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





 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

Overview	Status	WAN	WLAN/LAN	Management
WLAN	WLAN Basic	WLAN Advanced	WLAN Radar	
LAN				
Routing	- WIAN Or Off Card	Convetion		
UPnP	VILAN ON/ON COM	iguration		
DNS	WLAN (2.4GHz)	⊛ On © Off		
	WLAN (5GHz)	⊛ On ☉ Off		
				Apply Cancel
	NUAN Clobal Conf	iguration		

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

Auto Mixed (802.11b/g/n)	•				
Mixed (802.11b/g/n)	-				
	•				IEEE 802.11b On
United States of America	W				IEEE 802.11g Onl
20MHz	•			Auto	Mixed (802.11h Ohi
⊛ On © Off				20MHz	Mixed (802.11g/
100	ms			40MHz	Mixed (802.11b/
Standard	•			High	
				Medium	
		Apply	Cancel	Standard	
Auto	•				
Mixed (802.11a/n/ac)	•				IEEE 802.11a Only
United States of America	T				IEEE 802.11n Onl
Without DFS	T				Mixed (802.11a/r Mixed (802.11a/r
Auto	•			Auto	
⊗ On © Off				20MHz	
				40MHz	
100	ms			80MHz	
	20MHz © On ○ Off 100 Standard Auto Mixed (802.11a/n/ac) United States of America Without DFS Auto © On ○ Off	20MHz ▼ © On © Off 100 ms Standard ▼ Auto ▼ Mixed (802.11a/n/ac) ▼ United States of America ▼ Without DFS ▼ Auto ▼	20MHz ▼ On Off 100 ms Standard ✓ Apply Auto ✓ Mixed (802.11a/n/ac) ✓ United States of America ✓ Without DFS ✓ Auto ✓ On Off Off On Off On On<	20MHz ▼ On Off 100 ms Standard ▼ Apply Cancel Auto ▼ Mixed (802.11a/n/ac) ▼ Without DFS ▼ Auto ▼	20MHz Auto © On © Off On 100 ms Standard Image: Standard Auto Apply Cancel Auto Auto Image: Standard Image: Standard Image: Standard Image: Stan

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

 <u>SSID1 (2.4GHz)</u> 	⊗ On © Off					
SSID Name	true_home2G_bdc					
SSID Hide	○ On ⊗ Off					
Encryption Type	WPA/WPA2-PSK-TKIP/AES	T			No Security	
WPA Passphrase	7QY7R97A				WPA2-PSK-	AES
WPAGroupRekey Time	1800	s			WPA/WPA2	-PSK-TKIP/A
Maximum Clients	32				WEP-Shared	lKey
			Apply	Cancel		
<u>SSID2 (2.4GHz)</u>	○ On ◎ Off					
SSID3 (2.4GHz)	⊖ On ⊛ Off					
SSID4 (2.4GHz)	○ On ⑧ Off					
 <u>SSID5 (5GHz)</u> 	⊛ On ○ Off					
SSID Name	true_home5G_bdc					
SSID Hide	○ On ⊗ Off					
Encryption Type	WPA/WPA2-PSK-TKIP/AES	T			No Security	
WPA Passphrase	7QY7R97A				WPA2-PSK-	AES
WPAGroupRekey Time	1800	s			WPA/WPA2 WEP-OpenS	-PSK-TRIP/Al
Maximum Clients	32				WEP-Shared	Key
			Apply	Cancel		



3.3.2. Encryption type: No Security

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

¥	<u>SSID1 (2.4GHz)</u>	® On ◎ Off
	SSID Name SSID Hide	true_home2G_bdc ◎ On ◎ Off
	Encryption Type	No Security
	Maximum Clients	32
		Apply Cancel
Þ	SSID2 (2.4GHz)	○ On ◎ Off
Þ	<u>SSID3 (2.4GHz)</u>	○ On ⊗ Off
۲	<u>SSID4 (2.4GHz)</u>	○ On ⑧ Off
¥	SSID5 (5GHz)	® On ○ Off
	SSID Name SSID Hide	true_home5G_bdc © On ® Off
	Encryption Type	No Security
	Maximum Clients	32
		Apply 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



