How to set up AP in WizFi210

1. F/W upgrade to 1.1.0.0(W)

 \rightarrow How to upgrade F/W?

A. Open WIZSmartScript

(Code : WizFi-Code and Key : ODVE-NJLG-QKE4-QUQ0-MZFB-MEVE)

📽 WIZSmartScript - (c)2010 WIZnet, All Rights Reserved. 🛛 📮 💌					
Model WizFi210 Group A. Basic R Script 1. Module Information	Microsoft Windows [版本 6. 1. 7601]				
Start Script	Copyright (c) 2009 Microsoft Corporation. All rights rese C:\Users\Mark Yu\Desktop\WIZnet\WIZFI210\4. WIZSmartScript				
Flash Write	C:\Users\Mark Yu\Desktop\WIZnet\WIZFI21 b \4. WIZSmartScript				
Factory Default					
Module Version					
Basic Test					
COM SSID					
Baud 115200 💽 KEY 💽					
IP					
Gateway					
	Clear Console(When Script Start) V Auto Scroll				
MAC	Clear History Clear Console Exit				

B. Setting COM port

📽 WIZSmartScript - (c)2010 WIZnet, All Rights Reserved. – 📼 🗙					
Model WizFi210					
Group A. Basic 🔽 R					
Script 1. Module Information	Microsoft Windows [版本 6.1.7601]				
Start Script	C:\Users\Mark Yu\Desktop\WIZnet\WIZFI210\4. WIZSmartScript				
Flash Write	C:\Users\Mark Yu\Desktop\WIZnet\WIZFI210\4. WIZSmartScript				
Factory Default					
Module Version					
Basic Test					
COM 2 ~ 9610 ~ Baud IEY ~					
Gateway 🔄					
Connection					
	Clear Console(When Script Start) 🔽 Auto Scroll				
MAC	Clear History Clear Console Exit				

C. Choose A.Basic and 1.Module Information and Click "Start Script" button, Check F/W version

🛠 WIZSmartScript - (c)2010 WIZnet, All Rights Reserved. 🗕 🗖 🗙					
	ОК				
Model WizFi210	U.V.				
Group A. Basic 💽 R					
Script 1. Module Information	AT-VER=? S217 APP VERSION=2.2.4				
Start Script	S2 V GEPS VERSION=2.2.4 S2 V WLAN VERSION=2.0.21 [04				
Flash Write	AT+NMAC=? 00:08:dc:17:3f.c2				
Factory Default	[OK] 				
Module Version	0:08:dc:17:3f:c2 [OK]				
Basic Test	AT12 WizFi210				
	1.0.0.2 [ОК] F/W version (1.0).0.2)			
COM 2 SSID					
Baud 115200 - KEY -					
IP					
Gateway					
Connection					
	🔽 Clear Console(When Script Start) 🛛 🔽 Auto Scroll				
MAC	Clear History Clear Console Exit				
		12			

PS: If the F/W version of WizFi210 is 1.1.0.0(W), user did not need to download one more time. Ignore step 1(D to L)

- D. Power OFF
- E. SW1 change to PROG mode(EVB)



Old version EVB:

Figure 9. Interface

New version EVB:



- F. Power ON
- G. Choose U.JIG(User) and 2.Flash Write(WLAN, APP, Clear) and Click "Start Script" button

