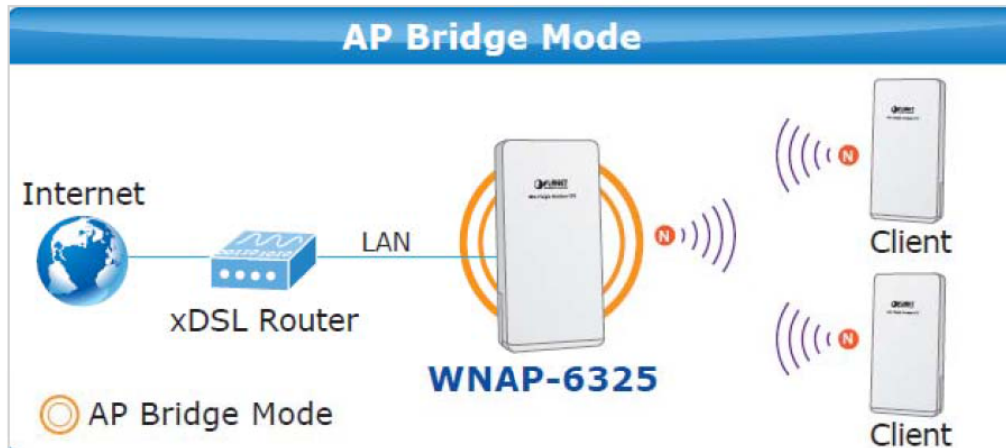


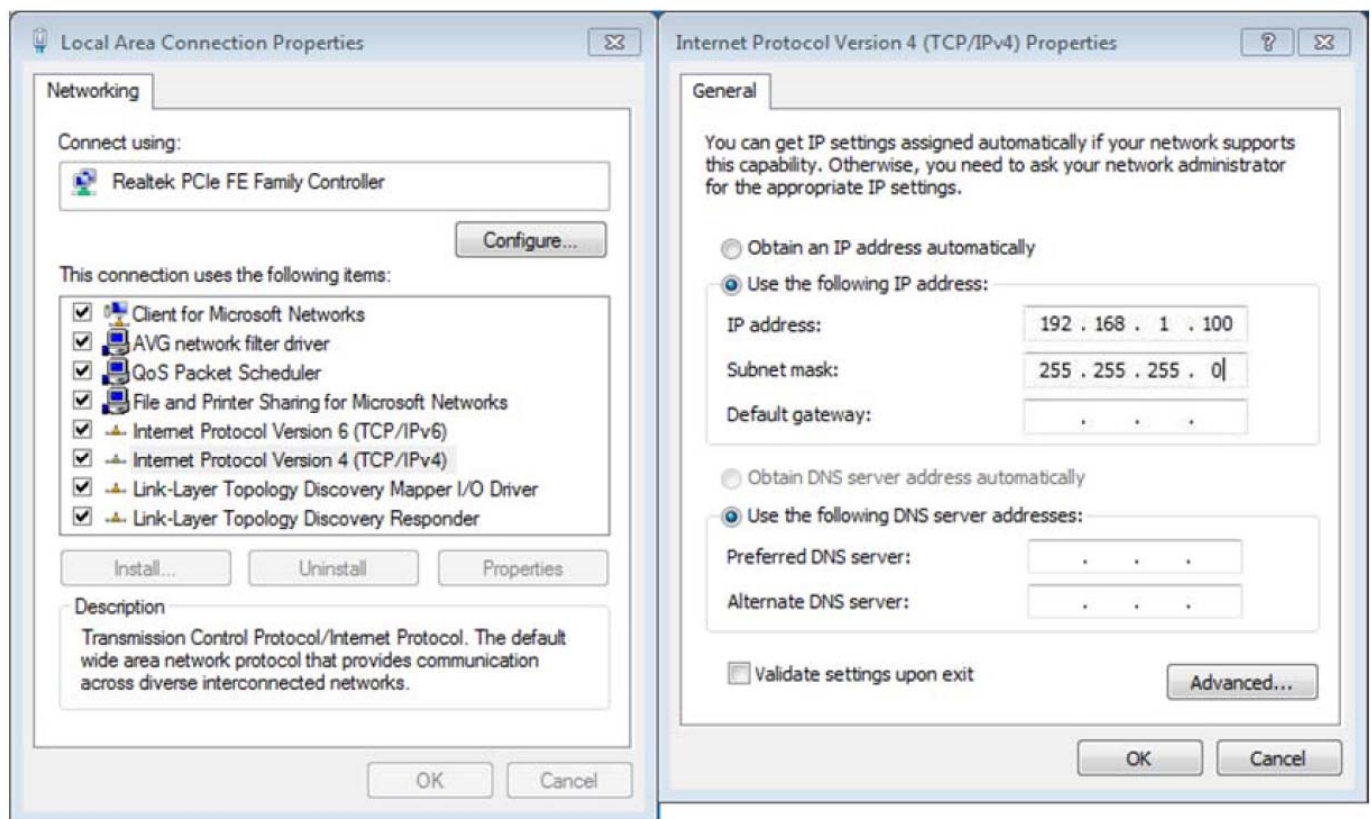
Appendix C: FAQ

Q1: How to set up the AP Client Connection

Topology:



Step 1. Use static IP in the PCs that are connected with AP-1 (Site-1) and AP-2 (Site-2). In this case, Site-1 is “192.168.1.100”, and Site-2 is “192.168.1.200”.



