

STEP 1 : Following instruction from NanoBeam M5 Quick Start Guide.

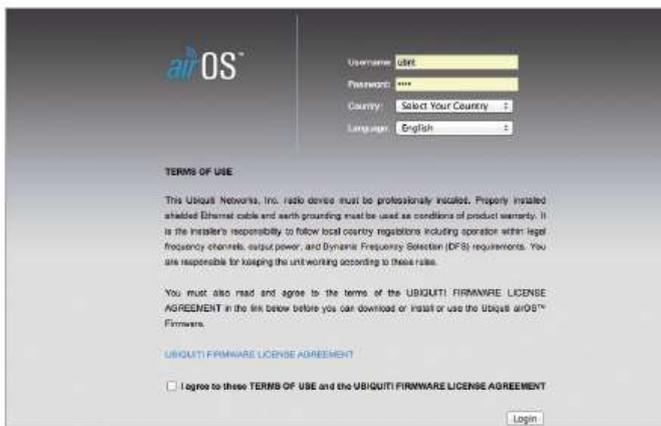
Accessing airOS

Verify connectivity in the airOS Configuration Interface.

1. Make sure that your host machine is connected via Ethernet to the NanoBeam.
2. Configure the Ethernet adapter on your host system with a static IP address on the 192.168.1.x subnet.
3. Launch your web browser and type **https://192.168.1.20** in the address field. Press **enter** (PC) or **return** (Mac).



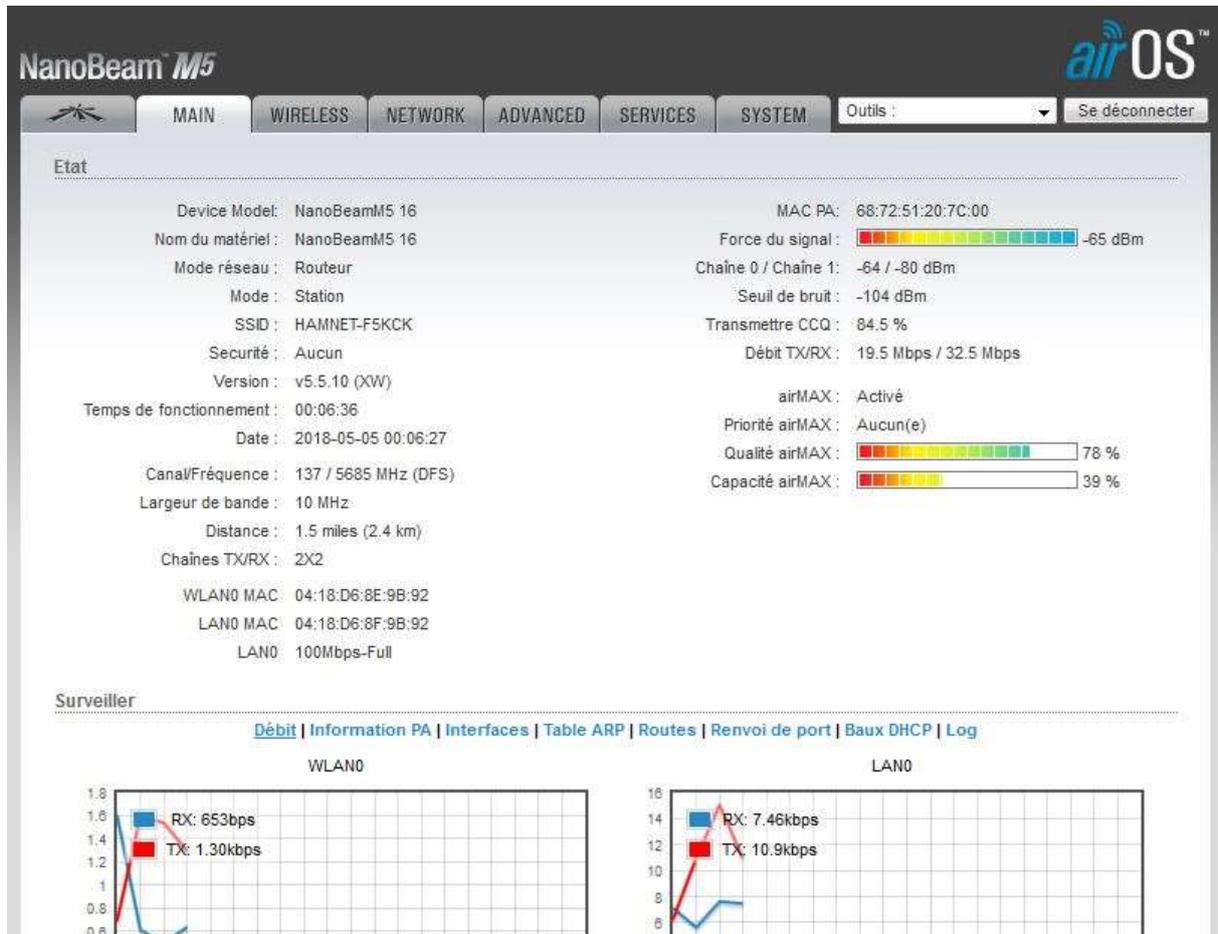
4. The login screen will appear. Enter **ubnt** in the *Username* and *Password* fields. Select your *Country* and *Language*. You must agree to the *Terms of Use* and the *Ubiquiti Firmware License Agreement* to use the product. Click **Login**.