5501 (2.4GHz)	# On © Off	 SSID1 (2.4GHz) 	+ On © Off	
SSID Name	true_home26_bdc	SSID Name	true_home2G_bdc	
SSID Hide	0 On # OH	SSID Hide	© On # Off	
Encryption Type	WPA2-PSK-AES *	Encryption Type	WPA/WPA2-PSK-TKIP/AES +	
WPA Passphrase	7QV7R97A	WPA Passphrase	7QX7897A	
WPAGroupRekey Time	1800	WPAGroupRakey Time	1800	
Maximum Clienta	32	Maximum Clients	32	
55002.(2.4GHz)	= On + Off	 \$5102.(2.49Hz) 	On P OH	
55802 (2.46Hz) 55803 (2.46Hz) 55804 (2.46Hz)	- On + Off - On + Off - On + Off	 SSID2 (2.4955) SSID1 (2.4957) SSID4 (2.4957) 	0n = 0# 0n = 0#	
5502/246Hpt 5503/246Hpt 55054/246Hpt 55054/246Hpt	= On = Off = On = Off = On = Off = On = Off	SSID2.(2.46Hz) SSID1.(2.46Hz) SSID1.(2.46Hz) SSID5.(2.46Hz) SSID5.(36Hz)	0 0n = 0H 0 0n = 0H 0 0n = 0H + 0n = 0H	
5502 (246Hz) 5503 (246Hz) 5504 (246Hz) 5505 (56Hz) 5505 (56Hz)	= On = Off = On = Off = On = Off = On = Off = On = Off true home/SG bot	SSD2 (2495) SSD2 (2495) SSD2 (2495) SSD4 (2495) SSD5 (2495) SSD5 (395)	On ≥ OH OH On ≥ OH OH On ≥ OH On ≥ OH On ≥ OH	
SSID2 (2.45Hz) SSID3 (2.45Hz) SSID4 (2.45Hz) SSID5 (5GHz) SSID Name SSID Hide	= On = Off = On = Off = On = Off = On = Off true_home56_bdx = On = Off	SSID2 (249Hs) SSID1 (249Hs) SSID1 (249Hs) SSID2 (249Hs) SSID2 (249Hs) SSID2 (39Hs) SSID None SSID Hide	On OH On OH On OH On Off Twe_home50_bdc	
SSID3 (2.45Hp) SSID3 (2.45Hp) SSID4 (2.45Hp) SSID5 (SGHp) SSID Name SSID Hate Encryption Type	= On = Off = On = Off = On = Off = On = Off true_home5S_bdk = On = Off WPA2-PSK-AES •	 SSID2 (249He) SSID1 (249He) SSID2 (249He) SSID5 (39He) SSID Name SSID Hate Encystem Type 	On OH On OH On OH On OH Twe_home5G_bds On OH WFA/WPA2-PSK.TK(P/AES ¥	
SSID3 (2.45Hp) SSID3 (2.45Hp) SSID4 (2.45Hp) SSID5 (SGHp) SSID Name SSID Hate Encryption Type WPA Peophrase	On = Off On = Off On = Off On = Off e On = Off true_home&S_bdx On = Off WPA2-PSK-AES TQYTR87A	 SSID2 (249He) SSID1 (249He) SSID2 (249He) SSID5 (39He) SSID Name SSID Hate Encryption Type WPA Passphrase 	On OH On OH On OH On OH Twe_home5G_bds On OH WFA/WPA2-PSK.TK[P/AES ¥ 7QY7R97A	
SSID3 (2.45Hp) SSID3 (2.45Hp) SSID4 (2.45Hp) SSID5 (SGHp) SSID Name SSID Hate Encryption Type WPA Pessphrase WPAGroupRekey Time	On = Off On = Off On = Off On = Off e On = Off e On = Off true_home⪼_bok On = Off WPA2-PSK-AES P TQYTR97A 1800	 SSID2 (249He) SSID3 (249He) SSID5 (249He) SSID5 (39He) SSID Name SSID Hate Encrystian Type WPA Passphrase WPAGroupRekay Time 	On OH On OH On OH On OH Twe_home5G_bds On OH WFA/WPA1-PSK.TKIP/AES ¥ 7QY7R97A 1800	

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
---	------	-----------	-------	-------