Step 2. In AP-1, go to “**Operation Mode**” to configure it to **Access Point** Mode.

- ※ You can also configure it in “**AP Router**” mode if you want to connect the WAN port of the AP to the internet directly.

► **Operation Mode**

Select the “Operation Mode” by clicking on “Setup” button and then configure the Wireless Settings.

Mode		Radio	Ethernet Port
☒ Access Point	Setup	Access Point	LAN+LAN
☐ Client	Setup	Client	LAN+LAN
☐ WDS AP	Setup	WDS Access Point	LAN+LAN
☐ WDS Client	Setup	WDS Client	LAN+LAN
☐ AP Router	Setup	Access Point	WAN+LAN
☐ Wireless ISP	Setup	Wireless ISP	LAN+LAN

Step 3. Click “**Setup**” to configure the following parameters and then click **Save & Restart** to save the settings.

- 1) **Network ID (SSID):** set to a unique value
- 2) **Channel:** set to a fixed one
- 3) **Security Setting:** strongly suggested to configure it.

In this case, we configure it to WPA2-PSK, AES

► Operation Mode Settings

Regulatory Domain: Europe ▼

Network ID (SSID) WNAP-6325 Site Survey

☒ Enable Wireless
☐ Disable SSID Broadcasting
☐ Enable Isolated

Radio Mode: 2G 11NG HT40 ▼

Channel: 6 -2437MHz ▼

Data Rate: Auto ▼

Security Setting: Setup

Transmit Power: 27 dbm ▼

Transmit Distance: 1 Km ▼

TDMA: Disable ▼

Advanced Settings: Setup

Access Control: Setup

Security Settings

Select Encryption: WPA2 ▼

Pre-Authentication: ☒ Personal (Pre-Shared Key) ☐ Enterprise (RADIUS)

Encryption Type: ☐ TKIP ☒ AES ☐ Auto

Pre-Shared Key: 12345678

Save Cancel

Step 4. In AP-2, modify the default IP to the same IP range but different from AP-1.

In this case, the IP is changed to **192.168.1.252**.

► **Device IP Settings**

Configure the IP settings of the device.

IP Address:	192	168	1	252
IP Subnet Mask:	255	255	255	0
Gateway IP Address:	192	168	1	253
Primary DNS Server :	8	8	4	4
Secondary DNS Server :	8	8	8	8

[Save & Restart](#)

NOTE: Changes to this page will not take effect until you click Save & Restart on the save config page.

Step 5. In AP-2, configure it in “**Client**” mode and click “**Setup**”.

► **Operation Mode**

Select the “Operation Mode” by clicking on “Setup” button and then configure the Wireless Settings.

Mode		Radio	Ethernet Port
☐ Access Point	Setup	Access Point	LAN+LAN
☒ Client	Setup	Client	LAN+LAN
☐ WDS AP	Setup	WDS Access Point	LAN+LAN
☐ WDS Client	Setup	WDS Client	LAN+LAN
☐ AP Router	Setup	Access Point	WAN+LAN
☐ Wireless ISP	Setup	Wireless ISP	LAN+LAN

Step 6. Click “Setup” and then click **Site Survey** to find AP-1.

► **Operation Mode Settings**

Regulatory Domain: Europe ▼

Remote AP SSID: WNAP-6325 Site Survey

☒ Enable Wireless
☐ Disable SSID Broadcasting
☐ Enable Isolated

Lock to AP MAC: 00:00:00:00:00:00

Radio Mode: 2G 11NG HT40 ▼

Channel: Auto Channel ▼

Data Rate: Auto ▼

Security Setting: Setup

Transmit Power: 27 dbm ▼

Transmit Distance: 1 Km ▼

TDMA: Disable ▼

Advanced Settings: Setup

Access Control: Setup

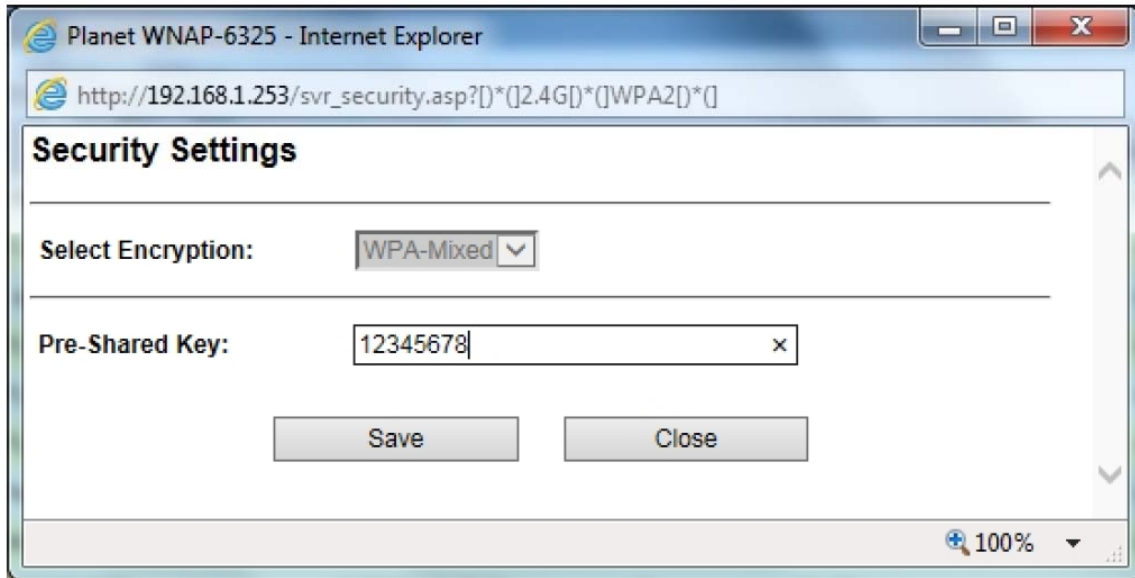
Step 7. Select AP-1 from the list.

