

**asustor**

# Quick Installation Guide

Applicable Models  
FS6806X / FS6812X

Ver. 5.0.1015

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## Notices

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### 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 EMC directives 2014/30/EU and UK directive "Electromagnetic compatibility" and IEC 62368-1: 2018 "Information technology equipment-Safety".

## Safety Precautions

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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.







### Information on Minimum Support Timeframe for Security Updates

Scanning the QR code to the left will direct you to a page describing ASUSTOR's policies in regards to guaranteed timeframes for security updates in ADM for ASUSTOR NAS devices. This policy applies to ASUSTOR products worldwide and is additionally compliant with the UK's PSTI Act.



# 1. Package Contents

Applicable Models : FS6806X, FS6812X

Model Name	FS6806X 	FS6812X 
 <b>Power Cord</b>	x1	x1
 <b>Adapter</b>	x1	x1
 <b>RJ45 Network Cable</b>	x1	x2
 <b>Power Cord Tie</b>	x1	x1
 <b>Quick Installation Guide</b>	x1	x1

## 2. Optional Accessories

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

### 3. Hardware Installation Guide

All data stored on installed M.2 SSDs will be deleted and cannot be recovered when initializing your NAS or creating a volume. Before initializing, ensure data on M.2 SSDs is first backed up.

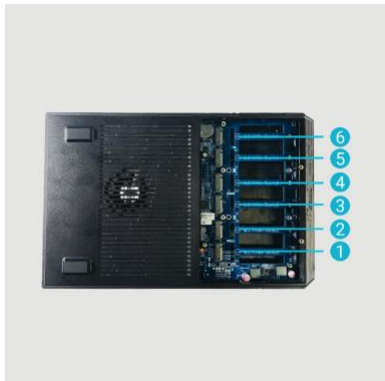
#### Tools Required for M.2 SSD Installation

- ✓ Phillips head screwdriver
- ✓ At least one 2280 NVMe M.2 SSD. For a list of compatible M.2 SSDs, click [here](#).

#### Installing M.2 SSDs

##### Installing SSDs in Slots 1-6 – FS6806X and FS6812X

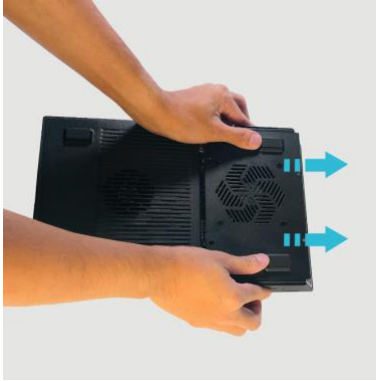
1. Installed M.2 slots SSDs are numbered sequentially.



2. Use a Phillips screwdriver to remove the screws on the bottom cover.



- Slide the cover away from the NAS and lift upon release.



- Align M-key M.2 SSD with the M-key notch of the slot and insert at a 45° angle.



- Once inserted, push the SSD down so that it is flush with the motherboard while pushing SSD locking lever open to secure the SSD. Once SSD is fully flush, release lever to secure SSD. If heatsinks are needed, they should be installed now.



6. Return cover back to its original position by sliding it towards the NAS.

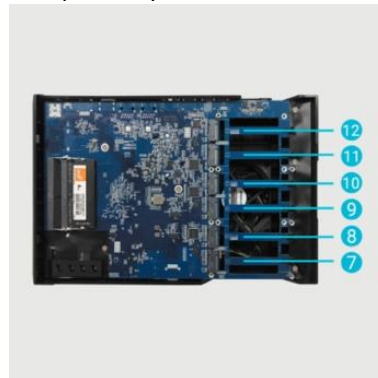


7. Use a Phillips screwdriver to restore screws.



### Installing SSDs into Slots 7-12 – FS6812X Only

1. M.2 slots for NVMe SSDs are numbered sequentially from 1 to 12 as shown below. These instructions



2. Use a Phillips screwdriver to remove the screws of the top cover.



3. Please remove the cover in the direction of the arrow.



4. Align M-key M.2 SSD with the M-key notch of the slot and insert at a 45° angle.



5. Once inserted, push the SSD down so that it is flush with the motherboard while pushing SSD locking lever open to secure the SSD. Once SSD is fully flush, release lever to secure SSD. If heatsinks are needed, they should be installed now.



