NCM1120D2

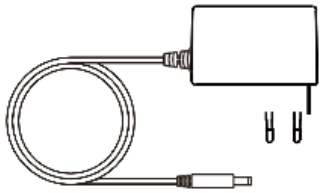
5G ODU User Manual

AT&T

Table of Contents

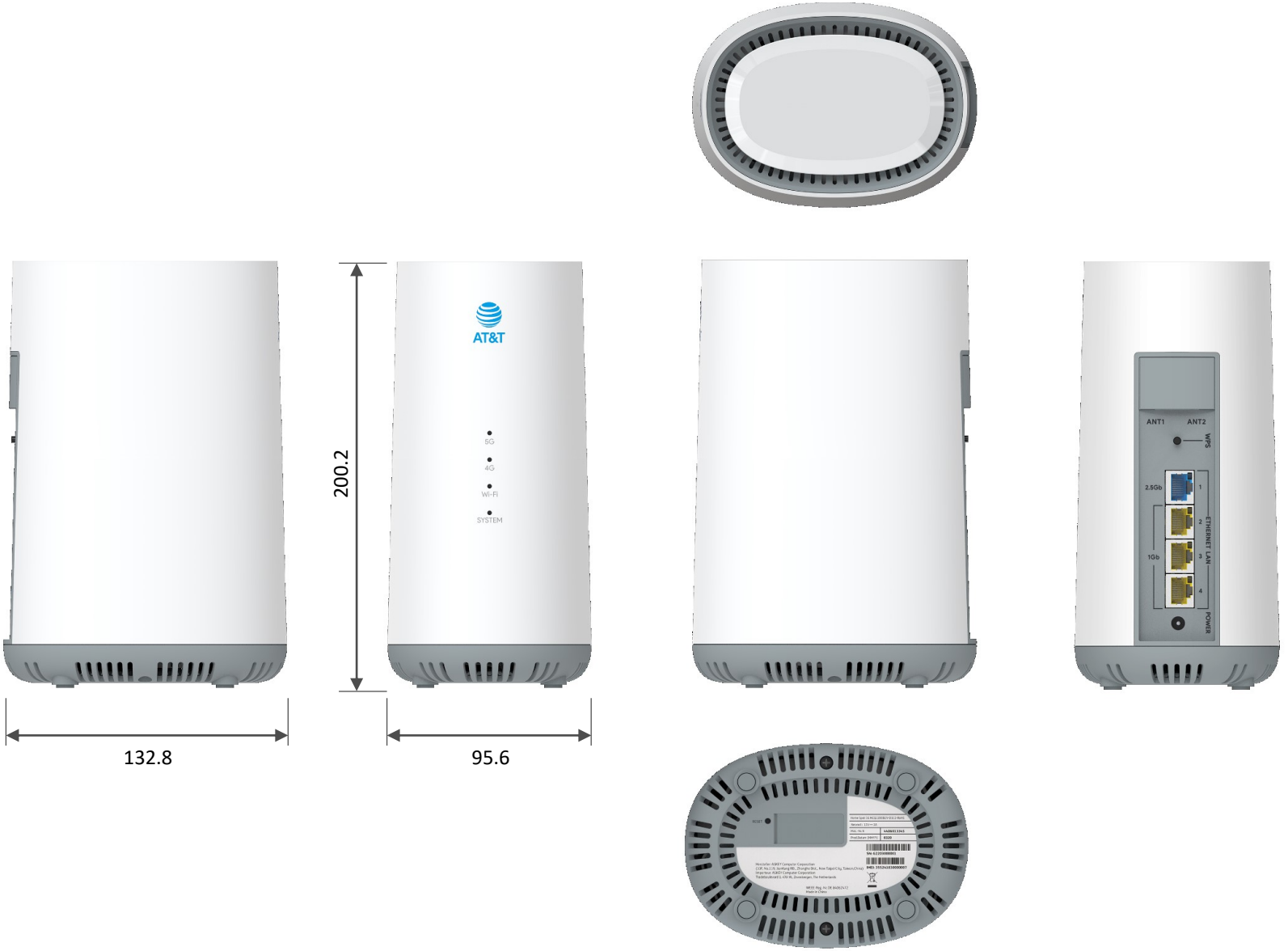
1.1 Device and Accessories

ODU Device



PSU Power Adapter

1.2 Device View



2.1 LED Indicators

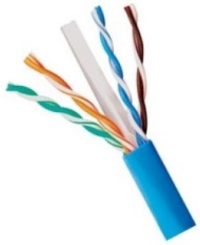
LED	State	Indication	Note
5G	Strong	Green, Solid	BRSRP>=-80dBm
	Normal	Blue, Solid	-80dBm>BRSRP>=-95dBm
	Weak	Red, Solid	BRSRP<-95dBm
	No 5G Connected	off	
4G	Strong	Green, Solid	RSRP>=-80dBm
	Normal	Blue, Solid	-80dBm>RSRP>=-95dBm
	Weak	Red, Solid	RSRP<-95dBm
	No 4G Connected but SIM is ready	off	
	SIM Error	Red, Blink	
Wi-Fi	Wi-Fi Turn Off	off	
	Wi-Fi Turn On	Green, Solid	
	Wi-Fi Error	Red, Solid	
	WPS Query	Blue, Blink	Press “WPS button” equal or more than 3 seconds
	WPS Finish	Blue, Solid	Lasts 10 seconds and change to show the 'Wi-Fi turn on/off/error' status
System	System Shutdown	off	
	System Booting	Green, Blink	
	System Reset	Green, Blink	Blinking 5 seconds and light off
	System Error	Red, Solid	
	System Ready	Green, Solid	
	Firmware Upgrading	Blue, Blink	

2.2 Ethernet Cable

- Recommend to use Ethernet cable (RJ45) with **CAT-6** or above for better stability of PoE.

Type	Speed			
	(Mb/s)		(Gb/s)	
	10	100	1	10
CAT-5	◎	◎		
CAT-5e	◎	◎	◎	
CAT-6	◎	◎	◎	◎
CAT-6a	◎	◎	◎	◎

Cat5e



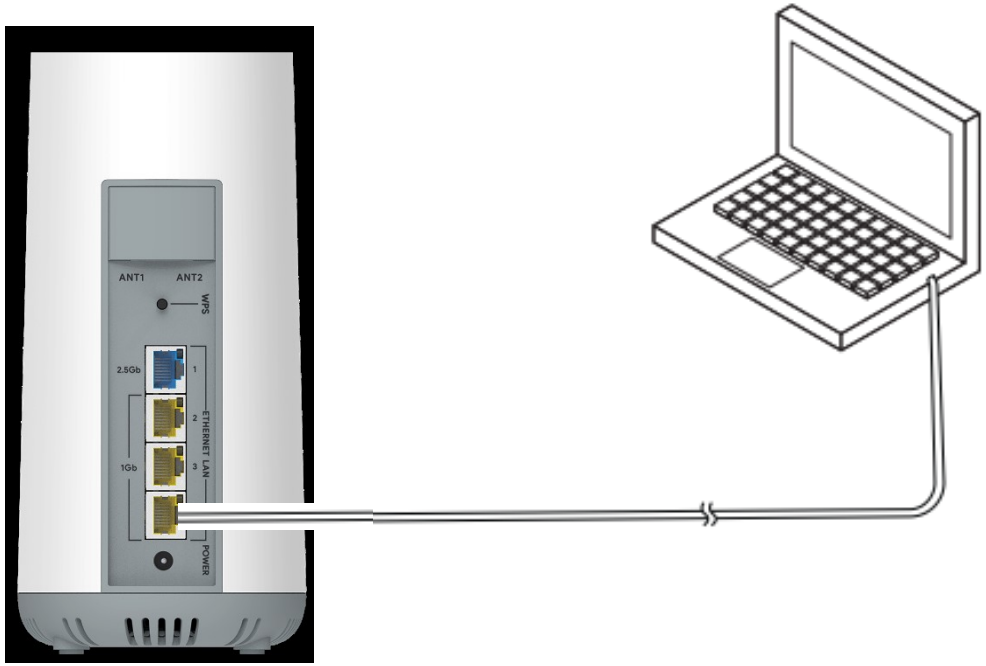
Cat6

Cat6a

2.3 Connect Your Device

Step1. Plug in AC outlet.

Step2. Connect Ethernet cable from computer to LAN port of IDU. PC should get IP from ODU.

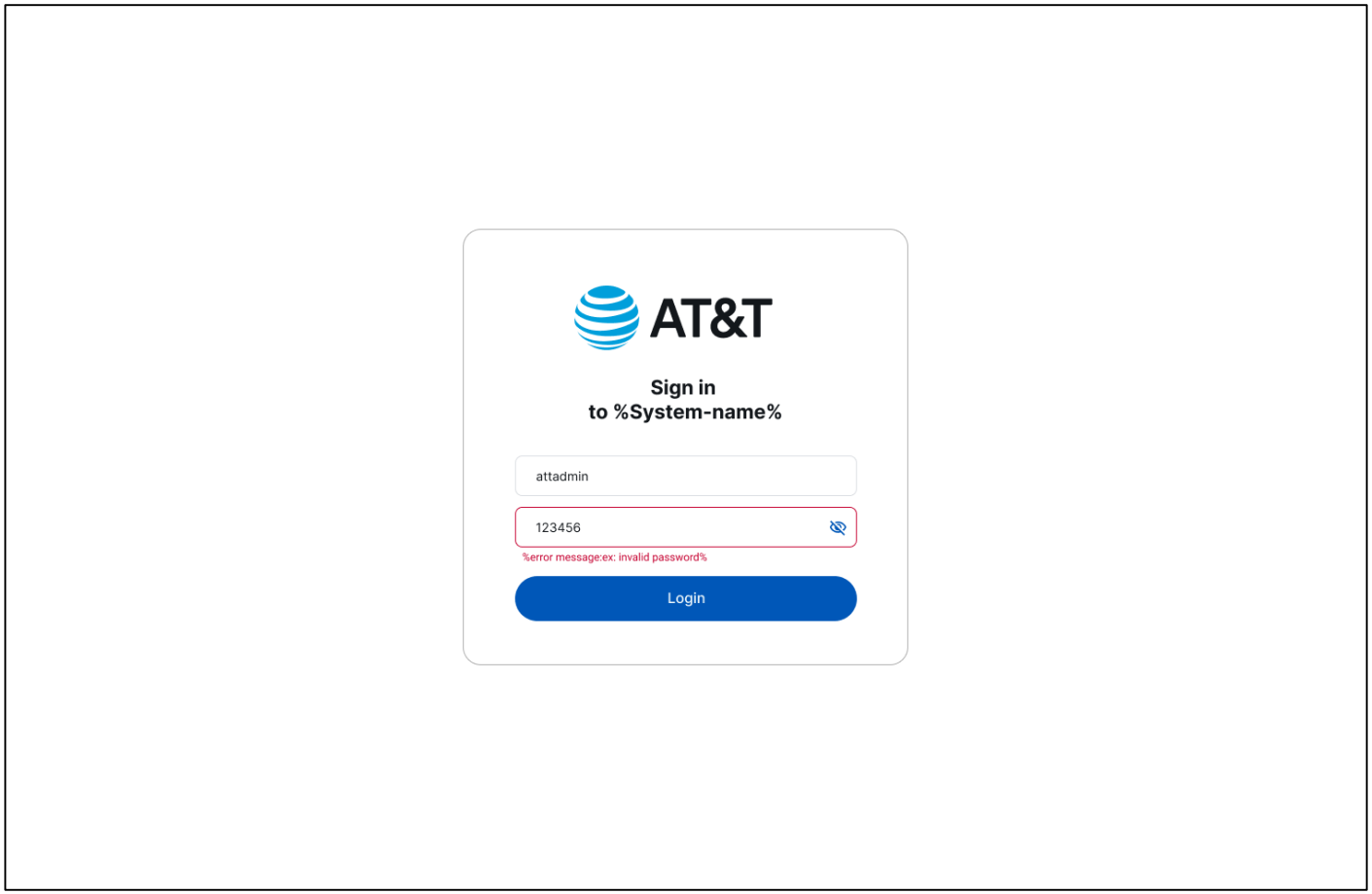


3.1 Web UI Login

Step1. Use a Web Browser to Access the ODU.

Step2. Open URL **http://192.168.1.1** to access login page.

Step3. Enter Username and Password.