Planet WNAP-6325 - Internet Explorer
http://192.168.1.253/sts_sitesvy.asp

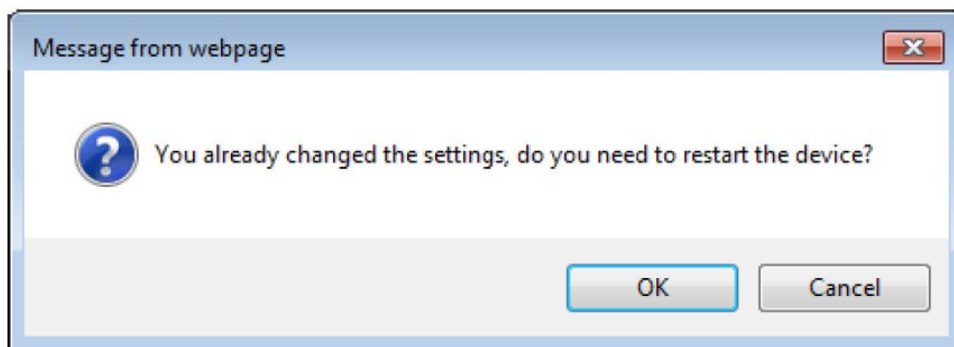
Select	SSID	MAC Address	Channel	Signal Strength(%)	Security
☐	WNAP-6325	A8:F7:E0:1C:7E:E4	10	-88 dBm	none
☐	WNAP-6325	A8:F7:E0:1C:7E:E4	10	-88 dBm	none
☐	WNAP-6325	A8:F7:E0:1C:7E:E4	11	-91 dBm	none
☐	WNAP-6325	A8:F7:E0:1C:7E:E4	10	-85 dBm	none
☐	WNAP-6325	A8:F7:E0:1C:7E:E4	10	-88 dBm	none
☐	WNAP-6325	A8:F7:E0:1C:7E:E4	10	-88 dBm	none
☐	WNAP-6325	A8:F7:E0:1C:7E:E4	11	-92 dBm	none
☐	WNAP-6325	A8:F7:E0:1C:7E:E4	11	-91 dBm	none
☒	WNAP-6335	A8:F7:E0:1C:7E:E4	11	-54 dBm	none

ASSOCIATE RESCAN CLOSE

Step 8. Click **"SET SECURITY"** to configure the Pre-Shared Key and then click **"Save"** to close the window.



Step 9. Click **"OK"** and **"Save & Restart"** to apply the setting.



Step 10. In AP-1, go to **"Device Status-> Wireless Client Table"** to check whether AP-2 should be in the list.



Step 11. Use command line tool to ping each other to ensure the link is successfully established.