6. Return cover back to its original position by sliding it towards the NAS.



7. Use a Phillips screwdriver to tighten the screws for the top cover.



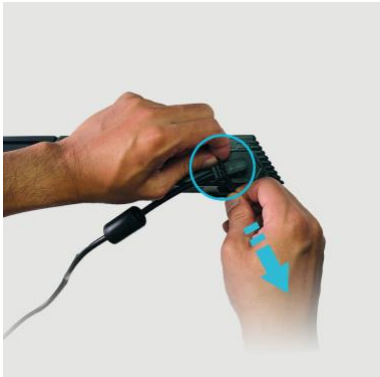
## Securing the Power Cord

**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.

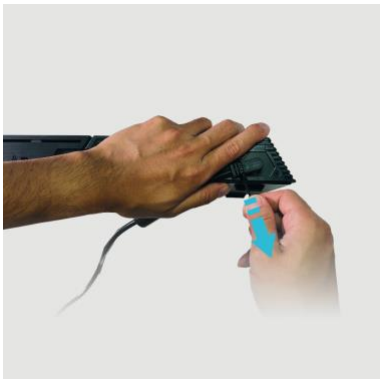
1. Take the cord bracket out of the accessories box.
2. Insert the power cord cable tie into the cable tie socket.



3. Fasten cable tie onto AC adapter cord.



4. Tighten buckle in the direction of the arrow.



## 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 the power button on the right.



4. When the blue power indicator light is on, it means that the NAS is powered on. When booting up, the green system indicator light will flash and the network indicator light will be on if connected to a network. The green system indicator light will stop flashing when the NAS has successfully booted up. Please refer to the light indicator table in the appendix for more information.

## Upgrading System Memory

### Notes and Precautions

All FS68 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 FS68 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.

**FS6806X**



**FS6812X**



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

**FS6806X**



**FS6812X**



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

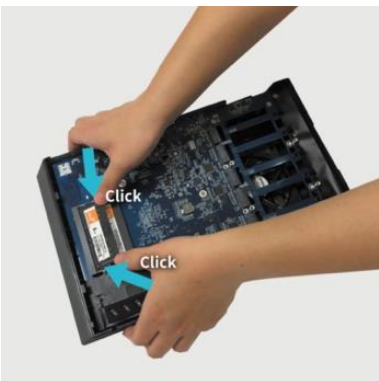


## Installing Memory

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.

**FS6806X**



**FS6812X**



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

**FS6806X**



**FS6812X**



## 4. Software Installation Guide

There are 3 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

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


Name	IP	Model	Serial Number	MAC Address	ADM Version	Status	Enable
AS6208T-80F7	172.16.2.35	AS6208T	AS16066210TM0007	10:bf:48:8b:80:f7	3.4.1.R7Q6	Ready	
AS3202T-LEO	172.16.9.116	AS3202T	AS16073204TM0003	10:bf:48:9b:86:99	3.4.3.B9R1	Ready	
AS6102T-87CE-MM	172.16.2.24	AS6102T	AS16076104TM0341	10:bf:48:8b:88:64	3.4.2.R932	Ready	
AS6204T-88DF	172.16.1.121	AS6204T	AS16076204TM0144	10:bf:48:8b:88:df	3.4.0.R7N3	Ready	
AS6204R	172.16.10.130	AS6204R	AS16076212RM0006	10:bf:48:8b:8b:bf	2.6.2.R6L2	Ready	
Surveillance	172.16.2.179	AS6204R	AS16076212RM0009	10:bf:48:8b:8b:b8	2.7.3.RHQ3	Ready	
AS-6212R-S	172.16.10.31	AS6212R	AS16076212RM0011	10:bf:48:8b:8b:9b	3.5.0.A9G1	Ready	
AS4004T-Jean	172.16.1.62	AS4004T	AS20180620TM0215	00:51:82:11:22:02	3.4.3.B9G1	Ready	
AS5110T-5129-S	172.16.2.77	AS5110T	AS25015110TM0000	20:14:12:10:51:2b	3.4.2.R932	Ready	
AS7008T-00r01-ri	172.16.2.10	AS7008T	AS87654321TM3333	20:14:08:27:00:01	3.5.0.A9G1	Ready	
AS6202T-AAA	172.16.2.105	AS6202T	ASUSTORRDETEST	20:15:07:13:62:04	3.3.1.RIH2	Ready	
AS-604T-vivian	172.16.1.109	AS-604T	AT1207608MB0047	10:bf:48:89:c4:2e	3.5.0.A9R1	Ready	
AS-604T-C534	172.16.2.218	AS-604T	AT1207608MB00EA	10:bf:48:89:c5:33	3.4.3.B9K1	Ready	

