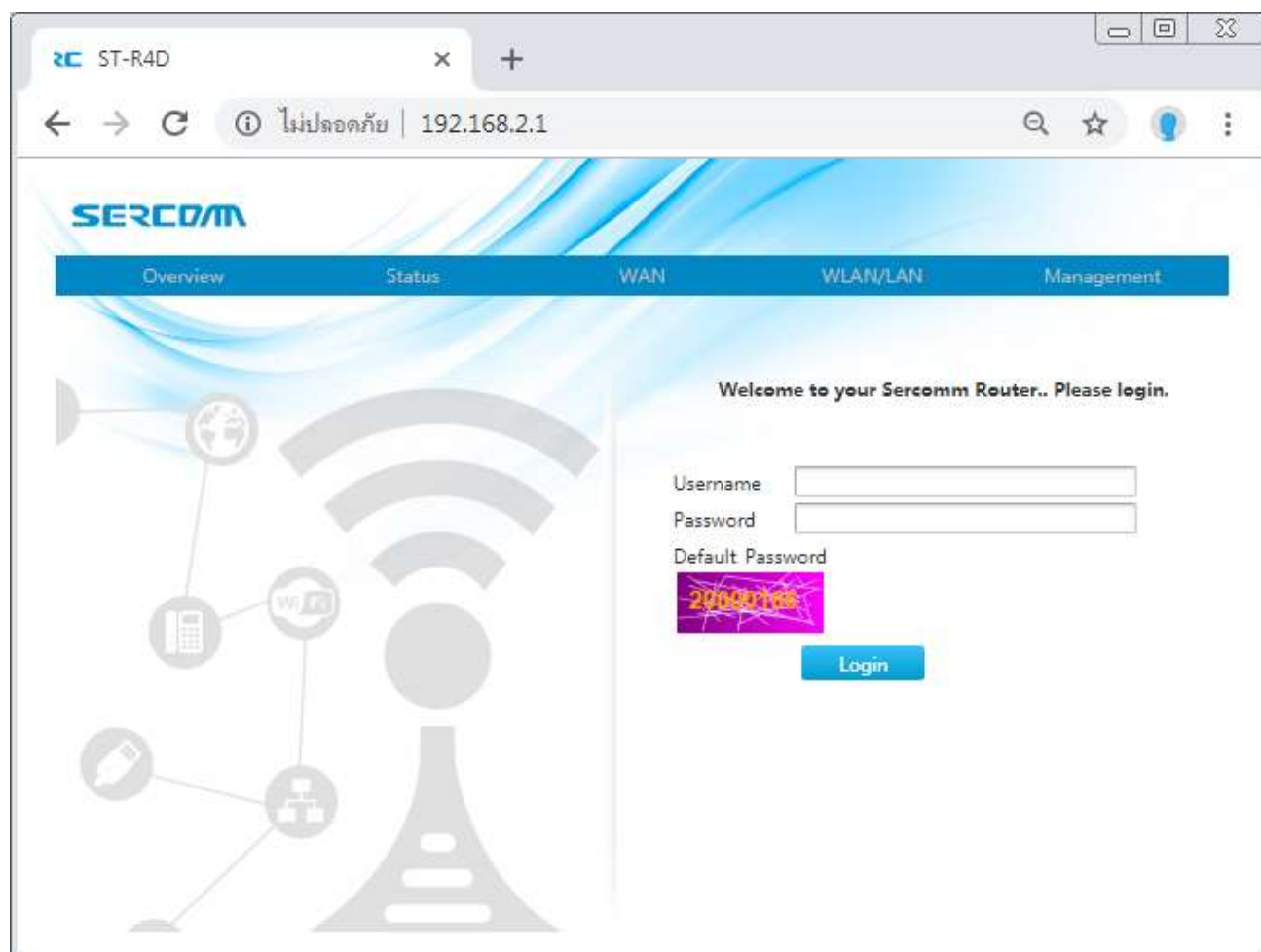


Set up Wireless on AP SERCOM ST-R4D

1. Open a Browser, type 192.168.2.1 and press **Enter**

- User = admin
- Password = enter letters as shown below (click it again if they're not clear, format will change but always the same code)
- Press Login



2. After Login, it'll lead to Overview, Wireless configuration can be done through "WiFi" or WLAN/LAN



3. **WLAN Basic:** select **WLAN > WLAN Basic**

3.1. WLAN On/Off Configuration

- WLAN (2.4GHz) : choose On when wish to turn on, Off when wish to turn off
- WLAN (5GHz) : choose On when wish to turn on, Off when wish to turn off
- When finished, press **Apply**



