### Adding network devices using a USB flash drive

With the WPS Wizard utility, you can add devices to your network using a USB flash drive.

To add network devices using a USB flash drive:

1. In the WPS Wizard, click Save settings to a USB flash drive.



2. Plug a USB flash drive into the USB port on your computer, and then select the drive from the dropdown list. When done, click **Next** to continue.



3. Remove the USB flash drive from this computer, and then plug to the computer that you want to add to the wireless network.



4. Locate the **SetupWireless.exe** from the USB drive, and double-click to run it. Click **Yes** to add the computer to the wireless network.

Wireless	s Network Setup Wizard
?	Do you want to add this computer to the wireless network Default
	Yes No

5. Click OK to exit the Wireless Network Setup Wizard.



17



÷.,	SSID	C	RSSI	Security	BSSID
0	ASUS	10	-57	None	00:26:18:84:01:48
Conng	E dirk		-45	None	00:21:91:08:61:58
3	ASUS_GUEST	1	-66	None	00:0E:D7:AC:1C:E0
Profiles	ASUS	6	-45	TKIP - WPA	00:24:8C:C3:D0:68
	WL-520GC	6	-45	TKIP - WPA	00:90:4C:C1:00:2D
( 24)	default	6	-60	None	00:1E:E3:00:6E:20
	Joshua_Peng	11	-57	TKIP - WPA	00:1D:60:E8:50:A1
	14	11	-91	Wep	00:1F:1F:28:23:57
<b>N</b>	Steven Office	12	-47	Wep	00:22:15:6D:CB:E0
About	Mahaha	4	-73	Wep	00:00:08:52:60:90
Link State					
dD					
Apply					
AL OK	No. of known wireless n	etworks : D	0		
K Gancel				#	1

3. Use Site Survey if you do not know the SSID of your access point.

Basic E	ncryption Advanc	nd	
Alta Metwork	Authentication :	WPA-Personal	~
Yig Data en	ryption :	TX3P	~
Wreless	ngtwork key :	T2LK8VW93016EV35LKFC	
Wrele	ss Network Key (W	(P)	
Key B		Hexadecimal digits	
Key La		64 bits(10 digits)	
x			
cel		your Default gay -> Key	

4. Encryption settings must match those at the access point. Ask your network administrator about settings if necessary. Click Apply to activate the settings.

(a)	Refus Connection IP (	Config Ping		(a) 1	Party Connection In Cashe Real
	Asus 102.	11n Network Adapter		3.84.5	Prane Sert/Received Transmitted: 733 Received: 2451
Config	Association State :	Excellent Link and Connection		Corrig	France Error
3	SSED :	49/5		3	Transmitted : 0 Received : 0
Profiles	MAC address :			Profiles	
24	PPC GOA CAR.	0024100300000		0.	Small Strength -
Survey	Current Channel :	6		G	Excelent (100%) 100% Excelent
12	Current Data Rate :	S4Mbps		- 9	Unk Quality : Excelent (100%) 100% Excelent
About	Radio State :	Enabled Disable Radio			
Link State				HOOUX Link State	Overall Connection Quality 100.00%
30	Bescan	Scan again for available wireless networks and connect the one that has the best signal level.		dD	80.00%
				0000	60.00%
Receiv	Change SSID	To connect to one wireless network, your WLAN Card and wireless network must specify the same	1	Apply	40.00%
L ΩK		SSID.		QK.	20.000
Gancel	Search & Connect	View the wireless networks that are within range of this connector.	×	Cancel	
Help			1 1 1		U.00%

- Check the Status page to see the association state. If connection is established, the box shows "Connected - xx:xx:xx:xx:xx:xx".
- Check the Connection tab to see the signal strength. Click OK to exit the utility.

### Configuring with the WLAN utility (Ad Hoc)

The Network adapter supports Ad Hoc mode that allows communication between wireless stations without an AP.



 From the Windows<sup>®</sup> taskbar, rightclick the WLAN icon , then select Wireless Setting.

3	Site Survey				
Satus	Available Networks		0.001	for the	00000
- ča	Sold Tanking David	1.000	R356	DOD WDA	8552D
Config	Divers Crest		.71	None -	00/10/00/2010/A1
<b>24</b>	1234567	i	-45	None	66:4E:64:14:8E:78
Profiler	Revelator	4	-67	Wep	00:0D:08:5E:E0:90
$\sim$	Didefault	6	-57	None	00:1E:E3:00:6E:20
(6.)	BASUS	6	-45	TKIP - WPA	00:24:80:03:00:68
(3)	WL-6206C	6	-45	TKIP - WPA	00/90:4C:C1:00:2D
Survey	DASUS	10	-47	None	00:26:18:84:01:48
12	Steven Office	12	-45	Wep	00:22:15:60:CB:E0
ADOUR					
Link State					
00					
Apply					
	No. of known wireless p	etworks 19			

 Click the Survey button to scan for Ad Hoc nodes. Select the node you want to communicate with and press Connect.