From Site-1, ping 192.168.1.200; and in Site-2, ping 192.168.1.100.

```

C:\WINDOWS\system32\CMD.exe - ping 192.168.1.100 -t
Destination host unreachable.
Destination host unreachable.
Destination host unreachable.
Destination host unreachable.
Destination host unreachable.

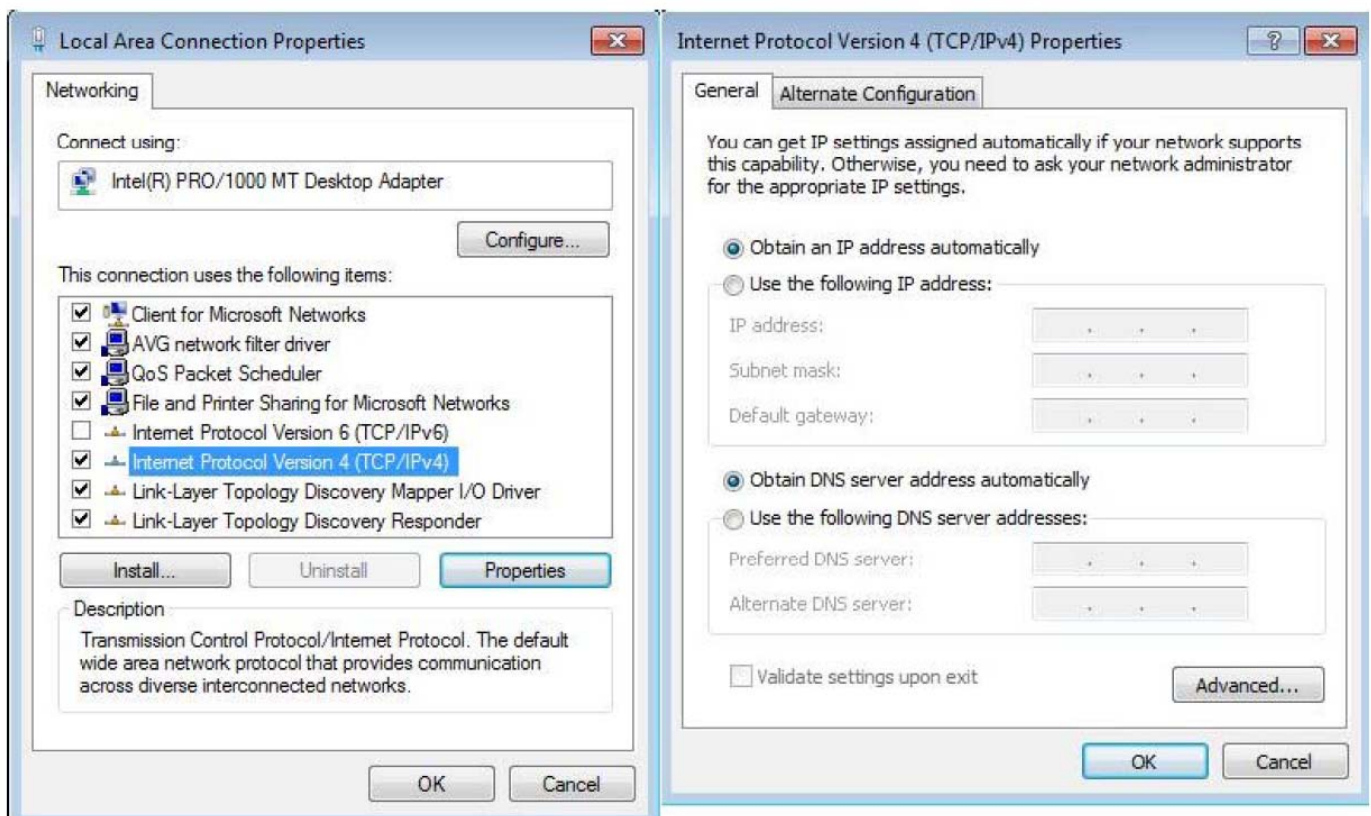
Ping statistics for 192.168.0.100:
    Packets: Sent = 25, Received = 0, Lost = 25 (100% loss),
Control-C
^C
C:\Documents and Settings\Administrator>ping 192.168.1.100 -t

Pinging 192.168.1.100 with 32 bytes of data:

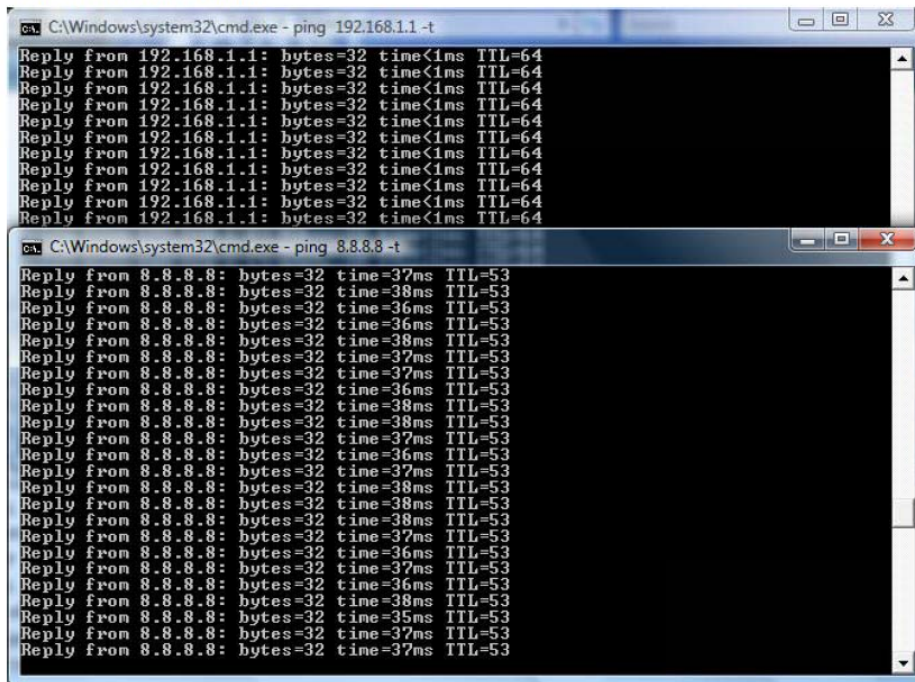
Request timed out.
Reply from 192.168.1.100: bytes=32 time=7ms TTL=128
Reply from 192.168.1.100: bytes=32 time=1ms TTL=128
Reply from 192.168.1.100: bytes=32 time=2ms TTL=128
Reply from 192.168.1.100: bytes=32 time=1ms TTL=128
Reply from 192.168.1.100: bytes=32 time=2ms TTL=128
Reply from 192.168.1.100: bytes=32 time=2ms TTL=128
Reply from 192.168.1.100: bytes=32 time=1ms TTL=128
Reply from 192.168.1.100: bytes=32 time=1ms TTL=128
Reply from 192.168.1.100: bytes=32 time=1ms TTL=128
Reply from 192.168.1.100: bytes=32 time=1ms TTL=128

```

Step 12. Configure the TCP/IP settings of Site-2 to “Obtain an IP address automatically”.



Step 13. Use command line tool to ping the DNS (e.g. Google) to ensure Site-2 can access internet through the wireless connection.



