Contents

Router login

To log into your router, open a web browser (for example, Google Chrome, Microsoft Edge, Mozilla Firefox etc.). Type **192.168.1.1** in the address bar of the browser. You should then see a login page (Image 1). In the Username field, type "**admin**". In the Password field, type the password shown on the sticker on the back of your router. Once all fields are populated, press **Login**.

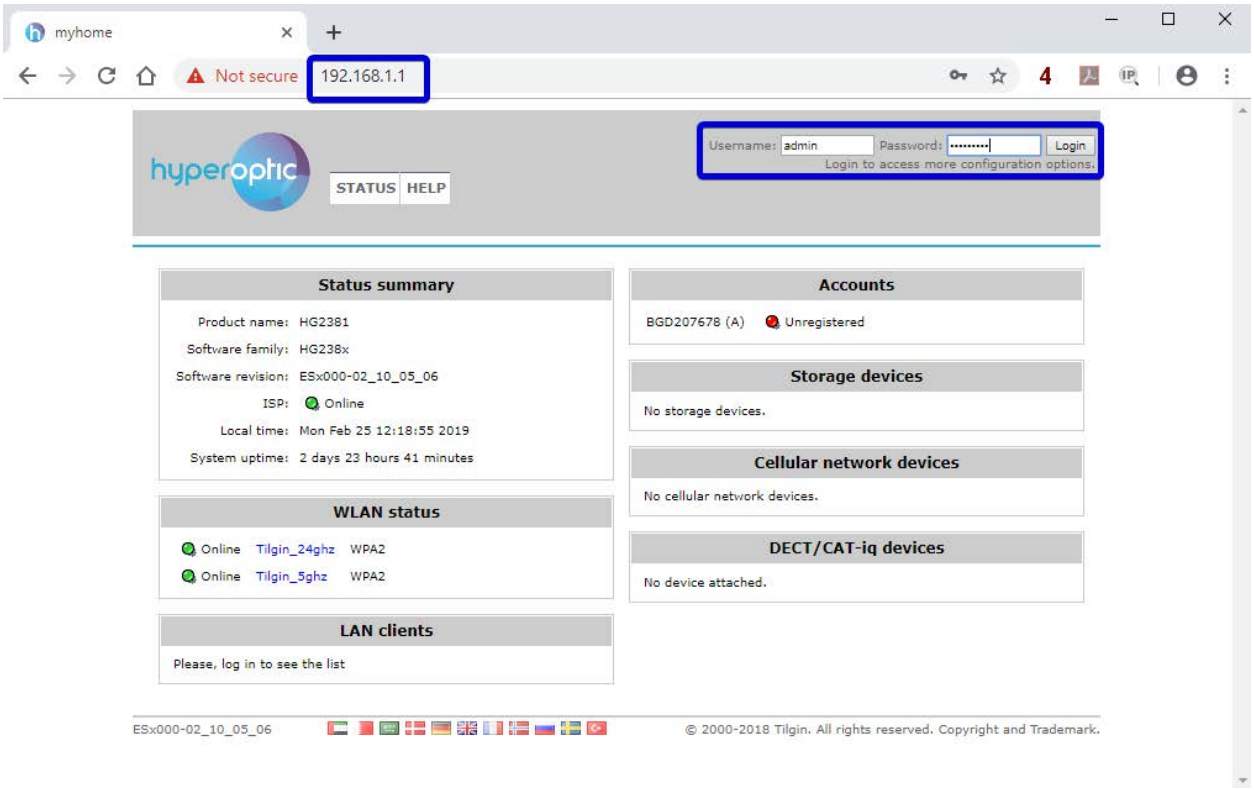

Image 1. Router HG2381 login screen

Reboot and factory reset

You can reboot your router via the web. Once you've logged in (see page 2), navigate to **Tools > Maintenance > Restart system**. Click on **Restart system**. See Image 2.

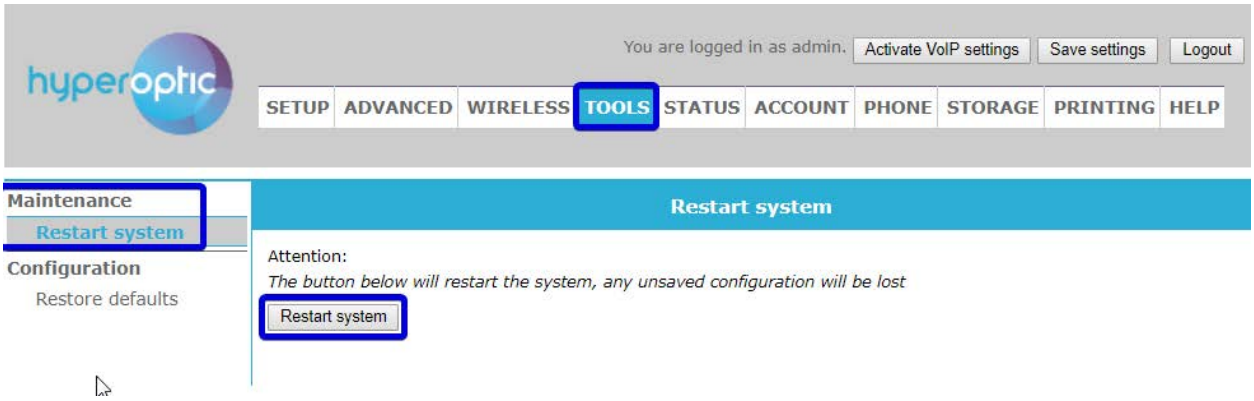

Image 2. Rebooting your router

To restore factory settings, navigate to **Tools > Configuration > Restore defaults**. Click on **Restore factory defaults**. See Image 3.

Please note, factory reset isn't recommended as it can shorten the life of a router if used often. Also, factory reset will delete any user-made configuration, such as wifi SSID, wifi password, port forwarding rules, etc.

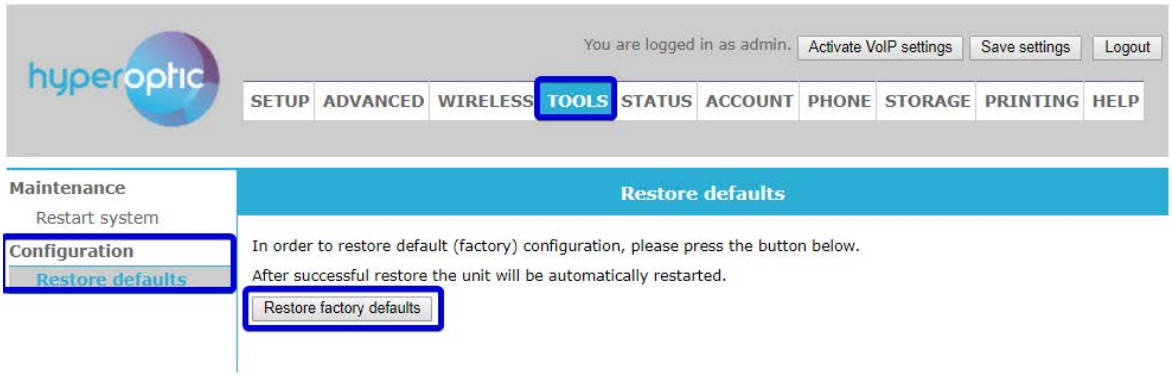

Image 3. Restoring factory settings

LAN clients

The number of LAN (Local Area Network) clients, their MAC addresses and associated IPv4 addresses can be checked once you're logged into your router (see page 2). Navigate to **Advanced > LAN settings > LAN clients**. The connection type will be listed for every LAN client (see Image 4), and you'll be able to see all the devices that are using your router's LAN.

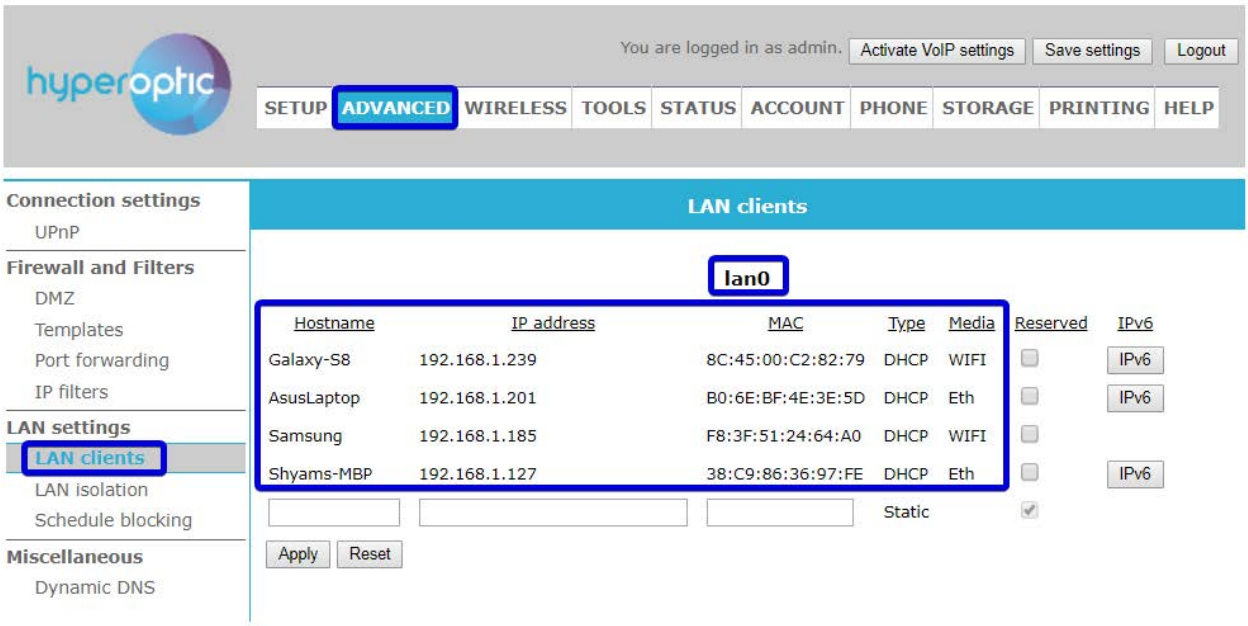

Image 4. Overview of LAN clients

Wifi password and SSID change

To change your wifi password or name for 2.4 GHz or 5 GHz bands, log into your router (see page 2) and navigate to **Wireless**. To change the parameters of your wifi connection, click on the SSID in **Existing SSIDs**. Configuration changes are the same for 2.4 GHz and for 5 GHz. See Image 5, where we've used 2.4 GHz for demonstration purposes.