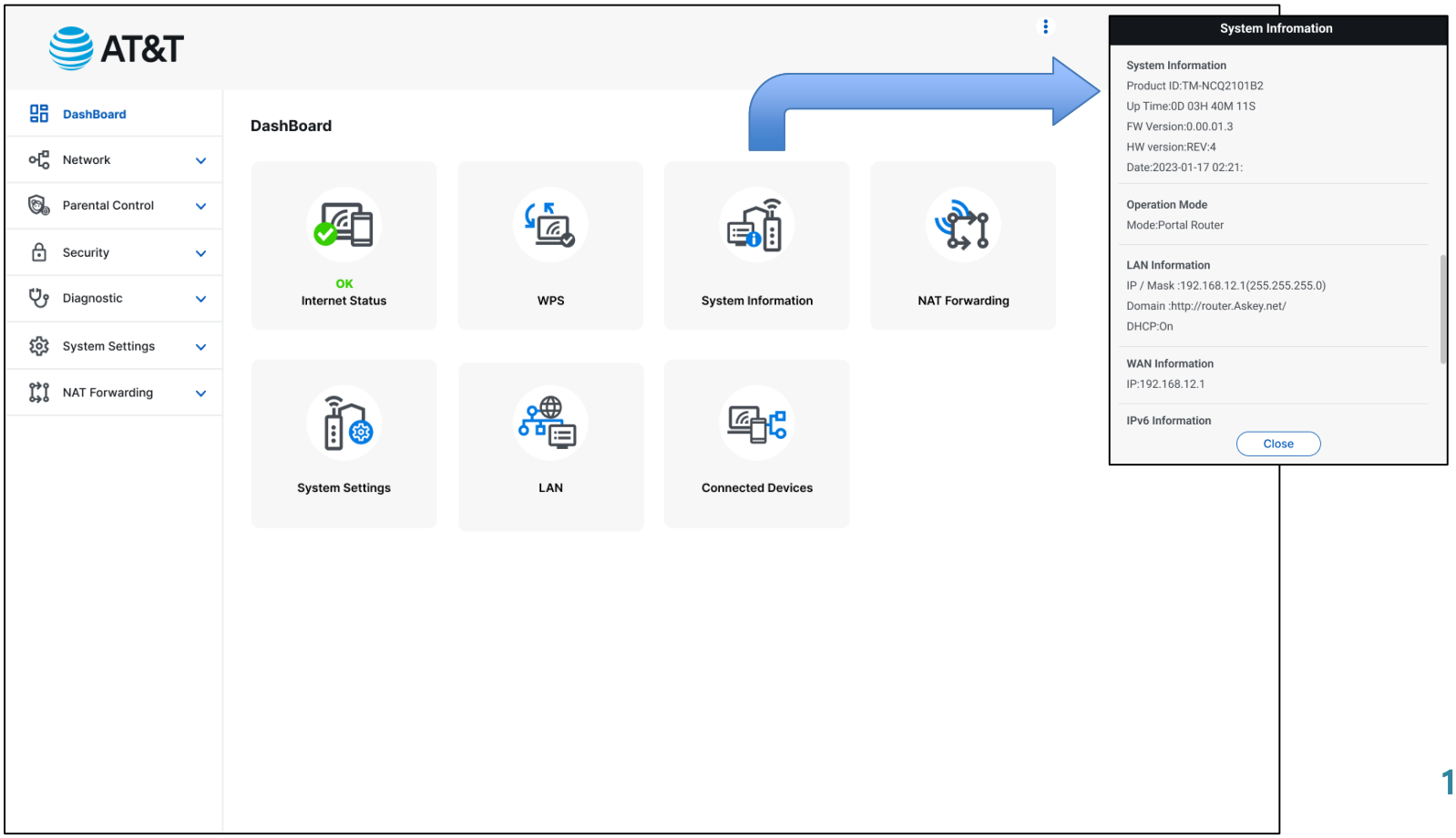


3.2 Dashboard

Step1. Login Web UI

Step2. When the network status is Connected**, it will show OK internet status.**

Step3. Check detailed information regarding System Information.



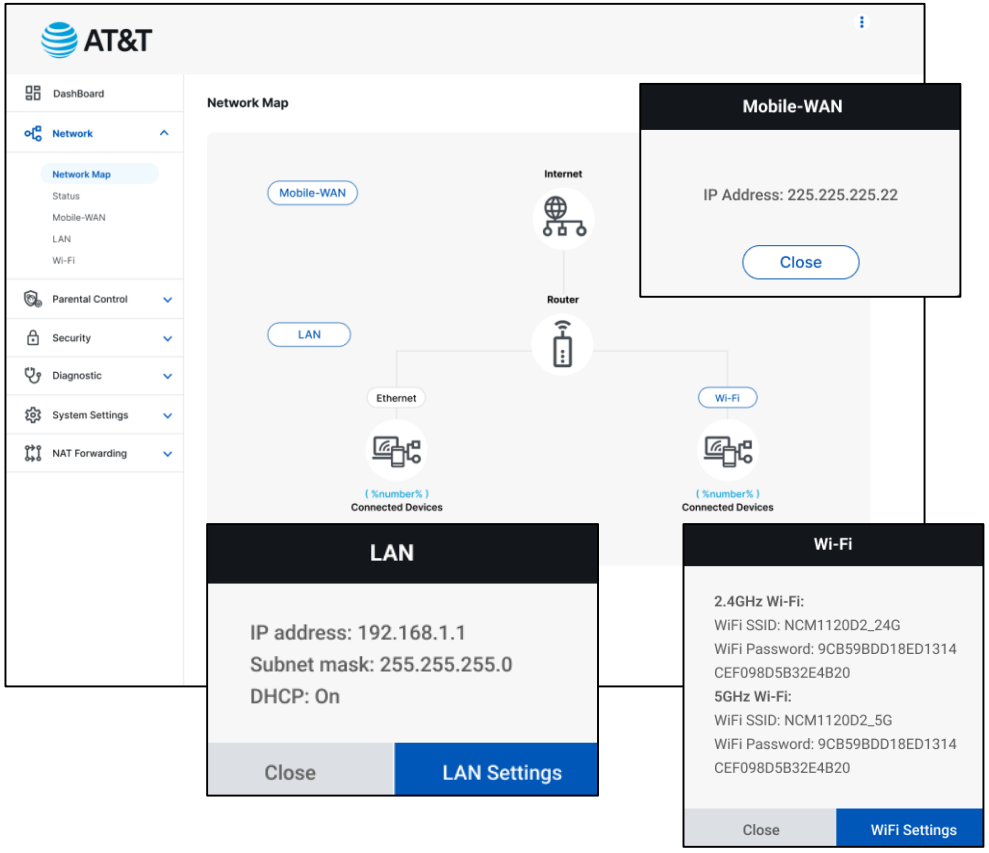
3.3 Check Network Map

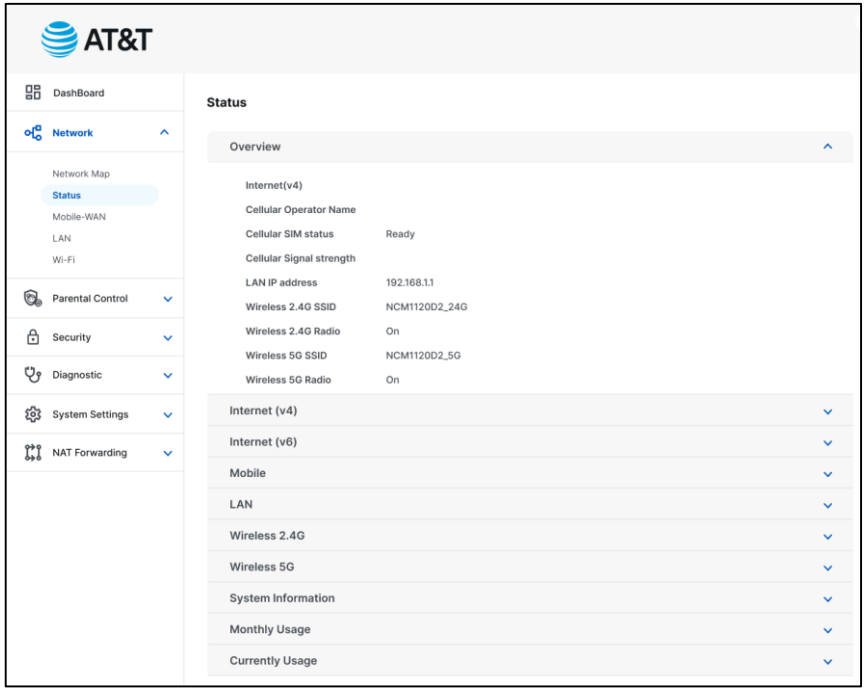
Step1. Navigate to Network > **Network Map**

Step2. Check information regarding Mobile-WAN, LAN and Wi-Fi icon.

Step3. Navigate to Network > **Status**

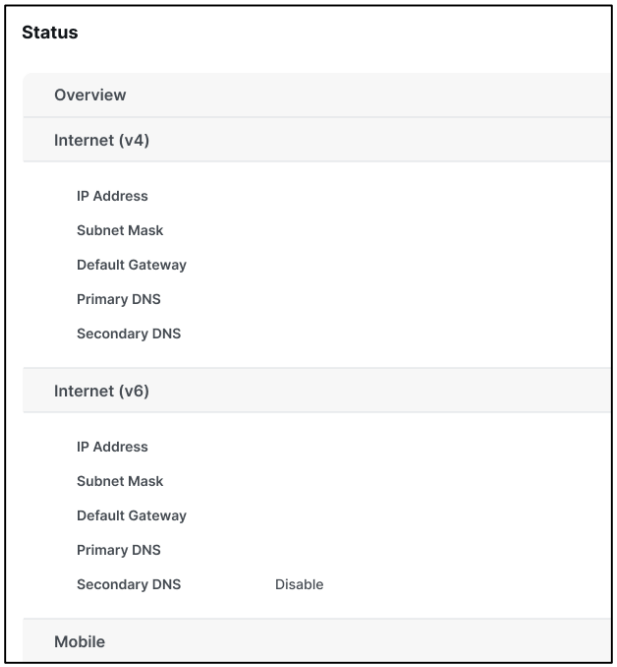
Step4. Check Overview information.

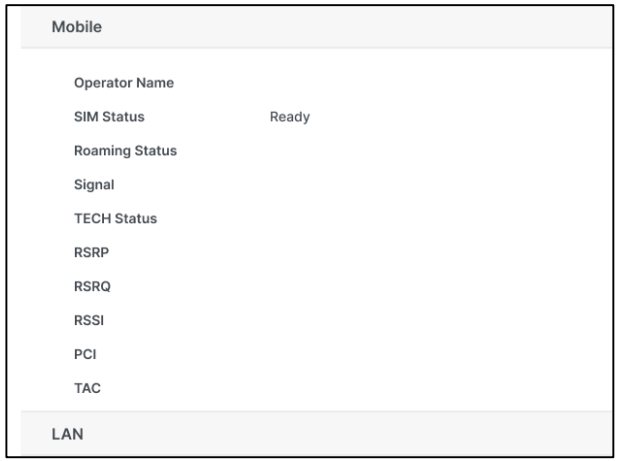


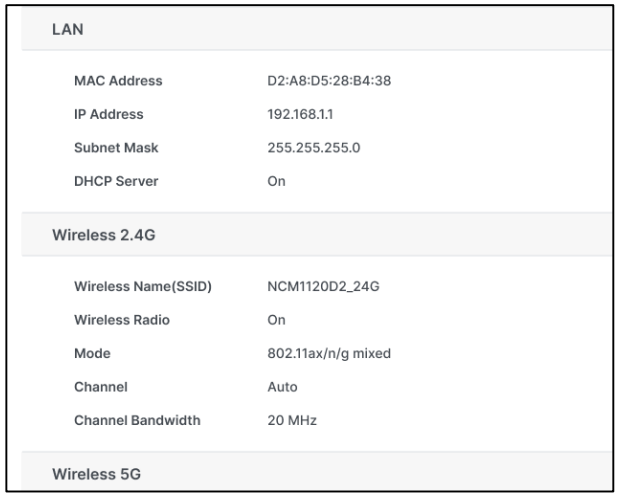


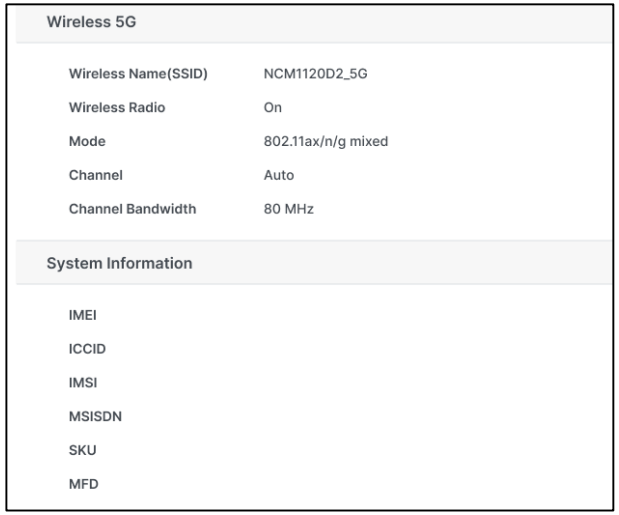
3.4 Check Network Status

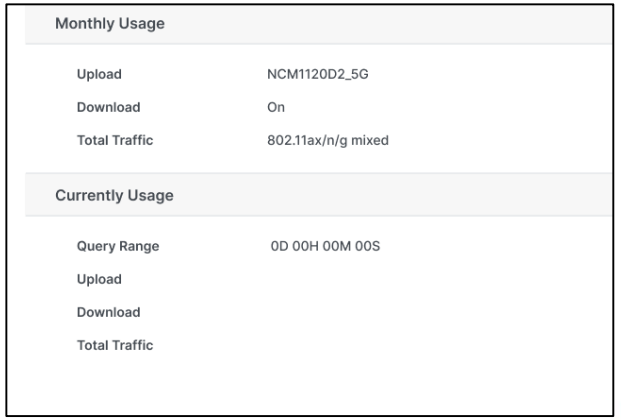
Step5. Check detailed information regarding Internet(v4), Internet(v6), Mobile, LAN, Wireless 2.4G, Wireless 5G, Monthly Usage and Weekly Usage.