💥 WIZSmartScript - (c)2010 WIZnet, All Rights Reserved. 🛛 📮 📼 🗴					
	: []	: 5	1	ОК	
Model Wiz	Fi210	*			
Group U. J	IG(User)	*	R		
Script 2. Fl	ash Write(WL/	AN, APP, C 💌		C:\Users\Mark Yu\Desktop\WIZnet\WIZFI210\4. WIZSmartScript(1.1.0.) > Erase started	
	Start Scri	pt		Erased WF! Programming WLAN Flash (WF) with file .\\AppFWFile\\WFW.bin	
	Flash Wri	te		C:\Users\Mark Yu\Desktop\WIZnet\WIZFI210\4. WIZSmartScript(1.1.0.	
	Factory De	fault		Writing the APP firmware.	
Module Version			C:\Users\Mark Yu\Desktop\WIZnet\WIZFI210\4. WIZSmartScript(1.1.0. > Erase started		
	Basic Test			Erased AF1! ====================================	
			-	Erased AF0! Programming APP Flash 1 (AF1) with file .\\AppFWFile\\s2w-app2.bin	
сом 2	- SSID		+	Programming APP Flash 0 (AF0) with file .\\AppFWFile\\s2w-app1.bin	
Baud 1152	200 - KEY		Ŧ	C:\Users\Mark Yu\Desktop\WIZnet\WIZFI210\4. WIZSmartScript(1.1.0.	
IP			Writing the firmware is completed.		
Gateway			-	▼	
Connection			-		
			-	🔽 Clear Console(When Script Start) 🛛 🔽 Auto Scroll	
MAC			-	Clear History Clear Console Exit	

- H. Power OFF after finished.
- I. SW1 change to RUN mode(EVB) Old version EVB:



Figure 9. Interface



New version EVB:

J. Power ON

K. Open Mini terminal and input AT command "AT+NMAC=00:08:dc:xx:xx:xx".

Setup Settings Port Baud rate Data bits Stop bits Flow control	0M2 • 115200 • 3 • I • Vone • OK Cancel			
AT+NMAC=00:	(C) Transfer (D) Help (H)]		
Connected	115200, 8-None-1, None	Capture : OFF	(, rx () tx

L. Choose A.Basic and 1.Module Information and Click "Start Script" button, Check MAC address and F/W version

WIZSmartScript - (c)2010 WIZnet,	All Rights Reserved 🗆 🗙	
	ок	
Group A Basic	1	
Script 1 Module Information	A T+VER=?	
Start Script	2W APP VERSION=2.3.1 2W GEPS VERSION=2.3.1 2W WLAN VERSION=2.0.27	
Flash Write	AT+NMAC=? 00:08:de:11:22:33	C address
Factory Default	AT+NMAC2=?	
Module Version	00:08:dc:11:22:33 [OK]	
Basic Test	WizFi210	
		ersion
COM 2 SSID		
Baud 115200 - KEY		
IP		
Gateway		
Connection		
	🔽 Clear Console(When Script Start) 🛛 🔽 Auto Scroll	
MAC	Clear History Clear Console Exit	

2. Set up AP in WizFi210 test(TCP Server mode)

\rightarrow How to test?

A. Open Serial program

S	Setup			x	Ŋ		
	Settings Port Baud rate Data bits Stop bits Parity Flow control	CDM2 115200 8 1 None None OK	Ca	V V V V			
	📕 Mini Term					 	
	File (F) Config	gure (C) T	ransfer (T)	Help ((H)		
ł	E, E, to to t	7					

📕 Mini Term		-		 X
File (F) Configure	(C) Transfer (T)	Help (H)		
•				4
Connected	115200, 8-Non	e-1, None	Capture : OFF	RX TX

B. Use AT commands to set up AP in WizFi210(TCP Server)

Mini Term	
File (E) Configure (C) Transfer (T) Help (H)	
₽ <u>\$</u>	
[ov]	*
AT&F	
[OK]	
AT+WD	
[OK]	
AT + WM = 2	
[OK]	
AT+WAUTH=2	
[OK]	
AT+WWEP1=1234567890	
[OK]	
AT+NDHCP=0	
[OK]	
AT+NSET=192.168.12.1,255.255.255.0,192.168.12.1	
[OK]	
AT+WA=WizFi210	
IP SubNet Gateway	
192.168.12.1: 255.255.255.0: 192.168.12.1	
[OK]	
AT+NAUTO=1,1,,3000	
[OK] ICP Server setting	
ATA2	
[OK]	Ψ
	4
Connected 115200, 8-None-1, None Capture : OFF	🔘 RX 🕲 TX