The image shows two screenshots of a Windows command prompt window. The top screenshot shows the command 'ping 192.168.1.1 -t' being executed, with multiple replies from 192.168.1.1 showing a time of <1ms and TTL of 64. The bottom screenshot shows the command 'ping 8.8.8.8 -t' being executed, with multiple replies from 8.8.8.8 showing times around 37ms and TTL of 53.

```

C:\Windows\system32\cmd.exe - ping 192.168.1.1 -t
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64

C:\Windows\system32\cmd.exe - ping 8.8.8.8 -t
Reply from 8.8.8.8: bytes=32 time=37ms TTL=53
Reply from 8.8.8.8: bytes=32 time=38ms TTL=53
Reply from 8.8.8.8: bytes=32 time=36ms TTL=53
Reply from 8.8.8.8: bytes=32 time=36ms TTL=53
Reply from 8.8.8.8: bytes=32 time=38ms TTL=53
Reply from 8.8.8.8: bytes=32 time=37ms TTL=53
Reply from 8.8.8.8: bytes=32 time=37ms TTL=53
Reply from 8.8.8.8: bytes=32 time=36ms TTL=53
Reply from 8.8.8.8: bytes=32 time=38ms TTL=53
Reply from 8.8.8.8: bytes=32 time=38ms TTL=53
Reply from 8.8.8.8: bytes=32 time=37ms TTL=53
Reply from 8.8.8.8: bytes=32 time=36ms TTL=53
Reply from 8.8.8.8: bytes=32 time=37ms TTL=53
Reply from 8.8.8.8: bytes=32 time=38ms TTL=53
Reply from 8.8.8.8: bytes=32 time=38ms TTL=53
Reply from 8.8.8.8: bytes=32 time=37ms TTL=53
Reply from 8.8.8.8: bytes=32 time=36ms TTL=53
Reply from 8.8.8.8: bytes=32 time=37ms TTL=53
Reply from 8.8.8.8: bytes=32 time=36ms TTL=53
Reply from 8.8.8.8: bytes=32 time=38ms TTL=53
Reply from 8.8.8.8: bytes=32 time=35ms TTL=53
Reply from 8.8.8.8: bytes=32 time=37ms TTL=53
Reply from 8.8.8.8: bytes=32 time=37ms TTL=53

```

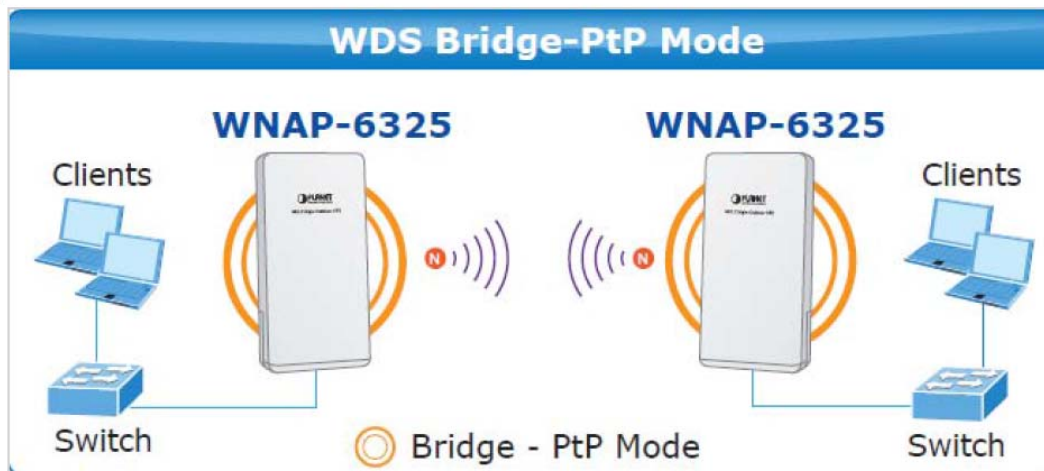


The attention of the following hints should be paid:

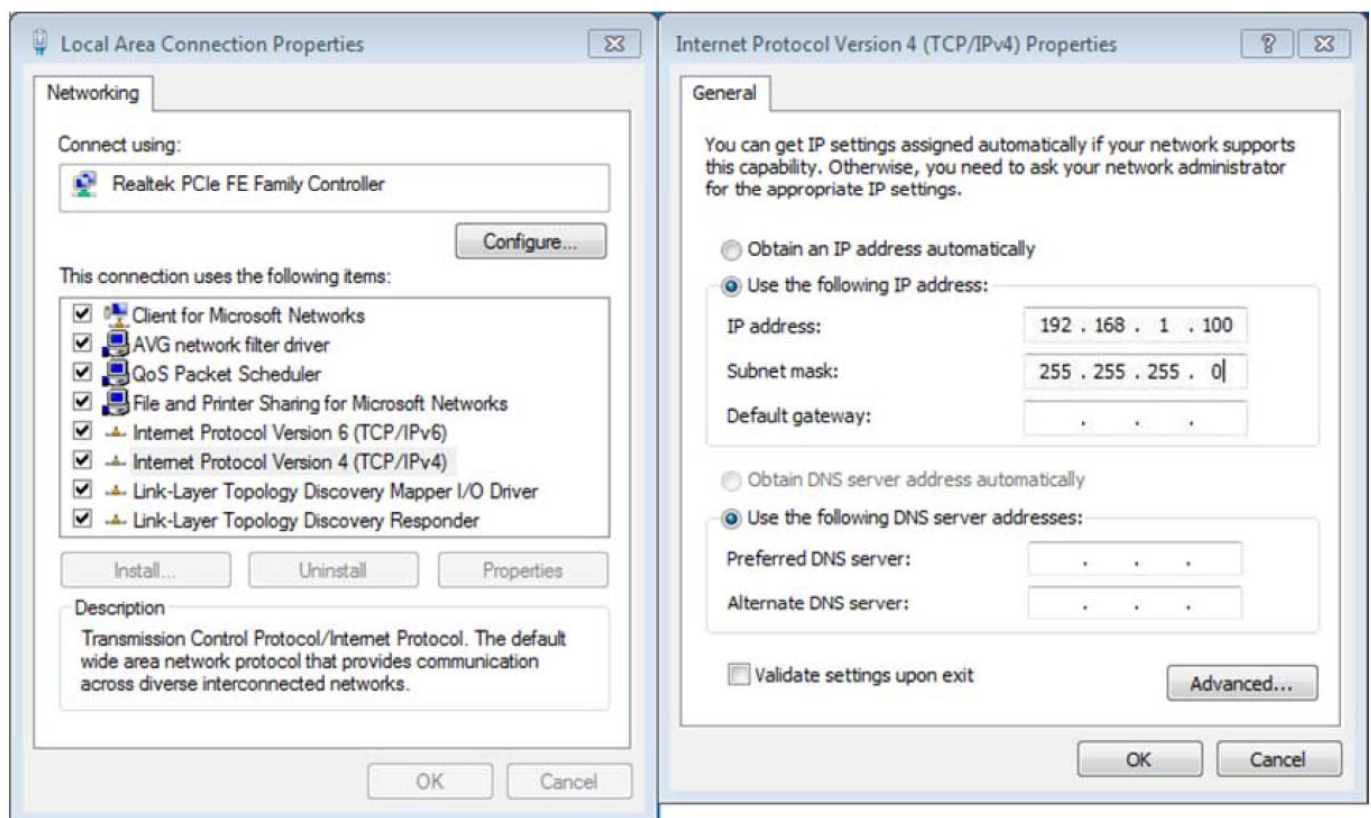
- 1) The encryption method must be the same as that of both sites if configured.
- 2) Both sites should be Line-of-Sight.
- 3) For the short distance connection less than 1km, please reduce the "Transmit power" of both sites.
- 4) For the long distance connection over 1km, please adjust the "Transmit Distance" to the actual distance or double of the actual distance.

Q2: How to set up the WDS Connection

Topology:



Step 1. Use static IP in the PCs that are connected with WNAP-6325-1 (Site-1) and WNAP-6325-2 (Site-2). In this case, Site-1 is "192.168.1.100", and Site-2 is "192.168.1.200".



Step 2. In AP-1, go to “**Operation Mode**” to configure it **Access Point Mode**.

► **Operation Mode**

Select the "Operation Mode" by clicking on "Setup" button and then configure the Wireless Settings.

Mode		Radio	Ethernet Port
☐ Access Point	Setup	Access Point	LAN+LAN
☐ Client	Setup	Client	LAN+LAN
☒ WDS AP	Setup	WDS Access Point	LAN+LAN
☐ WDS Client	Setup	WDS Client	LAN+LAN
☐ AP Router	Setup	Access Point	WAN+LAN
☐ Wireless ISP	Setup	Wireless ISP	LAN+LAN

Step 3. Click “**Setup**” to configure the following parameters and then click **Save & Restart** to save the settings.

- 4) **Network ID (SSID)**: set to a unique value
- 5) **Channel**: set to a fixed one
- 6) **Security Setting**: strongly suggested to configure it.

In this case, we configure it to WPA2-PSK, AES

► **Operation Mode Settings**

Regulatory Domain: Europe ▼

Network ID (SSID) WNAP-6325 [Site Survey](#)

☒ Enable Wireless
☐ Disable SSID Broadcasting
☐ Enable Isolated

Radio Mode: 2G 11NG HT40 ▼

Channel: 6 -2437MHz ▼

Data Rate: Auto ▼

Security Setting: [Setup](#)

Transmit Power: 27 dbm ▼

Transmit Distance: 1 Km ▼

TDMA: Disable ▼

Advanced Settings: [Setup](#)

Access Control: [Setup](#)

Security Settings

Select Encryption: WPA2 ▼

Pre-Authentication: ☒ Personal (Pre-Shared Key) ☐ Enterprise (RADIUS)

Encryption Type: ☐ TKIP ☒ AES ☐ Auto

Pre-Shared Key: 12345678

Save Cancel

Step 4. In AP-2, modify the default IP to the same IP range but different from AP-1.

In this case, the IP is changed to **192.168.1.252**.

► Device IP Settings

Configure the IP settings of the device.

IP Address: 192 - 168 - 1 - 252

IP Subnet Mask: 255 - 255 - 255 - 0

Gateway IP Address: 192 - 168 - 1 - 253

Primary DNS Server: 8 - 8 - 4 - 4

Secondary DNS Server: 8 - 8 - 8 - 8

Save & Restart

NOTE: Changes to this page will not take effect until you click Save & Restart on the save config page.

Step 5. In AP-2, configure it in “Client” mode and click “Setup”.

► Operation Mode

Select the "Operation Mode" by clicking on "Setup" button and then configure the Wireless Settings.

Mode		Radio	Ethernet Port
☐ Access Point	Setup	Access Point	LAN+LAN
☐ Client	Setup	Client	LAN+LAN
☐ WDS AP	Setup	WDS Access Point	LAN+LAN
☒ WDS Client	Setup	WDS Client	LAN+LAN
☐ AP Router	Setup	Access Point	WAN+LAN
☐ Wireless ISP	Setup	Wireless ISP	LAN+LAN

Step 6. Click “Setup” and then click **Site Survey** to find AP-1.