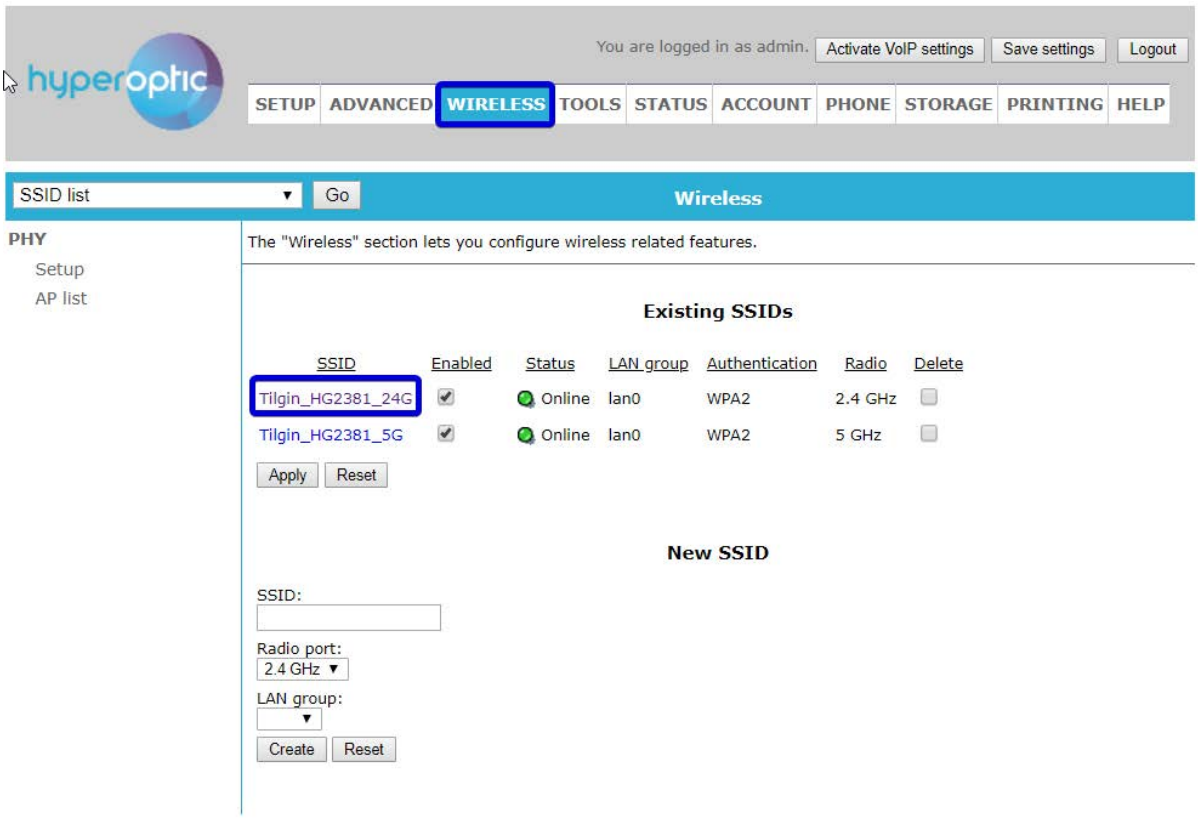

Image 5. Existing wifi SSIDs

To change name of your wifi connection, navigate to **Wireless > SSID > Configuration**. Provide the name of your connection and then click **Apply** and **Save settings**. See Image 6.

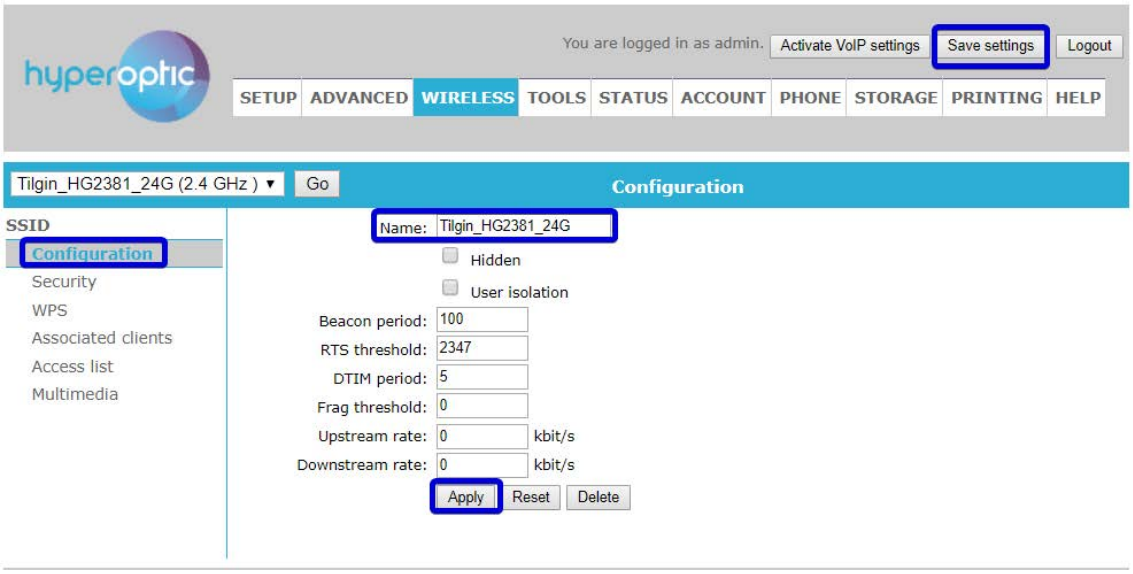

Image 6. Change of 2.4GHz connection name

To change your wifi password, navigate to **SSID > Security**. See Image 7. Please use passwords containing upper and lower case letters and numbers, with a minimum of 12 characters in length. Once you've decided on a password, click **Apply** and **Save settings**.

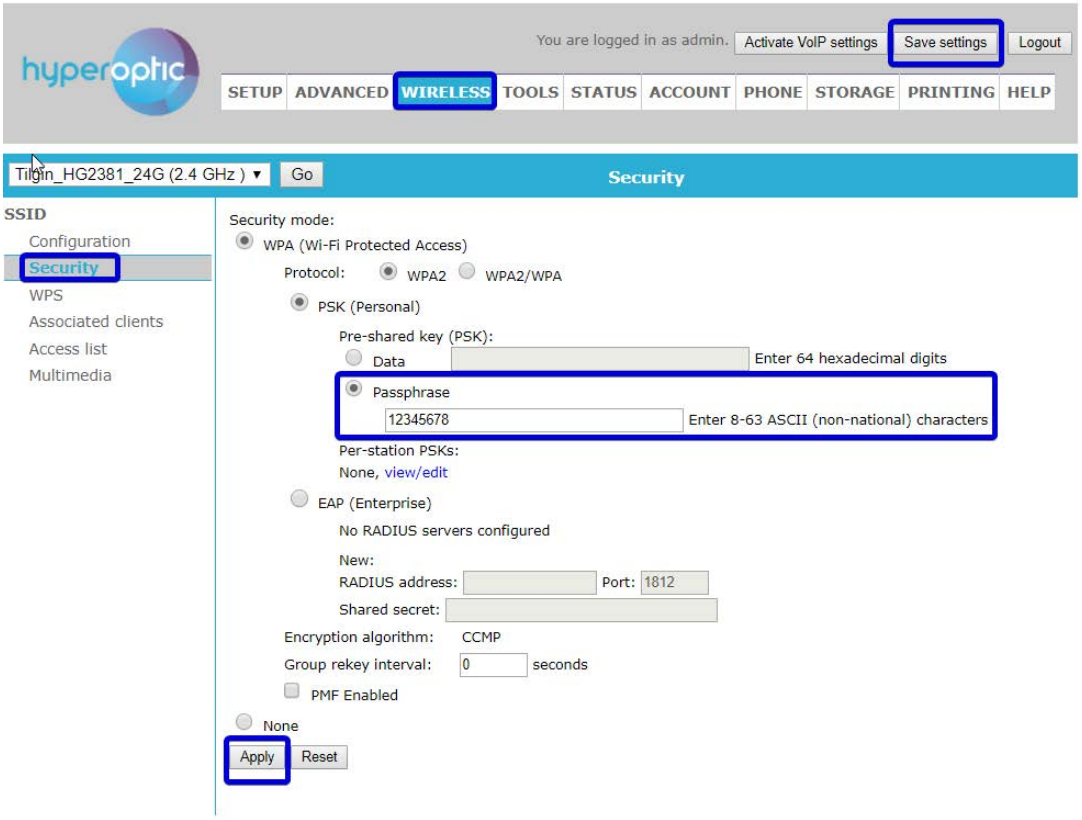

Image 7. Wifi password change

WPS connection

To connect to wifi without a password, please log in to your router (see page 2) and navigate to **Wireless**. Click on the SSID and go to **SSID > WPS**. See Image 8. Click on **Add device**. Wait a few seconds and then click WPS on LAN client. A wifi connection will then be made.