3	Encryption Advanced	
	VetWork Type O [Infrestructure O [Add Hac] VetBle Name	
Profiles	ASUS	
8	ASUS	
SURVEY (	Chagnel	
About	1 Julia Rate	×
Cink State	Pully Auto	
	PS Mode	
Apply Cir	CAM (Constantly Awake mode)	~
	Sters Econotico Advanced Textilectoritico	

2. Click the **Config** button and set the Network adapter to **Ad Hoc** connection mode.

3	Basic Encry	ption Advance	bec	
*	Network Au	thentication :	WPA-Personal	~
Corfig	Data encryp	tion :	TUP	
	Wireless ngi	work key :	T2LKBWW93016EV35LKFC	
nuiles	Wreless	letwork Key (W	EP)	
8			Hexadecimal digits	
survey			64 bits(10 digits)	
About				
rk State c <b>S</b> D				
1444				
Apply OK				
Cancel				

 If the encryption settings of your WLAN Adapter are different from those of the other Ad Hoc nodes, you are prompted to make the encryption of the two nodes identical. Click Apply to activate the settings.

ASDS WLAN Card St	ttings	×
ASDS VLAN Card St Stars Stars Frefiles Drawy 2000	Status Creasectias JpC Status Creasectias JpC Annocation State : SSID: MAC addwss : Durnerl Daronel : Durnerl Data Rate : Radio State :	III Vision Tahook III Vision Tahook Directed 00:051925880 Pirece Directed 20:051925880 Pirece Pi
Hoot Link State State March March March Y Baly	Bescan Change SSID Search & Connect	Son again (or available welfore inducin), and connect the one winking marked well well. To connect the one winking marked, your VLAH card and welfers well-son, must specify the same Specific the same Specific the same share and the same specific the same share and the same specific the same share and the same specific to a same share and the same share and the computer.

 Check the Status page to see the association state. If connection is established, the box shows "Connected - xxxxxxxxxxxxx".

😒 ASUS WLAN Co	rd Settings
	Status Connection JP Config Ping
	Frame Sent/Received Transmitted : 733 Received : 2451
Corrig	Prome Error Transmitted : In Received : In
Profiles	Connection Quality
Survey	Signal Strength : Excellent (100%) 100% Excellent Unk Quelty : Excellent (100%) 100% Excellent
About Link State	100.00% Overall Connection Quality
dD	80.00%
✓ Apply S¶L gK	9.00%
X Cancel	0.00%

6. Check the **Connection** tab to see the signal strength. Click **OK** to exit the utility.

# Chapter 4 Using the ASUS WLAN Control Center

# Launching the ASUS WLAN Control Center

ASUS WLAN Control Center is an application that makes it easier to launch WLAN applications and activate the network location settings. It starts automatically when system boots up. When WLAN Control Center is running, you can see a Control Center icon on the Windows® desktop.



#### To launch the ASUS WLAN Control Center, do any of the following:

- Click Start > All Programs > ASUS WLAN Control Center > ASUS WLAN Control Center.
- From Windows<sup>®</sup> desktop, click the ASUS WLAN Control Center icon

The Control Center taskbar icon displays the following information:

- · Link quality of the Network adapter (Excellent, Good, Fair, Poor, Not Linked)
- Whether the Network adapter is connected to a network (Blue: Connected, Gray: Not Connected)



Wireless Status Icons (on the taskbar)

- **Excellent** link quality and **connected to Internet** (Infrastructure)
- Good link quality and connected to Internet (Infrastructure)
- **Fair** link quality and **connected to Internet** (Infrastructure)
- Poor link quality and connected to Internet (Infrastructure)
- Not linked but connected to Internet (Infrastructure)

Excellent link quality but not connected to Internet (Infrastructure)
 Good link quality but not connected to Internet (Infrastructure)
 Fair link quality but not connected to Internet (Infrastructure)
 Poor link quality but not connected to Internet (Infrastructure)
 Not linked and not connected to Internet (Infrastructure)

# Using the Wireless Settings right-click menu

#### To use the Wireless Settings right-click menu:

From the Windows<sup>®</sup> desktop, right-click the WLAN icon et al.

