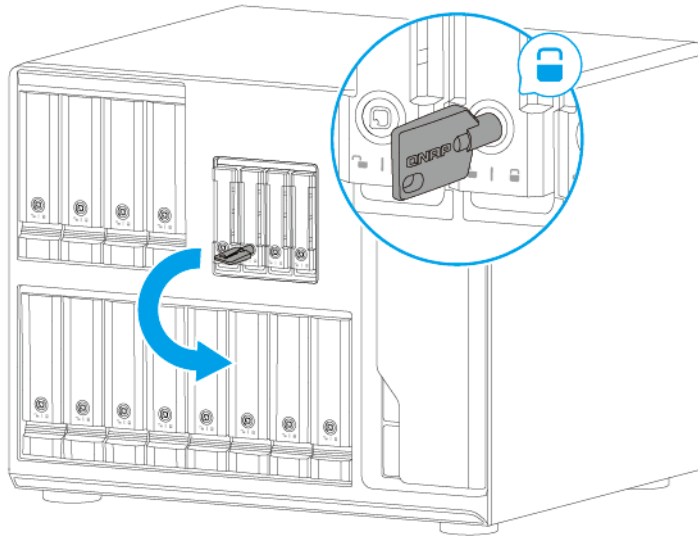


4. Load the tray into the drive bay.

- a.** Insert the tray into the bay.
- b.** Push the handle.



- c. Optional: Lock the tray.



5. Power on the JBOD enclosure.

Note

The JBOD enclosure may take up to 30 seconds to detect the new drive.

Connecting the JBOD Enclosure to a NAS

Important

- QTS can support a maximum of two JBOD enclosures.
- QNAP JBOD enclosures cannot be connected to more than one host at a time.

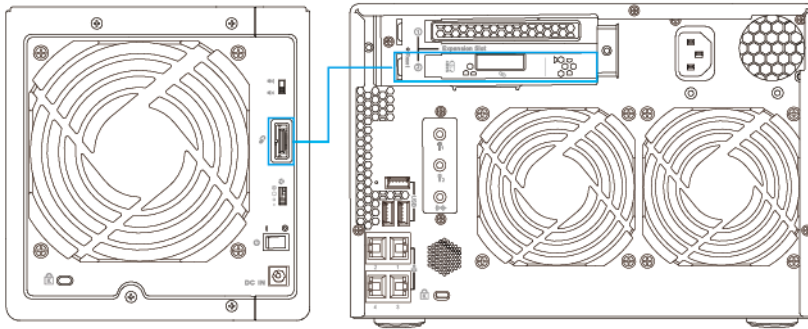
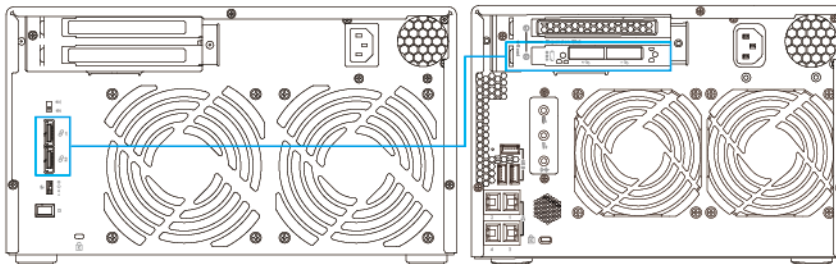
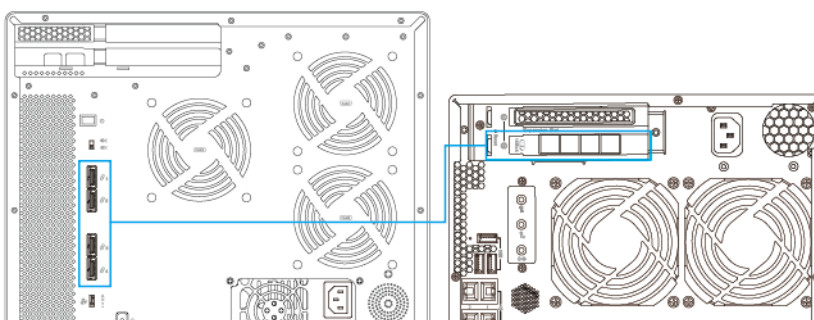
1. Power off the NAS.
2. Power off the JBOD enclosure.
3. Connect the JBOD enclosure to the NAS.
 - a. Connect one or more SFF-8088 connector cables to the SFF-8088 ports on the JBOD enclosure.
 - b. Connect one or more SFF-8088 connector cables to the SFF-8088 or SFF-8644 ports on the host bus adapter installed in the NAS.

Note

Refer to the hardware installation section of the NAS user guide for instructions on installing expansion cards.

Important

The QNAP QXP host bus adapter is required for connecting the JBOD enclosure to a host device. Third-party host bus adapters may not be compatible with QNAP JBOD enclosures.