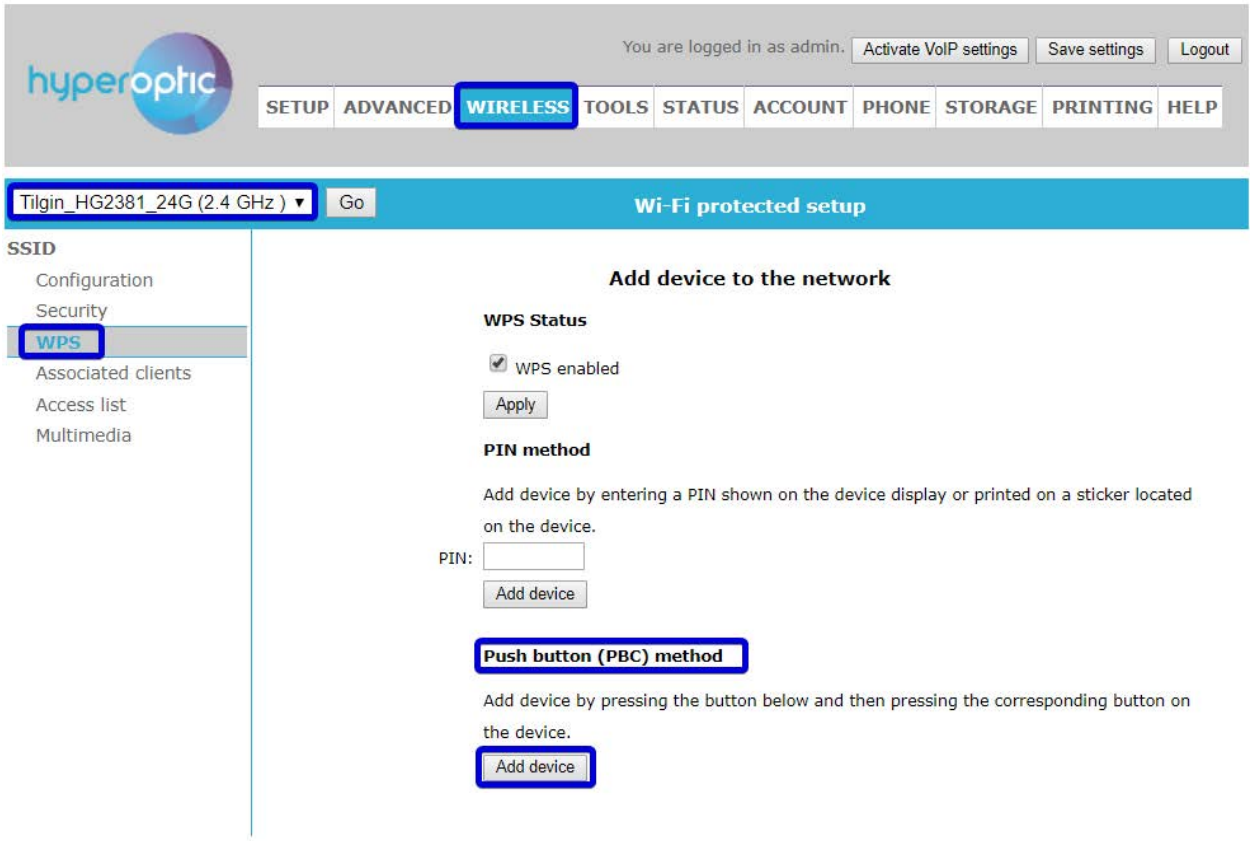

Image 8. Accessing wifi via WPS

Creating a new SSID

To create a new SSID, please log into your router (page 2) and navigate to **Wireless**. Under **New SSID**, use any name (e.g. New_2.4GHz), select **2.4 GHz or 5GHz** radio port and select **lan0** LAN group. Click **Create**. See Image 9.

If a new 5GHz network is needed, select **5 GHz radio port** from the drop-down menu. The configuration steps for 2.4GHz SSID and 5GHz SSID are the same.

Image 9. Creating a new SSID

Once your new SSID (in this case 2.4GHz) is created, you can change the **passphrase** of the SSID. Click **Apply** and **Save settings** in the upper right corner of the web page (see Image 10).

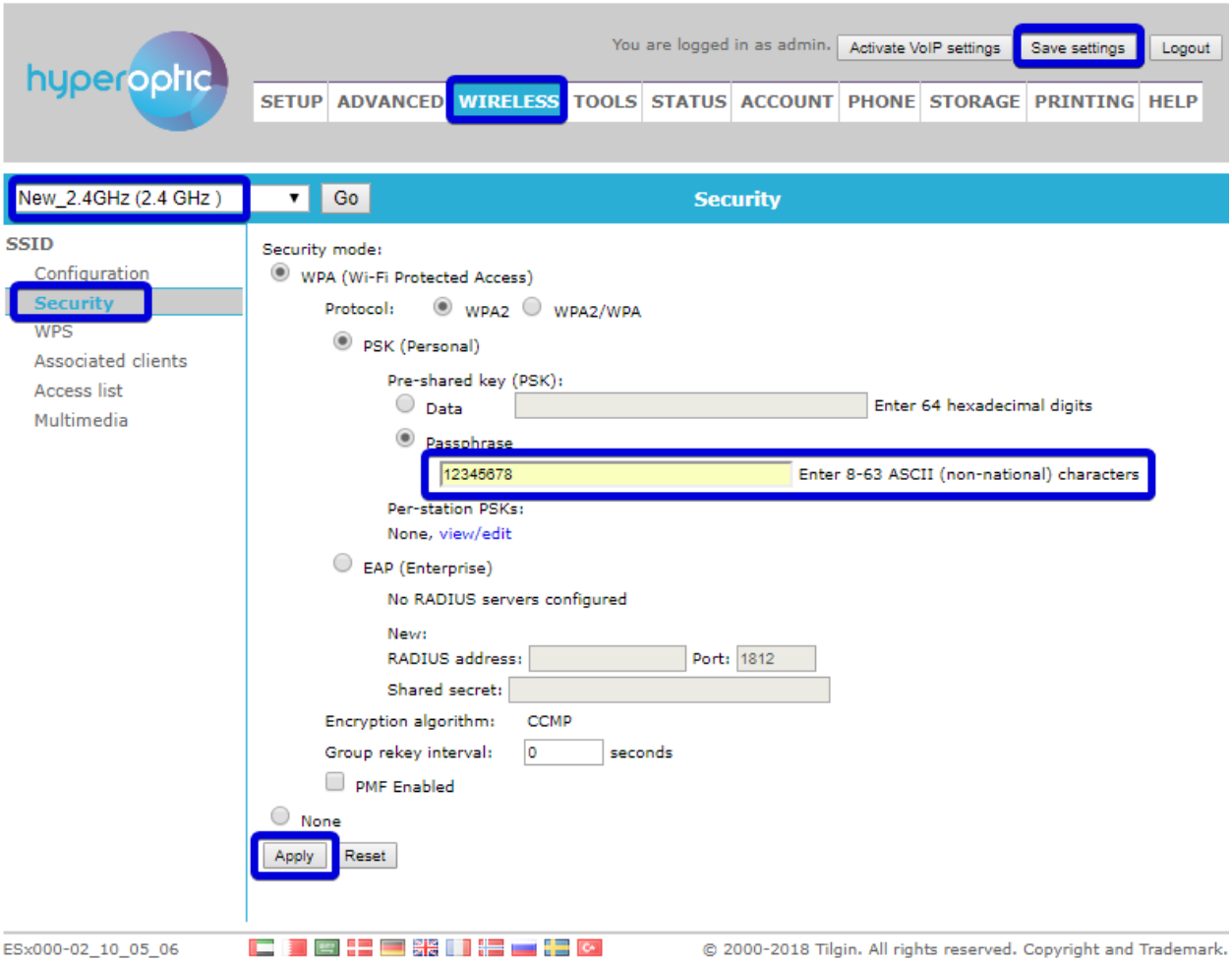

Image 10. Defining the passphrase for your new SSID

Deleting an existing SSID

To delete an existing SSID, please log into your router (page 2) and navigate to **Wireless**. Tick **Delete** on network you'd like to delete. Click **Apply** and **Save settings** (see Image 11).

