# *Multi-band Wireless Access Point*

# N3600


# USER GUIDE

Revision1.0

FCC ID: 2ATDI-N3600

*This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.*

*Any changes or modifications not expressly approved by the party responsible for compliancecould void the user's authority to operate the equipment.*

*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.*

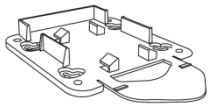
*-- Connect the equipment into an outlet on a circuit differentfrom that to which the receiver is connected.*

*-- Consult the dealer or an experienced radio/TV technician for help.*

*This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.*

## ● Packing List


**AP*1**



**backplane*1**

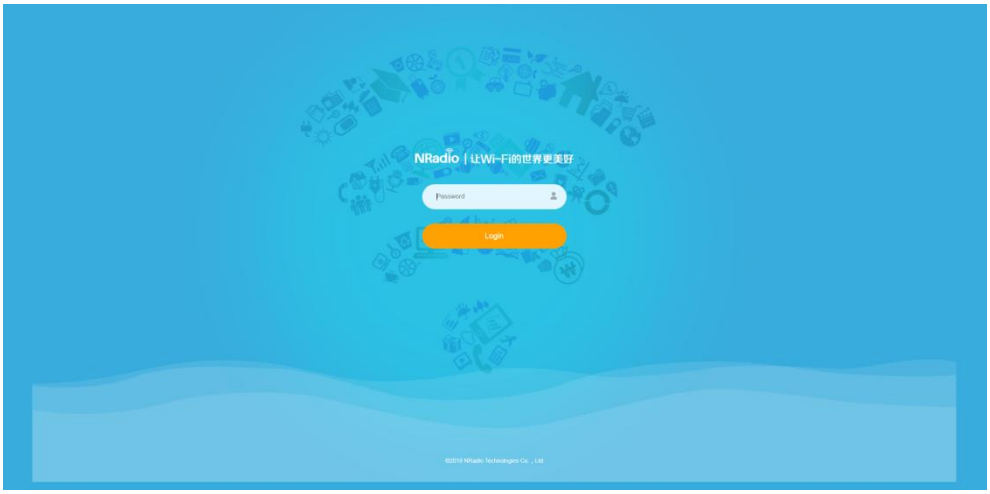
**screw*4**

**tube*4**

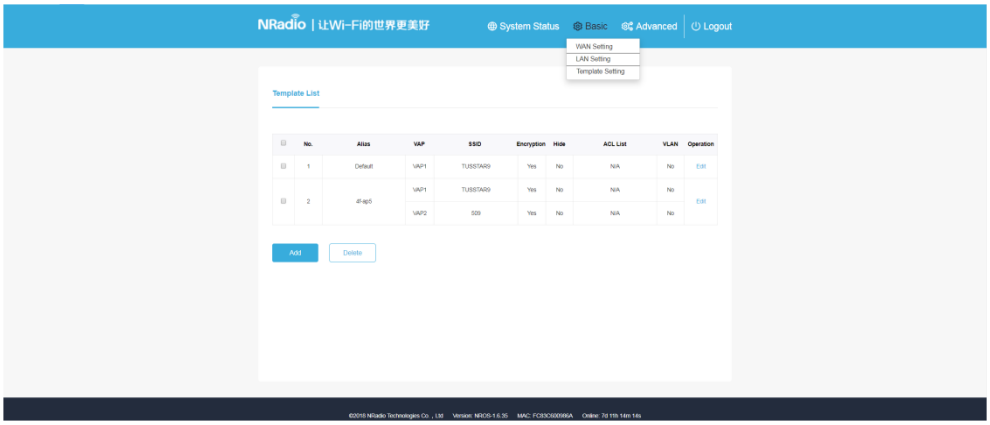
# Network settings

## AP Mode

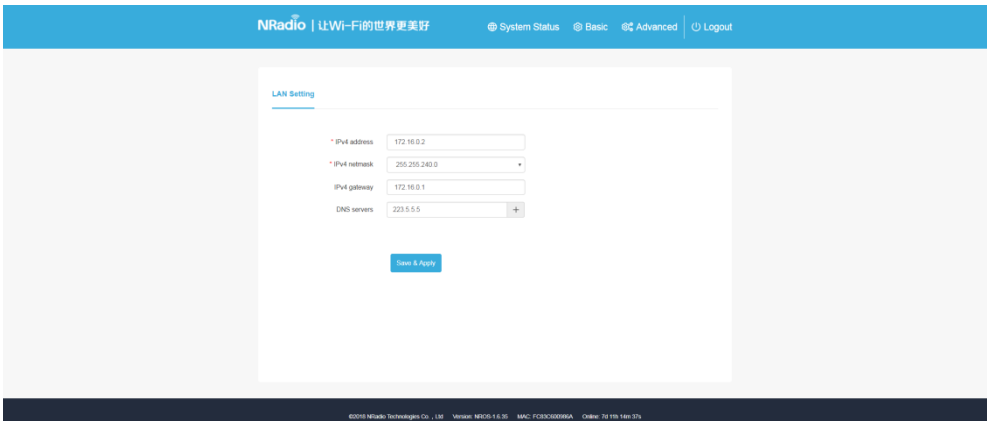
1. Login management page.Set the PC's network card to static IP 192.168.88.X (1<X<255), connect to the device LAN port, open the browser and enter 192.168.88.1 to enter the management page. The default password is admin.




