

Quick Installation Guide

Applicable Models AS6804T / AS6806T / AS6808T / AS6810T



Table of Contents

NOTICES	
SAFETY PRECAUTIONS	
1. PACKAGE CONTENTS	
2. OPTIONAL ACCESSORIES	
3. HARDWARE INSTALLATION GUIDE	
TOOLS NEEDED FOR HARD DISK INSTALLATION	
HARD DISK INSTALLATION	
SECURING THE POWER CORD	
CONNECTING AND POWERING ON THE NAS	
Upgrading System Memory	
Installing M.2 SSD	
Installing a Network Card	2
4. SOFTWARE INSTALLATION GUIDE	28
Download Center Installation	28
WEB INSTALLATION	
Installation Using a Mobile Device	
INSTALLATION USING THE LCD DISPLAY	33
5. APPENDIX	
LED Indicators	34
FRONT PANEL	3!
Rear Panel	30
OPERATING THE LCD PANEL	
SHUTTING DOWN YOUR NAS	40
Troubleshooting	4 ²

Notices



Federal Communications Commission Statement

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

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

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the Federal Communications Commission (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/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CE Mark Warning



CE marking for devices without wireless LAN/Bluetooth

The shipped version of this device complies with the requirements of the EEC directives 2004/108/EC "Electromagnetic compatibility" and IEC60950-1:2005 (2nd Edition) +A1:2009 "Information technology equipment-Safety "."

Safety Precautions

The following safety precautions will increase the life of the NAS. Follow all precautions and instructions.

Electrical Safety

Unplug this product from the power source before cleaning.

Use only the bundled power adapter. Using other power adapters may damage your device.

Ensure that you plug the power adapter to the correct power input rating. Check the label on the power adapter for the power rating.

Operation Safety

- DO NOT place this product in a location where it may get wet.
- Place this product on a flat and stable surface.
- Use this product in environments with an ambient temperature between 0°C and 40°C.
- DO NOT block the air vents on the case of this product. Always provide proper ventilation for this product.
- DO NOT insert any object or spill liquid into the air vents. If you encounter technical problems with this product, contact a qualified service technician or your retailer. DO NOT attempt to repair this product yourself.



DO NOT throw this product in municipal waste.

This product has been designed to enable proper reuse of parts and recycling. This symbol of the crossed out wheeled bin indicates that the product (electrical and electronic equipment) should not be placed in municipal waste. Check local regulations for disposal of electronic products.

1. Package Contents

Applicable Models: AS6804T, AS6806T, AS6808T, AS6810T

Model Name	AS6804T	AS6806T	AS6808T	AS6810T
Power Cord	x1	x 1	x 1	x1
Adapter	x1	N/A	N/A	N/A
RJ45 Network Cable	x4	x4	x4	х4
Power Cord Bracket	x1	N/A	N/A	N/A
Screws for use with 3.5" HDD	x16	x24	x32	x40
Screws for use with 2.5" HDD	x16	x24	x32	x40



God resident fields	x1	x1	x1	x1
Quick Installation Guide				



2. Optional Accessories

The items below may be purchased from the ASUSTOR Accessories Store http://shop.asustor.com.

3. Hardware Installation Guide

All data stored on the hard disk(s) will be erased and CANNOT be recovered. Please back up all important data before initializing the system.

Tools Needed for Hard Disk Installation

- ✓ Phillips head screwdriver
- ✓ At least one 2.5 or 3.5 inch SATA hard disk. (For a list of compatible hard disks, please see http://www.asustor.com/service/hd?id=hd)

Hard Disk Installation

1. Press the button on the lower portion of the hard disk tray to release the latch.

AS6804T AS6806T AS6808T AS6810T









2. Using the latch, gently pull the disk tray out of the disk bay.

AS6804T AS6806T AS6808T AS6810T









- 3. Mount the hard disk to the disk tray.
 - **3.5-inch hard disks:** Place the hard disk into the disk tray, making sure that the mounting holes on the sides of the hard disk and disk tray are lined up. Secure the drive with four screws.



✓ 2.5-inch hard disks and SSD hard disks: Place the hard disk into the area of the disk tray outlined in red (see picture below). Make sure that the mounting holes on the bottom of the hard disk and disk tray are lined up. Secure the drive with four screws.