**TL-D400S****TL-D800S**

4. Power on the JBOD enclosure.
5. Power on the NAS.
6. Verify that the JBOD enclosure is recognized by the NAS.
 - a. Log on to QTS as administrator.
 - b. Go to **Main Menu > Storage & Snapshots > Overview > Storage**.
 - c. Verify that the JBOD enclosure are listed.

Note

The NAS may take up to 30 seconds to detect the JBOD enclosure and the installed drives.

Connecting the JBOD Enclosure to a Computer

Important

QNAP JBOD enclosures cannot be connected to more than one host at a time.

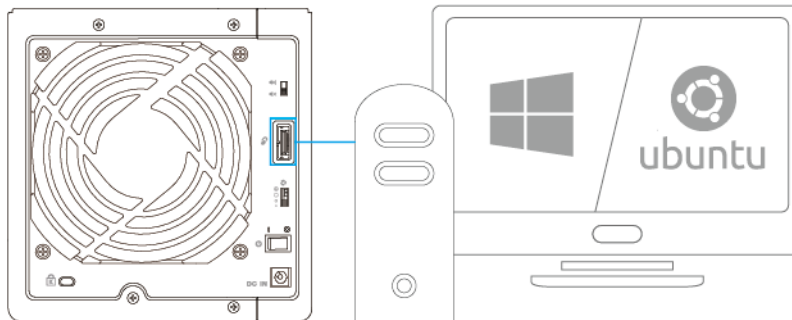
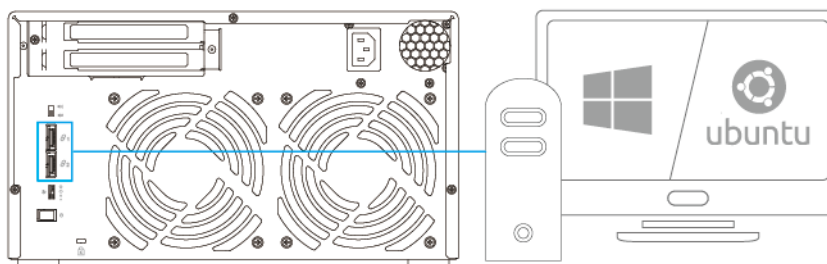
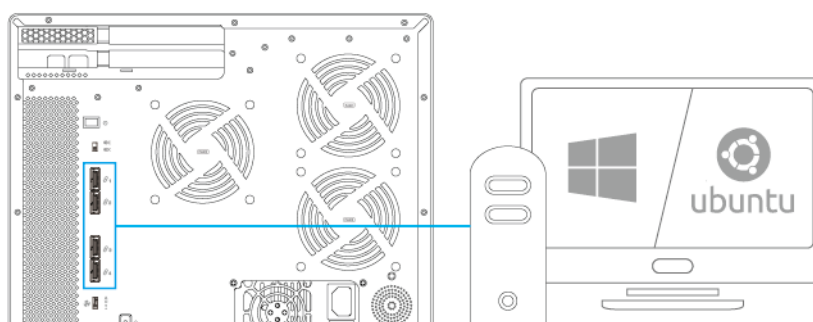
1. Power off the computer.
2. Power off the JBOD enclosure
3. Connect the JBOD enclosure to the computer.
 - a. Connect one or more SFF-8088 connector cables to the SFF-8088 ports on the JBOD enclosure.
 - b. Connect one or more SFF-8088 connector cables to the SFF-8088 or SFF-8644 ports on the host bus adapter installed in the computer.

Note

Refer to the hardware installation instructions for the computer for information on installing expansion cards.

Important

The QNAP QXP host bus adapter is required for connecting the JBOD enclosure to a host device. Third-party host bus adapters may not be compatible with QNAP JBOD enclosures.

**TL-D400S****TL-D800S**

4. Power on the JBOD enclosure.
5. Power on the computer.
6. Verify that the JBOD enclosure is recognized by the computer.
 - a. Go to your computer's disk management utility or open QNAP JBOD Manager in Microsoft Windows or Linux Ubuntu.

Note

To download QNAP JBOD Manager, go to <https://download.qnap.com>.

- b. Verify that the JBOD enclosure is listed.

4. Basic Operations

This chapter describes basic operations of the JBOD enclosure.

LCD Panel

Some JBOD enclosures have an LCD panel that allows you to view status information. You can press the **Select** button to browse status messages.

Note

The **Enter** button on the TL-D800S and the TL-D1600S is reserved for future use and has no function on these models.

Message Type	System Message	Description
System Status	System Booting	The JBOD enclosure is booting.
	SFF8088 Port {1} {2}	A host is connected to the port. • {1}: Port ID • {2}: Host server name
	SFF8088 Port {1} Unknown Host	A host is connected to the port but the host cannot be identified. {1}: Port ID
	SFF8088 Port {1} ---	No host is connected to the port. {1}: Port ID
	Model Name {1}	{1}: JBOD enclosure model name
	Fan Speed Set To {1}	{1}: Fan speed setting: • Auto • High • Medium • Low
	Storage Mode {1}	{1}: Storage mode: • External Storage • NAS Storage

Message Type	System Message	Description
Event	Port {1} Connected To {2}	A host was connected to the port. • {1}: Port ID • {2}: Host server name
	Fan Speed Set To {1}	The fan speed setting was changed. {1}: Fan speed setting: • Auto • High • Medium • Low
Error	Port {1} Disconn. From {2}	A host was disconnected from the port. • {1}: Port ID • {2}: Host server name
	Fan {1} Error	The fan is not functioning normally. {1}: Fan ID
	Temp. Warning	The JBOD enclosure is overheated. Note The default temperature warning threshold is 65°C.
	Temp. Critical	The JBOD enclosure is critically overheated. Note The temperature critical threshold is 70°C.