2. Modify wireless parameters.

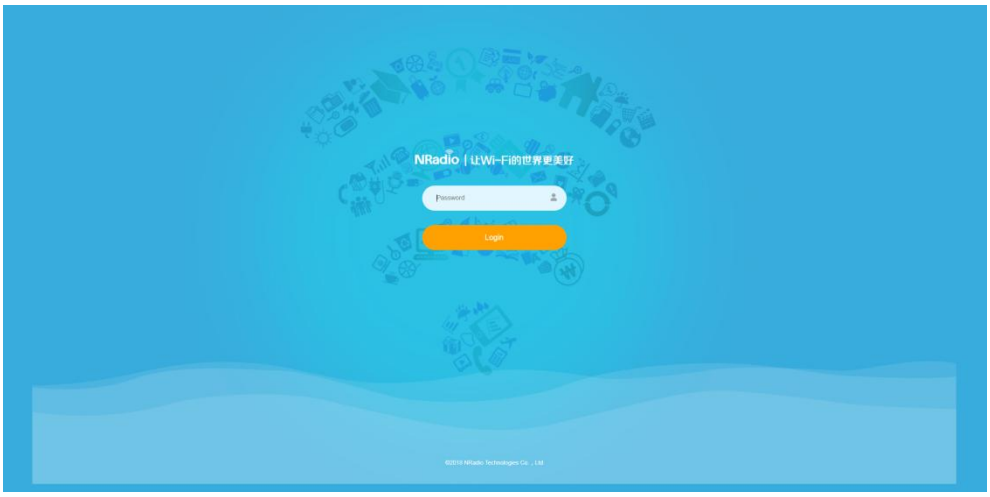



3. Modify LAN IP.

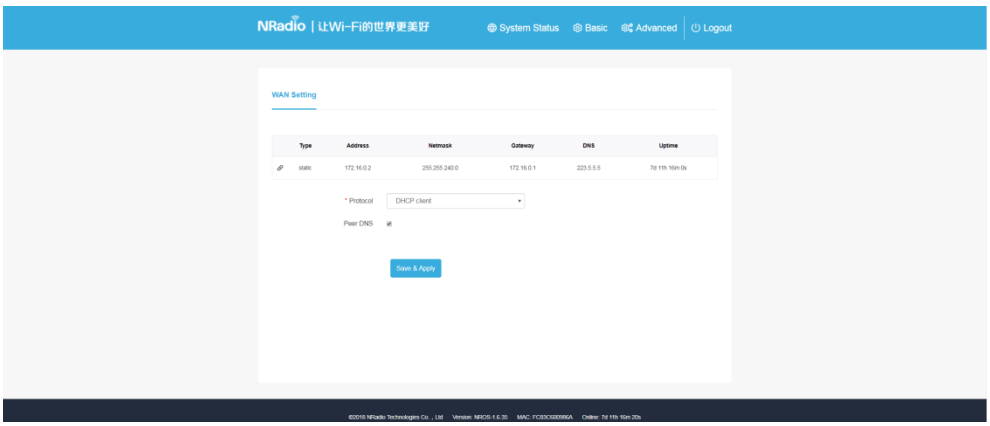


## ✧ Router Mode

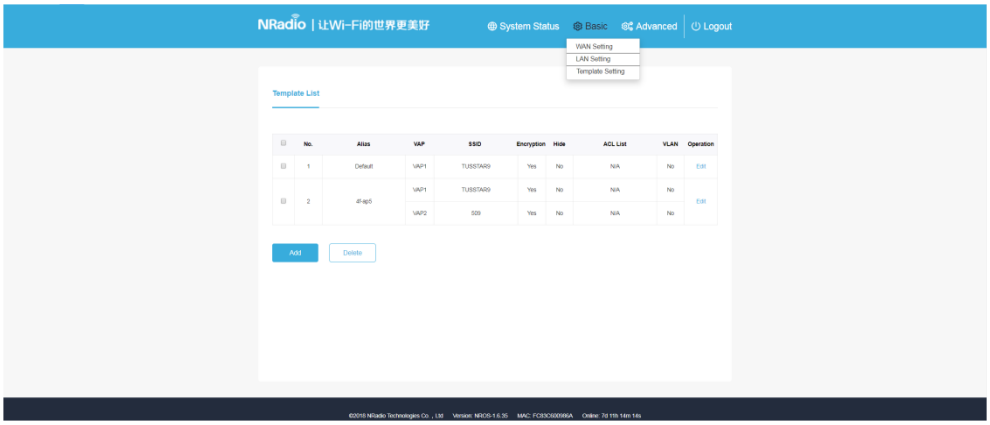
1. Login management page. Connect to the device LAN port, open the browser and enter 192.168.88.1 to enter the management page. The default password is admin.



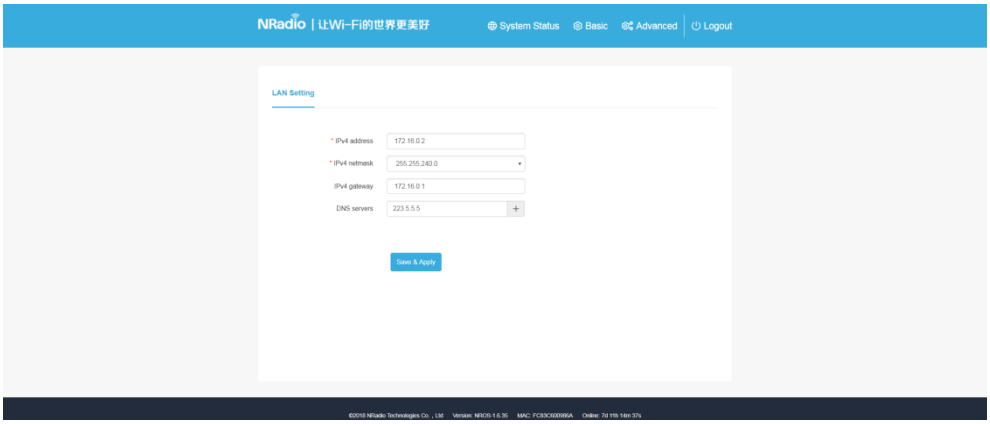

2. Modify WAN parameters.




3. Modify wireless parameters.




4. Modify LAN parameters.




## ● Troubleshooting

### ✧ The Device is NOT working.

1. Check if the DC or PoE power supply is working properly.
2. Check if the network cable connection is normal.

### ✧ Unable to enter WEB management page

1. Check whether the network cable connection of the computer is normal. The network cable should be connected to the LAN port of the device.
2. Check if your computer's network card settings are correct.
3. Check if the management address IP entered by the browser is correct.
4. Check if the browser is set up with a proxy, or try changing your browser, computer, or network cable.
5. Check if the password is entered correctly.
6. The above five points are consistent, you still cannot enter the management page, it is recommended to press and hold the reset button for 10 seconds and then release, restore the factory settings