4. Slide the disk tray onto the rails of the disk bay. Using the latch, gently push the disk tray all the way into the disk bay. Secure the disk tray in place by pushing down on the latch. The latch should close easily and snap in with an audible 'click'. Please make sure that the disk tray is pushed all the way into the disk bay before attempting to secure the latch.

AS6804T

AS6806T

AS6808T

AS6810T











5. Once the latch is secure, you can lock it in place using the disk tray lock. Using a flathead screwdriver, turn the lock counterclockwise to lock the latch mechanism. Turning the lock clockwise will unlock it.

AS6804T AS6806T AS6808T AS6810T

Securing the Power Cord

Note: You can use the provided cord bracket to secure the power cord in place, if you are concerned about the NAS power cord becoming detached when the NAS is moved.

1. Take the cord bracket out of the accessories box.



2. Attach the bracket to the power cord as shown in the graphic below.





3. Remove the fan screw by unscrewing it counter-clockwise.

AS6804T





4. Position the bracket over the hole for the removed fan screw. Secure the bracket in place by replacing the fan screw.

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Connecting and Powering on the NAS

- 1. Connect the NAS to its power supply.
- 2. Connect the NAS to your router, switch or hub using an Ethernet cable.



3. Press and hold down the power button for 1 – 2 seconds until the blue power LED indicator is lit. This indicates that the NAS is now powered on. While the NAS is being powered on, the green system status LED indicator will flash and the blue network LED indicator will be lit as well.



4. The NAS is ready for operation once the green system status LED indicator has stopped flashing and remains steadily lit. At this time, you should also hear a 'beep' from the system buzzer. Hardware installation is now complete. Please move on to the software installation guide to configure your system settings.

Note.

- 1. Upon powering on the device, fans will run at max speed for approximately 30 seconds. This is normal.
- 2. NAS devices in EuP mode may automatically turn on upon restoration of power.

Upgrading System Memory

Notes and Precautions

All AS68 Series NAS devices support up to 64GB of memory. Before adding or removing memory modules, please read the following precautions thoroughly.

- Your NAS and memory modules use high precision components and electronic connector technology. To avoid invalidation of the warranty during your product warranty period, we recommend that:
 - ✓ Memory for AS68 series devices may be purchased from local dealers or the online ASUSTOR Accessories Store (http://shop.asustor.com).
 - ✓ You should not install a memory module by yourself, if you are not familiar with upgrading memory on a computer.
 - ✓ You should not touch the connectors or open the memory module compartment cover.
- Addition or removal of memory modules by yourself may result in an accident or malfunction of your NAS caused by breakage of the slot and module or a connection mistake. In this case, a repair fee will be charged.
- Be careful not to injure your hands or fingers with sharp edges of the memory module, inner components, or circuit boards of your NAS.
- ASUSTOR does not guarantee that third party memory modules will work in your NAS.
- Be sure to turn off your NAS and peripherals and disconnect all attachments and connection cables before adding or removing memory modules.
- To prevent damage from electrostatic discharge to memory modules, follow the instructions below:
 - ✓ Do not work at a location that produces static electricity easily, such as on a carpet.
 - ✓ Before adding or removing memory modules, touch an external metal object other than your NAS to ground yourself and eliminate static electricity. Do not touch any metal parts inside the NAS.
- Do not insert a memory module into the slot facing in the wrong direction. It may cause damage to the module or slot, or cause the circuit board to catch fire.
- Use a screwdriver that matches the size of the screws.
- Do not remove or loosen screws that are not specified to be removed.

Parts and Tools Needed

Phillips head screwdriver

Removing the Cover

1. Shutdown the NAS by selecting [Shut down] from the ADM User Menu.



2. Disconnect all cables and devices connected to the NAS including the power cord.



3. Use a screwdriver to loosen the three screws found on the rear of the NAS as shown in the illustration.



4. Grip the cover from both sides with two hands and then gently push it back to remove it from the chassis.

Installing Memory

1. Upon opening the NAS, RAM slots can be found on the motherboard on the left hand side of the NAS. Insert a DIMM into an empty slot at a 45° angle and align the notches of the RAM and the slot.