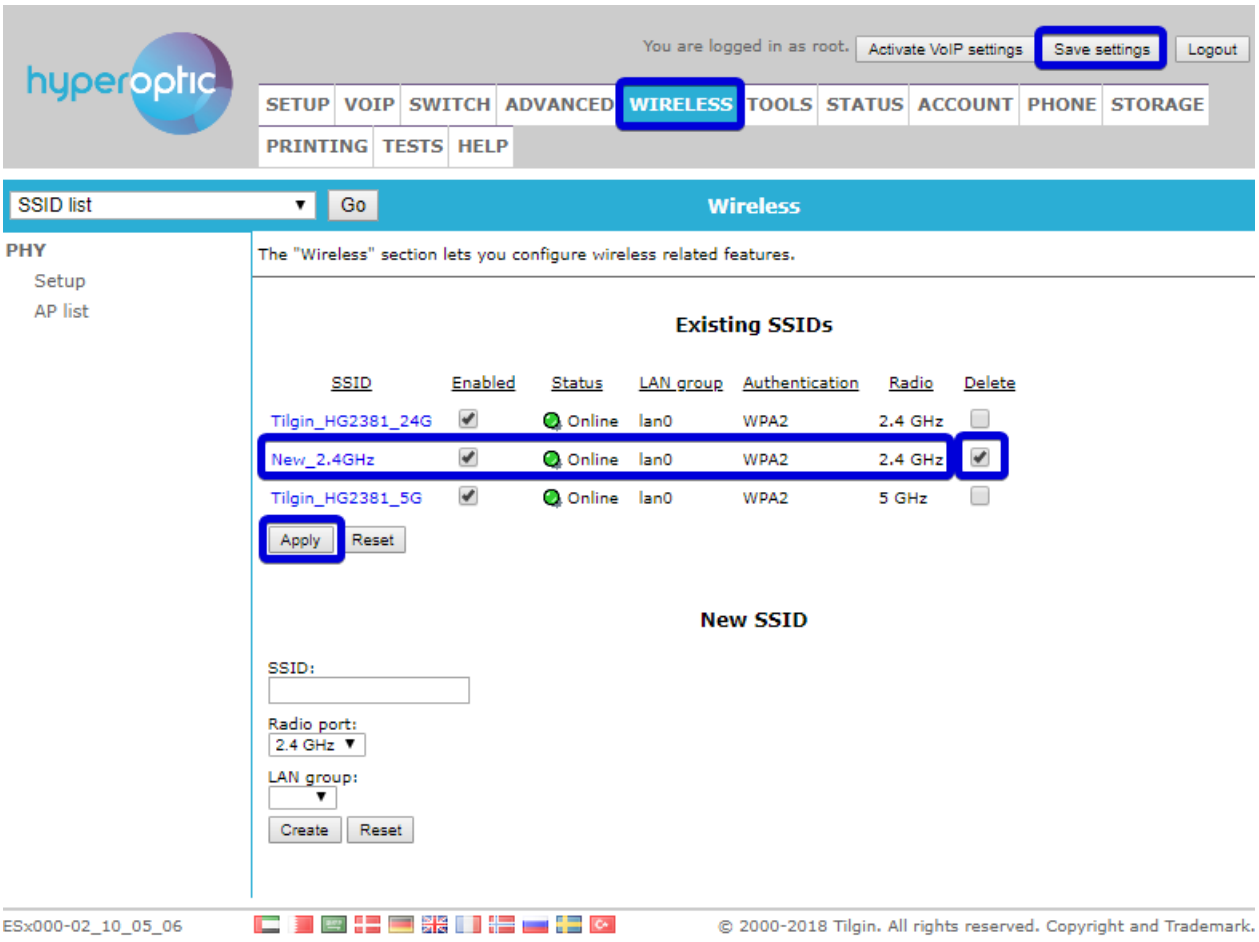

Image 11. Deleting an existing SSID

Changing your wifi channel

To minimise interference, we highly recommend leaving your wifi channel selection on its default settings. If you would like to change your channel selection, however, you can do so by logging into your router (see page 2) and navigating to **Wireless > Setup**.

Select either **2.4GHz** or **5GHz** frequency band. Once selected, refer to **Channel**. Select **Manual** configuration and choose one of the listed channels from the drop-down menu. Click **Apply** and **Save settings**. See Image 12 and Image 13.

Note: please try to use channels 1, 6 or 11 for 2.4GHz networks.

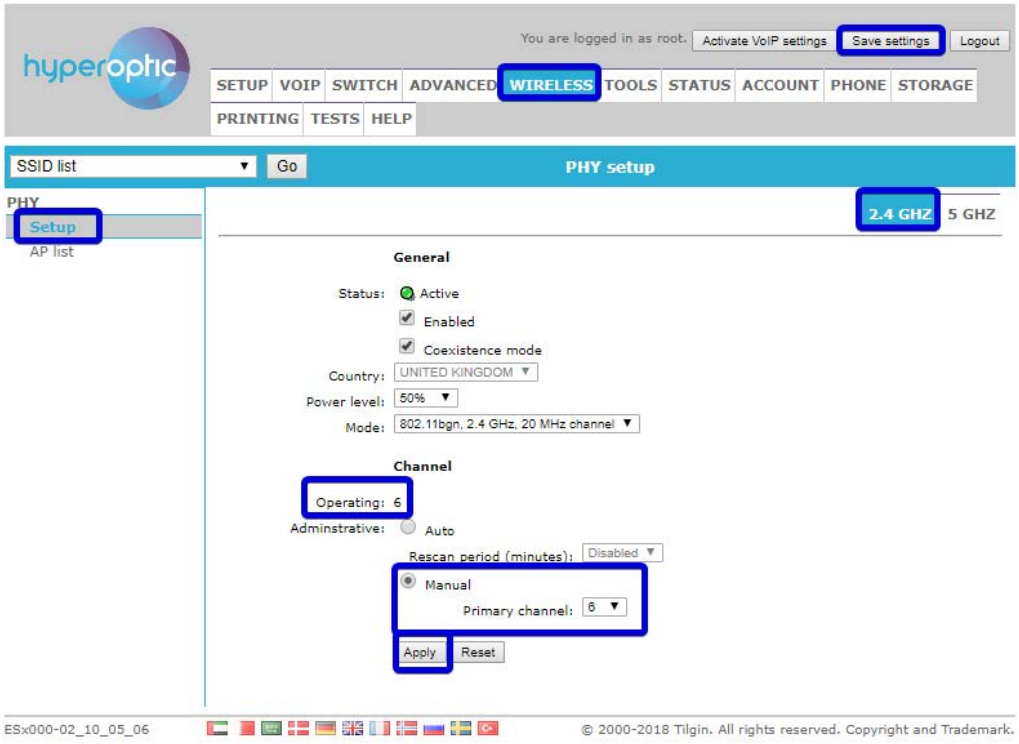

Image 12. Changing channel for 2.4 GHz network

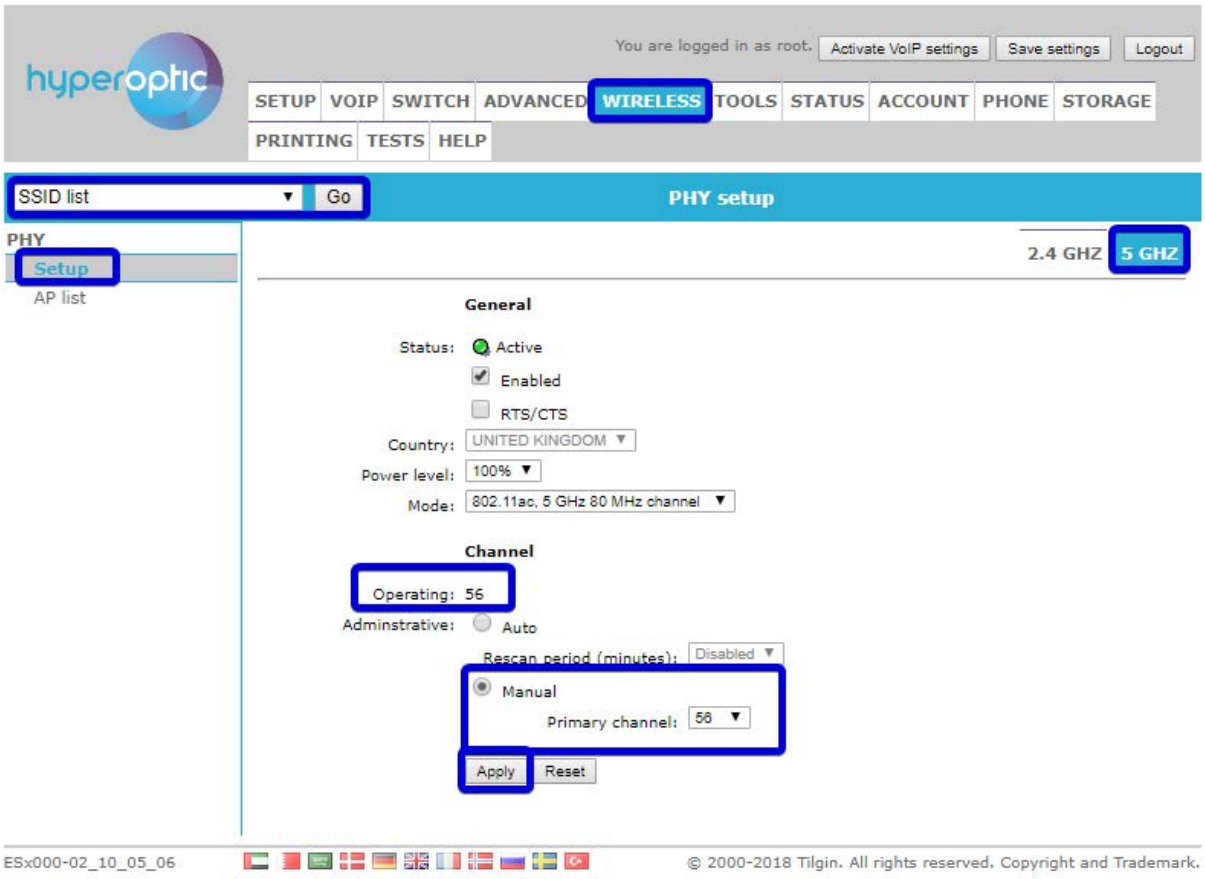

Image 13. Changing channel for 5GHz network

Wifi authentication

To change your wifi authentication settings, please log into your router (page 2) and navigate to **Wireless**. Click on the 2.4GHz or 5GHz connection. The configuration is the same for both connections (see Image 14, where we've used 2.4GHz for demonstration purposes). Select either **WPA2** or **WPA2/WPA** protocol. After the protocol change, click **Apply** and **Save settings**. By default, advanced encryption algorithm is used.