STEP 2 : Nothing to configure



STEP 3 : Go to MAIN tab, nothing to configure.



STEP 4 : In Wireless set the Mode to Station, put the SSID of your choosing AP (in my case F5ZEQ), select bandwidth to 10Mhz, then select Choice.

NanoBeam M5 airOS™

MAIN WIRELESS NETWORK ADVANCED SERVICES SYSTEM Outils : Se déconnecter

Paramètres sans fil de base

Mode: **Station**

WDS (Mode pont transparent): Activer

SSID: **HAMNET-F5KCK** **Choisir...**

Verrouiller à la MAC PA: 68:72:51:20:7C:00

Code pays: France

Mode IEEE 802.11: A/N mixed

Largeur de bande: **10 MHz**

Décalage de canal: **Activer**

Liste des fréquences scannées, MHz: Activer

Ajustement auto limite PIRE: Activer

Gain antenne: 16 dBi

Pertes du câble: 0 dB

Puissance de sortie: 14 dBm

Data Rate Module: Default

Débit TX max, Mbps: MCS 15 - 65/72.2 Automatique

sécurité

Securité: Aucun

Sauver

You will find the AP network targeted

Recherche des réseaux

Scanned Frequencies:

5.185GHz 5.195GHz 5.205GHz 5.215GHz 5.225GHz 5.235GHz 5.245GHz 5.265GHz 5.275GHz 5.285GHz 5.295GHz 5.305GHz 5.315GHz 5.325GHz
5.505GHz 5.515GHz 5.525GHz 5.535GHz 5.545GHz 5.555GHz 5.565GHz 5.575GHz 5.585GHz 5.595GHz 5.605GHz 5.615GHz 5.625GHz 5.635GHz
5.645GHz 5.655GHz 5.665GHz 5.675GHz 5.685GHz 5.695GHz 5.705GHz

Adresse MAC	SSID	Nom du matériel	Chiffrement	Signal / Bruit, dBm	Fréquences, GHz / Canal
68:72:51:20:7C:00	HAMNET-F5KCK	ap.f5zeq.ampr	NONE	-65 / -104	5.685 / 137
80:2A:A8:B6:B9:EA	HAMNET-F5KCK	ap2.f5zeq.ampr	NONE	-66 / -105	5.705 / 141

Selectable SSID's must be visible and have compatible channel bandwidth and security settings

Verrouiller à la MAC PA

Sélectionner

Scanner

STEP 5 : If you have your own IP adress reserved on HamNet network, go to Network tab, and select Network Mode to Router, in Configuration mode, select Advanced, put your static IP adress for WLAN0 interface. (Also the Gateway and DNS as well if you have informations).

The screenshot shows the NanoBeam M5 airOS configuration interface. The 'NETWORK' tab is selected. Under 'Rôle réseau', 'Mode réseau' is set to 'Routeur' and 'Désactiver réseau' is 'None'. Under 'Mode de configuration', 'Mode de configuration' is set to 'Avancé'. Under 'Paramètres réseau WAN', 'Interface WAN' is 'WLAN0', 'Adresse IP WAN' is 'Statique', and the IP address is '44.168.17.151'. The network mask is '255.255.255.255', the gateway is '44.168.17.129', and the primary DNS is '44.168.44.129'. Other options like NAT, SIP, PPTP, FTP, and RTSP are checked, while 'Bloquer l'accès administration', 'DMZ', 'Alias IP auto IP', and 'Clonage adresse MAC' are unchecked.