C. PC connect to AP(WizFi210)

日前連续到	£4 *				
ー前/2-agg). wiznet 2 網際網路存取	1				
無線網路連線	^				
wiznet	已經連線 📶				
szepak	lite.				
Guest Network					
WizFi210	lie.				
Osprey_WiFi	名稱: WizFi210 信號強度: 非常好				
VedbeckConcepts	安全性類型: WEP 無線電波類型: 802.1	1b			
YP-HKSP	SSID: WizFi210				
nordic	ail -				
開啟網路和	1共用中心				
		-	X		
2" 建線到網路					
輸入網路安全性金鐘	2. 20 77			_	
安全性金錆(S): 12	234567890				
	隱藏字元(<u>H</u>)			>	WEP Key1: 1234567890
				L	
		確定	取消		

D. After PC connected to AP(WizFi210), please set PC use static IP(192.168.12.xxx) and subnet mask(255.255.255.0).

目前連線到: 正在辨識 (WizF 無網際網路存取	i210)			
無線網路連線	^			
WizFi210	已經連線 📶 💡			
wiznet	名稱: WizFi210 信號弹度: 非常好			
szepak	安全性類型: WEP 毎線南波類刑: 802 11b			
Guest Network	新福氏(文) 新華: 802.110 SSID: WizFi210			
VedbeckConcepts	- 10-			
YP-HKSP	at l			
Osprey_WiFi	-atl			
nordic	.at 💌			
開歐網路和共用中心				

am 無線網路連線 狀態		/ 網際網路通訊協定第 4 版 (TCP/IPv4) - 內容
	網路功能 共用 連線方式:	
連線 IPv4連線能力: 無網路存取	😰 Broadcom 802.11n Network Adapter	如果您的網路支援這項功能,您可以取得自動指派的 IP 設定。否则,您必須詢問網路系統管理員正確的 IP 設定。
1770 建設定力: 無約64分取 媒體狀態: 已飲用 SSID: WizFi210		◎ 自動取得 IP 位址(0)
連線時間: 00:56:21 速度: 11.0 Mbps	✓ Tchent for Microsoft Networks ✓ ■ QoS 封包排程器 ✓ ■ File and Printer Sharing for Microsoft Networks	● 使用「2900 II 12-112-112-112-112-112-112-112-112-112-
訊號品質: 詳細資料(E) 無線內容(W)	 ✓ ▲ 網際網路通訊協定第6版 (TCP/IPv6) ✓ ▲ 網際網路通訊協定第4版 (TCP/IPv4) ✓ 網際網路通訊協定第4版 (TCP/IPv4) 	〒和時級早世: 255.255.00 預設開道(□):
活動	Link-Layer Topology Discovery Responder Link-Layer Topology Discovery Responder	 ● 自動取得 DNS (伺服器位址(B) ● 使用下列的 DNS (伺服器位址(E):
	安装(N) 解除安装(U) 內容(R) 描述	(費用 DNS (司服器)(2): 其他 DNS (司服器(A):
(愛內容(?) (愛停用(D)) 診斷(G)	傳輸控制通訊協定律師將納路通訊協定(TCP/IP)。這是預 詩的廣域網路通訊協定,提供不同網路之間的通訊能 力。	□結束時確認設定① 進階(型)…
[]	確定取消	