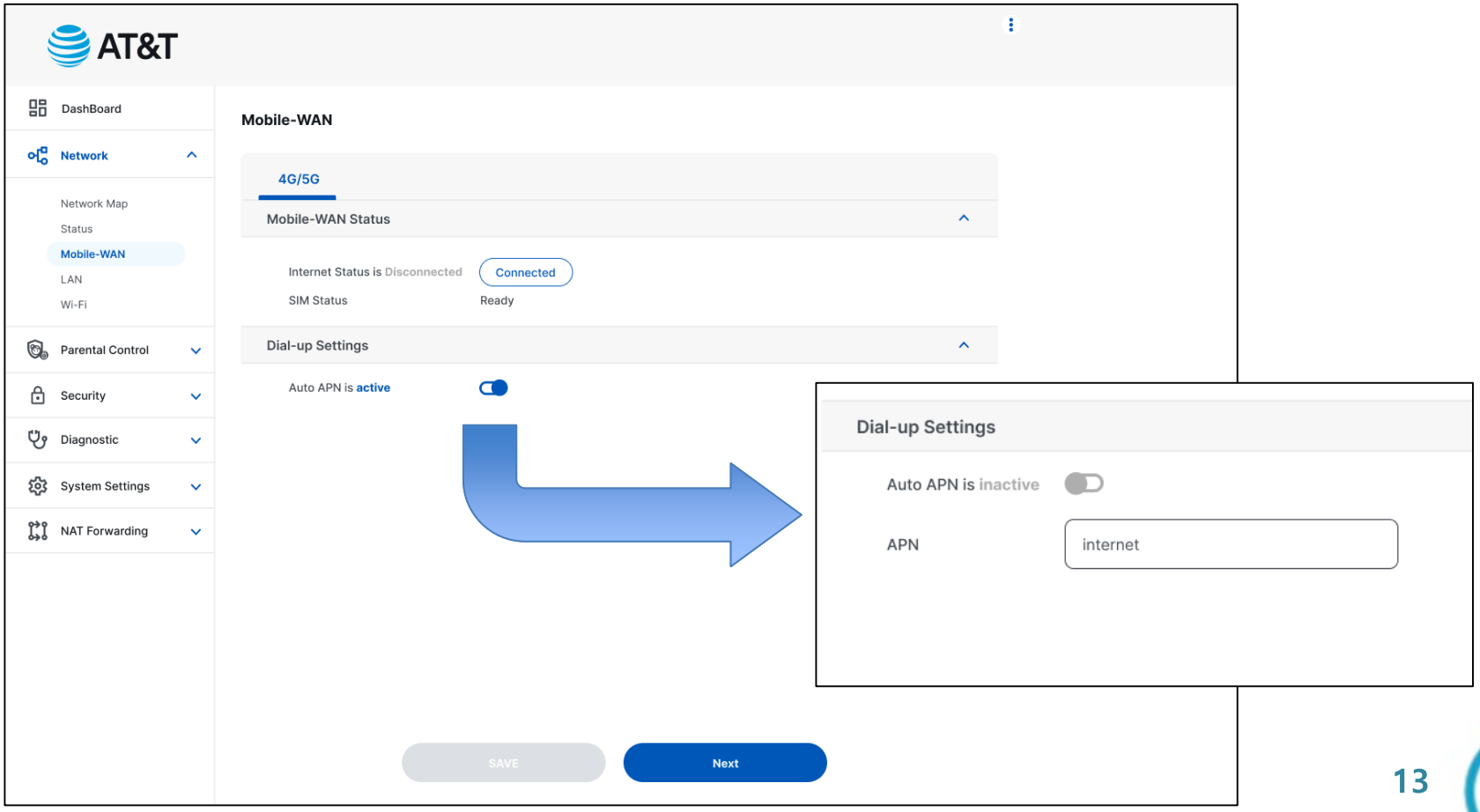




3.5 Manage 4G/5G settings

Step1. Navigate to Network > **Mobile-WAN**

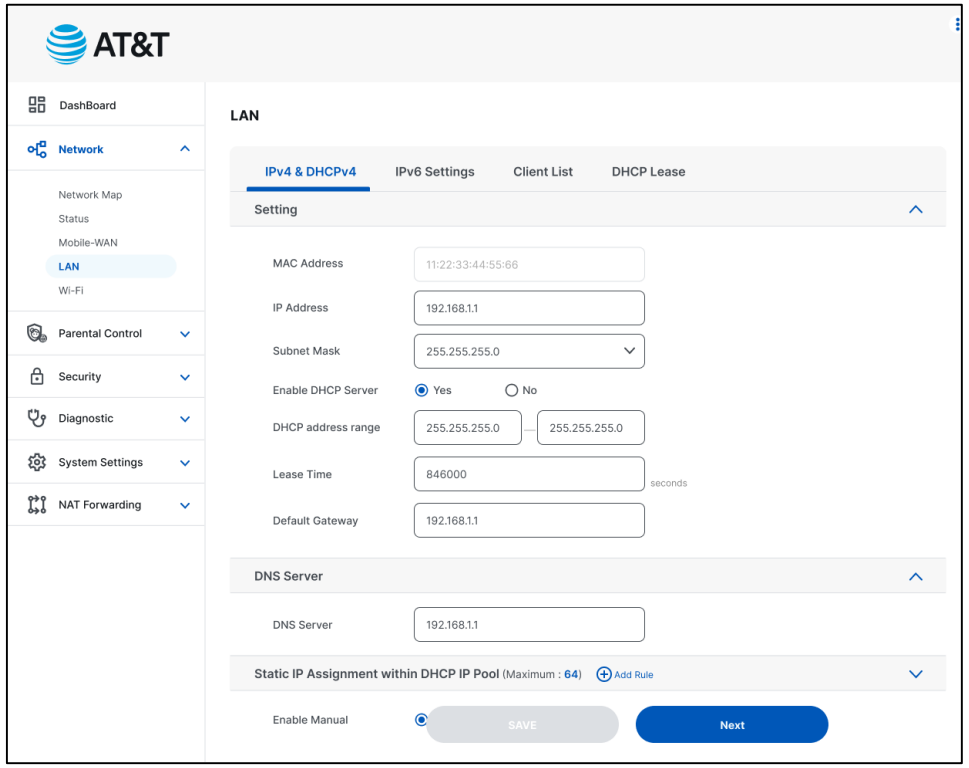
Step2. The SIM status and APN (active and inactive) related settings are here.

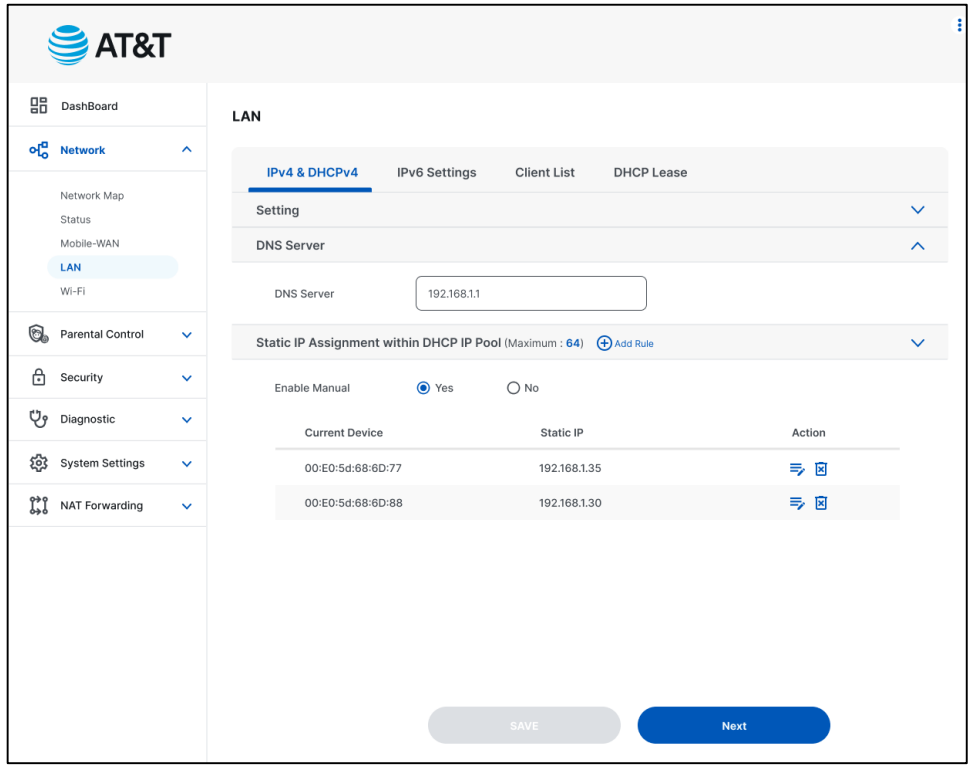


3.6.1 Manage LAN settings

Step1. Navigate to Network > **LAN**

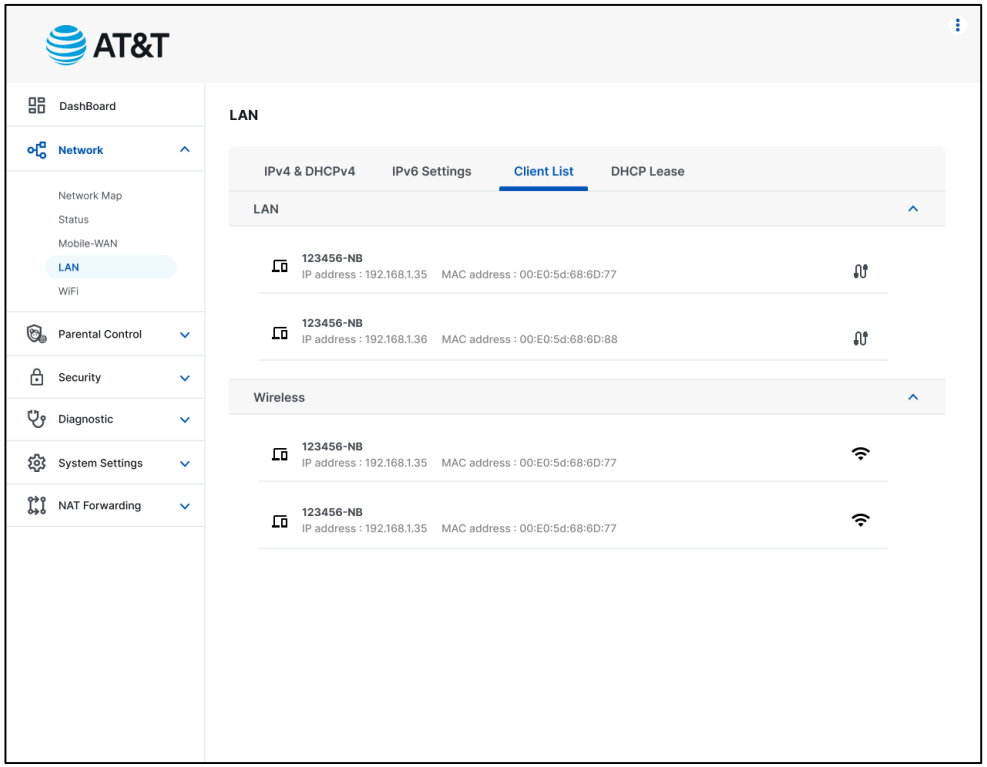
Step2. IPV4(and IPV6)& DHCP related settings are here.

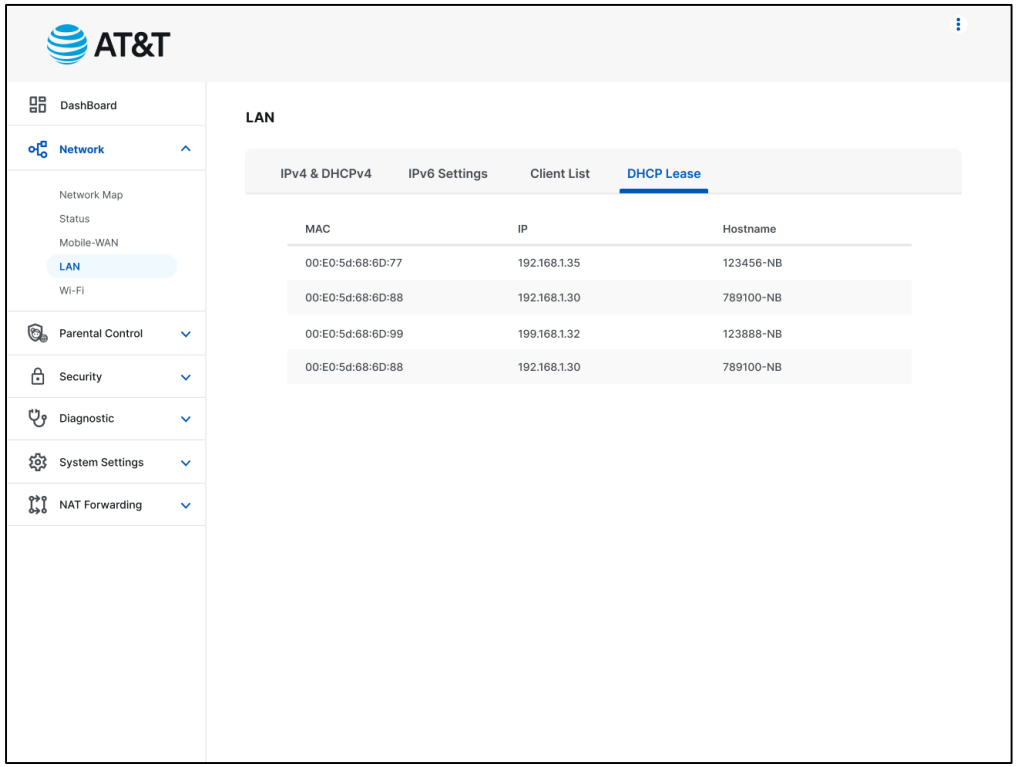




3.6.2 Manage LAN settings

Step3. Check information regarding Client List, and DHCP Lease.