2. Gently push the DIMM down until both latches click into place. RAM should be flush with the motherboard.



Replacing the Cover

1. Replace the cover and tighten the three screws that were removed previously.

AS6804T



AS6806T



AS6808T / AS6810T





2. Reconnect all cables including the power cord and then start up the NAS.

AS6804T



AS6806T



AS6808T / AS6810T



Installing M.2 SSD

M.2 Installation Precautions

The AS68 provide four M.2 SSD slots. For maximum compatibility, click here for a list of compatible M.2 SSDs.

Parts and Tools Needed

✓ Phillips head screwdriver

Removing the Cover

1. Shutdown the NAS by selecting [Shut down] from the ADM User Menu.



2. Disconnect all cables and devices connected to the NAS including the power cord.

AS6804T



AS6806T



AS6808T / AS6810T



3. Use a screwdriver to loosen the three screws found on the rear of the NAS as shown in the illustration.

AS6804T



AS6808T / AS6810T







4. Grip the cover from both sides with two hands and then gently push it back to remove it from the chassis.

Installing M.2 SSDs

1. For the best possible experience, install SSDs in the order as shown in the pictures below.

AS6804T



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2. Insert M.2 SSD at an angle, align the notch with the connector and insert the M.2 drive. Ensure M.2 SSD is fully inserted, hold plastic lever and press down on the M.2 SSD until it clips into the slot.





3. Repeat the process for all other M.2 SSDs.

AS6804T



AS6806T



AS6808T / AS6810T



Replacing the Cover

1. Replace the cover and tighten the three screws that were removed previously.

AS6804T



AS6806T



AS6808T / AS6810T



2. Reconnect all cables including the power cord and then start up the NAS.

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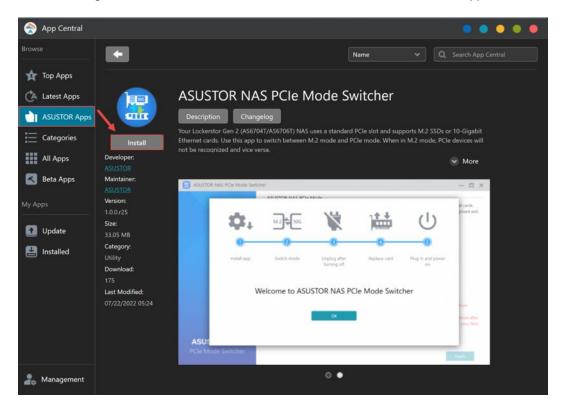


AS6808T / AS6810T

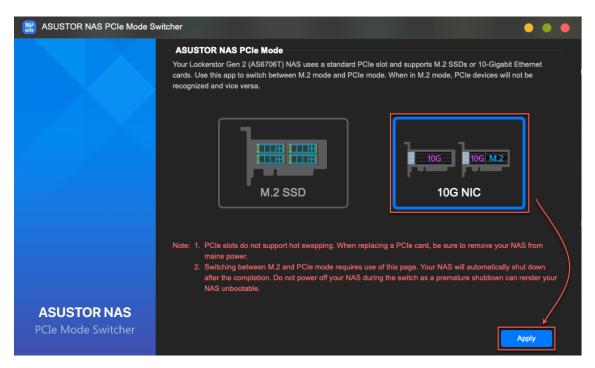


Installing a Network Card

1. To add a 10-Gigabit Ethernet card, install ASUSTOR NAS PCIe Mode Switcher from App Central.



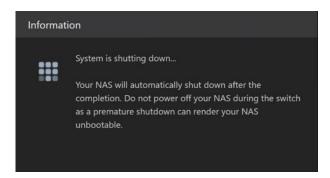
2. Select 10G NIC and press apply.



3. Click OK



4. After confirmation, your NAS will shut down. After shutting down, you will now be able to install the 10-Gigabit Ethernet card after disconnecting your NAS from mains electricity.



Parts and Tools Needed

✓ Phillips head screwdriver

Removing the Cover

1. Disconnect all cables and devices connected to the NAS including the power cord.



Note. The PCle socket inside your NAS does not support hot swap functionality. Please shut down and unplug your. NAS before changing between PCle devices.