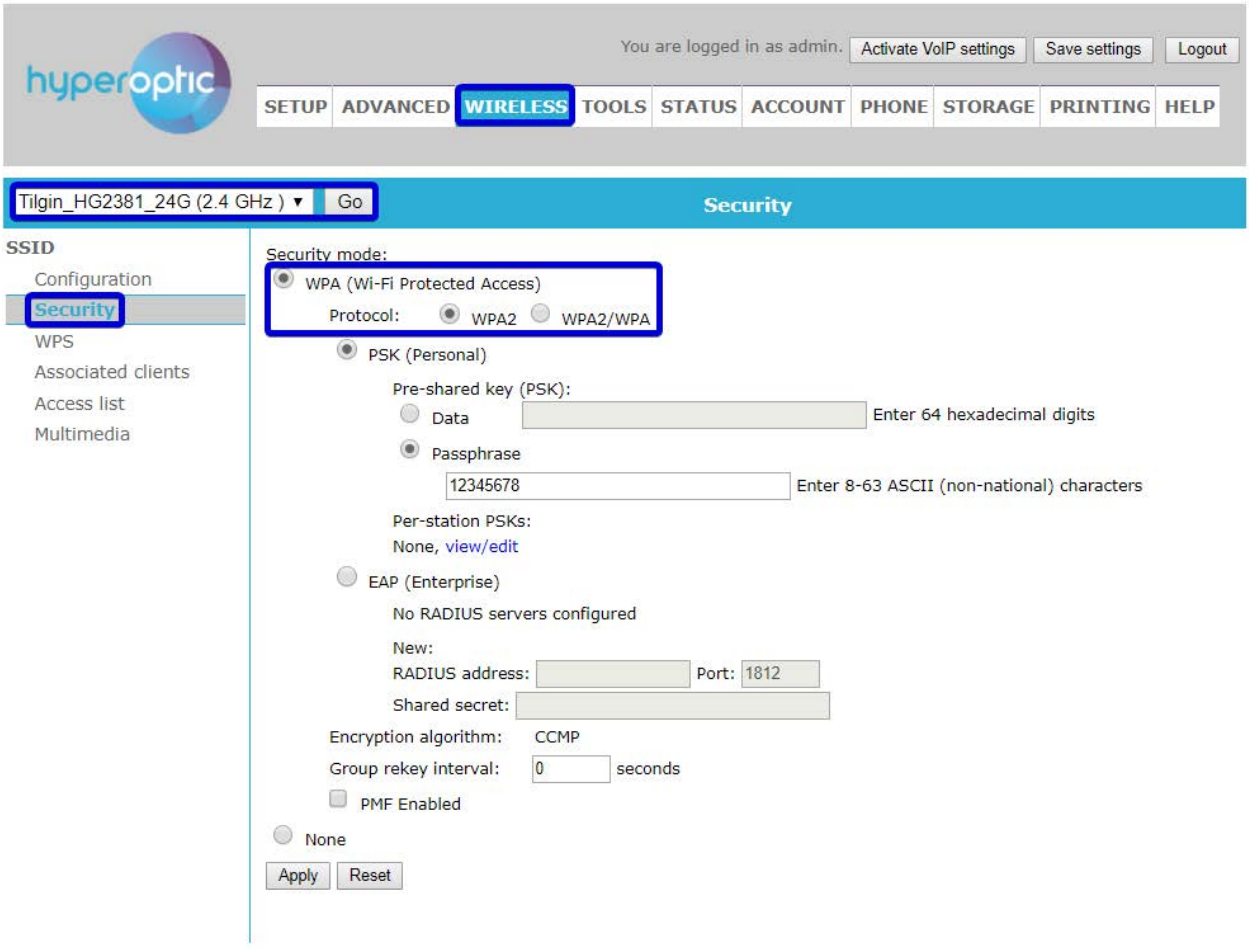

Image 14. Changing wifi authentication

Parental control

Parental control can be used to restrict access to sites. To enable parental control, please log into your router (page 2) and navigate to **Advanced > LAN settings > LAN clients**. Select the device which needs to be blocked and click **Apply**. This part of the process will create static DHCP binding for certain MAC address (LAN client). See Image 15.

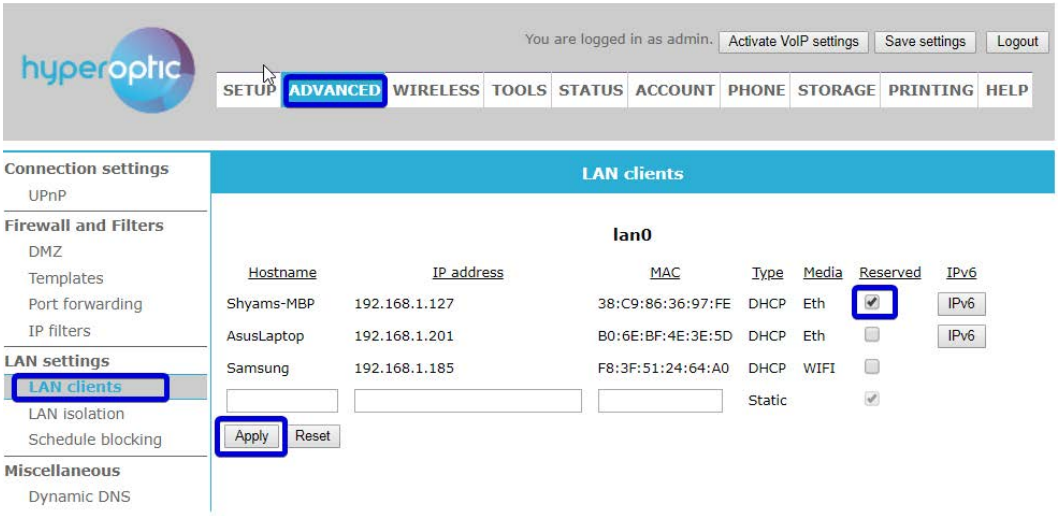

Image 15. Selecting which LAN client will be blocked

Once completed, navigate to **Advanced > LAN settings > Schedule blocking**. Select the day and time you would like to restrict access and click **Apply**. Then click **Save settings**. See Image 16.

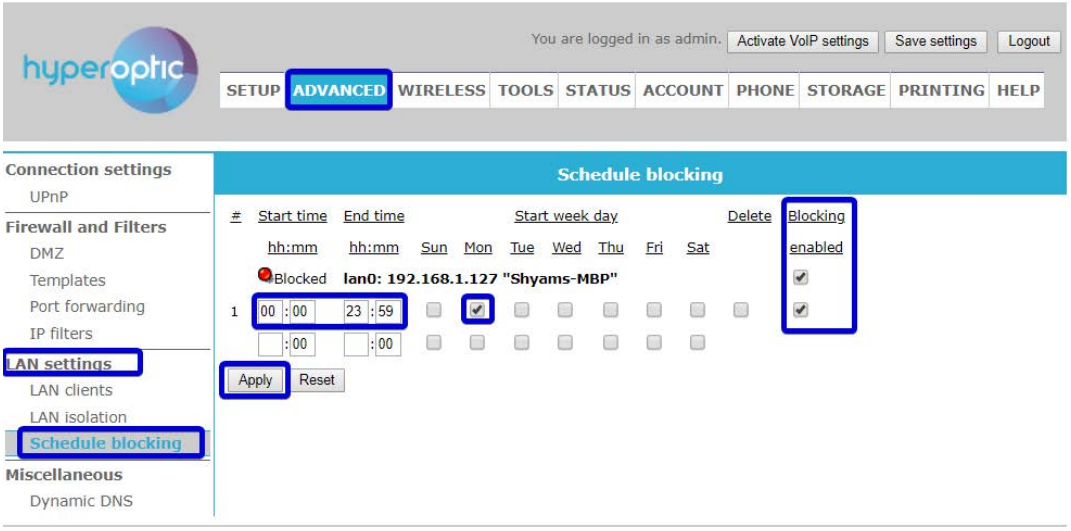

Image 16. Defining blocking time & day

Change of DNS (admin account)

To change your DNS, please log into your router (page 2) and navigate to **Setup > LAN Setup > LAN configuration**. Click **View/edit all parameters** (see Image 17). By default, the router uses two Hyperoptic DNS servers which provide redundancy and address resolution. These servers communicate directly with the WAN ethernet router port and provide means for swift browsing.