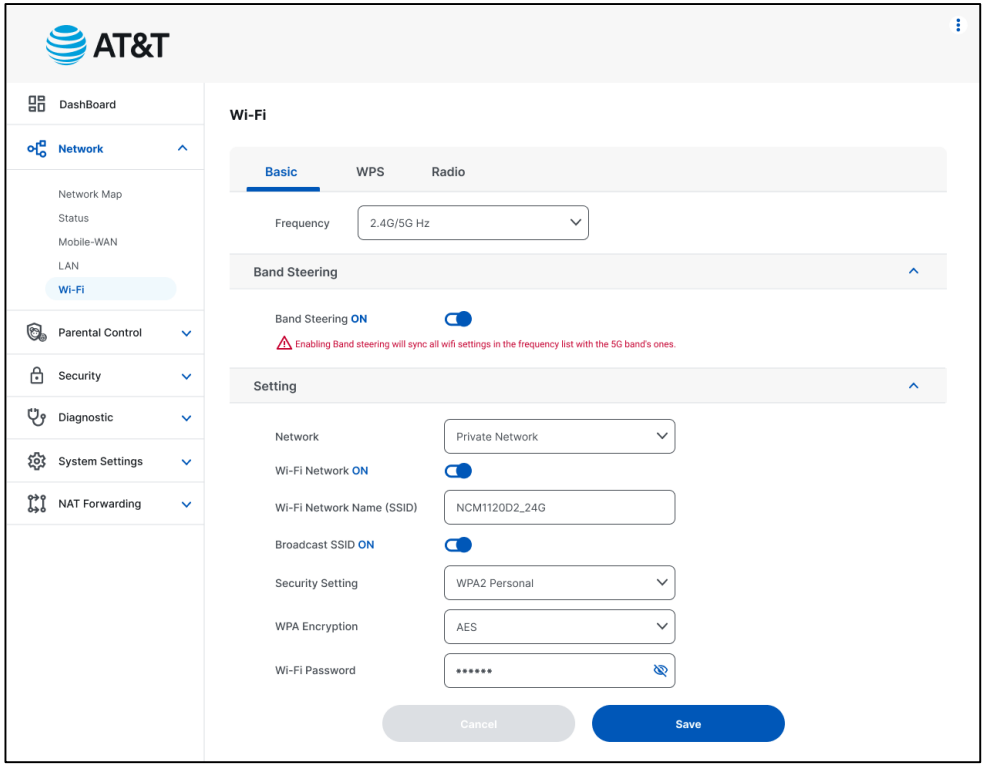


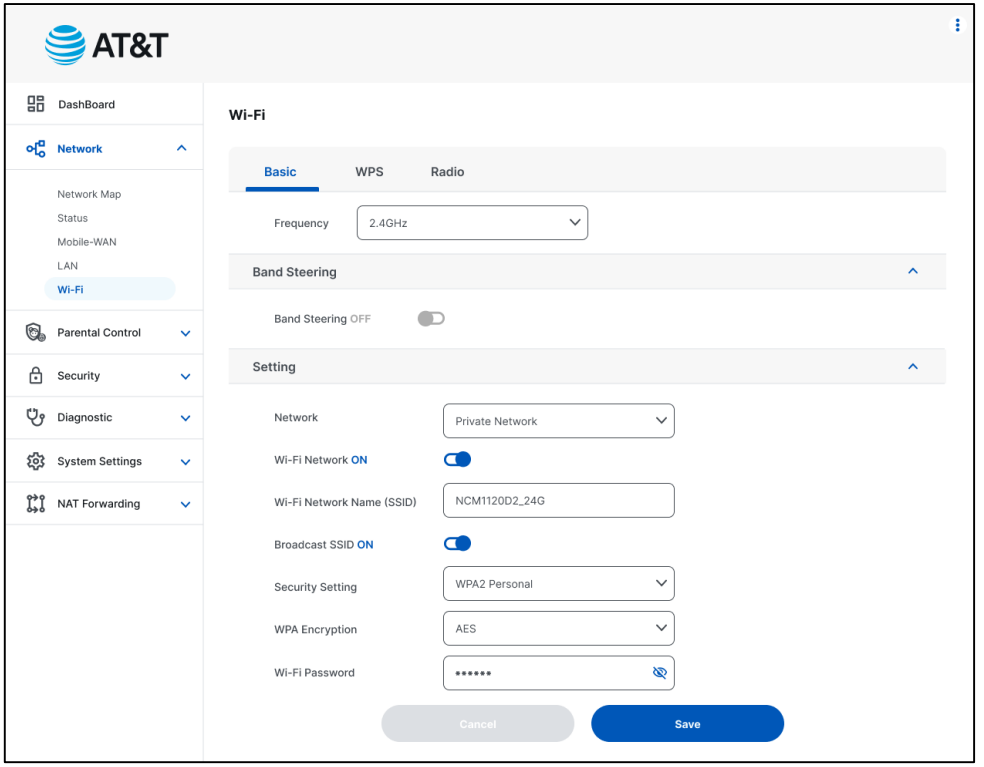
3.7.1 Manage Wi-Fi settings

Step1. Navigate to Network > **Wi-Fi**

Step2. Band Steering, Wi-Fi network related settings are here.

Note. Enabling Band steering will sync all wifi settings in the frequency list with the 5G band's ones.

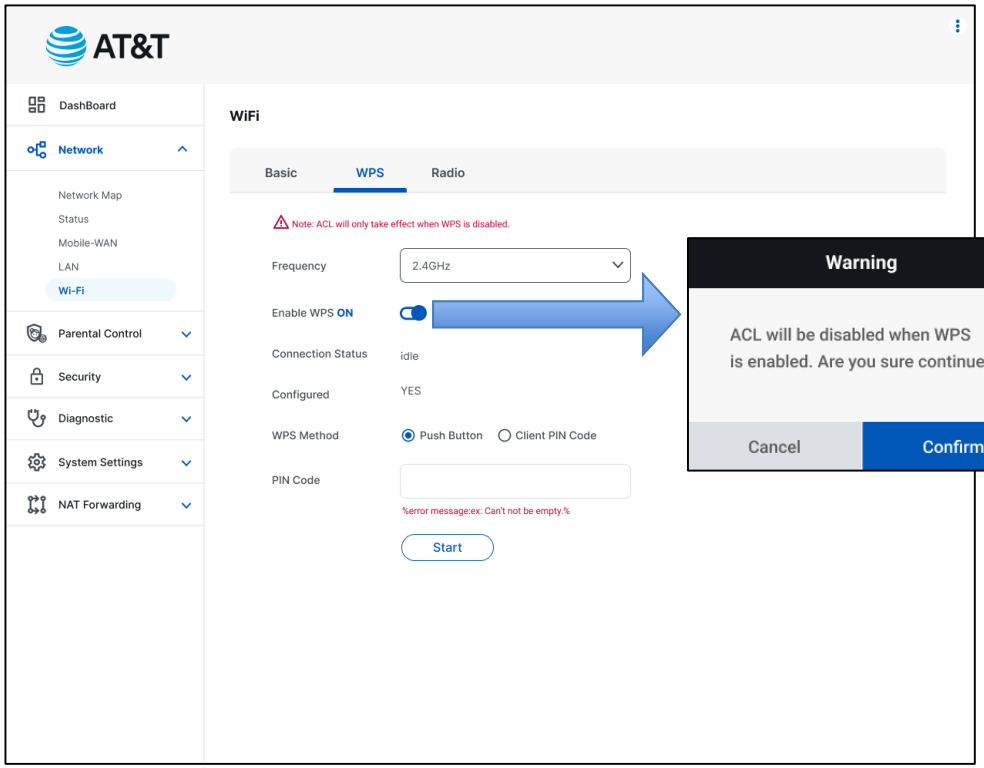


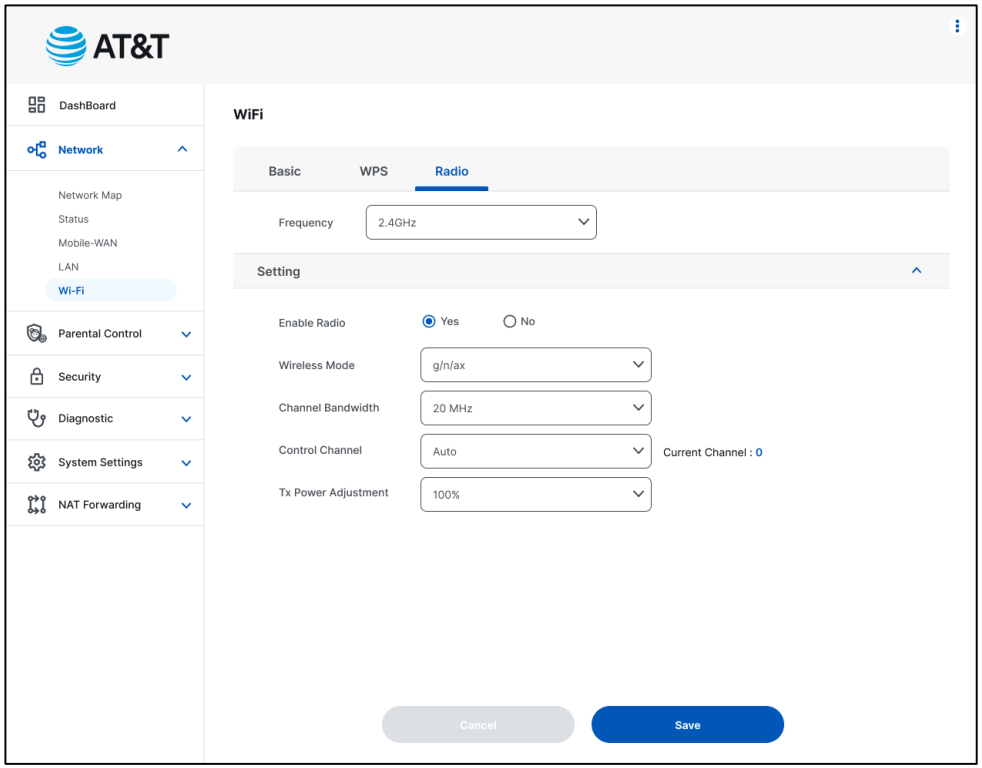


3.7.2 Manage Wi-Fi settings

Step3. WPS, Radio related settings are here.

Note. ACL will only take effect when WPS is disabled.

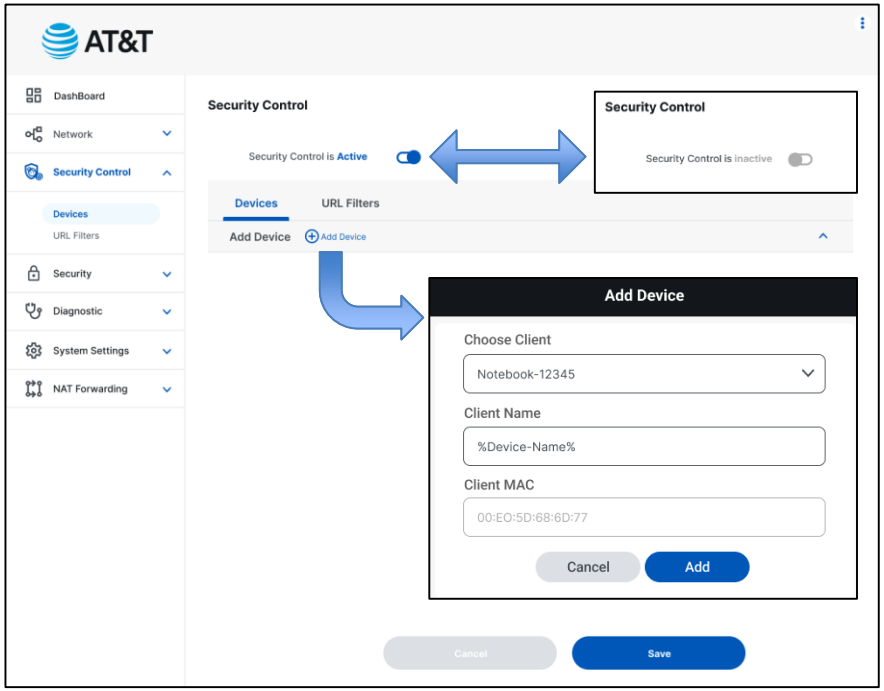


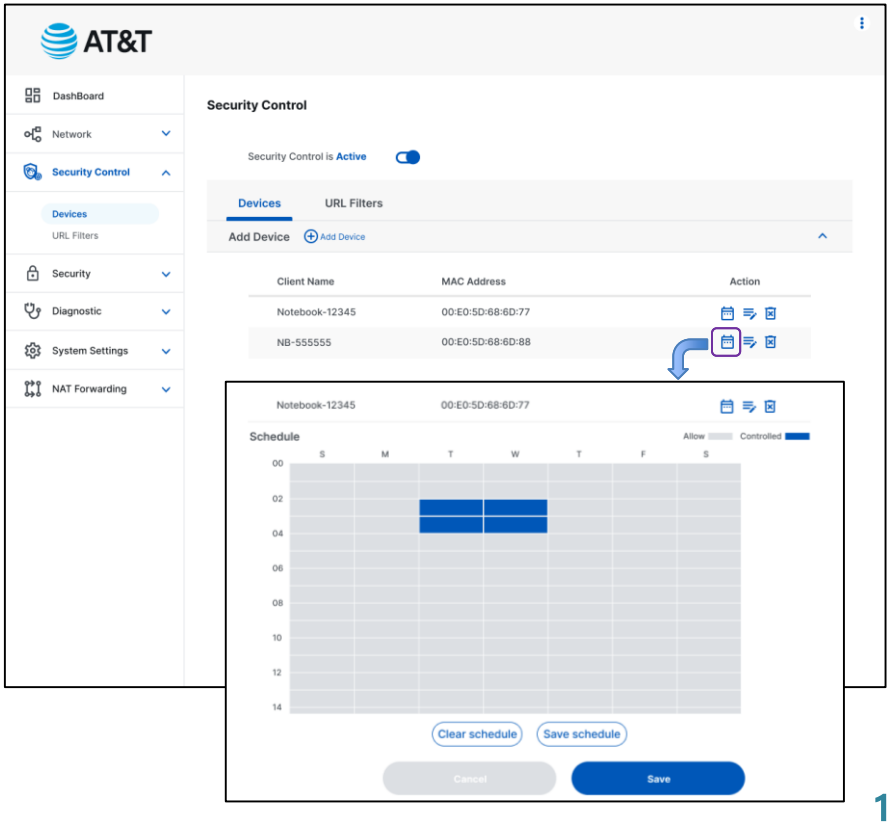


3.8.1 Security Control

Step1. Navigate to Security Control > **Devices**

Step2. Security control, add devices related settings are here.