E. Ping test: PC IP: 192.168.12.100 → ping 192.168.12.100 -t

C:\Windows\system32\cmd.exe - ping 192.168.12.100 -t	Γ
Microsoft Windows [版本 6.1.7601] Copyright (c) 2009 Microsoft Corporation. All rights reserved.	
C:\Users\Mark Yu>ping 192.168.12.100 -t	
Ping 192.168.12.100 <使用 32 位元組的資料>: 回覆自 192.168.12.100: 位元組=32 time<1ms TTL=128	
回覆自 192.168.12.100: 位元組=32 time<1ms TTL=128 回覆自 192.168.12.100: 位元組=32 time<1ms TTL=128	
回復日 192.168.12.100: 位元組=32 time<1ms IIL=128 回覆自 192.168.12.100: 位元組=32 time<1ms TTL=128 回覆白 192 168 12 100: 位元組=32 time<1ms TTL=128	
回覆自 192.168.12.100: 位元組=32 time<1ms TTL=128 回覆自 192.168.12.100: 位元組=32 time<1ms TTL=128	
回覆自 192.168.12.100: 位元組=32 time<1ms TTL=128 回覆自 192.168.12.100: 位元組=32 time<1ms TTL=128	
回複目 192.168.12.100: 位元組=32 time<1ms TTL=128 -	
-	

AP IP: 192.168.12.1 → ping 192.168.12.1 -t

C: Users Mark Yu>ping 192.168.12.1 -t Ping 192.168.12.1 (使用 32 位元組的資料): 回覆自 192.168.12.1: 位元組-32 時間=4ms TIL=255 回覆自 192.168.12.1: 位元組=32 時間=7ms TIL=255 回覆自 192.168.12.1: 位元組=32 時間=2ms TIL=255 回覆自 192.168.12.1: 位元組=32 時間=4ms TIL=255 回覆自 192.168.12.1: 位元組=32 時間=4ms TIL=255 回覆自 192.168.12.1: 位元組=32 時間=4ms TIL=255	C:\Windows\system32\cmd.exe - ping 192.168.12.1 -t
Ping 192.168.12.1 (使用 32 位元組的資料): 回覆自 192.168.12.1: 位元組=32 時間=4ns TIL=255 回覆自 192.168.12.1: 位元組=32 時間=7ns TIL=255 回覆自 192.168.12.1: 位元組=32 時間=3ns TIL=255 回覆自 192.168.12.1: 位元組=32 時間=8ns TIL=255 回覆自 192.168.12.1: 位元組=32 時間=2ns TIL=255	C:\Users\Mark Yu>ping 192.168.12.1 -t
回覆自 192.168.12.1: 位元組=32 時間=2ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=2ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=2ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=4ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=2ms TTL=255	Ping 192.168.12.1 <使用 32 位元組的資料>: 回覆自 192.168.12.1: 位元組=32 時間=4ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=7ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=8ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=3ms TTL=255
回覆白 192.168.12.1: 位元組=32 時間=2ms TTL=255 回覆白 192.168.12.1: 位元組=32 時間=2ms TTL=255 回覆白 192.168.12.1: 位元組=32 時間=4ms TTL=255 回覆白 192.168.12.1: 位元組=32 時間=2ms TTL=255	回覆自 192.168.12.1: 位元組=32 時間=2ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=8ms TTL=255
回覆目 192.168.12.1: 位元組=32 時間=2ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=4ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=2ms TTL=255	回覆首 192.168.12.1: 位元組=32 時間=2ms TTL=255
□覆目 192.168.12.1: 位元組=32 時間=2ms TTL=255	回複目 192.168.12.1: 位元組=32 時間=2ms TTL=255 回覆自 192.168.12.1: 位元组=32 時間=4ms TTL=255
	回覆自 192.168.12.1: 位元組=32 時間=2ms TIL=255