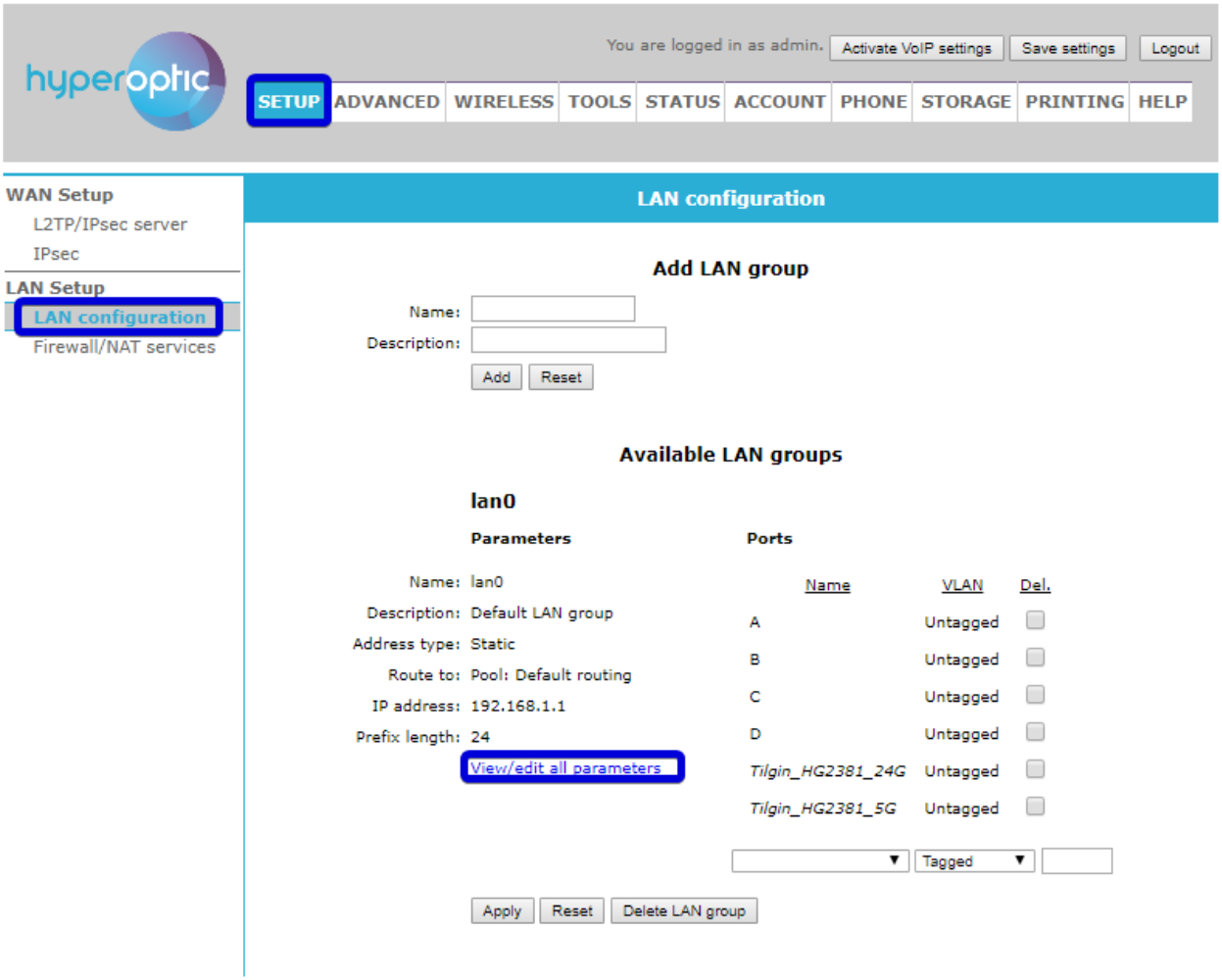

Image 17. Navigating to DHCP LAN settings

In the "Static Address" section, look for DHCP fields as shown in Image 18. Configure the public DNS as per your choice. To enable the use of an arbitrary DNS, please **disable DHCPv6 server**. See Image 18.

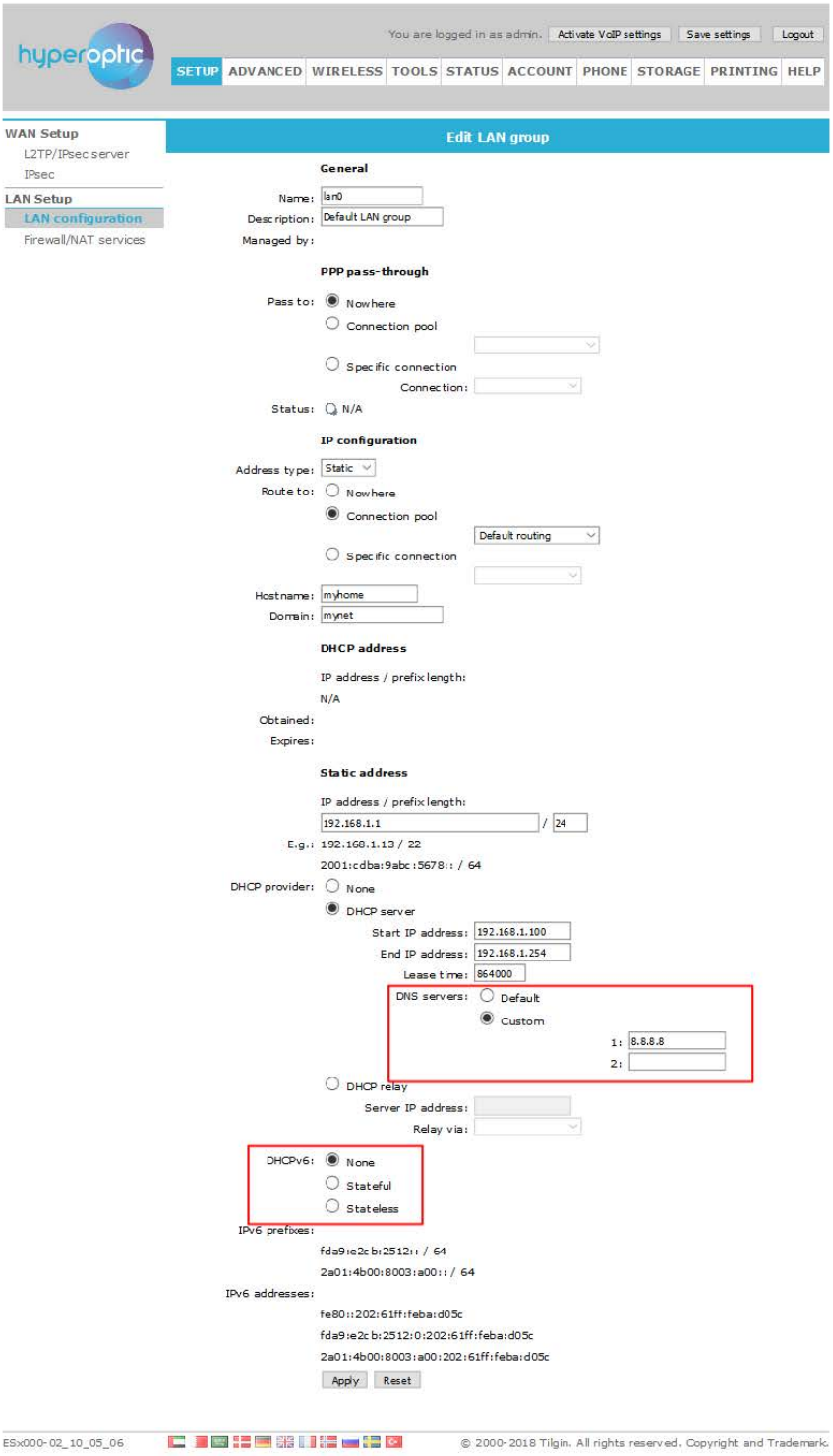

Image 18. DNS section of LAN configuration

UPnP router configuration

To configure your router using LAN UPnP applications, please log into your router (page 2) and navigate to **Advanced > Connection settings > UPnP**. See Image 19. If you're not using UPnP applications, UPnP should be set to Off (the default UPnP setting is Off).

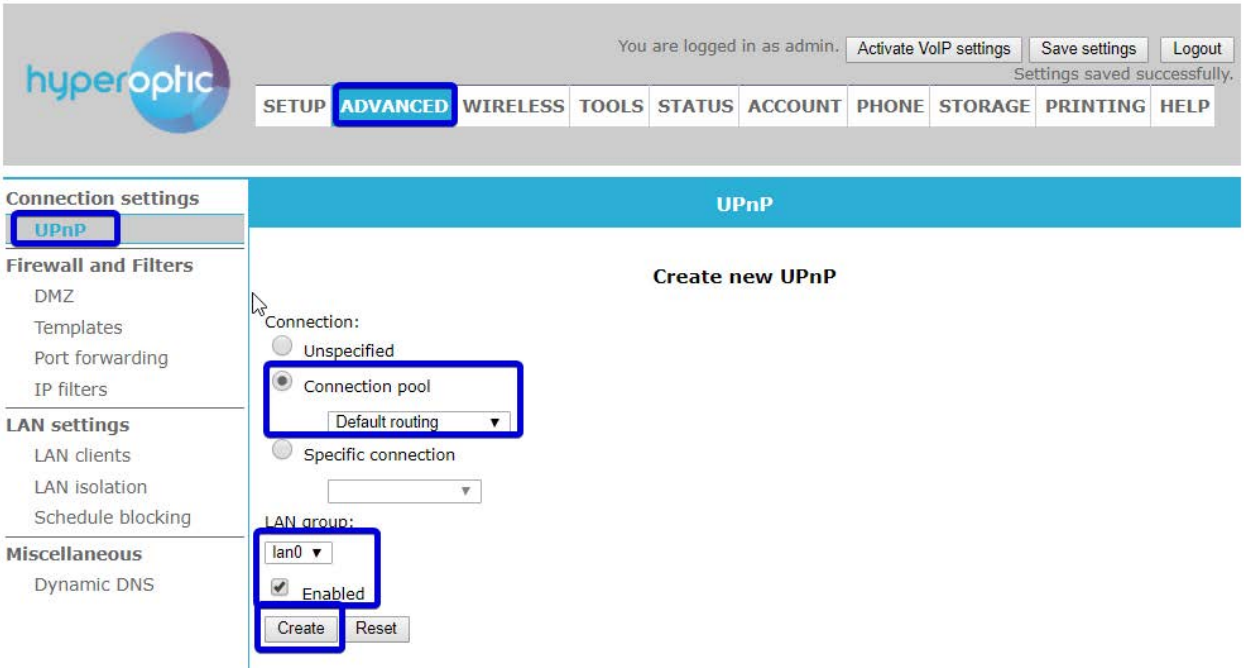

Image 19. Setting up UPnP service

Tick **Enabled** and click **Create**. Once this is done, click **Save settings** in the upper right side of the screen. Confirmation of configuration should appear as shown in Image 20.