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.

**Appearance**




light color




Dark

**System settings**




One-click setting

The system will make optimal settings based on your computer settings and the number of installed hard drives. (recommended option)



advanced settings

You can specify each basic setting one by one



## Mac Users

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


Name	IP Address	Model	Serial Number	MAC address	ADM Version	Status	WOL
AS1004T-1124-rr	172.16.1.53	AS1004T...	AL18041004EM00FB	20:18:11:15:11:24	3.4.2.R932	Ready	--
AS1002T-76BE	172.16.2.117	AS1002T...	AL18041004EM0119	10:BF:48:8C:76:BE	3.4.3.BA21	Ready	--
MARCO4004T	172.16.2.196	AS4004T	AL18054004TM00EC	10:BF:48:8C:7D:FB	3.4.1.R7Q8	Ready	--
AS4002T-RUDY	172.16.1.167	AS4002T	AL18064004TM0021	10:BF:48:8C:95:DA	3.4.2.R932	Ready	--
AS4002T-9B26	172.16.2.160	AS4002T	AL18064004TM0035	10:BF:48:8C:9B:26	3.4.3.BA21	Ready	--
AS6404T-1400TC	172.16.1.3	AS6404T	AL18076404TM0030	20:18:12:12:14:00	3.4.2.R932	Ready	--
AS1004T-LEO	172.16.2.156	AS1004T...	AL18081004EM03DF	20:19:02:19:16:1A	3.4.3.BA21	Ready	--
AS6302T-CDCF-ri	172.16.10.235	AS6302T	AL18116304TM012B	10:BF:48:8C:DC:8D	3.3.1.BHT1	Ready	--
AS6404T-DD51-AA	172.16.3.94	AS6404T	AL18116404TM005E	10:BF:48:8C:DD:51	3.4.2.R932	Ready	--
AS6404T-jlnnnnnnnn...	172.16.1.142	AS6404T	AL18116404TM0064	10:BF:48:8C:DD:59	3.4.3.B9R1	Ready	--

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.

**Appearance**




light color




Dark

**System settings**



One-click setting

The system will make optimal settings based on your computer settings and the number of installed hard drives. (recommended option)



advanced settings

You can specify each basic setting one by one



## Web Installation

1. 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.

#### Appearance



light color



Dark

#### System settings



One-click setting

The system will make optimal settings based on your computer settings and the number of installed hard drives. (recommended option)