The screenshot shows the SERCOM web interface. At the top, there is a navigation bar with 'Overview', 'Status', 'WAN', 'WLAN/LAN', and 'Management'. The 'WLAN/LAN' section is active, and the 'WLAN Basic' sub-tab is selected. On the left, a sidebar menu lists 'WLAN', 'LAN', 'Routing', 'UPnP', and 'DNS'. The main content area is titled 'WLAN On/Off Configuration' and contains two rows of radio buttons: 'WLAN (2.4GHz)' and 'WLAN (5GHz)', each with 'On' and 'Off' options. The 'On' option is selected for both. At the bottom right of this section are 'Apply' and 'Cancel' buttons. Below this section are two expandable sections: 'WLAN Global Configuration' and 'WLAN SSID Configuration'.

3.2. WLAN Global Configuration

- Channel : Auto (default) or change to preferred Channel
- Mode : by default support all Modes or can change as desired
- Band Width : the more Wireless band width, the more speed it is, but depending on the connected device that should support MIMO
- Transmitting Power : the more value, the more transmitting depth but narrower
- When completed, press **Apply**

▼ WLAN Global Configuration

▼ 2.4GHz

Channel	Auto		
Mode	Mixed (802.11b/g/n)		IEEE 802.11b Only IEEE 802.11g Only IEEE 802.11n Only Mixed (802.11b/g) Mixed (802.11g/n) Mixed (802.11b/g/n)
Country/Region	United States of America		
Band Width	20MHz	Auto 20MHz 40MHz	
SGI	<input checked="" type="radio"/> On <input type="radio"/> Off		
Beacon Interval	100 ms		
Transmitting Power	Standard	High Medium Standard	1 2 3 4 5 6 7 8 9 10 11
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>			

▼ 5GHz

Channel	Auto		
Mode	Mixed (802.11a/n/ac)		IEEE 802.11a Only IEEE 802.11n Only Mixed (802.11a/n) Mixed (802.11a/n/ac)
Country/Region	United States of America		
DFS	Without DFS		
Band Width	Auto	Auto 20MHz 40MHz 80MHz	
SGI	<input checked="" type="radio"/> On <input type="radio"/> Off		
Beacon Interval	100 ms		
Transmitting Power	Standard	High Medium Standard	Auto 36 40 44 48 149 153 157 161
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>			

3.3. WLAN SSID Configuration

3.3.1. Set SSID

- SSID Name : Wireless name
- SSID Hide : Off by default, if want to hide, select On
- Encryption Type :
- WPA Passphrase : Wireless password (set according to the selected type)
- When finished, press Apply

▼ WLAN SSID Configuration

▼ SSID1 (2.4GHz) On Off

SSID Name

SSID Hide On Off

Encryption Type ▼

WPA Passphrase

WPAGroupRekey Time s

Maximum Clients

▶ SSID2 (2.4GHz) On Off

▶ SSID3 (2.4GHz) On Off

▶ SSID4 (2.4GHz) On Off

▼ SSID5 (5GHz) On Off

SSID Name

SSID Hide On Off

Encryption Type ▼

WPA Passphrase

WPAGroupRekey Time s

Maximum Clients

- No Security
- WPA2-PSK-AES
- WPA/WPA2-PSK-TKIP/AES
- WEP-OpenSystem
- WEP-SharedKey

- No Security
- WPA2-PSK-AES
- WPA/WPA2-PSK-TKIP/AES
- WEP-OpenSystem
- WEP-SharedKey

3.3.2. Encryption type: No Security

- Encryption Type : select No Security, connect Wireless without password
- When finished, press Apply

▼ WLAN SSID Configuration

▼ SSID1 (2.4GHz) <input checked="" type="radio"/> On <input type="radio"/> Off	
SSID Name	<input type="text" value="true_home2G_bdc"/>
SSID Hide	<input type="radio"/> On <input checked="" type="radio"/> Off
Encryption Type	<input type="text" value="No Security"/>
Maximum Clients	<input type="text" value="32"/>
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	
▶ SSID2 (2.4GHz) <input type="radio"/> On <input checked="" type="radio"/> Off	
▶ SSID3 (2.4GHz) <input type="radio"/> On <input checked="" type="radio"/> Off	
▶ SSID4 (2.4GHz) <input type="radio"/> On <input checked="" type="radio"/> Off	
▼ SSID5 (5GHz) <input checked="" type="radio"/> On <input type="radio"/> Off	
SSID Name	<input type="text" value="true_home5G_bdc"/>
SSID Hide	<input type="radio"/> On <input checked="" type="radio"/> Off
Encryption Type	<input type="text" value="No Security"/>
Maximum Clients	<input type="text" value="32"/>
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