F. Open TCP Client test program and connect to 192.168.12.1(AP's IP) by using port number 3000.

Thercules SETUP utility by HW-group.com	
UDP Setup Serial TCP Client TCP Server UDP Test Mode About	
Received/Sent data	TCP Module IP Port 192.168.12.1 3000 Ping A Connect
	TEA authorization TEA key 1: 01020304 3: 090A0B0C 2: 05060708 4: 0D0E0F10 Authorization code PortStore test NVT disable Received test data Received test data
Send	
hello	Send HUgroup
☐ HEX	Send www.HW-group.com
L HEX	Send Version 3.2.4
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About	
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received/Sent data Connecting to 192.168.12.1 Connected to 192.168.12.1	TCP Module IP 192.168.12.1 Ping X Disconnect
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received/Sent data Connecting to 192.168.12.1 Connected to 192.168.12.1	TCP Module IP 192.168.12.1 3000 Ping Disconnect TEA authorization TEA key 1: 01020304 3: 090A0B0C 2: 05060708 4: 0D0E0F10 Authorization code PortStore test NVT disable Received test data Redirect to UDP
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received/Sent data Connecting to 192.168.12.1 Connected to 192.168.12.1 Send	TCP Module IP 192.168.12.1 Jood Ping X Disconnect TEA authorization TEA key 1: 01020304 2: 05060708 4: 0D0E0F10 Authorization code PortStore test NVT disable Received test data Redirect to UDP
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received/Sent data Connecting to 192.168.12.1 Connected to 192.168.12.1 Send hello HEX	TCP Module IP 192.168.12.1 Jood Ping X Disconnect TEA authorization TEA key 1: 01020304 2: 05060708 4: 0D0E0F10 Authorization code PortStore test NVT disable Received test data Redirect to UDP Send Send Send Send Yersion 3.2.4

G. Serial to WiFi and WiFi to Serial test:

Mini Term	🎨 Hercules SETUP utility by HW-group.com	- • • ×
File (F) Configure (C) Transfer (T) Help (H)	UDP Setup Serial TCP Client TCP Server UDP Test Mode About	
₽. ₽. 3	Received/Sent data Connecting to 192.168.12.1	Module IP Port
[OK] ATAF	helloHELLO	192.168.12.1 3000
[0K]		Ping X Disconnect
AT+WD		
[OK]		TEA authorization
A 1 + WM=2		TEA key
LON] AT+WAHTH=2		1: 01020304 3: 090A0B0C
[OK]		2 05060708 A: 0D0E0E10
AT+WWEP1=1234567890		
[OK]		Authorization code
AT + NDHCP = 0		
[OK]		
AT+NSET=192.168.12.1,255.255.255.0,192.168.12.1		PortStore test
		NVT disable
TD SubNet Gateway		
192.168.12.1 · 255.255.255.0 · 192.168.12.1		Heceived test data
IOK1		
AT+NAUTO=1,1,,3000		Redirect to UDP
[OK]	Send	
ATA2		Sand I IIIII
		Genu HLDgroup
hello	T HEX	Send www.HW-group.com
		Hercules SETUP utility
Connected 115200, 8-None-1, None Capture : OFF	□ HEX_	Send Version 3.2.4

3. Set up AP in WizFi210 test(TCP Client mode)

\rightarrow How to test?

A. Open Serial program

Setup	×		
- Settings Port Baud rate Data bits Stop bits Parity Flow control	CDM2 • 115200 • 8 • 1 • None • None •		
Mini Term File (F) Configure	(C) Transfer (T) Help (H)		
<	115200, 8-None-1, None	Capture : OFF	Ø RX Ø TX

B. Use AT commands to set up AP in WizFi210(TCP Client)

Mini Term	- - X
File (F) Configure (C) Transfer (T) Help (H)	
₽\$\$ ₽\$ <mark>\$</mark> 2	
[OK]	
AT+WD [OK]	
AT+WM=2	
AT+WAUTH=2	
[OK] AT+WWEP1=1234567890	
[OK] AT+NDHCP=0	
[OK]	
[OK]	
AT+WA=WizFi210 IP SubNet Gateway	
192.168.12.1: 255.255.255.0: 192.168.12.1	_
$\frac{AT+NAUTO=0, 1, 192.168.12.100, 3000}{TCP} \longrightarrow TCP Client setting$	
	•
Connected 115200, 8-None-1, None Capture : OFF	🔘 RX 🎯 TX