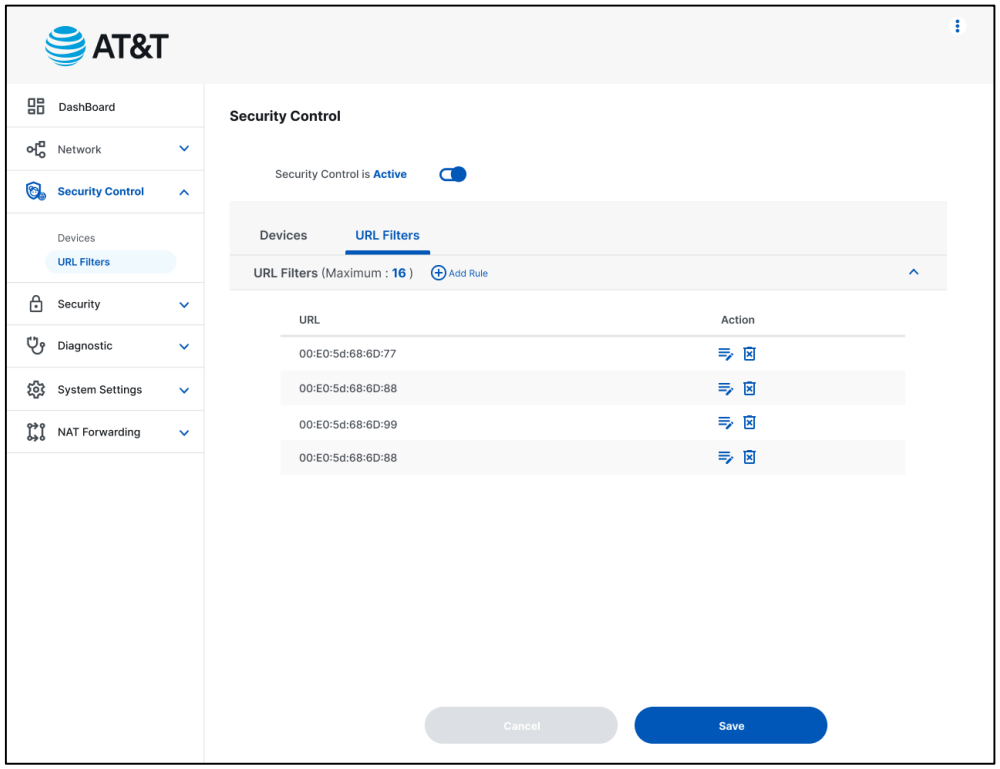


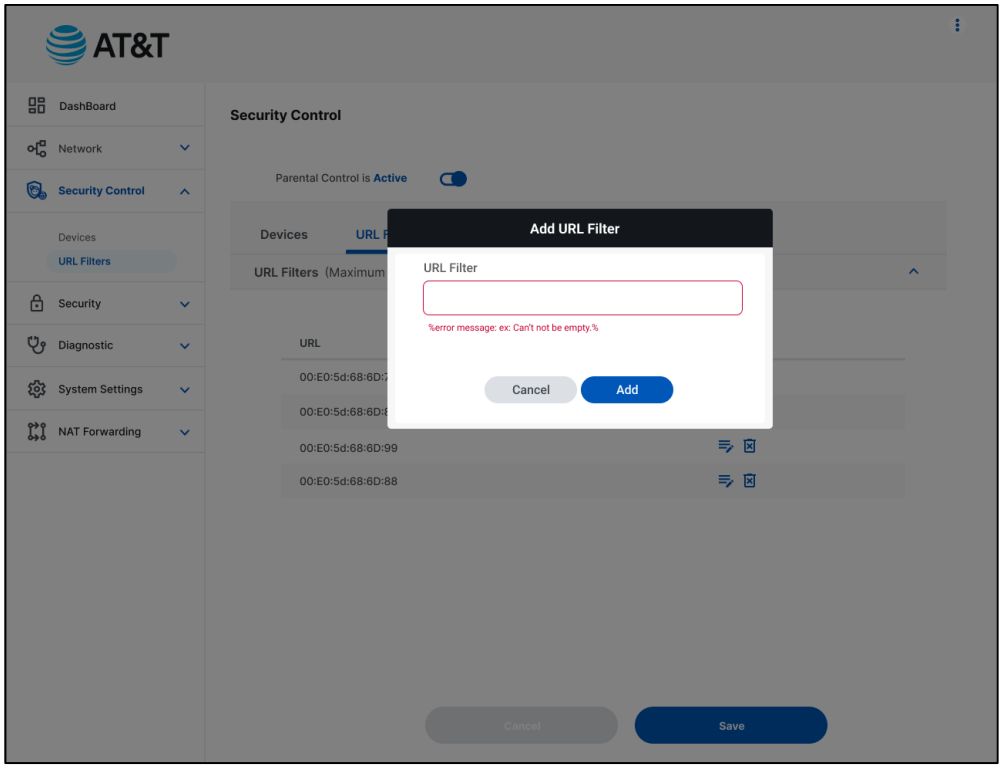


3.8.2 Security Control

Step3. Navigate to Security Control > **URL Filters**

Step4. URL Filters, add rules related settings are here.

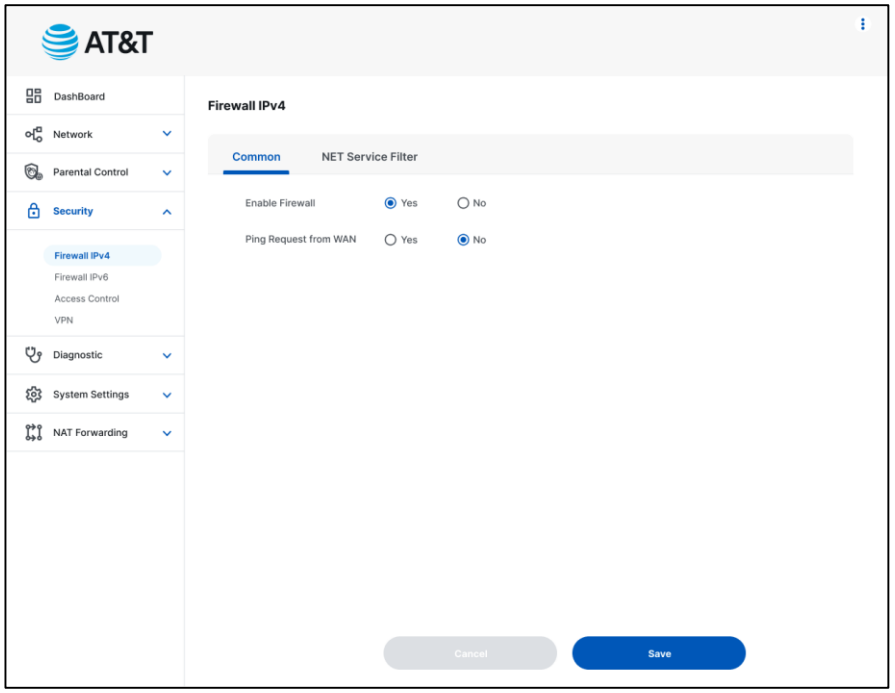


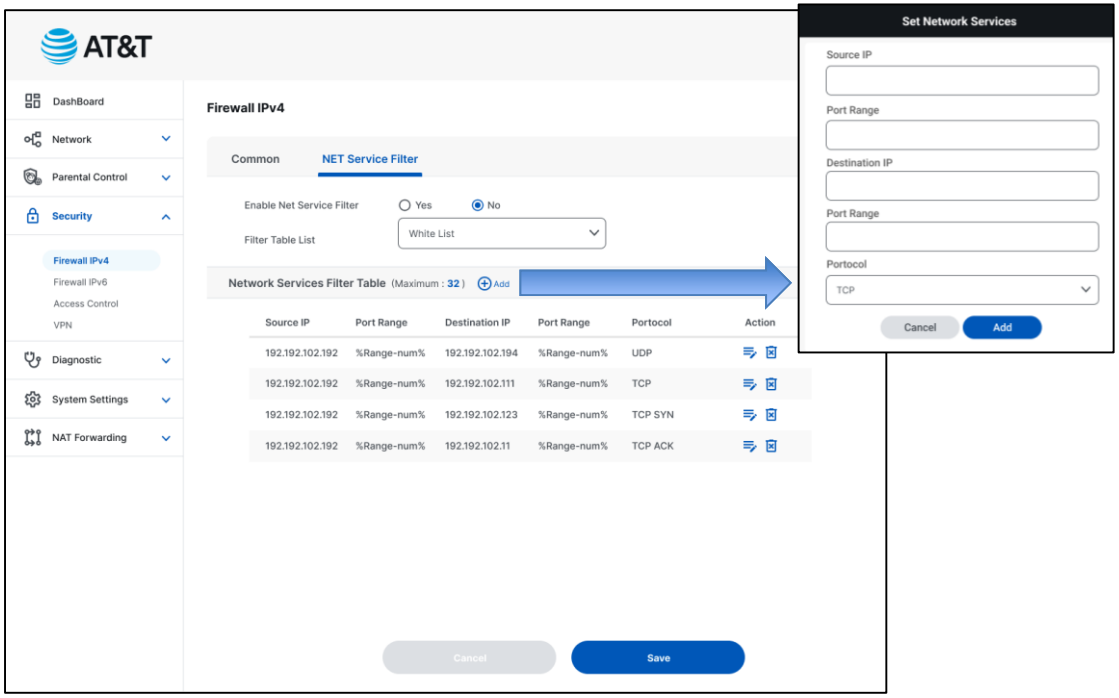


3.9.1 Security

Step1. Navigate to Security > **Firewall IPv4(or IPv6)**

Step2. Firewall, Ping Request from WAN, and NET Service Filter related settings are here.

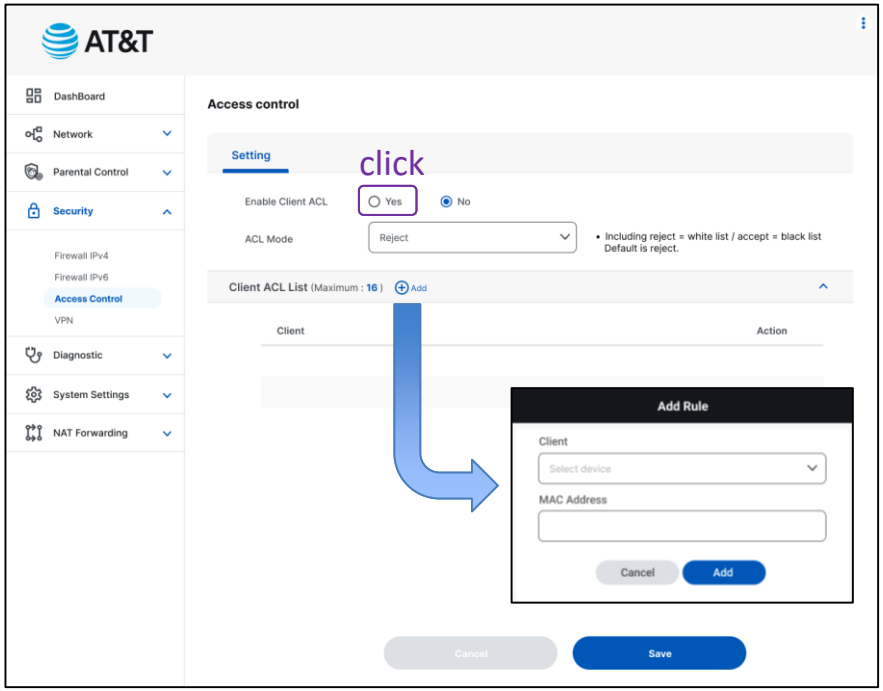


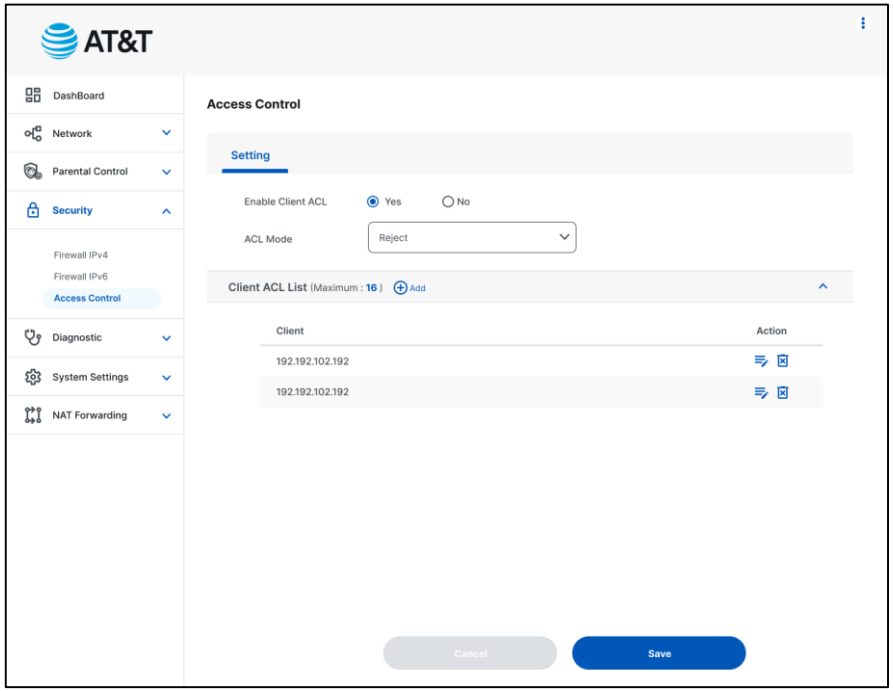


3.9.2 Security

Step1. Navigate to Security > **Access Control**

Step2. Enable Client ACL, Mode and List related settings are here.