## ● Specification

| | |
|---|---|
| Radio | Four(4) kits of metamaterial components and antennas Transmit power adjustable |
| Phy Data Rates | Up to 600Mbps (2.4GHz)<br>Up to 1734Mbps (5GHz) |
| Concurrent Clients | 128 |

| | |
|---|---|
| Associated Clients | 256 |
| Wi-Fi Standards | IEEE 802.11a/b/g/n/ac |
| Supported Data Rates | 802.11n/ac: 6.5Mbps – 173.4Mbps (20MHz)<br>13.5Mbps – 400Mbps (40MHz)<br>29.3Mbps – 867Mbps (80MHz)<br>802.11a: 54, 48, 36, 24, 18, 12, 9 and 6Mbps<br>802.11b: 11, 5.5, 2 and 1 Mbps<br>802.11g: 54, 48, 36, 24, 18, 12, 9 and 6 Mbps |
| Spa□al Streams | 2x2:4 |
| Spa□al Streams | 20MHz, 40MHz and 80MHz |
| Frequency Band | IEEE 802.11n: 2.4 –2.484 GHz and 5.15–5.85 GHz<br>IEEE 802.11a/ac: 5.15–5.85 GHz<br>IEEE 802.11b/g: 2.4–2.484 GHz |
| BSSIDs | Up to Eight(4) (2.4GHz)<br>Up to Eight(4) (5GHz) |
| Configuration | CPU: One(1) dual-core and one(1) single-core processors<br>RAM: 256MB<br>ROM: 128MB |
| Interface & Ports | One(1) Gigabit Ethernet PoE port<br>One(1) Gigabit Ethernet LAN port<br>One(1) Auxiliary DC input port<br>One(1) Reset button |
| Environmental Conditions | Operating Temperature: 32℉ (0℃) - 104℃ (40℃)<br>Operating Humidity: 10% - 95% non-condensing |
| Power Draw | 8.5W (standby)<br>16W (typical)<br>18W (peak)<br>* Data from NRadio test lab with 100-meter CAT5e. |
| Power | PoE 802.3at<br>25.5W PoE Power Injector<br>12V/2A DC adapter |

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Version: 20190403-V1.0



**Manufacturer's Name**: NRadio Technologies Co., Ltd.
**Address:** A408,Donglian Building,Chuangye 2nd Rd.,Bao'anDistrict,Shenzhen, P.R.C
**Product Name:** Multi-band Wireless Access Point
**Trade Mark**: NRadio
**Model number**: N3600
**Operating Temperature**: 0° C to 40° C
This device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. All essential radio test suites have been carried out.
Detailed DOC file please visit our website:
www.nradiowifi.com

☒ The device complies with RF specifications when the device used at 20cm from your body.
☐. Adapter shall be installed near the equipment and shall be easily accessible.
☐. The plug considered as disconnect device of adapter.
Adapter 1
Model: GP304U-120-200
Input: 100-240V~50/60Hz 1A Max
Output: 12V⎓2A
Adapter 2
Model: G0720-480-050
Input: 100-240V~50/60Hz 0.75A Max
Output: 48V⎓0.5A

Care for the environment! Must not be discarded with household waste!

## RF Secification:

| Function | Operation Frequency | Max RF output power: | Limit |
|---|---|---|---|
| WIFI 802.11B/G/N(HT20, HT40) | 802.11b/g/n(20MHz): 2412~2472MHz;<br>802.11n(40MHz):2422~2462MHz | 16.17 dBm<br>. | 20 dBm. |
| WIFI 802.11a/n20/n40/ ac20/ac40/ac80 | 802.11a/n/ac(20):5180MHz~5240MHz<br>802.11n/ac(40):5190MHz~5230MHz<br>802.11ac80:5210MHz | 16.71 dBm | 23 dBm. |
| WIFI 802.11a/n20/n40/ ac20/ac40/ac80 | 802.11a/n(HT20)/ac20: 5745-5825 MHz<br>802.11n(HT40)/ac40: 5755-5795 MHz<br>802.11 ac80: 5775MHz | 13.96 dBm | 13.98 dBm |

The device for operation in the band 5150 - 5250 MHz is only for indoor use
This product can be used across EU member states.