Paramètres réseau LAN

Interface LAN : LAN0

Adresse IP : 192.168.1.1

Masque réseau : 255.255.255.0

Serveur DHCP : Désactivé Actif Relai

Début de plage : 192.168.1.2

Début de plage : 192.168.1.254

Masque réseau : 255.255.255.0

Durée de bail : 600

Proxy DNS : Activer

UPnP : Activer

Ajouter LAN :

Paramètres de gestion du réseau

Gestion interface : WLAN0

If you want to get an IP address from the DHCP AP Router, set to Bridge.

NanoBeam M5 airOS™

MAIN WIRELESS NETWORK ADVANCED SERVICES SYSTEM Outils : Se déconnecter

Rôle réseau

Mode réseau : Pont

Désactiver réseau : None

Mode de configuration

Mode de configuration : Avancé

Paramètres de gestion du réseau

Gestion interface : BRIDGE0

Gestion adresse IP : DHCP Statique

Adresse IP : 192.168.1.20

Masque réseau : 255.255.255.0

IP passerelle : 192.168.1.1

IP de DNS primaire : 44.168.44.129

IP DNS secondaire :

Alias IP auto IP : Activer

STEP 6 : Advanced tab, nothing to change.

The screenshot shows the 'Advanced' tab of the NanoBeam M5 web interface. The top navigation bar includes 'MAIN', 'WIRELESS', 'NETWORK', 'ADVANCED', 'SERVICES', and 'SYSTEM'. The 'ADVANCED' tab is selected. The page is divided into three sections: 'Paramètres sans fil avancés', 'Paramètres Ethernet avancés', and 'Seuils voyants de signal'. In the 'Paramètres sans fil avancés' section, 'Seuil RTS' is 2346 (Off), 'Distance' is 0.4 miles (0.6 km) (Ajustement auto), 'Agrégation' is 32 Trames (50000 Octets) (Activer), 'Données Multicast' is 'Autoriser tous', 'PIRE contrôlée par l'installateur' is 'Activer', 'Informé au max' is 'Activer', and 'Seuil sensibilité, dBm' is -96 (Off). The 'Paramètres Ethernet avancés' section has 'Vitesse LAN0' set to 'Auto'. The 'Seuils voyants de signal' section shows LED1 (-94), LED2 (-80), LED3 (-73), and LED4 (-65) dBm. A 'Sauver' button is at the bottom right.

STEP 7 : Go to Services tab, you can enable, SNMP, SSH, WebServer, Telnet, NTP ...

The screenshot shows the 'Services' tab of the NanoBeam M5 web interface. It is divided into several sections: 'Surveillance par Ping', 'Agent SNMP', 'Serveur web', 'Serveur SSH', 'Serveur telnet', 'Client NTP', 'DNS dynamique', and 'Log du système'. 'Surveillance par Ping' has 'Activer' checked, 'Adresse IP à surveiller' is empty, 'Intervalle de Ping' is 300 secondes, 'Délai de démarrage' is 300 secondes, 'Nb d'essais infructueux avant reboot' is 3, and 'Enregistrer les données pour le support' is unchecked. 'Agent SNMP' has 'Activer' unchecked, 'Communauté SNMP' is 'public', 'Contact' and 'Emplacement' are empty. 'Serveur web' has 'Web Server' checked, 'Connexion sécurisée (HTTPS)' checked, 'Port serveur sécurisé' is 443, 'Port serveur' is 80, and 'Expiration de la session' is 15 minutes. 'Serveur SSH' has 'Serveur SSH' checked, 'Port serveur' is 22, 'Authentification par mot de passe' checked, and 'Clés autorisées' is 'Editer...'. 'Serveur telnet' has 'Serveur Telnet' checked and 'Port serveur' is 23. 'Client NTP' has 'Client NTP' unchecked and 'Serveur NTP' is '0.ubnt.pool.ntp.org'. 'DNS dynamique' has 'Activer' unchecked, 'Nom d'hôte', 'Nom d'utilisateur', and 'Mot de passe' are empty, and 'Afficher' is unchecked. 'Log du système' has 'Log du système' checked, 'Log distant' unchecked, 'Adresse IP du log distant' is empty, and 'Port du log distant' is 514.