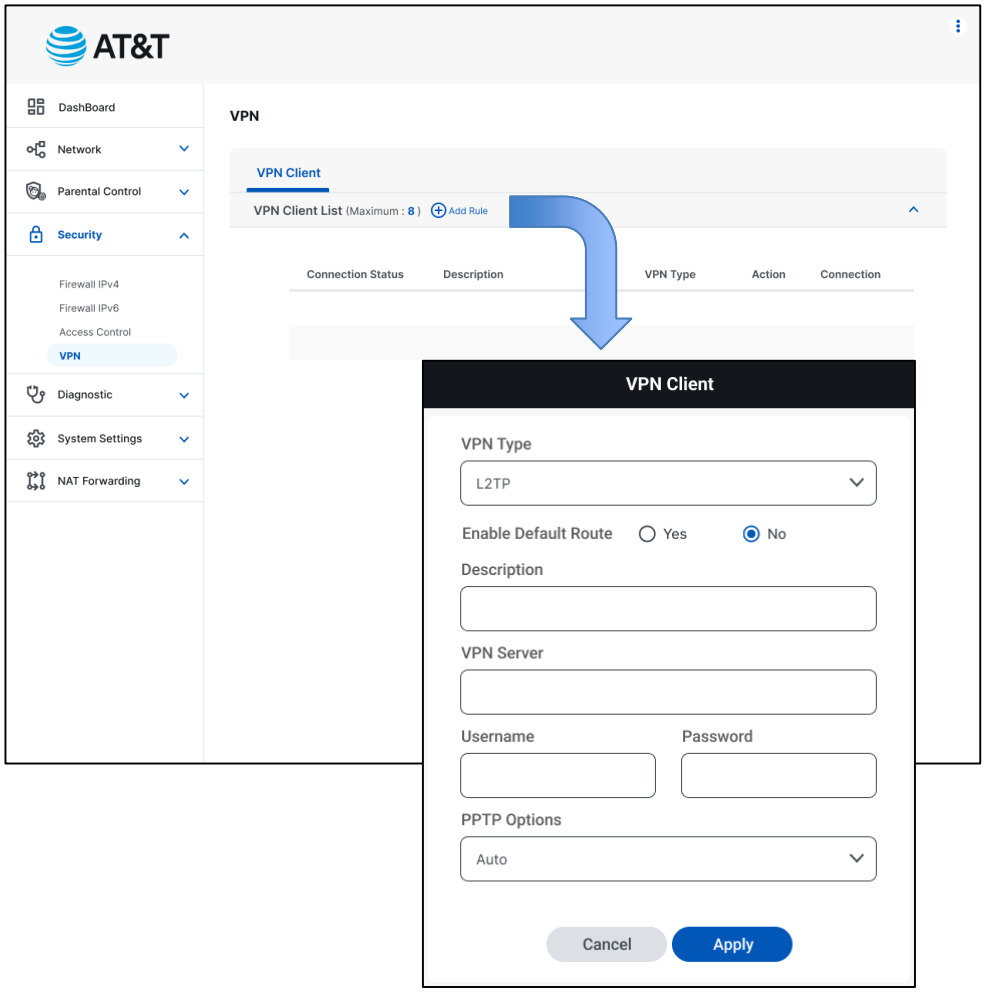


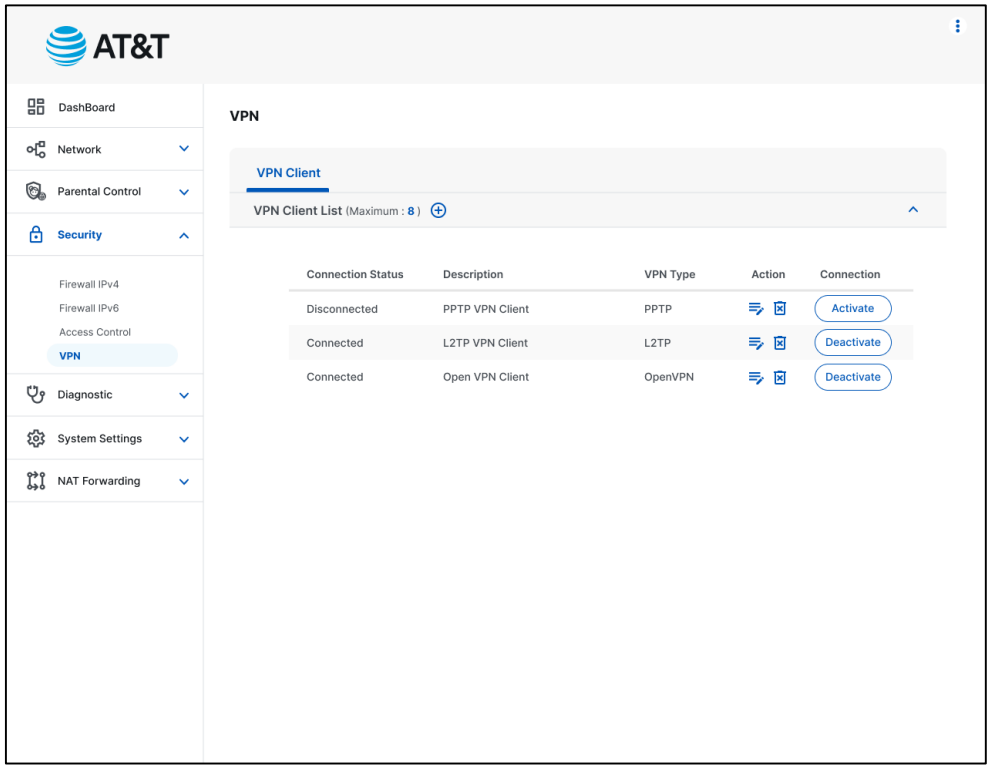


3.9.3 Security

Step1. Navigate to Security > **VPN**

Step2. VPN Client List related settings are here.

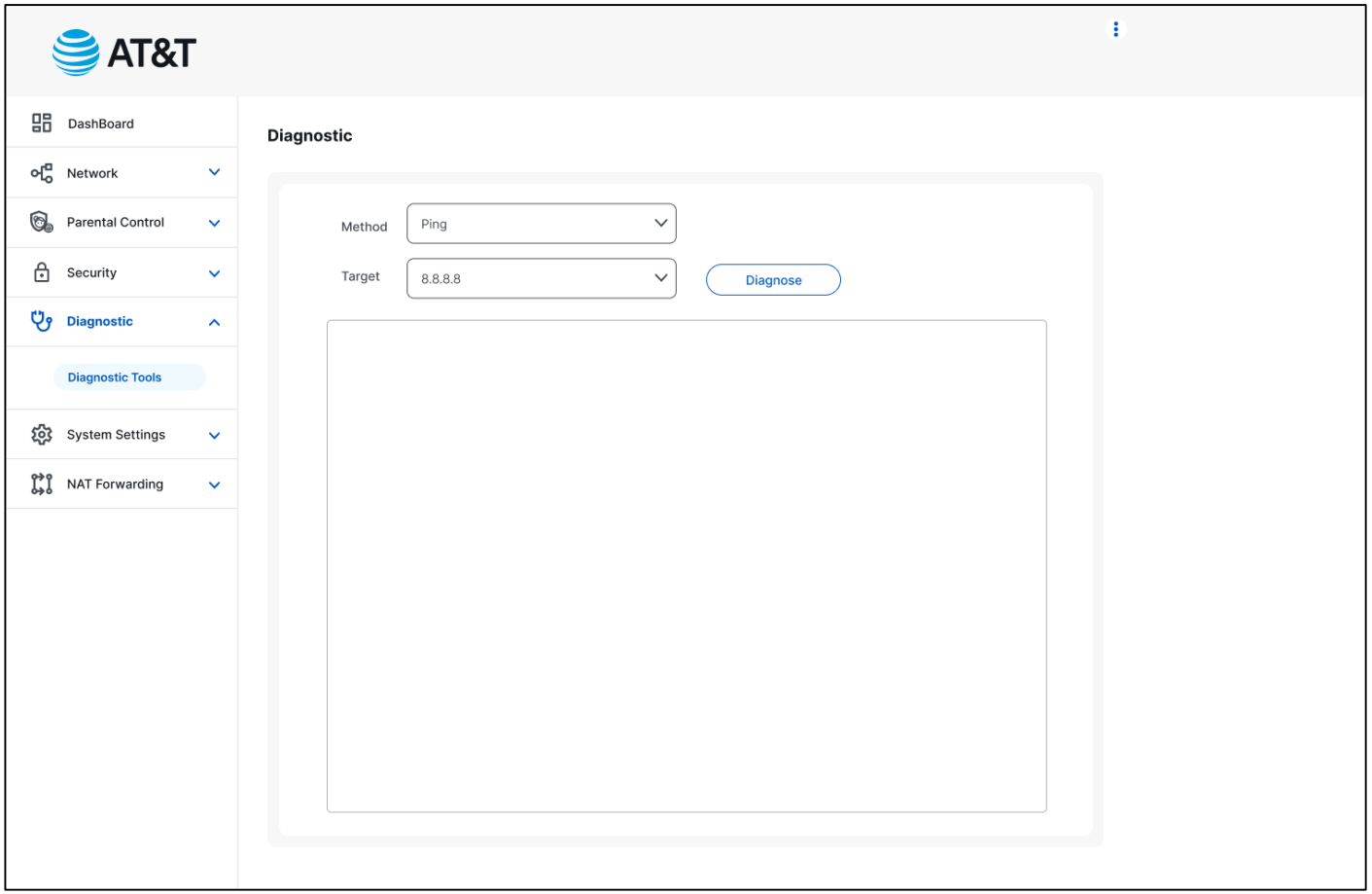




3.10 Diagnostic

Step1. Navigate to Security > **Diagnostic Tools**

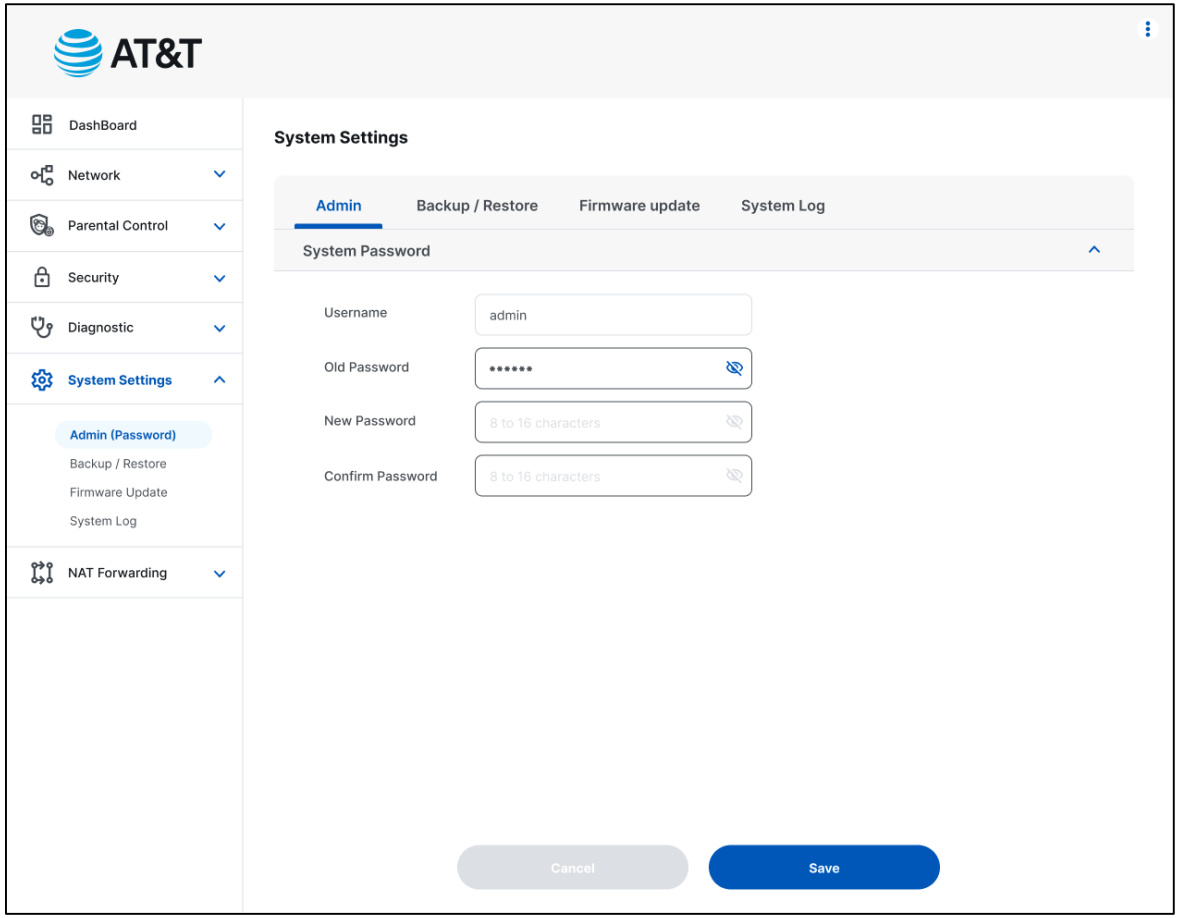
Step2. Diagnostic related settings are here.