advanced settings


You can specify each basic setting one by one

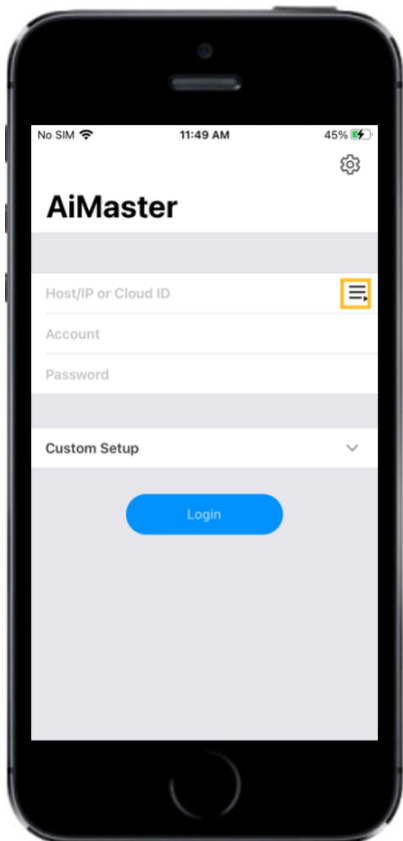


## Installation Using a Mobile Device

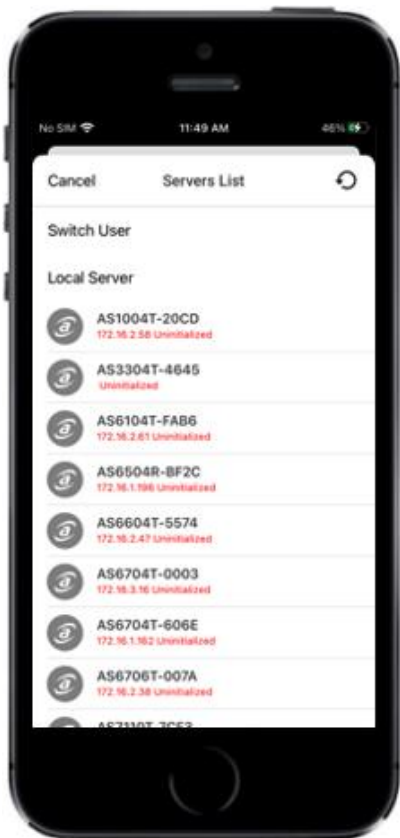
1. Search for “AiMaster” in Google Play or the Apple App Store. You can also scan the QR codes provided below. Download and install the AiMaster mobile app to your mobile device.



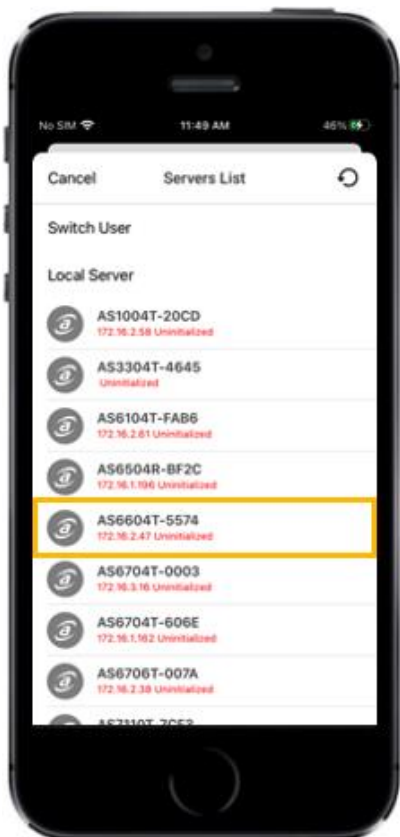
2. Make sure that your mobile device is connected to the same local network that your NAS is connected to.
3. Next, open AiMaster and then select the  icon from the toolbar at the top of the screen.



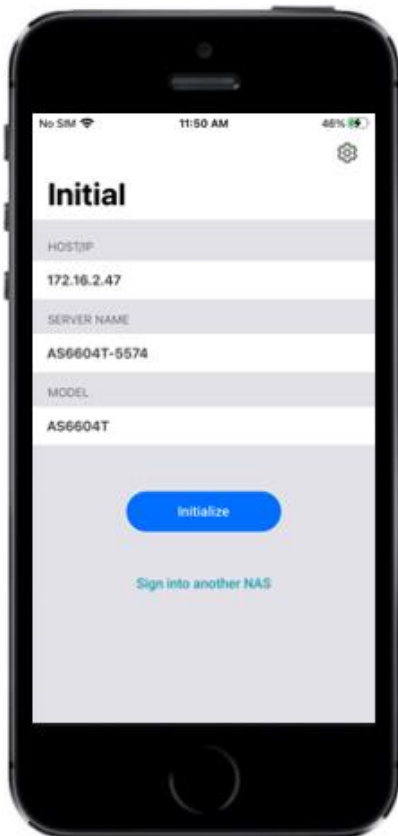
4. Select **[Auto Discovery]**. AiMaster will now scan the local network for your NAS.