LEDs

LEDs indicate system status and related information when the device is powered on. The following LED information applies only when the drive is correctly installed and when the device is connected to the network or to a host.

For details on the location of the LEDs, see [Front Panel](#).

LED	Status	Description
System Status	Green	The device is ready.
	Red	• The system fan is not functioning. • The system temperature is over the threshold.
Link	Green	The device is connected to the host.
	Off	The device is not connected to the host.
Fan error	Red	The system fan is not functioning.
Drive	Green	• The device is powered on. • The drive can be accessed.
	Flashes green and red alternately every 0.5 seconds	Data is being accessed.
	Red	• A drive read/write error occurred. • The drive temperature is over the threshold.

Audio Alert

Note

The audio alert can be toggled on and off by using the audio alert switch on the rear panel.

Duration	Frequency	Description
Short beep (0.5 seconds)	1	• The link is up. • The link is down.

Duration	Frequency	Description
Long beep (2 seconds)	3 (every 5 minutes)	- The system fan is not functioning. - The system temperature is over the threshold. Note - The default temperature warning threshold is 65°C. You can set the threshold to a temperature between 55°C and 69°C using QNAP JBOD Manager. - The temperature critical threshold is 70°C.

Fan Speed Switch

The rear panel includes a fan speed switch for manually configuring the speed of the system fans.

Fan speed settings:

- Auto
When set to Auto, the fan speed changes automatically according to the internal temperature of the device.
- High
- Medium
- Low

5. Troubleshooting

This chapter describes basic troubleshooting information.

Forcing Storage & Snapshots or QNAP JBOD Manager to Recognize the JBOD Enclosure

If Storage & Snapshots or QNAP JBOD Manager is unable to locate the JBOD enclosure during operation, the drives or data may be faulty.

1. Power off the JBOD enclosure.
2. Remove all drives.
3. Power on the JBOD enclosure.
4. Locate the JBOD enclosure using Storage & Snapshots or QNAP JBOD Manager.
5. Reinsert the drives.
6. Continue with operation.

Hot-Swapping Failed Drives

The JBOD enclosure supports hot-swapping of drives in the following situations:

- RAID 1: One member drive fails
- RAID 5: One member drive fails
- RAID 10:
 - One member drive fails
 - Two member drives fail (one in bay 1 or 2 and one in bay 3 or 4)

1. Log on to QTS.
2. Go to **Main Menu > Storage & Snapshots > Storage > External Storage**.
3. Locate the failed drive.
4. Prepare a new hard drive with a capacity that is the same as or larger than the failed hard drive.
5. Remove the failed drive from the JBOD enclosure.
6. Wait for 30 seconds or until the JBOD enclosure beeps.
7. Remove the failed drive from the drive tray.
8. Insert the new drive into the drive tray.
9. Install the new drive.
The JBOD enclosure beeps.
10. Wait for 30 seconds or until the JBOD enclosure beeps.

11. Go to **Main Menu > Storage & Snapshots > Storage > Storage/Snapshots**.
12. Locate the volume that contains the new drive and then verify that the status is **Rebuilding**.

Support and Other Resources

QNAP provides the following resources:

Resource	URL
Documentation	https://docs.qnap.com
Service Portal	https://service.qnap.com
Downloads	https://download.qnap.com
Community Forum	https://forum.qnap.com

6. Glossary

QTS

QNAP NAS operating system

QNAP JBOD Manager

Software utility for Windows, Linux, and macOS that allows you to view and configure QNAP JBOD enclosures

Storage & Snapshots

QTS utility that allows you to view and configure QNAP JBOD enclosures connected to a QNAP NAS

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Version 3, 29 June 2007

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END OF TERMS AND CONDITIONS

CE Notice



This QNAP NAS complies with CE Compliance Class B.

UKCA notice



This device complies with the UKCA requirements for products sold in Great Britain.

FCC Notice

FCC Class B Notice



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Important

Any modifications made to this device that are not approved by QNAP Systems, Inc. may void the authority granted to the user by the FCC to operate this equipment.

VCCI Notice



VCCI-B

BSMI Notice



SJ/T 11364-2006



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部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (CR(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
壳体	0	0	0	0	0	0
显示	0	0	0	0	0	0
印刷电路板	0	0	0	0	0	0
金属螺帽	0	0	0	0	0	0
电缆组装	0	0	0	0	0	0
风扇组装	0	0	0	0	0	0
电力供应组 装	0	0	0	0	0	0
电池	0	0	0	0	0	0
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X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。						