3.11.1 System Settings

Step1. Navigate to System Settings > **Admin (Password)**

Step2. Username and new password settings are here.



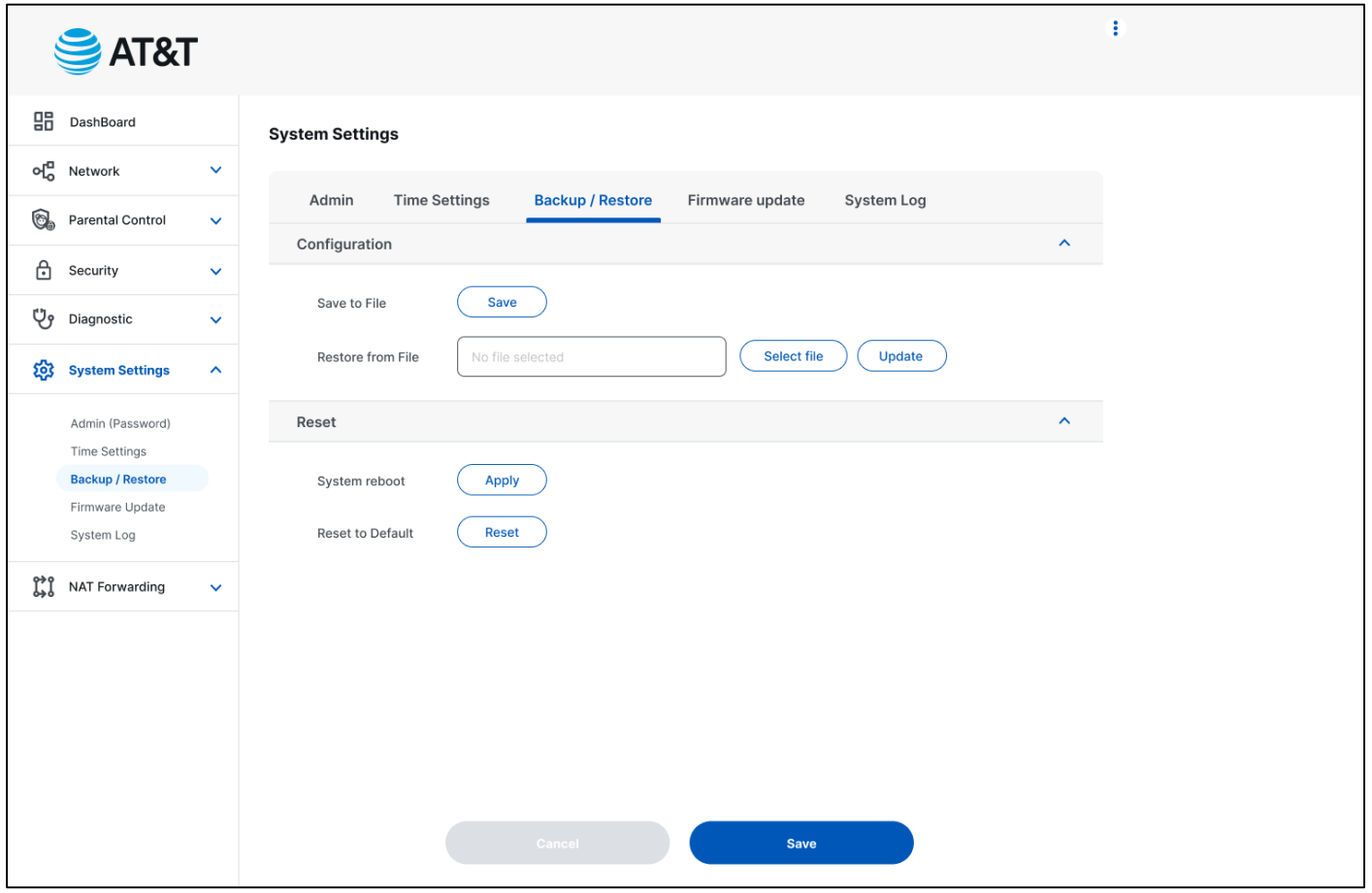
3.11.2 System Settings

Step1. Navigate to System Settings > **Backup / Restore**

Option1. To save the current settings, click **Save**.

Option2. To restore settings, Click **Select file**, then **Update.**

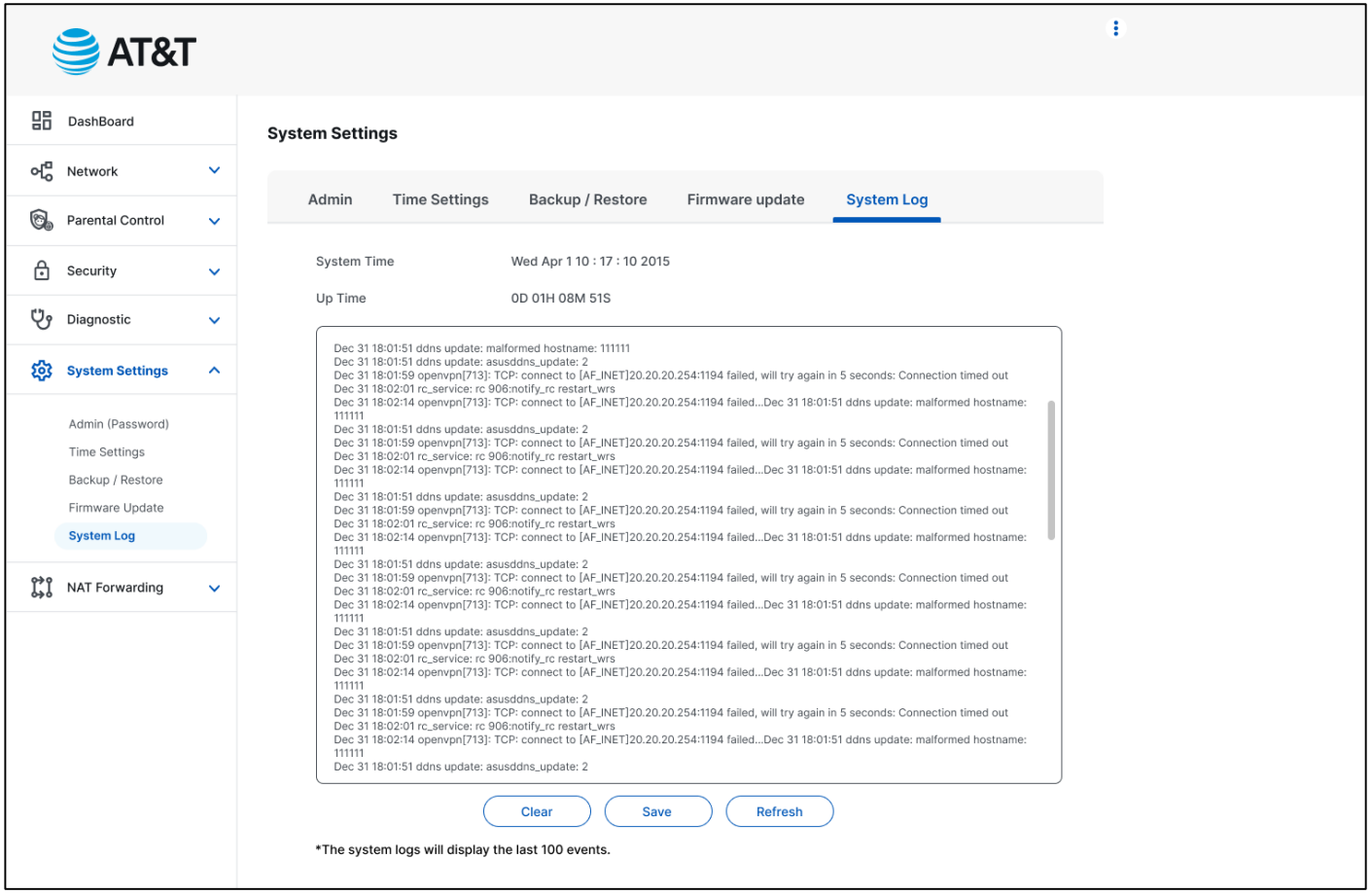
Option3. To load default settings, Click **Reset,** then Click **Apply** to reboot the ODU.



3.11.3 System Settings

Step1. Navigate to System Settings > **System Log**

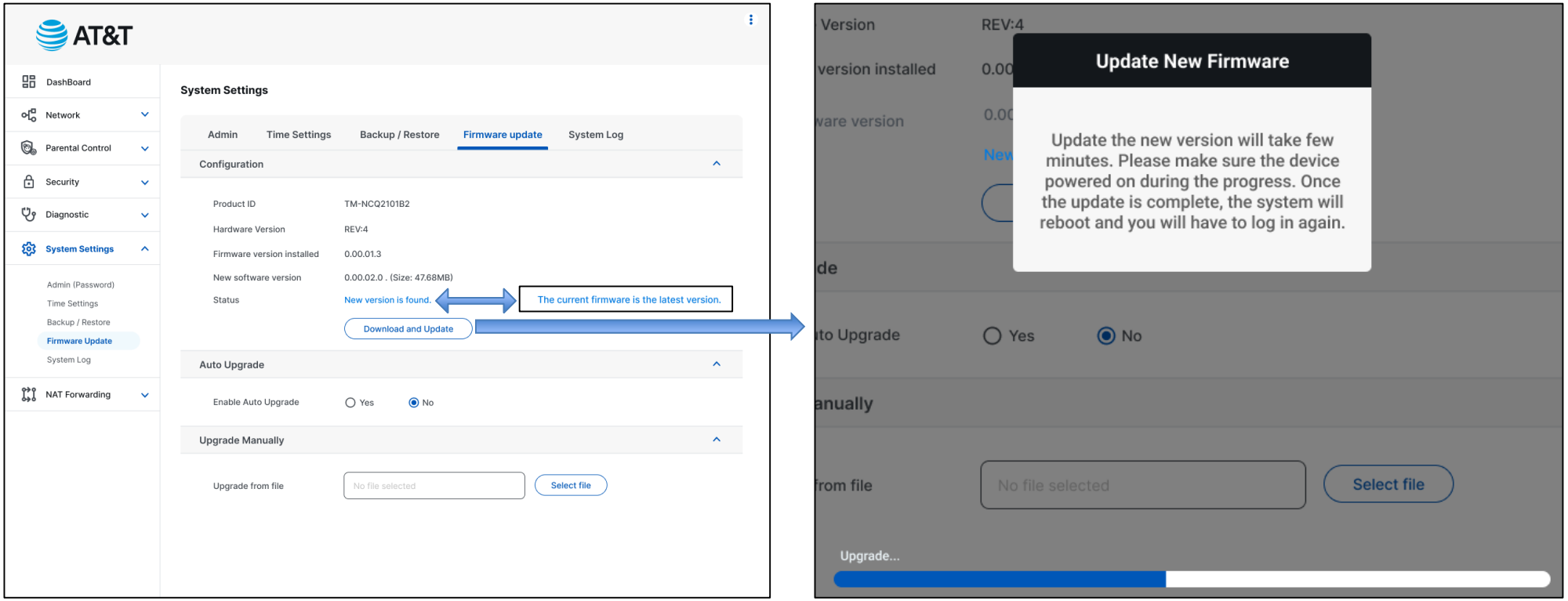
Step2. System Logs are here.