3.3.3. Encryption password : WPA2-PSK-AES, WPA/WPA2-PSK-TKIP/AES

- Encryption Type : select WPA2-PSK-AES or WPA/WPA2-PSK-TKIP/AES : enter the password contains 8-63 characters
- When finished, press Apply

▼ WLAN SSID Configuration

SSID1 (2.4GHz) On OFF

SSID Name

SSID Hide On OFF

Encryption Type

WPA Passphrase

WPA Group Rekey Time

Maximum Clients

SSID2 (2.4GHz) On OFF

SSID3 (2.4GHz) On OFF

SSID4 (2.4GHz) On OFF

SSID5 (5GHz) On OFF

SSID Name

SSID Hide On OFF

Encryption Type

WPA Passphrase

WPA Group Rekey Time

Maximum Clients

▼ WLAN SSID Configuration

SSID1 (2.4GHz) On OFF

SSID Name

SSID Hide On OFF

Encryption Type

WPA Passphrase

WPA Group Rekey Time

Maximum Clients

SSID2 (2.4GHz) On OFF

SSID3 (2.4GHz) On OFF

SSID4 (2.4GHz) On OFF

SSID5 (5GHz) On OFF

SSID Name

SSID Hide On OFF

Encryption Type

WPA Passphrase

WPA Group Rekey Time

Maximum Clients

3.3.4. Encryption password : WEP-OpenSystem, WEP-SharedKey

- Encryption Type : select WEP-OpenSystem or WEP-SharedKey : enter number or letter contains 5 characters
- When finished, press Apply