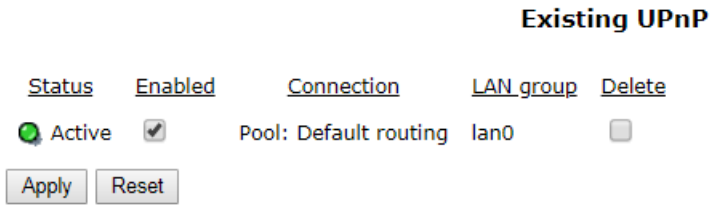

Image 20. Confirmation of UPnP settings

USB storage

You can access the USB storage port on your router in a few ways. To access via HTTP protocol, please log into your router (page 2) and navigate to **Storage > General > Setup**. Click **Storage enabled** and **Enabled** under **Access via HTTP**. Click **Apply** and **Save settings**.

To connect to flash drive type http://***ip_address***/nas into the browser. Router configuration is shown in Image 21. Remote access is shown in Image 22. Your router's USB port with attached flash drive can be used as additional storage, linked with LAN.

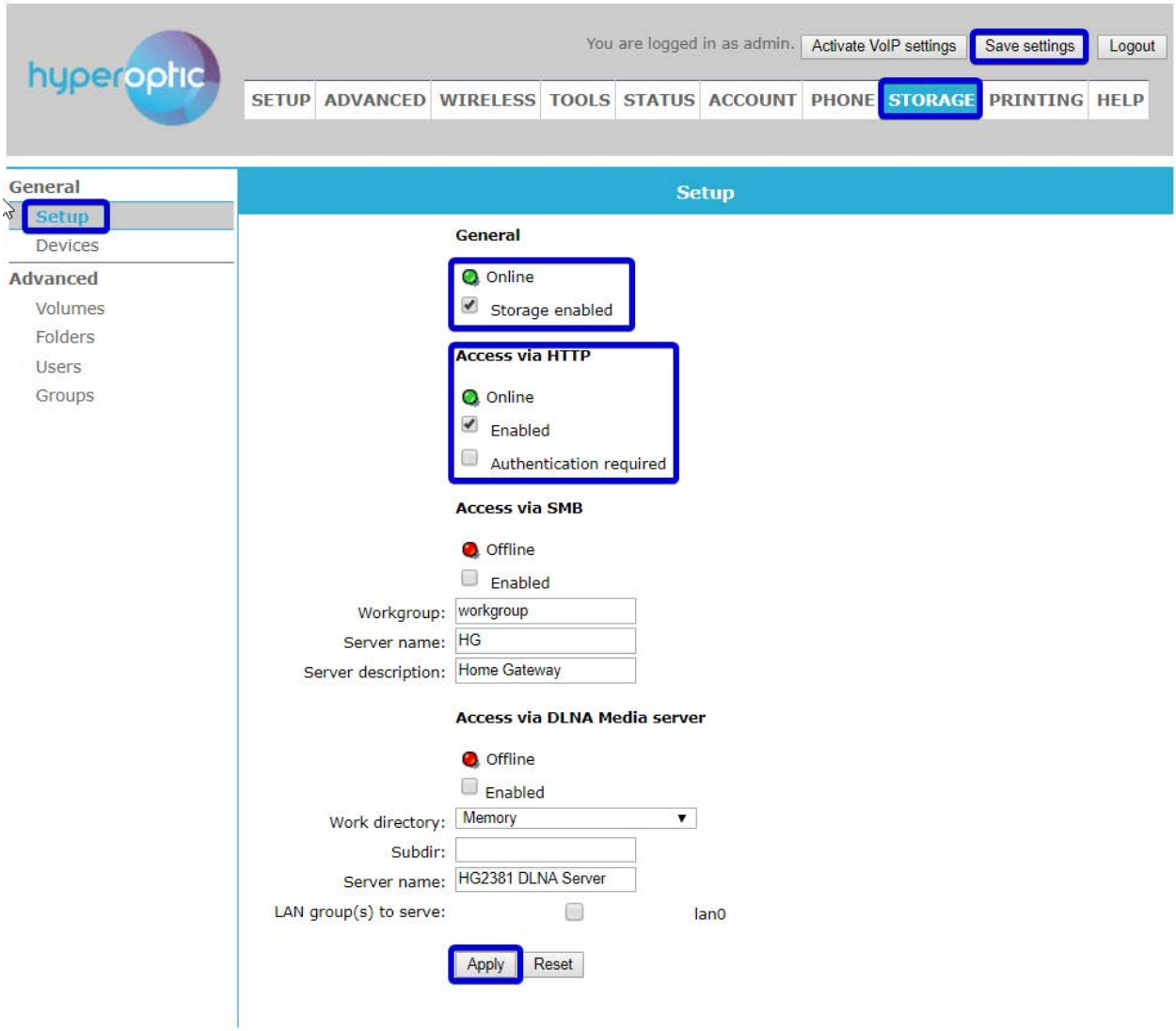

Image 21. Flash drive access via HTTP

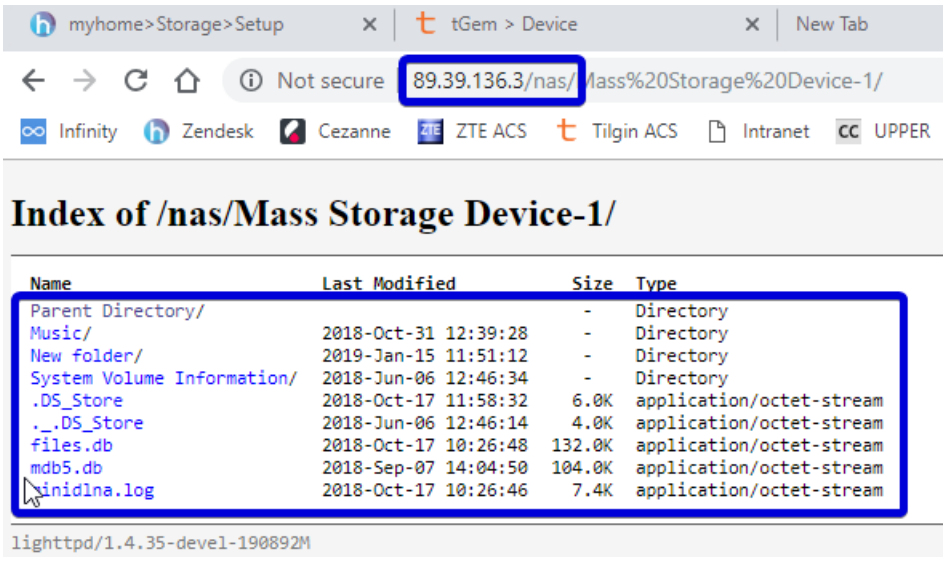

Image 22. Remote access to USB drive via http

To connect via SMB, click **Enabled** in the section **Access via SMB**. See Image 23. Once enabled, click **Apply** and **Save settings**. See Image 24 for SMB access.