3.12.1 Firmware Update

Step1. Navigate to System Settings > **Firmware Update**

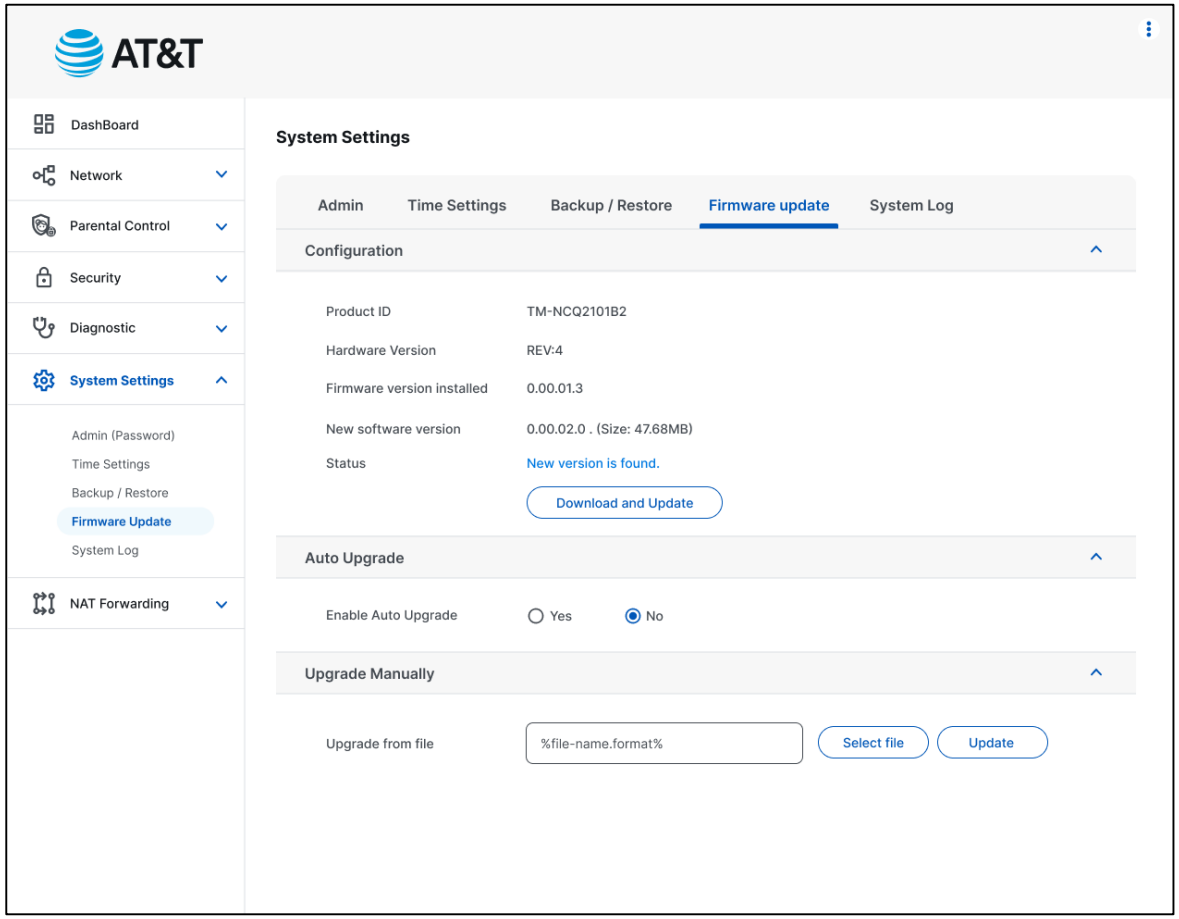
Step2. Tap **"Download and Update"**, popup info will shows progress bar. When the bar shows 100%, it'll redirect to login page.



3.12.2 Firmware Update

Step3. Select Upgrade Manually, Click **Select file** and open file.

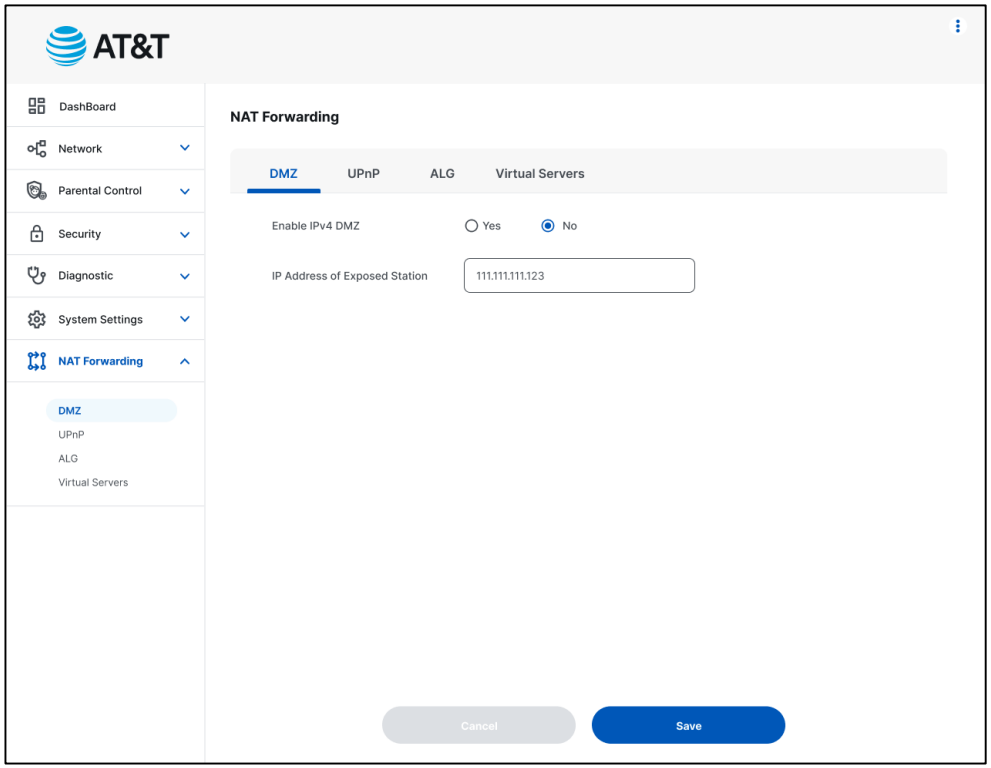
Step4. Click **Update**.

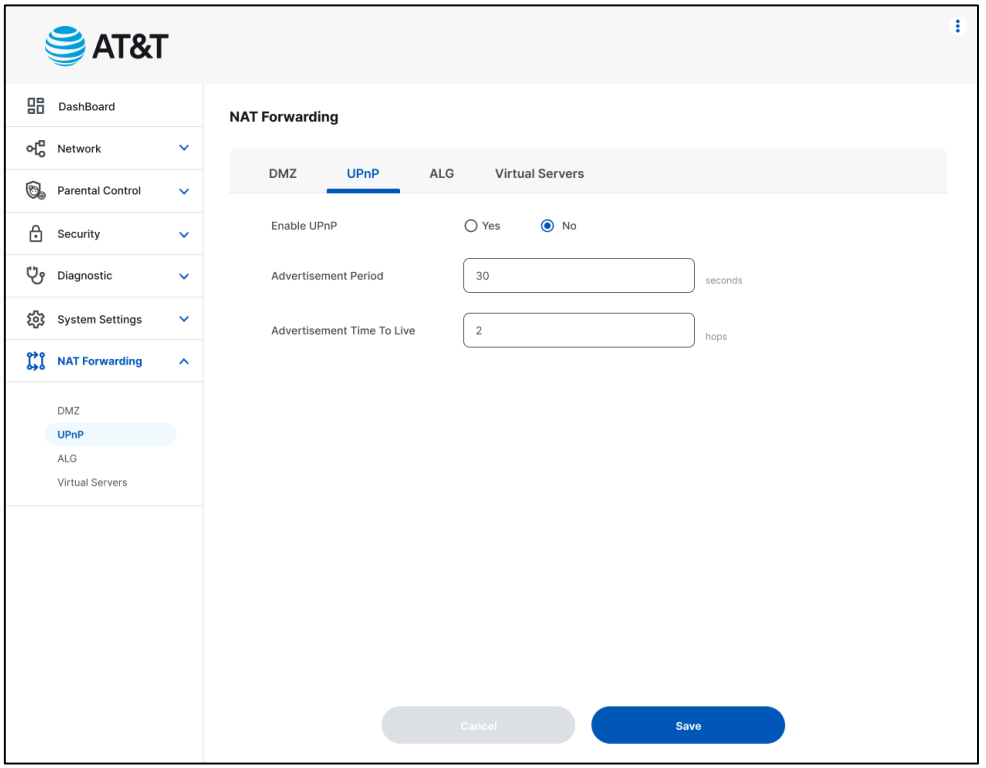


3.13.1 NAT Forwarding

Step1. Navigate to NAT Forwarding > **DMZ or UPnP**

Step2. DMZ and UPnP related settings are here.

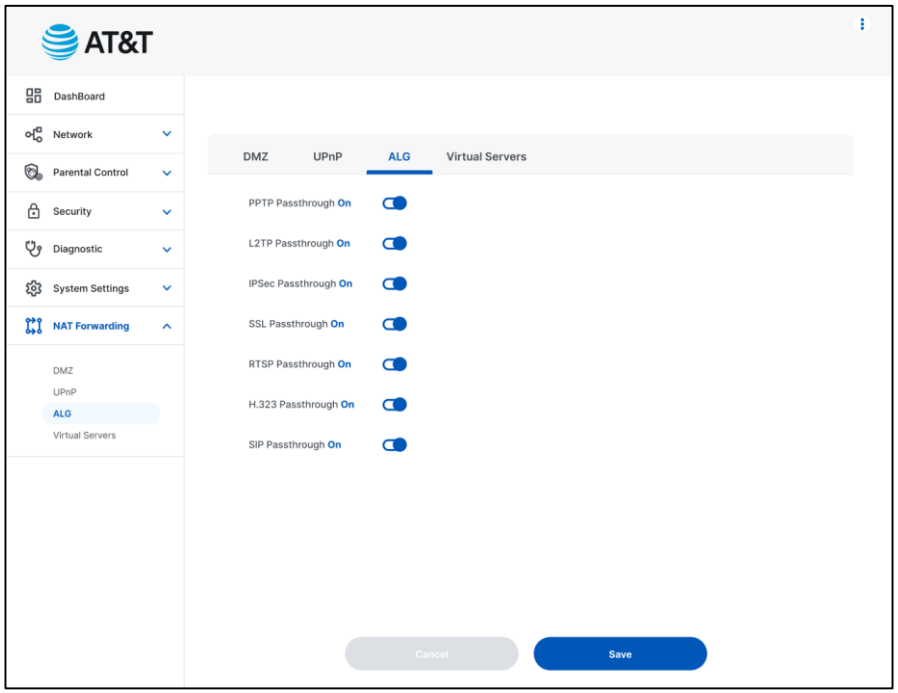


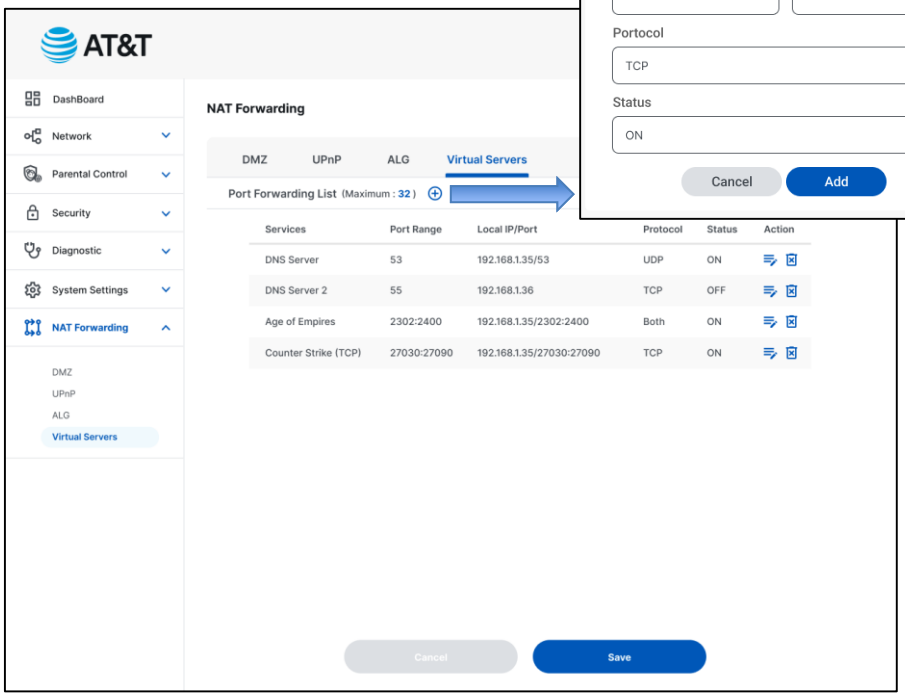


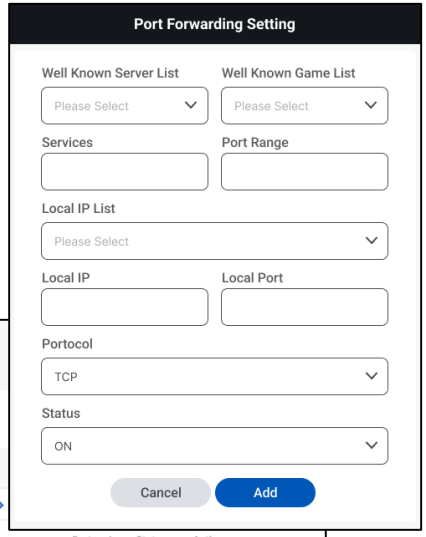
3.13.2 NAT Forwarding

Step1. Navigate to NAT Forwarding > **ALG or Virtual Servers**

Step2. ALG and Virtual Servers related settings are here.







Manufacturing Experiences.

Since 1989.