The menu contains the following items:

- Wireless Setting: Click to launch Wireless Setting application.
- Activate Configuration: Click to choose a preset profile.
- Help: Click to launch the help file.
- WPS: Click to launch Wireless Protected Setup Wizard.
- About Control Center: Shows the version of Control Center.
- Exit: Click to close the Control Center program.



# Using the Wireless Settings left-click menu

#### To use the Wireless Settings left-click menu:

From the Windows<sup>®</sup> desktop, left-click the WLAN icon **P** to display the Wireless Settings left-click menu.

The menu contains the following items:

- Wireless Radio On: Click to turn the wireless radio ON.
- Wireless Radio Off: Click to turn the wireless radio OFF.
- Search & Connect: Click to view the properties of available access points.
- Wireless Option (Windows<sup>®</sup> XP only): Click to choose Windows<sup>®</sup> Wireless Zero Configuration (WZC) service or ASUS utilities to configure your Network adapter.



### Using the ASUS WLAN Card Settings utilities Launching the ASUS WLAN Card Settings screen

To launch the ASUS WLAN Card Settings screen, do any of the following:

- From the Windows<sup>®</sup> desktop, double-click the WLAN icon **P**?.
- From the Windows<sup>®</sup> desktop, right-click the WLAN icon <sup>P</sup>, then select Wireless Settings.



**Note**: If you have more than one ASUS WLAN device installed on your computer, you may see a device selection window when you launch the "Wireless Settings" utility. Select the device you want when such situation occurs.

### Status - Status

The Status page provides information about the 802.11n network adapter. The status fields are blank if the 802.11n network adapter is not installed.

To turn off the 802.11n network adapter, click **Disable Radio**.



- Association State: Displays the connection status:
  - Connected: The network adapter is now associated with one wireless LAN device. When operating in Infrastructure mode, this field shows the access point's MAC address that the network adapter is is communicating with. When operating in Ad Hoc mode, this field shows the virtual MAC address used by computers participating in the Ad Hoc network.
  - **Scanning...** : The station is trying to authenticate and associate with an access point or Ad Hoc node.
  - **Disconnected**: The network adapter is installed to the system, but not yet connected to a wireless device.
- **SSID**: Displays the Service Set Identifier (SSID) of the device that the network adapter is either associated with or intending to join.
- MAC address: Shows the hardware address of the network adapter. MAC address is a unique identifier for networking devices (typically written as twelve hexadecimal digits from 0 through 9 and A through F separated by colons, i.e. 00:E0:18:F0:05:C0).
- Current Channel: Displays the radio channel to which the network adapter is currently tuned. This number changes as the radio scans the available channels.
- Current Data Rate: Displays the current data rate in megabits per second (Mbps).



NOTE: For 802.11n performance, select 40MHz bandwidth in wireless router. Channel option depends on the bandwidth that you select.

- Radio State: Shows the wireless radio status: ON or OFF.
- **Radio On**: When the wireless radio is turned ON, the icon on the right appears in the upper left of the Status page.
- **Radio Off:** When the wireless radio is turned OFF, the icon on the right appears in the upper left of the Status page.
- **Rescan**: Make the Network adapter rescan all available devices. If the current link quality or signal strength is poor, rescanning can be used to push the radio off a weak access point and search for a better link with another access point. This function usually takes several seconds.
- Change SSID: Click this button to set the SSID to that of the AP you want to connect.
- · Search & Connect: Click this button to connect to an available wireless AP.

### Activate Configuration

Auto roaming is enabled by default and makes the adapter automatically switch to APs with better signal. You can uncheck it if you want to connect to a specified AP using a particular profile.

### **Status - Connection**

You can view the current link statistics about the Network adapter. These statistics are updated once per second and are valid if the Network adapter is correctly installed.

### Throughput

- **Transmitted**: The number of frames that were transmitted.
- Received: The number of frames that were received.

#### Frame Error

- · Transmitted: The number of frames that were not successfully transmitted
- · Received: The number of frames that were not successfully received.

#### **Connection Quality**

• Signal Strength/Link Quality: Shows the signal strength/link quality of the access point or Ad Hoc node the Network adapter is currently connected to. Ratings are: Excellent, Good, Fair, and Poor.

### **Overall Connection Quality**

The overall connection quality is derived from the current signal strength. A graphic chart uses percentage to show signal quality.