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.







## 5. Appendix

### LED Indicators

FS6806X / FS6812X



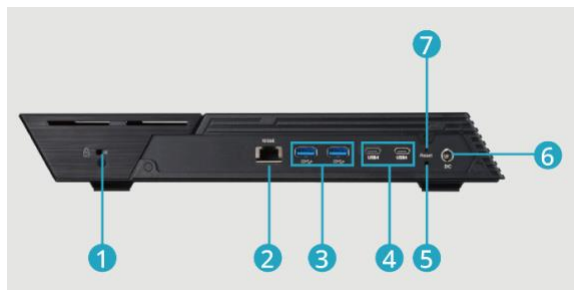
- 1** Power LED Indicator
- 2** System Status LED Indicator
- 3** Network LED Indicator
- 4** Hard Disk LED Indicator

LED Indicator	Color	Description	State
Power 	Blue	Steadily lit	Power on
		Flashing	Waking from sleep mode (S3)
	Orange	Steadily lit	Sleep mode (S3)
		Flashes every 10 seconds	LED night mode
System Status 	Green	Flashing	Powering on
		Steadily lit	System ready
Network 	Blue	Steadily lit	2.5G/1G/100M Network port connected
	purple	Steadily lit	10G Network port connected
Hard Disk 	Green	Steadily lit	Hard disk ready
		Flashing	Data access in progress

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

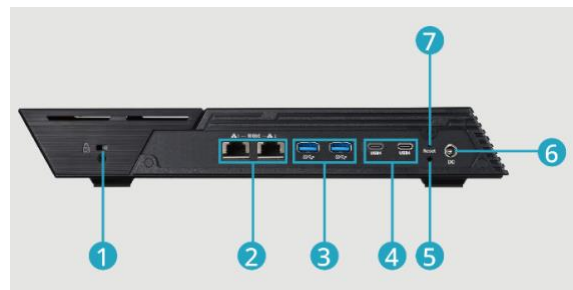
## Rear Panel

FS6806X



- 1** K-Lock
- 2** 10G RJ45 Ports
- 3** USB 3.2 Gen 2 Ports
- 4** USB 4.0 Ports

FS6812X



- 5** Power cord cable tie socket
- 6** DC Input
- 7** Reset Button

## (Optional Step) Installing M.2 SSD Heatsinks (Sold Separately)

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

1. After installing M.2 drives, remove protective film from heatsink and align the M.2 heatsink with the screw holes on the motherboard and fasten the screws.