2. Use a screwdriver to loosen the three screws found on the rear of the NAS as shown in the illustration.

AS6804T



AS6806T



AS6808T / AS6810T



3. Grip the cover from both sides with two hands and then gently push it back to remove it from the chassis.

Installing a Network Card

1. To remove the M.2 card, undo the screws as shown below.

AS6804T



AS6806T



AS6808T / AS6810T



2. Gently pull the M.2 card from the PCIe slot as shown below.

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AS6806T



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3. Undo the two screws that hold the bracket for the M.2 card in place.

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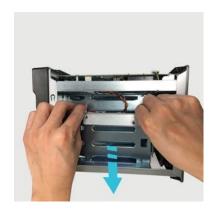


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4. Lift the bracket out of the NAS.

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5. Remove both screws in the rear of the NAS and placeholder bracket.

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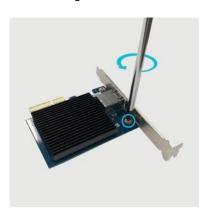
AS6806T



AS6808T / AS6810T



6. Unscrew and remove full-height bracket from AS-T10G2 NIC. Installation of the <u>AS-T10G2</u> requires use of the included bracket designed for the Lockerstor Gen3 series of NAS devices.



7. Attach NAS-specific <u>bracket</u> to the AS-T10G2 and fasten screws.



8. Gently insert the network card into the PCle slot of your NAS.

AS6804T



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9. Fasten the network card to the NAS with screws.

AS6804T

AS6806T

AS6808T / AS6810T







10. Follow these instructions in reverse order to reinstall the M.2 card.

Replacing the Cover

1. Replace the cover and tighten the three screws that were removed previously.

AS6804T



AS6806T



AS6808T / AS6810T



2. Reconnect all cables including the power cord and then start up the NAS.

AS6804T



AS6806T



AS6808T / AS6810T





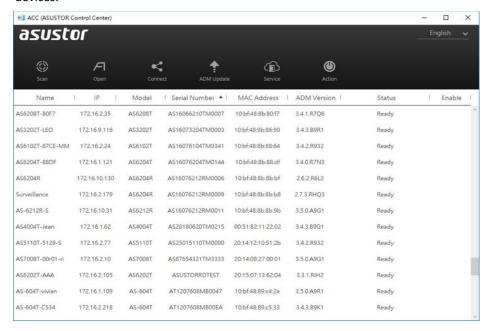
4. Software Installation Guide

There are 4 different installation methods that you can choose from. You can go to the download section of the ASUSTOR website (http://www.asustor.com/service/downloads) to download the latest software.

Download Center Installation

Windows Users

After ASUSTOR Control Center has been installed, it will automatically begin to scan your network for ASUSTOR NAS
devices.



2. Select your NAS from the list and follow the installation wizard's instructions to complete the configuration process.

System initialization

While initialization is in progress, it can help you set basic functions, such as appearance settings, time settings, account settings, hard disk settings, and register your NAS. You can still modify these settings after initialization is complete.

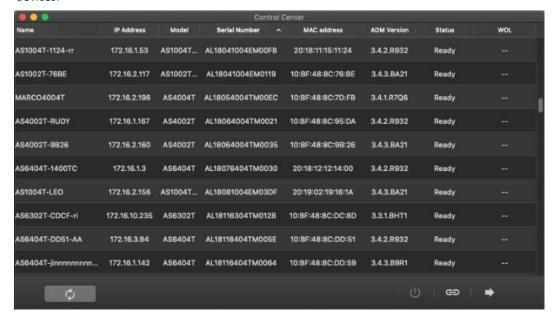






Mac Users

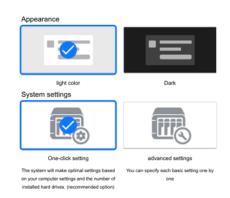
1. After ASUSTOR Control Center has been installed, it will automatically begin to scan your network for ASUSTOR NAS devices.



2. Select your NAS from the list and follow the installation wizard's instructions to complete the configuration process.



While initialization is in progress, it can help you set basic functions, such as appearance settings, time settings, account settings, hard disk settings, and register your NAS. You can still modify these settings after initialization is complete.