C. PC connect to AP(WizFi210)

目前連線到:	* , ^			
wiznet 2 網際網路存取				
無線網路連線	^			
wiznet	已經連線 📶 💡			
szepak	lin.			
Guest Network	lite			
WizFi210	lle.			
Osprey_WiFi	名稱: WizFi210 信號強度: 非常好	-		
VedbeckConcepts	安全性類型: WEP 無線電波類型: 802.11k			
YP-HKSP	SSID: WizFi210			
nordic	- In-			
開啟網路和	1共用中心			
		1		
🔮 連線到網路		×]	
輸入網路安全性金	論			
安全性金錆(<u>S</u>):	1234567890 同		> W	EP key1: 1234567890
		確定 取消		

D. After PC connected to AP(WizFi210), please set PC use static IP(192.168.12.100)(Server IP) and subnet mask(255.255.255.0).



Jrff 無線網路連線 狀態 🛛 🕹	# MUNICIPALITY	網際網路通訊協定第4版 (TCP/IPv4) - 內容
	網路功能 共用	
連線 ⅡPv4 連線能力: 無網路存取	Broadcom 802.11n Network Adapter	如果您的網路支援這項功能,您可以取得自動指派的 IP 設定。否则,您必須詢問網路系統管理員正確的 IP 設定。
IPv6 連線能力: 無網路存取 媒體狀態: 已取用 SSID: ₩vEf210		◎ 自動取得 IP 位址 (2)
連線時間: 00:56:21 速度: 11.0 Mbps	 ✓ 【Client for Microsoft Networks ✓ 具QoS 封包排程器 ✓ 具用 and Printer Sharing for Microsoft Networks 	◎ 使用下列的 IP 位址(2): IP 位址(1): 192.168.12.100
訊號品質: 詳細資料(E) 無線內容(W)	 ✓ ▲ 網際網路通訊協定第 6 版 (TCP/IPv6) ✓ ▲ 網際網路通訊協定第 4 版 (TCP/IPv4) 	子網路進罩(11): 255.255.0 預設開道(12):
活動	 ✓ ▲ Link-Layer Topology Discovery Mapper I/O Driver ✓ ▲ Link-Layer Topology Discovery Responder 	● 自動取得 DNS 伺服器位址(E)
日傳法 ― 日収到 ― 日収到 」	安装(N) 解除安装(U) 内容(R) 描述	(慣用 DNS 伺服器 (2):
· (愛內容化) (愛停用の) 診斷(G)	傳輸控制通訊協定/網際網路通訊協定 (TCP/IP)。這是預 設的廣域網路通訊協定,提供不同網路之間的通訊能 力。	具で DNS 101版 谷(Δ):
Indepation (10世元 取消	竹锥 疋 丸以月

E. Ping test: PC IP: 192.168.12.100 → ping 192.168.12.100 -t

🔤 C:\Windows\system32\cmd.exe - ping 192.168.12.100 -t	J
Microsoft Windows [版本 6.1.7601] Copyright (c) 2009 Microsoft Corporation. All rights reserved.	
C:\Users\Mark Yu>ping 192.168.12.100 -t	
Ping 192.168.12.100 <使用 32 位元組的資料>: 回覆自 192.168.12.100: 位元組=32 time<1ms TTL=128 回覆自 192.168.12.100: 位元組=32 time<1ms TTL=128 回覆自 192.168.12.100: 位元組=32 time<1ms TTL=128 回覆自 192.168.12.100: 位元組=32 time<1ms TTL=128 回覆自 192.168.12.100: 位元組=32 time<1ms TTL=128	
回覆自 192.168.12.100: 位元組=32 time<1ms TIL=128 回覆自 192.168.12.100: 位元組=32 time<1ms TIL=128	