**FS6806X**



**FS6812X**

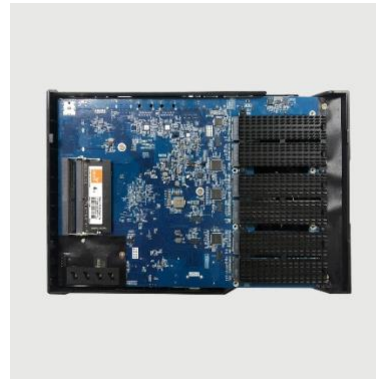


2. Up to three heatsinks can be installed per side.

**FS6806X**

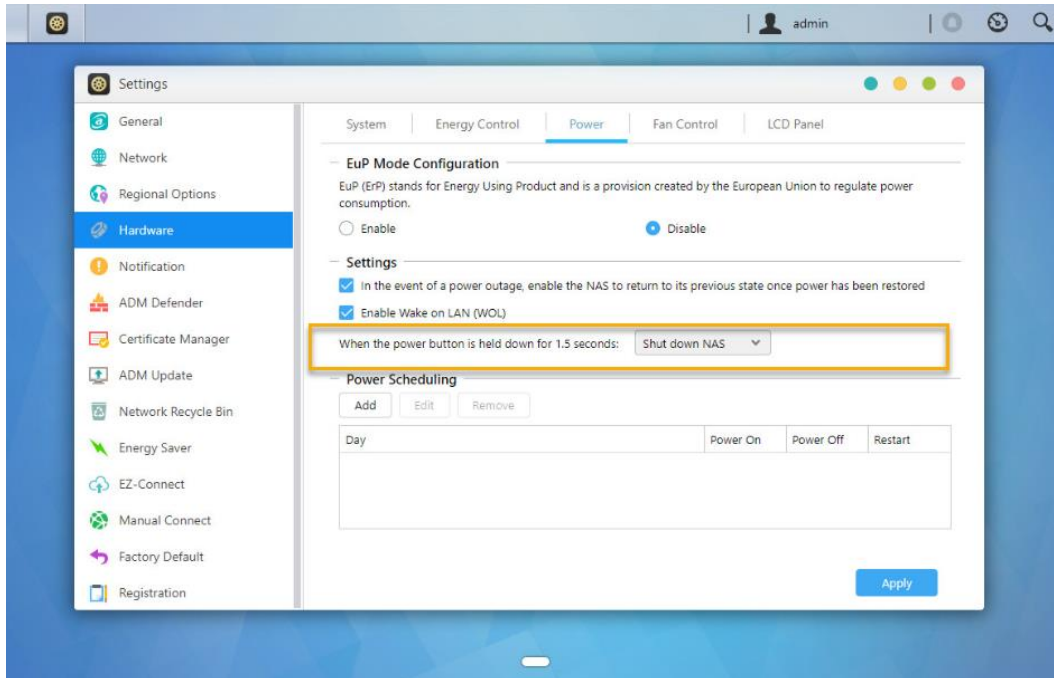


**FS6812X**



## 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:

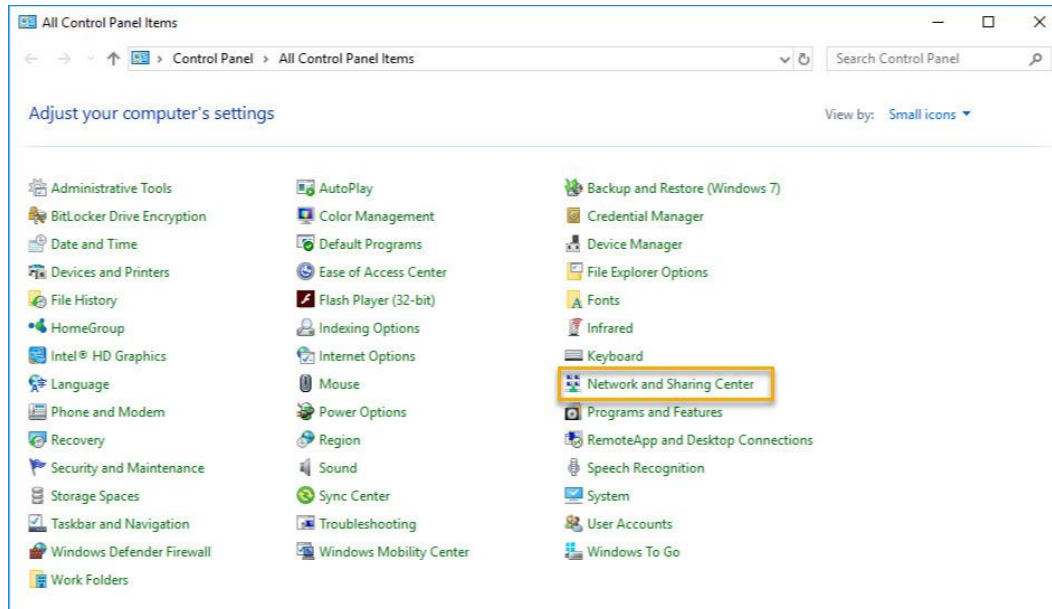
1. Please check your network connection:

- ✓ 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.