▼ WLAN SSID Configuration

SSID1 (2.4GHz) On OFF

SSID Name

SSID Hide On OFF

Encryption Type

WEP Key Index

WEP Key1

WEP Key2

WEP Key3

WEP Key4

Maximum Clients

SSID2 (2.4GHz) On OFF

SSID3 (2.4GHz) On OFF

SSID4 (2.4GHz) On OFF

SSID5 (5GHz) On OFF

SSID Name

SSID Hide On OFF

Encryption Type

WEP Key Index

WEP Key1

WEP Key2

WEP Key3

WEP Key4

Maximum Clients

▼ WLAN SSID Configuration

SSID1 (2.4GHz) On OFF

SSID Name

SSID Hide On OFF

Encryption Type

WEP Key Index

WEP Key1

WEP Key2

WEP Key3

WEP Key4

Maximum Clients

SSID2 (2.4GHz) On OFF

SSID3 (2.4GHz) On OFF

SSID4 (2.4GHz) On OFF

SSID5 (5GHz) On OFF

SSID Name

SSID Hide On OFF

Encryption Type

WEP Key Index

WEP Key1

WEP Key2

WEP Key3

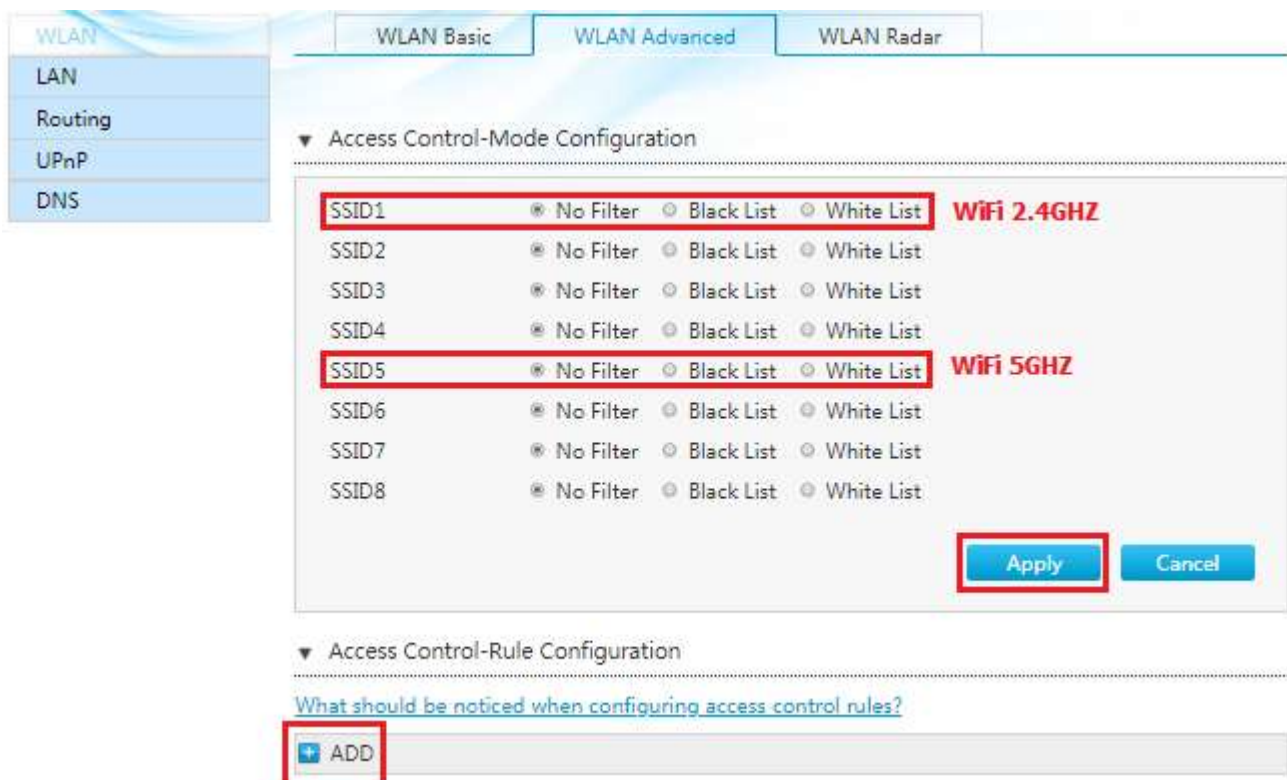
WEP Key4

Maximum Clients

4. **WLAN Advanced:** select **WLAN > WLAN Advanced**

4.1. **Access Control-Mode Configuration** : limit the internet usage via Wi-Fi

- **No Filter** : No Filter (default)
- **Black List** : if choose Black List and **Mac Address entered**, that device will not be able to use the internet but other connected device can normally use the internet
- **White List** : if choose White List and **Mac Address entered**, that device will be able to use the internet but other connected device cannot use the internet
- After select Black List or White List, press Apply
- Press ADD to enter Mac Address



4.2. Access Control-Rule Configuration

- **Name** : enter Profile name as desired
- **SSID** : select SSID1 for 2.4GHz or SSID5 for 5GHz
- **MAC Address** : enter Mac Address of device to limit the usage
- Press **Apply** to confirm
- When finished, Profile name will be changed and SSID will be grey

The image shows two side-by-side screenshots of the 'Access Control-Rule Configuration' interface, illustrating the process of creating and applying a rule.

Left Screenshot (Step 1): Shows the 'New Item' form. The 'Name' field contains 'BokNet2.4' (labeled 1), the 'SSID' dropdown is set to 'SSID1' (labeled 2), and the 'MAC Address' field is empty (labeled 3). The 'Apply' button is highlighted with a red '4'. A red dashed box labeled '5' encloses the 'New Item' form.

Right Screenshot (Step 2): Shows the configuration after the rule is applied. The 'Name' field now contains 'BokNet2.4' and the 'SSID' dropdown is set to 'SSID1' (labeled 6). The 'Apply' button is now greyed out. A red dashed box labeled '6' encloses the 'BokNet2.4' configuration.

A large black arrow points from the 'Apply' button in the first screenshot to the 'BokNet2.4' configuration in the second screenshot, indicating the transition.

5. **Search Wi-Fi network** : select **WLAN** > **WLAN Radar**

- WLAN Radar (2.4G) : search for available 2.4GHz Wi-Fi network
- WLAN Radar (5G) : search for available 5GHz Wi-Fi network
- Press Refresh when want to search again

The screenshot shows the 'WLAN Radar' interface with two sections: 'WLAN Radar (2.4G)' and 'WLAN Radar (5G)'. Each section contains a table of detected Wi-Fi networks and a 'Refresh' button.

WLAN Radar (2.4G)

AP Name	Signal Strength	MAC Address	Channel	Mode
Xplor 2.4G	-57 dBm	94:46:96:24:08:...	2	b,g,n
.@ TrueMove H	-58 dBm	00:c1:64:99:71:...	11	b,g,n
	-58 dBm	00:c1:64:99:71:...	11	b,g,n
.@ TRUEWIFI	-59 dBm	00:c1:64:99:71:...	11	b,g,n
Docsis2	-63 dBm	20:25:64:2d:84:...	7	b,g,n

WLAN Radar (5G)

AP Name	Signal Strength	MAC Address	Channel	Mode
plooktv_guest_5G	-61 dBm	a0:72:2c:94:6a:...	153	a,n,ac
	-74 dBm	00:c8:8b:e8:fc:ed	36	a,n,ac
	-75 dBm	00:c8:8b:ac:00:...	36	a,n,ac
.@ TrueMove H	-76 dBm	00:c8:8b:ac:00:...	36	a,n,ac