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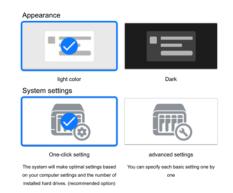


Web Installation

- If you already know your NAS's current IP address, you can open up a web browser and enter in your NAS's IP address (for example: http://192.168.1.168:8000) to begin initialization.
- 2. Please follow the instructions from the installation wizard to complete the configuration process.

System initialization

While initialization is in progress, it can help you set basic functions, such as appearance settings, time settings, account settings, hard disk settings, and register your NAS. You can still modify these settings after initialization is complete.





Installation Using a Mobile Device

Search for "AiMaster" in Google Play or the Apple App Store. You can also scan the QR codes provided below.
 Download and install the AiMaster mobile app to your mobile device.

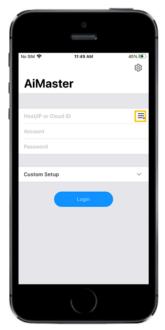




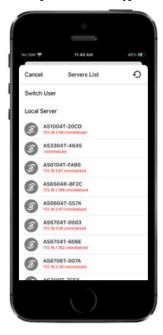




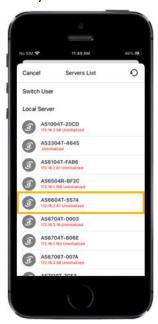
- 2. Make sure that your mobile device is connected to the same local network that your NAS is connected to.
- 3. Next, open AiMaster and then select the icon from the toolbar at the top of the screen.



4. Select [Auto Discovery]. AiMaster will now scan the local network for your NAS.



5. Select your NAS from the list that appears.



6. Select **[Start Initialization]** to begin installation. Follow the prompts and instructions to complete the configuration process.



Installation Using the LCD Display

 The LCD display will ask you whether or not you want initialize the NAS once it has detected that the NAS has not yet started to initialize.



• Please use the "4" button found on the right side of the LCD display to confirm that you want to initialize the NAS. The system will now start the initialization process.



• Initialization is complete when the NAS's IP address is shown on the LCD display. NOTE: The password for the "admin" account will be set to "admin".

5. Appendix

LED Indicators

AS6804T AS6806T AS6808T AS6810T

- 1 Power LED Indicator
- System Status LED Indicator
- 3 Network LED Indicator

- 4 USB LED Indicator
- 5 Hard Disk LED Indicator

LED Indicator	Color	Description	State
Power Orange		Steadily lit	Power on
	Blue	Flashing	Waking from sleep mode (S3)
	_	Steadily lit	Sleep mode (S3)
	Orange	Flashes every 10 seconds	LED night mode
System Status Green	Flashing	Powering on	
O	Green	Steadily lit	System ready
Network 몸	Blue	Steadily lit	Network port connected
USB Green	Steadily lit	The USB device connected to the front of the NAS is ready for use	
	Flashing	Data access in progress	
Hard Disk	_	Steadily lit	Hard disk ready
	Green	Flashing	Data access in progress



	Flashes every 10 seconds	Hibernation mode
Red	Steadily lit	Hard disk abnormality

Front Panel

AS6804T AS6806T AS6808T AS6810T 6 HDD-8 **Power Button** HDD-3 2 7 HDD-9 One touch backup Button HDD-4 3 8 HDD-10 USB 3.2 Gen 2 Port HDD-5 4 9 HDD-6 HDD-1 6 HDD-7 HDD-2

Rear Panel

AS6804T



- **Reset Button**
- **USB 4 Ports**
- USB 3.2 Gen 2 Ports
- 10G RJ45 Ports
- 5G RJ45 Ports
- DC Input

- K-Lock
- PCI Express 4.0 Expansion Slot
- System Fan

AS6806T



AS6808T / AS6810T



- **Reset Button**
- **USB 4 Ports**
- 8 USB 3.2 Gen 2 Ports
- 10G RJ45 Ports
- 5G RJ45 Ports
- 6 K-Lock

- PCI Express 4.0 Expansion Slot
- 8
- **Power Supply Unit**
- 9
- System Fan

Operating the LCD Panel

You can use the LCD panel to configure system settings and check system information. The buttons located on the right side of the LCD panel can be used to navigate through its menus. Please see the graphic below for a description of each button.