AP IP: 192.168.12.1 → ping 192.168.12.1 -t

C: Users Mark Yu>ping 192.168.12.1 -t Ping 192.168.12.1 (使用 32 位元組的資料): 回覆自 192.168.12.1: 位元組-32 時間=4ms TIL=255 回覆自 192.168.12.1: 位元組=32 時間=7ms TIL=255 回覆自 192.168.12.1: 位元組=32 時間=2ms TIL=255 回覆自 192.168.12.1: 位元組=32 時間=4ms TIL=255 回覆自 192.168.12.1: 位元組=32 時間=4ms TIL=255 回覆自 192.168.12.1: 位元組=32 時間=4ms TIL=255	C:\Windows\system32\cmd.exe - ping 192.168.12.1 -t
Ping 192.168.12.1 (使用 32 位元組的資料): 回覆自 192.168.12.1: 位元組=32 時間=4ns TIL=255 回覆自 192.168.12.1: 位元組=32 時間=7ns TIL=255 回覆自 192.168.12.1: 位元組=32 時間=3ns TIL=255 回覆自 192.168.12.1: 位元組=32 時間=8ns TIL=255 回覆自 192.168.12.1: 位元組=32 時間=2ns TIL=255	C:\Users\Mark Yu>ping 192.168.12.1 -t
回覆自 192.168.12.1: 位元組=32 時間=2ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=2ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=2ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=4ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=2ms TTL=255	Ping 192.168.12.1 <使用 32 位元組的資料>: 回覆自 192.168.12.1: 位元組=32 時間=4ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=7ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=8ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=3ms TTL=255
回覆白 192.168.12.1: 位元組=32 時間=2ms TTL=255 回覆白 192.168.12.1: 位元組=32 時間=2ms TTL=255 回覆白 192.168.12.1: 位元組=32 時間=4ms TTL=255 回覆白 192.168.12.1: 位元組=32 時間=2ms TTL=255	回覆自 192.168.12.1: 位元組=32 時間=2ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=8ms TTL=255
回覆目 192.168.12.1: 位元組=32 時間=2ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=4ms TTL=255 回覆自 192.168.12.1: 位元組=32 時間=2ms TTL=255	回覆首 192.168.12.1: 位元組=32 時間=2ms TTL=255
□覆目 192.168.12.1: 位元組=32 時間=2ms TTL=255	回複目 192.168.12.1: 位元組=32 時間=2ms TTL=255 回覆自 192.168.12.1: 位元组=32 時間=4ms TTL=255
	回覆自 192.168.12.1: 位元組=32 時間=2ms TIL=255

😵 Hercules SETUP utility by HW-group.com	- C X
UDP Setup Serial TCP Client TCP Server UDP Test Mode About	
Received data	Server status
	Port
	3000 <u> A</u> Listen
•	TEA authorization
	TEA key
	1: 01020304 3: 090A0B0C
	2: 05060708 4: 0D0E0F10
, Sent data	Client authorization
	Client connection status
	Clients count: 0
ا اSend	
	Send
	www.HW-group.com
HEX Decimal Decoder Input	Hercules SETUP utility
Redirect to UDP	Version 3.2.4
S Hercules SETUP utility by HW-group.com	
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About	
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received data	Server status
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received data	Server status
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received data	Server status Port 3000 X Close
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received data	Server status Port 3000 Close TCA autimization
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received data	Server status Port 3000
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received data	Server status Port 3000
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received data	Server status Port 3000
	Server status Port 3000 X Close TEA authorization TEA key 1: 01020304 2: 05060708 4: 0D0E0F10 Client authorization
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received data Sent data	Server status Port 3000 Close Close Close Close Client authorization Client connection status
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received data Sent data	Server status Port 3000 Client authorization Client connection status
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received data Sent data	Server status Port 3000 Close Close Close Close Close Client authorization Client connection status Client connection status
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received data Sent data	Server status Port 3000 Close Close Close Client authorization Client connection status
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received data Sent data	Server status Port 3000
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received data Sent data	Server status Port 3000 Close
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received data Sent data	Server status Port 3000 Client authorization Client connection status Clients count: 0
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received data Sent data Send HEX	Server status Port 3000 Client authorization Client connection status Clients count: 0 Send
	Server status Port 3000 Close Client authorization Client connection status Clients count: 0 Send UUULINGGroup VVVV.HW-group.com
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received data Sent data Sent data Send Lursor decode HEX Decimal Decoder Input Server settings	Server status Port 3000 Close Client authorization Client connection status Clients count: 0 Send USEN Client Client Clients Client Cli
Hercules SETUP utility by HW-group.com UDP Setup Serial TCP Client TCP Server UDP Test Mode About Received data Sent data Sent data Send Lucror decode HEX Decimal Decoder Input Server settings HEX Decimal Decoder Input Server settings	Server status Port 3000 Close Client authorization Client connection status Clients count: 0 Send