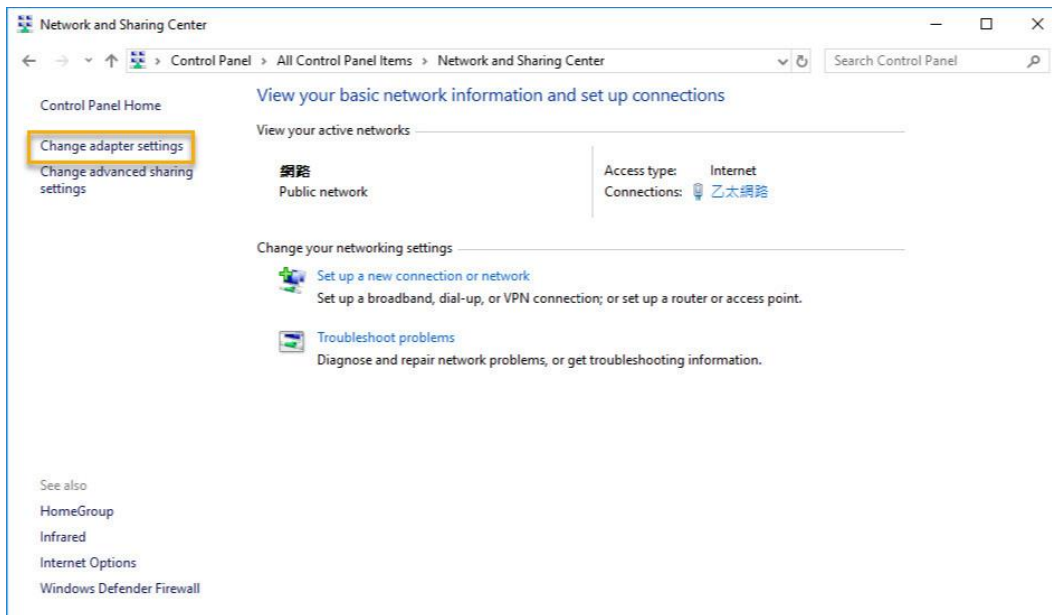
2. Please first disable any firewalls that may be running on your computer. Then try scanning for your NAS again using ASUSTOR Control Center.

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.

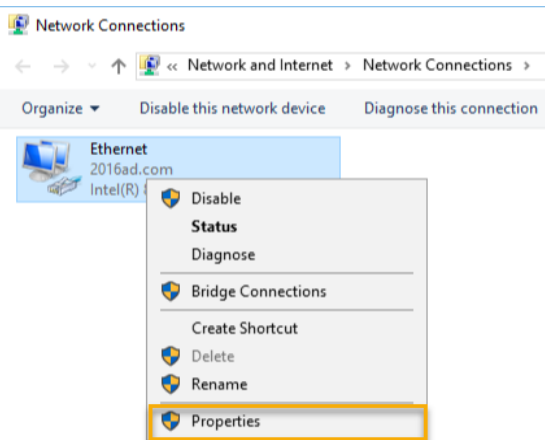
- ✓ Select **[Start]** → **[Control Panel]** → **[Network and Sharing Center]**



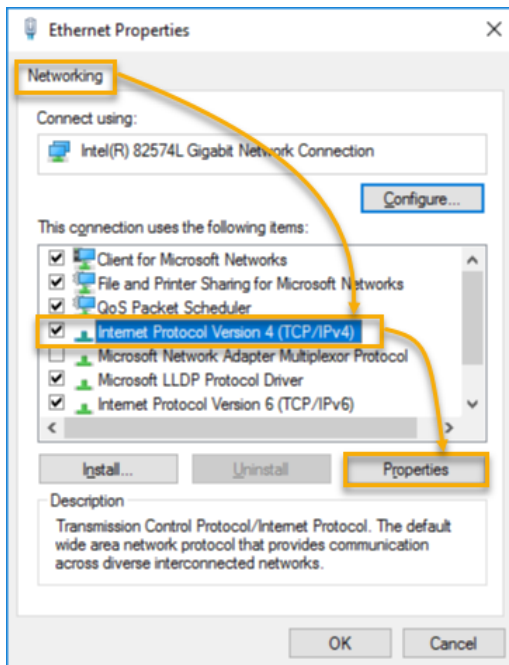
✓ Click on **[Change adapter settings]** in the lefthand panel.