► **Operation Mode Settings**

Regulatory Domain: Europe ▼

Remote AP SSID: WNAP-6325 Site Survey

☒ Enable Wireless
☐ Disable SSID Broadcasting
☐ Enable Isolated

Lock to AP MAC: 00:00:00:00:00:00

Radio Mode: 2G 11NG HT40 ▼

Channel: Auto Channel ▼

Data Rate: Auto ▼

Security Setting: Setup

Transmit Power: 27 dbm ▼

Transmit Distance: 1 Km ▼

TDMA: Disable ▼

Advanced Settings: Setup

Access Control: Setup

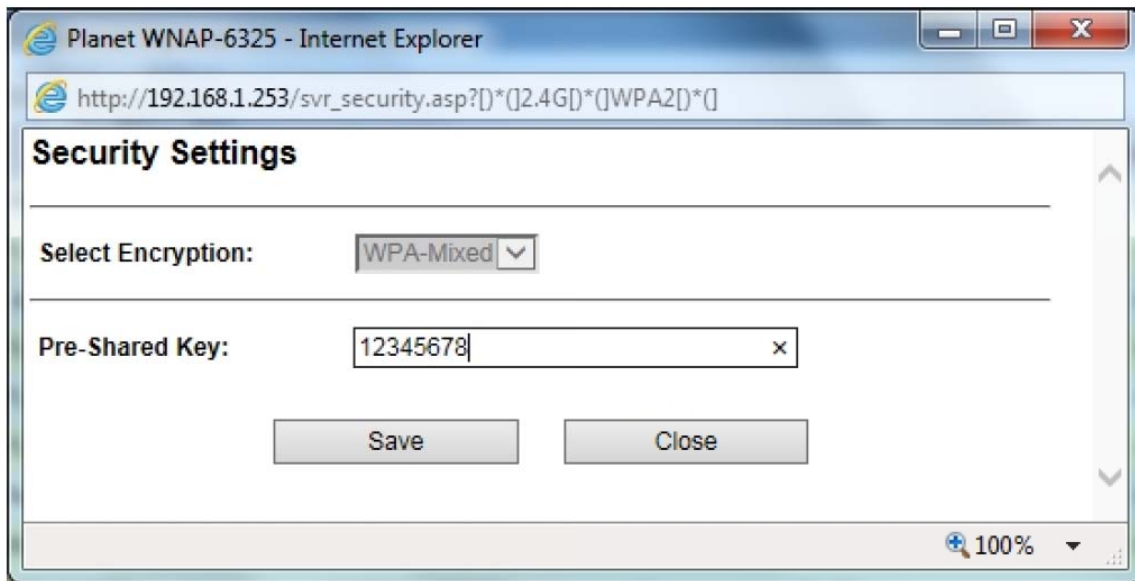
Step 7. Select AP-1 from the list.

Planet WNAP-6325 - Internet Explorer
http://192.168.1.253/sts_sitesvy.asp

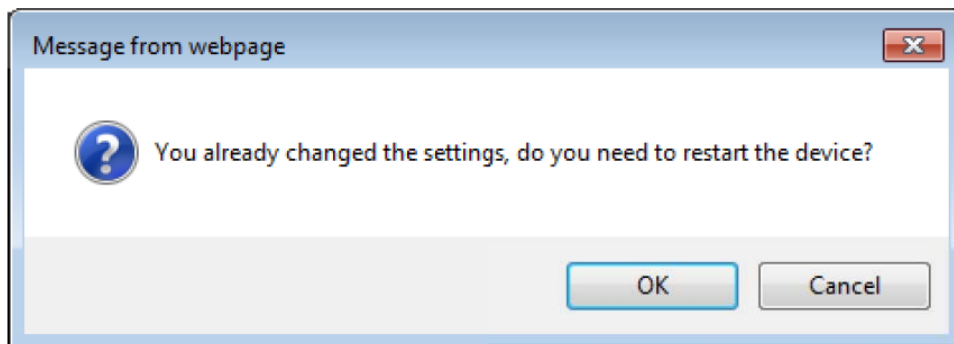
Select	SSID	MAC Address	Channel	Signal Strength(%)	Security
☐	WNAP-6325	A8:F7:E0:1C:7E:E4	10	-86 dBm	none
☐	WNAP-6325	A8:F7:E0:1C:7E:E4	10	-86 dBm	none
☐	WNAP-6325	A8:F7:E0:1C:7E:E4	11	-91 dBm	none
☐	WNAP-6325	A8:F7:E0:1C:7E:E4	10	-85 dBm	none
☐	WNAP-6325	A8:F7:E0:1C:7E:E4	10	-88 dBm	none
☐	WNAP-6325	A8:F7:E0:1C:7E:E4	10	-88 dBm	none
☐	WNAP-6325	A8:F7:E0:1C:7E:E4	11	-92 dBm	none
☐	WNAP-6325	A8:F7:E0:1C:7E:E4	11	-91 dBm	none
☒	WNAP-6335	A8:F7:E0:1C:7E:E4	11	-54 dBm	none

ASSOCIATE RESCAN CLOSE

Step 8. Click “SET SECURITY” to configure the Pre-Shared Key and then click “Save” to close the window.



Step 9. Click “OK” and click “**Save & Restart**” to apply the setting.



Step 10. In AP-1, go to “**Device Status-> Wireless Client Table**” to check whether AP-2 should be in the list.



Step 11. Use command line tool to ping each other to ensure the link is successfully established.