- 1. [Up] Button
- 2. [Down] Button
- 3. [Back] Button
- 4. [Confirm] Button

After powering on the NAS, you will be able to see the NAS name and IP address on the LCD panel. The panel will turn off automatically after a few seconds. You can use the panel to configure settings and check system information.

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The main menu consists of the following submenus:

- 1. 1 Touch Backup
- 2. Network
- 3. Storage
- 4. Temperature
- 5. Operation
- 6. Configuration

Press the [Up] or [Down] buttons to navigate through the menu items. Press the [Confirm] button to enter into any submenu. Press the [Back] button to return to the previous level.

1. Touch Backup

In the 1 Touch Backup submenu, you can use the [Up], [Down] and [Confirm] buttons to select and execute the actions below.



- 1.1. Progress: Execute the backup function for the USB port located on the front panel.
- 1.2. Eject Device: Eject any USB devices connected to the USB port located on the front panel.

2. Network

In the Network submenu you can use the [Up], [Down] and [Confirm] buttons to view the information listed below.

MAIN >NETWORK

- 2.1. LAN
- 2.1.1 IP Address
- 2.1.2 Subnet Mask
- 2.2 WAN
- 2.2.1 IP Address
- 2.2.2 Subnet Mask

3. Storage

In the Storage submenu you can use the [Up], [Down] and [Confirm] buttons to view the volume information listed below.

MAIN >STORAGE

- 3.1. Total Space: The total storage capacity of the volume.
- 3.2. Used Space: The amount of space currently in use on the volume.
- 3.3. Free Space: The amount of free space remaining on the volume.

4. Temperature

In the Temperature submenu you can use the [Up], [Down] and [Confirm] buttons to view the temperature for the items listed below.

MAIN >TEMPERATURE

- 4.1. CPU: The temperature of the CPU.
- 4.2. System: The temperature of the NAS system.
- 4.3. HDD: The temperature of the hard disks.

5. Operation

In the operation submenu you can use the [Up], [Down] and [Confirm] buttons to execute the actions listed below.



- 5.1. Shutdown: Shutdown the NAS.
- 5.2. Restart: Restart the NAS.

6. Configuration

In the Configuration submenu you can use the [Up], [Down] and [Confirm] buttons to configure the items listed below.

MAIN >CONFIGURATION

6.1. Server Name

Press the [Up] or [Down] buttons to cycle through letters and numbers. Press the [Confirm] button to confirm the character of your choice and to move on to the next character. Repeat this process until all of the characters in the name are configured. Pressing the [Back] button will bring up the "Confirm Change" option. You will be able to select between "Yes" and "No".

SERVER NAME ASUSTOR NAS

6.2. Network Setting

6.2.1. LAN

6.2.1.1. DHCP

Pressing the [Confirm] button will bring up the "Confirm Change" option. You will be able to select between "Yes" and "No".

6.2.1.2. Static address

6.2.1.2.1. IP Address

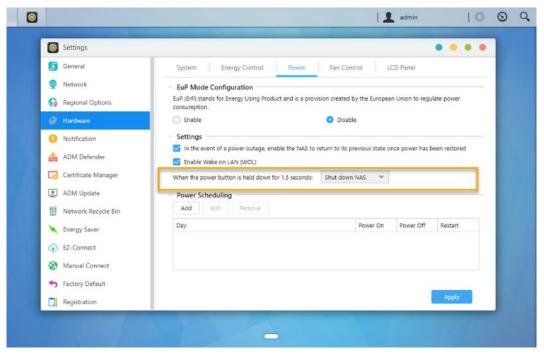
Press the [Up] or [Down] buttons to cycle through numbers. Press the [Confirm] button to confirm the number of your choice and to move on to the next number. Repeat this process until all of the numbers are configured. Pressing the [Back] button will bring up the "Confirm Change" option. You will be able to select between "Yes" and "No".

6.2.1.2.2. Subnet Mask

Press the [Up] or [Down] buttons to cycle through numbers. Press the [Confirm] button to confirm the number of your choice and to move on to the next number. Repeat this process until all of the numbers are configured. Pressing the [Back] button will bring up the "Confirm Change" option. You will be able to select between "Yes" and "No".