F. Open TCP Server test program and Listen port number 3000.

G. Use AT commands "ATA2" to connect to Server(PC)

🚄 Mini Term	
File (E) Configure (C) Transfer (I) Help (H)	
[OK]	
AT&F FOK1	
AT+WD	
[OK] AT+WM=2	
[OK]	
AT+WAUTH=2 [OK]	
AT + WWEP1=1234567890	1
AT + NDHCP = 0	
[OK] AT+NSET=192.168.12.1.255.255.255.0.192.168.12.1	
[OK]	
AT+WA=WizFi210 IP SubNet Gatewav	
192.168.12.1: 255.255.255.0: 192.168.12.1	
[ОК] АТ+NAUTO=0,1,192.168.12.100,3000	
[OK]	
Connected 115200 &-None-1 None Canture : OFF	
😵 Hercules SETUP utility by HW-group.com	
UDP Setup Serial TCP Client TCP Server UDP Test Mode About	
Received data	- Server status
	Port
	3000 🗶 Close
	TEA authorization
	1.01020204 2.09040000
	0.05000700 4.05050510
	2: 05060708 4: 0000E0F10
Sent data	Client authorization
	Client connection status
	10:45:34 AM: 192.168.12.1 Client c
	Clients count: 0
	Clients count: 0
Send	Clients count: 0
Send	Clients count: 0
Send	Clients count: 0
Send Cursor decode HEX Decimal Decoder Input Server settings Server echo	Clients count: 0 Send HUUgroup www.HW-group.com Hercules SETUP stility

H. Serial to WiFi and WiFi to Serial test:

Mini Term	No Hercules SETUP utility by HW-group.com	
File (D. Configure (C) Transfer (D) Hele (H)	UDP Setup Serial TCP Client TCP Server UDP Test Mode About	
	Received data	
[롼》 롼× 😗	HELLO	Port
[OK]		3000 X Close
AT&F		
[OK]		TEA authorization
AT+WD		TEA key
[OK]		1: 01020304 3: 09040B0C
AT+WM=2		
[OK]		2: 05060708 4: 0D0E0F10
AT+WAUTH=2		
[OK]	Sent data	Client authorization
AT+WWEP1=1234567890	hello	er i i i
[OK]		Lilent connection status
AT+NDHCP=0		10:45:34 AM: 192.168.12.1 Client c
[OK]		
AT+NSET=192.168.12.1,255.255.255.0,192.168.12.1		
[0K]		
AT+WA=W1ZF1210		
IP SubNet Gateway		
192.168.12.1: 255.255.255.0: 192.168.12.1		
		Clients count: 0
AT+NAUIO=0,1,192.168.12.100,3000		
	Send	
ATA2	hello 🗆 HEX	Send
helle		group
nerro	Cursor decode Server settings	www.HW-group.com
	HEX Decimal Decoder Input Server echo	Hercules SETUP utility
Connected 115200, 8-None-1, None Capture : OFF	4F 79 Redirect to UDP	Version 3.2.4