SSID1.(2.49H#)	# On ⇒ OH	■ SSID1(2,4984) + OH = OH
SSID Name	true_home2G_bdc	SSID Name true_home2G_bdc
SSID Hide	© On * Off	SSID Hide O On # Off
Encryption Type	WEP-OperSystem *	Encryption Type WEP-OpenSystem *
WEF Key Index	1 *	WEP Key Index 1 *
WEP Key1	11111	WEP Key1 [1111]
WEP Key2	22222	WEP Key2 22222
WEP Key3	33333	WEP Key 3 33333
WEP Key4	44444	WEP Key4 44444
Maximum Clients	32	Maximum Clienta 32
SSID3 (2.4GHz)	0n = 0 1	SSID3 (2494) On + ON
SSID3 (2.4GHz) SSID3 (2.4GHz) SSID4 (2.4GHz) SSID5 (5.6Gz)	- On - Off - On - Off - On - Off	SID1/24020 SID1/24020 On + OH SID1/24020 On + OH
55804.12.458941 55804.12.458941 55805.156894	- On - Off - On - Off - On - Off + On - Off	SID2/24020 SID2/24020 SID2/24020 SID2/24020 Cn Cn
SSID3 (2.4GHp) SSID3 (2.4GHp) SSID3 (2.4GHp) SSID3 (5GHp) SSID Name	Ch CH Ch CH Ch CH Ch CH Ch CH true,home50,bdc	> SSID3 (24595) On + 08 > SSID4 (24595) On + 08 > SSID4 (24595) On = 04 > SSID5 (5595) # On + 04 SSID Name true_home50_bdc
SSID: (24GHp) SSID: (24GHp) SSID: (24GHp) SSID: SSID: SSID: SSID: SSID: Name SSID: Name	Cn CH Cn CH Cn CH Cn CH Cn CH true, home50, bdc Cn Ch CH Ch Ch CH	• SSID3 (24595) On + 0H • SSID4 (24595) On + 0H • SSID4 (24595) On + 0H • SSID5 (55Hs) # On + 0H SSID Name true_home50, bdc SSID Hide 0 On + 0H
SSD3 (24GHp) SSD3 (24GHp) SSD3 (24GHp) SSD3 (24GHp) SSD3 (24GHp) SSD3 Hame SSD Hame Encryption Type	Cn CH Cn CH Cn CH Cn CH Cn CH True, home5G, bdc On CH WEP-OpenSystem	SSID3 (24595) On + DH SSID3 (24595) On + DH SSID4 (24595) On + DH SSID4 (24595) On + DH SSID 515545 # On + DH SSID Name true, home50, bdc SSID Hide 0 On + OH Encryption Type WEP-OperSystem
SSID1/24GHp SSID1/24GHp SSID4/24GHp SSID5/5GHp SSID Name SSID Name SSID Hide Encryption Type WEP Key Index	Cn CH Cn CH Cn CH Cn CH Cn CH Cn CH True, home50, bdc On CH WEP-OpenSystem 2 2	SSID3 (24595) On + DH SSID3 (24595) On + DH SSID4 (24595) On + DH SSID4 (24595) On + DH SSID5 (5595) On + DH SSID Name true, home50, bdc SSID Hide On + OH Encryption Type WEP-OperSystem WEP Key Index 2 T
SSID1-(246Hp) SSID1-(246Hp) SSID1-(246Hp) SSID5-(56Hp) SSID Name SSID Hate Encryption Type WEP Key Index WEP Key I web x - 5	Cn CH Cn CH Cn CH Cn CH Cn CH Cn CH True, home5G, bdc On CH WEP-OpenSystem 2 2 ¥ 11111 1111	SID3 (24595) On + OH SID3 (24595) On + OH SID4 (24595) On + OH SID4 (24595) On + OH SID5 (5595) + On + OH SID Name true,home50,bdc SID Hide On + OH Procyption Type WEP-OperSystem WEP Key Index 2 VEP Key Index SID
SSID1 (2 46Hp) SSID1 (2 46Hp) SSID1 (2 46Hp) SSID5 (56Hp) SSID Name SSID Name SSID Hole WEP Key Index WEP Key1 WEP Key2 WEP Key3	Cn CH Cn CH Cn CH Cn CH Cn CH Cn CH Cn CH Ch CH CH CH CH CH CH CH CH CH CH CH CH CH C	• SSID3 (24595) On + OH • SSID4 (24595) On + OH • SSID4 (24595) On + OH • SSID5 (5595) # On + OH SSID Name true, home50, bdc SSID Hide 0 On + OH Procyption Type WEP-OperSystem WEP Key1 11111 WEP Key2 22222 WEP Key3 23333
SSID1/24GHp SSID1/24GHp SSID4/24GHp SSID4/24GHp SSID5/5GHp SSID Name SSID Hole Encryption Type WEP Key Index WEP Key 1 WEP Key 3 WEP Key 3 WEP Key 3	Cn CH Cn CH Cn CH Cn CH Cn CH Cn CH Cn CH Ch CH Ch CH CH CH CH CH CH CH CH CH CH CH CH CH C	• SSID3 (24595) On + DH • SSID4 (24595) On + DH • SSID4 (24595) On + DH • SSID4 (24595) Home - DH • SSID5 (5595) # On + DH SSID Hame true, home50, bdc SSID Hame WEP-OperSystem WEP Key1 11111 WEP Key2 22222 WEP Key3 33333 WEP Key4 44444
SSID1/24GHp SSID1/24GHp SSID4/24GHp SSID5/SGHp SSID5/SGHp SSID Hole Encryption Type WEP Key Index WEP Key1 WEP Key2 WEP Key4 MEP Key4 MEP Key4	Cri CVI Cri CVI Cri CVI Cri CVI Cri CVI CVI CVI CVI CVI CVI CVI CVI CVI CVI CVI CVI	• SSID3 (24525) On + DH • SSID4 (24525) On + DH • SSID4 (24525) On + DH • SSID4 (24525) On + DH • SSID5 (SSH4) # On + DH SSID Harme true, home50, bdc SSID Hide 0 On + OH Procryption Type WEP-OpenSystem WEP Key1 11111 WEP Key2 22222 WEP Key3 33333 WEP Key4 44444 Mexmer Claster 12