Shutting Down Your NAS

1. Confirm the function settings for the power button as shown in the graphic below. When the power button is held down for 1.5 seconds you can decide whether to shut down the NAS or have it entered into sleep mode. This setting may be access from within ADM by selecting: [Settings] → [Hardware] → [Power] → [Settings].



2. Hold down the power button for 1.5 seconds. You should be able to hear a "beep" from the system buzzer. Let go of the power button and the NAS will either shut down or enter sleep mode depending on your configuration.

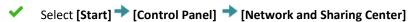


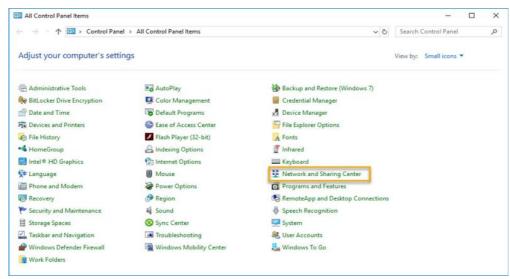
Troubleshooting

Q: Why can't I detect my ASUSTOR NAS using ASUSTOR Control Center?

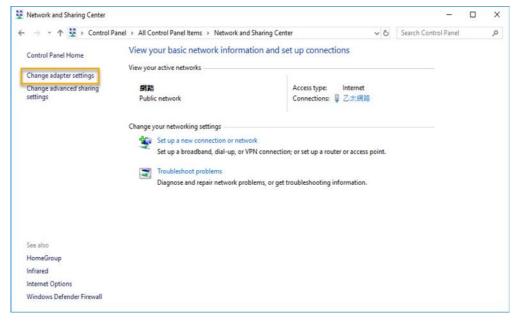
A: If you are having trouble detecting your NAS using ASUSTOR Control Center, please do the following:

- 1. Please check your network connection:
- ✓ Make sure that your computer and your NAS are part of the same local area network.
- Check to see if the network LED indicator is lit. If you find that it is not lit, try connecting your Ethernet cable to the other network port or try using a different Ethernet cable.
- 2. Please first disable any firewalls that may be running on your computer. Then try scanning for your NAS again using ASUSTOR Control Center.
- 3. If you still cannot detect your NAS, please connect your NAS to your computer using the provided RJ-45 network cable and change your computer's IP settings.

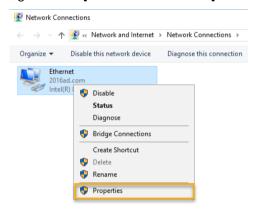




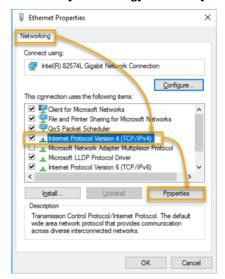
Click on [Change adapter settings] in the left hand panel.



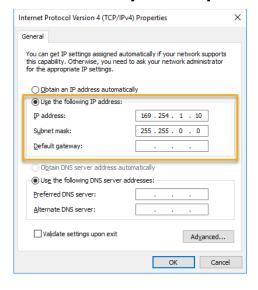
Right-click on [Local Area Connection] and select [Properties].



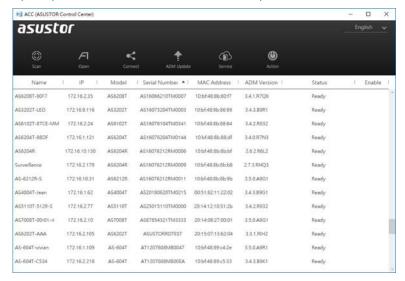
Under the [Networking] tab select [Internet Protocol Version 4 (TCP/IPv4)] and click on [Properties].



Under the [General] tab select the [Use the following IP address] radio button. Set the [IP address] to 169.254.1.10 and the [Subnet mask] to 255.255.0.0 and then click on [OK].



✓ Open up ASUSTOR Control Center to scan for your NAS.



4. If the above mentioned procedures have not managed to solve your problem, please contact your local ASUSTOR dealer or ASUSTOR Customer Service. You are also encouraged to browse through the ASUSTOR Knowledgebase.