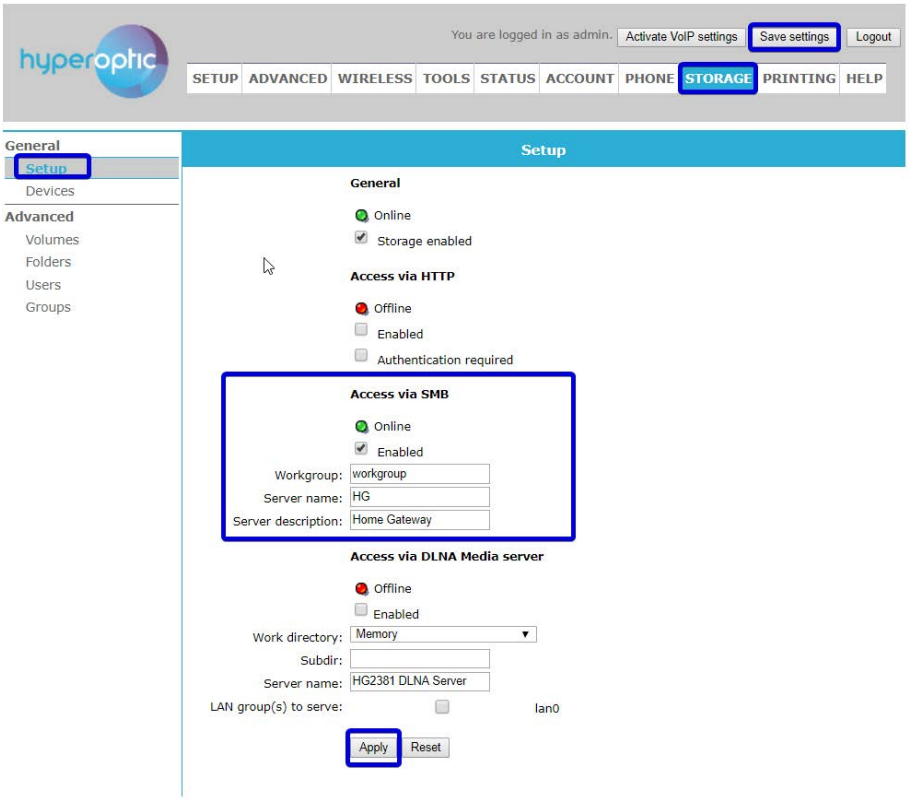

Image 23. Access to flash drive via SMB

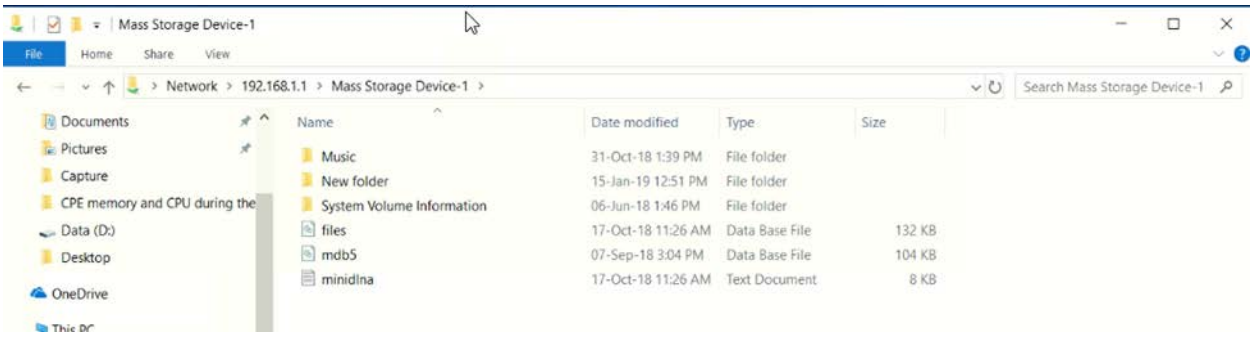

Image 24. LAN access via SMB (type ***\\192.168.1.1*** in browser search)

See Image 25 for access via DLNA Media server. Click to serve **lan0** group. Click **Enabled** and then **Apply**.

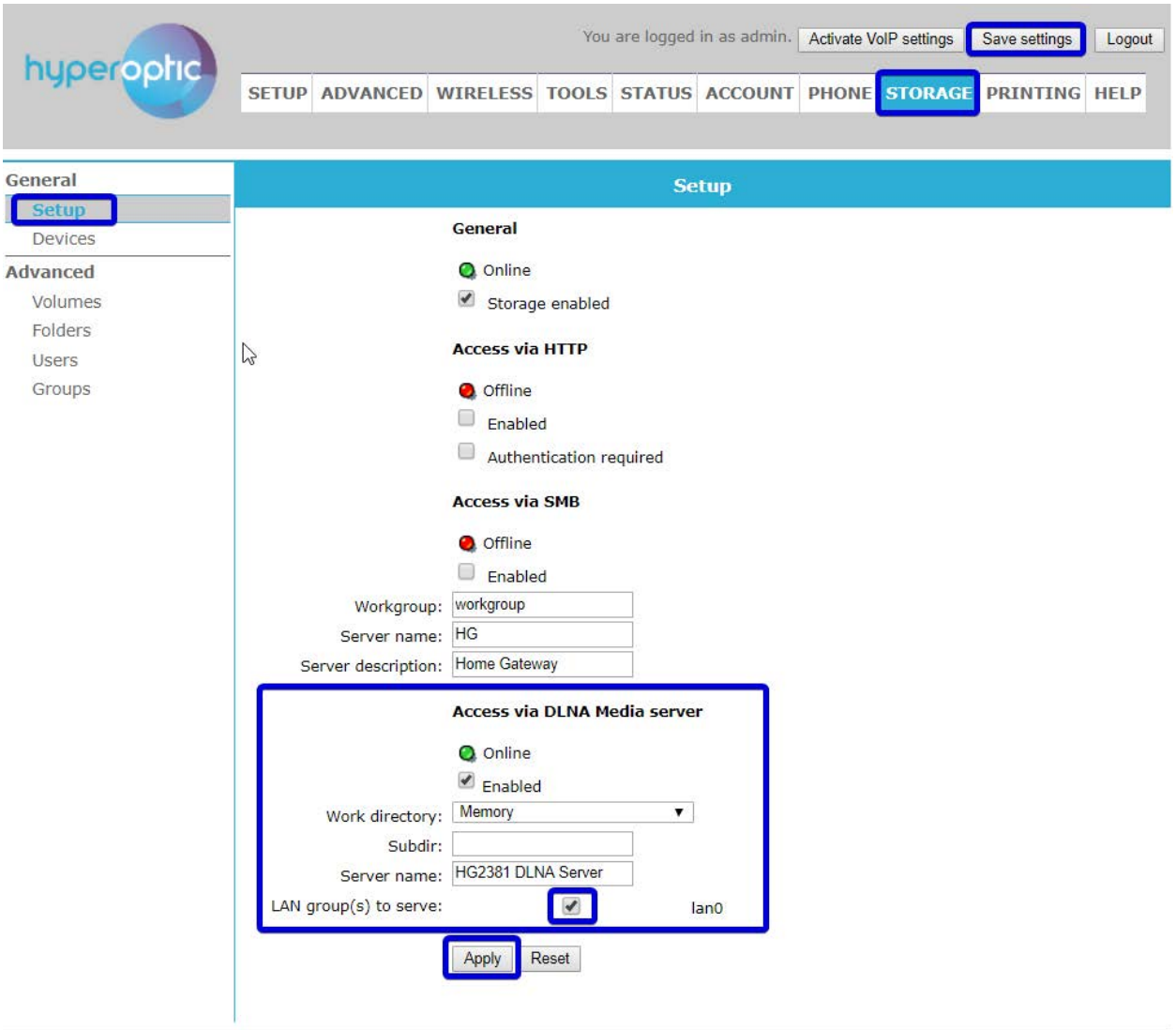

Image 25. Access to DLNA Media server

See Image 26 for access to flash drive via PC application e.g. VLC, Windows Media Player.

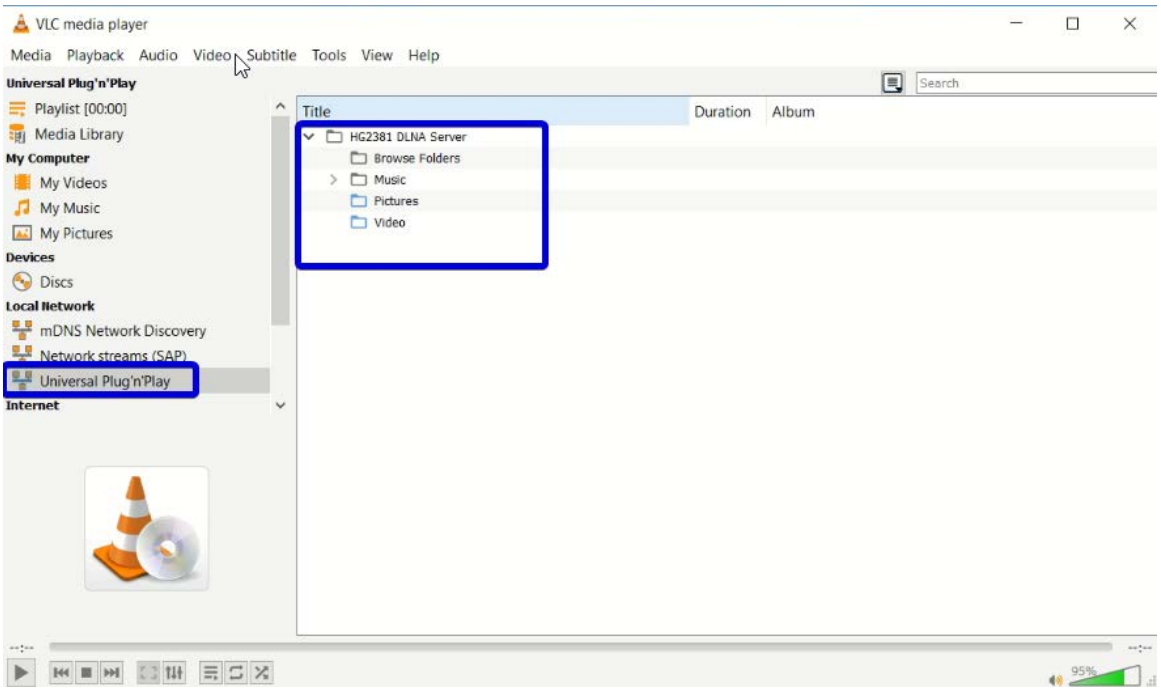

Image 26. Access to USB flash drive DLNA server