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

VLAN	WLAN Basic	WLAN Advanced	WLAN Radar	r i i i i i i i i i i i i i i i i i i i
AN				
Routing	- Assess Control M	ada Cankanatian		
JPnP	Access Control-Ivio	ode configuration		
DNS	SSID1	® No Filter O Black Lis	t 🔍 White List	WiFi 2.4GHZ
	SSID2	No Filter Black Lis	t 🔍 White List	
	SSID3	No Filter O Black Lis	t © White List	
	SSID4	🔹 No Filter 🛛 🛛 Black Lis	t 🔍 White List	
	SSID5	No Filter Ø Black Lis	t 🔍 White List	WiFi 5GHZ
	SSID6	No Filter O Black Lis	t 🍳 White List	
	SSID7	No Filter O Black Lis	t 🔍 White List	
	SSID8	🔹 No Filter 🛛 🛛 Black Lis	t 🔍 White List	

Access Control-Rule Configuration



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

New Item	Ê	BokNet2.4		Û
Name SSID MAC Address	BokNet2.4 1 SSID1 2 aa: bb: cc: dd: ee: ff 3	Name SSID MAC Address	BokNet2.4 SSID1 aa: bb: cc: dd: ee: ff	
	4 Apply Cancel	•	Apply Cancel	
New Item ••••	4 Apply Cancel	BokNet5	Apply Cancel	1
New Item •••• Name SSID MAC Address	4 Apply Cancel BokNet5 SSID5 T aa: bb: cc: dd: ee: ff	BokNet5 Name SSID MAC Address	Apply Cancel BokNet5 SSID5 aa: bb: cc: dd: ee: ff	1

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

WLAN	WLAN Basic	WLAN Advanced	WLAN Ra	dar	
AN					
Routing	- WIAN Radas (2.40)				
UPnP	 WLAN Radar (2.4G) 				
DNS	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
	@ TRUEWIEI	-59 dBm	00-21-64-99-71	11	ban

-63 dBm

Refresh

b,g,n

WLAN Radar (5G)

Docsis2

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

20:25:64:2d:84:... 7

Refresh