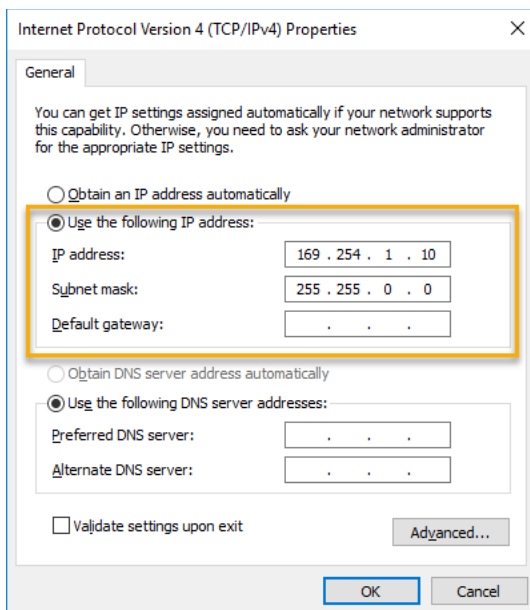
✓ Right-click on **[Local Area Connection]** and select **[Properties]**.



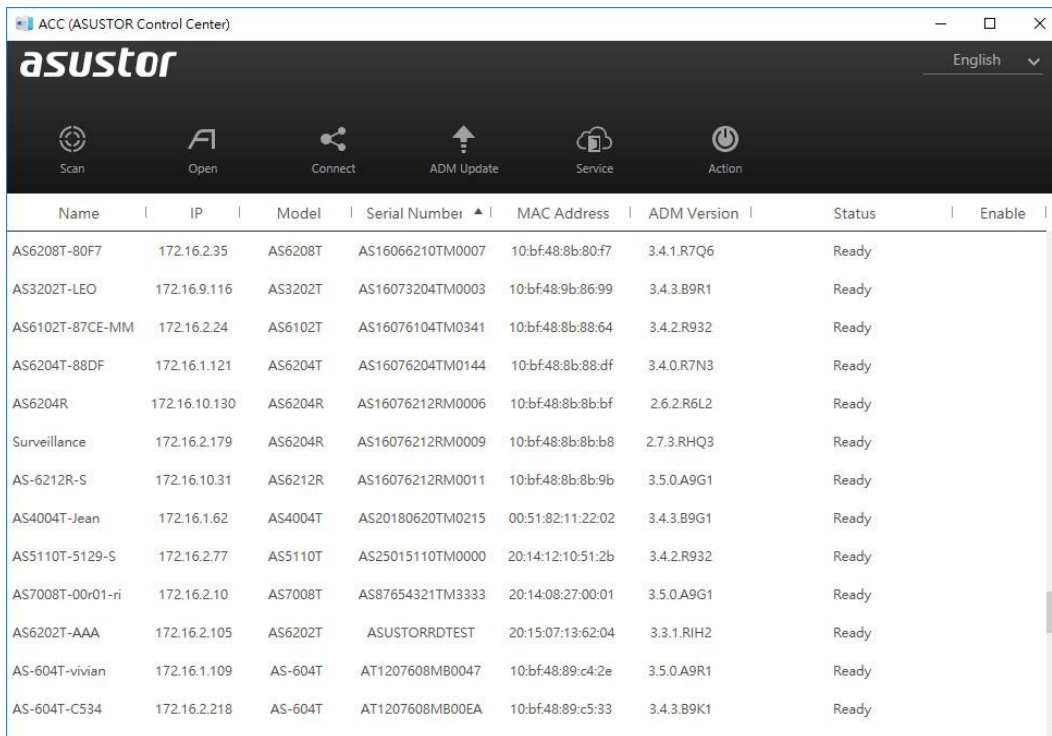
- ✓ Under the **[Networking]** tab select **[Internet Protocol Version 4 (TCP/IPv4)]** and click on **[Properties]**.



- ✓ 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.



- 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](#).