From Site-1, ping 192.168.1.200; and in Site-2, ping 192.168.1.100.

```
C:\WINDOWS\system32\CMD.exe - ping 192.168.1.100 -t
Destination host unreachable.
Destination host unreachable.
Destination host unreachable.
Destination host unreachable.
Destination host unreachable.

Ping statistics for 192.168.0.100:
    Packets: Sent = 25, Received = 0, Lost = 25 (100% loss),
Control-C
^C
C:\Documents and Settings\Administrator>ping 192.168.1.100 -t

Pinging 192.168.1.100 with 32 bytes of data:

Request timed out.
Reply from 192.168.1.100: bytes=32 time=7ms TTL=128
Reply from 192.168.1.100: bytes=32 time=1ms TTL=128
Reply from 192.168.1.100: bytes=32 time=2ms TTL=128
Reply from 192.168.1.100: bytes=32 time=1ms TTL=128
Reply from 192.168.1.100: bytes=32 time=2ms TTL=128
Reply from 192.168.1.100: bytes=32 time=2ms TTL=128
Reply from 192.168.1.100: bytes=32 time=1ms TTL=128
Reply from 192.168.1.100: bytes=32 time=1ms TTL=128
Reply from 192.168.1.100: bytes=32 time=1ms TTL=128
```

The attention of the following hints should be paid:



- 1) The encryption method must be the same as that of both sites if configured.
- 2) Both sites should be Line-of-Sight.
- 3) For the short distance connection less than 1km, please reduce the "Transmit power" of both sites.
- 4) For the long distance connection over 1km, please adjust the "Transmit Distance" to the actual distance or double of the actual distance.

EC Declaration of Conformity

English	Hereby, PLANET Technology Corporation , declares that this 300Mbps 802.11n Wireless Outdoor CPE is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.	Lietuviškai	Šiuo PLANET Technology Corporation ,, skelbia, kad 300Mbps 802.11n Wireless Outdoor CPE tenkina visus svarbiausius 1999/5/EC direktyvos reikalavimus ir kitas svarbias nuostatas.
Česky	Společnost PLANET Technology Corporation , tímto prohlašuje, že tato 300Mbps 802.11n Wireless Outdoor CPE splňuje základní požadavky a další příslušná ustanovení směrnice 1999/5/EC.	Magyar	A gyártó PLANET Technology Corporation , kijelenti, hogy ez a 300Mbps 802.11n Wireless Outdoor CPE megfelel az 1999/5/EK irányelv alapkövetelményeinek és a kapcsolódó rendelkezéseknek.
Dansk	PLANET Technology Corporation , erklærer herved, at følgende udstyr 300Mbps 802.11n Wireless Outdoor CPE overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF	Malti	Hawnhekk, PLANET Technology Corporation , jiddikjara li dan 300Mbps 802.11n Wireless Outdoor CPE jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn rilevanti li hemm fid-Direttiva 1999/5/EC
Deutsch	Hiermit erklärt PLANET Technology Corporation , dass sich dieses Gerät 300Mbps 802.11n Wireless Outdoor CPE in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet". (BMWf)	Nederlands	Hierbij verklaart, PLANET Technology Corporation , dat 300Mbps 802.11n Wireless Outdoor CPE in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG
Eestikeeles	Käesolevaga kinnitab PLANET Technology Corporation , et see 300Mbps 802.11n Wireless Outdoor CPE vastab Euroopa Nõukogu direktiivi 1999/5/EC põhinõuetele ja muudele olulistele tingimustele.	Polski	Niniejszym firma PLANET Technology Corporation , oświadcza, że 300Mbps 802.11n Wireless Outdoor CPE spełnia wszystkie istotne wymagania i klauzule zawarte w dokumencie „Directive 1999/5/EC”.
Ελληνικά	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ, PLANET Technology Corporation , ΔΗΛΩΝΕΙ ΟΤΙ ΑΥΤΟ 300Mbps 802.11n Wireless Outdoor CPE ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ	Português	PLANET Technology Corporation , declara que este 300Mbps 802.11n Wireless Outdoor CPE está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Español	Por medio de la presente, PLANET Technology Corporation , declara que 300Mbps 802.11n Wireless Outdoor CPE cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE	Slovensky	Výrobca PLANET Technology Corporation , týmto deklaruje, že táto 300Mbps 802.11n Wireless Outdoor CPE je v súlade so základnými požiadavkami a ďalšími relevantnými predpismi smernice 1999/5/EC.
Français	Par la présente, PLANET Technology Corporation , déclare que les appareils du 300Mbps 802.11n Wireless Outdoor CPE sont conformes aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE	Slovensko	PLANET Technology Corporation , s tem potrjuje, da je ta 300Mbps 802.11n Wireless Outdoor CPE skladen/a z osnovnimi zahtevami in ustreznimi določili Direktive 1999/5/EC.
Italiano	Con la presente, PLANET Technology Corporation , dichiara che questo 300Mbps 802.11n Wireless Outdoor CPE è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.	Suomi	PLANET Technology Corporation , vakuuttaa täten että 300Mbps 802.11n Wireless Outdoor CPE tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Latviski	Ar šo PLANET Technology Corporation , apliecina, ka šī 300Mbps 802.11n Wireless Outdoor CPE atbilst Direktīvas 1999/5/EK pamatprasībām un citiem atbilstošiem noteikumiem.	Svenska	Härmed intygar, PLANET Technology Corporation , att denna 300Mbps 802.11n Wireless Outdoor CPE står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.