

AT-UWC Wireless LAN Controller Software Version

Installation Guide

This Installation Guide is an introductory guide to help you start the software-based AT-UWC Wireless LAN Controller. It describes how to run the AT-UWC-Install program on a PC-based server or virtual machine, start and end a management session, and modify the settings on the AT-UWC Wireless LAN Controller.

This document contains the following topics:

- □ "Overview" on page 2
- "Preparing the Installation of the AT-UWC WLAN Controller" on page 3
- □ "Installing the AT-UWC WLAN Controller" on page 7
- □ "Preparing the Management Workstation" on page 10
- Starting a Management Session" on page 11
- "Registering the License Key" on page 12
- □ "Changing the IP Address" on page 15
- "Enabling JavaScript" on page 19
- □ "Modifying the Settings" on page 22
- □ "Saving the Changes" on page 26
- "Using Online Help" on page 28
- Ending a Management Session" on page 32

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Overview

	The AT-UWC Wireless LAN (WLAN) Controller is a software-based management tool that allows you to control Allied Telesis TQ series wireless access point devices. The AT-UWC-Install is a program that installs AT-UWC WLAN Controller onto a PC-based server or virtual machine.
	To start the AT-UWC WLAN Controller, first, install the AT-UWC WLAN Controller onto a server. To activate the WLAN controller, register the license key through the web interface from a management workstation.
Installing the	To install the AT-UWC WLAN Controller, follow the steps below:
AT-UWC WLAN Controller	 Obtain the AT-UWC-Install zip file and create an installation DVD or CD.
	See "Preparing the Installation of the AT-UWC WLAN Controller" on page 3.
	2. Install the AT-UWC WLAN Controller from the installation DVD or CD onto a server.
	See "Installing the AT-UWC WLAN Controller" on page 7.
	3. Prepare the management workstation.
	See "Preparing the Management Workstation" on page 10.
	4. Start a management session from the management workstation.
	"Starting a Management Session" on page 11.
	5. Register the license key to activate the AT-UWC WLAN Controller.
	See "Registering the License Key" on page 12.
Configuring the AT-UWC WLAN	After you installed the AT-UWC-Install program and license key, you want to configure the AT-UWC WLAN Controller to meet your requirements.
Controller	To configure the AT-UWC WLAN Controller, see the following procedures:
	"Starting a Management Session" on page 11
	"Modifying the Settings" on page 22
	□ "Saving the Changes" on page 26
	"Using Online Help" on page 28

• "Ending a Management Session" on page 32

Preparing the Installation of the AT-UWC WLAN Controller

Before installing the AT-UWC WLAN Controller, you must obtain the AT-UWC-Install ISO file and create an AT-UWC-Install DVD or CD. An ISO file is an image file for a CD or DVD disc. To prepare installation, do the following:

- 1. "Downloading the AT-UWC-Install ISO File," next
- 2. "Creating the AT-UWC-Install DVD or CD" on page 6

Downloading the AT-UWC-Install ISO File

Allied Telesis provides the AT-UWC-Install ISO file from the Restricted Software Downloads website.

To download the AT-UWC-Install ISO file, do the following:

1. Open a web browser, such as Internet Explorer or FireFox, on your system and enter the following:

http://www.alliedtelesis.com/support/software/restricted

The browser prompts you to enter a user name and password as shown in Figure 1.



Figure 1. Restricted Software Downloads Login Page

2. Enter your email address and password.

If you do not have an account, create one. Click **Create Account** and follow the instructions.

3. Read the Allied Telesis Software Agreement.

If you agree, check the checkbox and press Sign in.

An example of the Restricted Software Downloads Welcome page is displayed as shown in Figure 2.



Figure 2. Restricted Software Downloads Welcome Page

4. Select AT-UWC **Series** from the select box.

The AT-UWC page is displayed as shown in Figure 3 on page 5.

http://www.allied	ltelesis.com/support/software/restr ♀ ▼ 🗟 🖒 🚔 Restricted Software	Downl × û 갔 않
Allied Tele	ZSIS [™]	Choose Region
Solutions Services F	Products Support About Purchase	Search
Support Home » Support » Restrict	TED SOFTWARE » DOWNLOADS	
 » Support Center » Software » Documentation » Replacement Services 	Restricted Software Downloads	
 Open Source Downloads Warranties Service Contracts Training 	Welcome Back, Luca! > Change Password > Log-Out For product detail information and to view or download individual files per release, select a product below. Questions regarding the Allied Telesis software/support site? > Please email us AT- UWC Series	
	AT- UWC Series » AT-UWC v2.0.1.801 RELEASE DATE: 1 Oct 2013 Software for AT-UWC series (GA type). Customers are encouraged to review the release notes for any updates or improvements that could apply to their deployment.	 Download Entire Release (11MB) View/download individual files in this release
	» AT-UWC-Install v2.0.1.B01 RELEASE DATE: 1 Oct 2013 Software installation program for AT-UWC. Note, the utility includes the main application AT-UWC-2.0.1.B01.	» Download Entire Release (493MB) » View/download individual files in this release



5. Click **View/download individual files in this release** under the AT-UWC-Install v2.0.1.B01 section.

The available AT-UWC files are listed as shown in Figure 4 on page 6.

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Allied Tel	esis™		Choos	b STATES AND CANADA se Region	
Solutions Services I	Products Support About	Purchase	Search		
Support Home » support » restric	TED SOFTWARE » DOWNLOADS				
 » Support Center » Software » Documentation 	Restricted Soft	ware Dov	vnloads		
» Replacement Services	AT- UWC Series			~	
 » Open Source Downloads » Warranties 	» AT-UWC v2.0.1.B01				
» Service Contracts	RELEASE DATE: 1 Oct 2013				
 Training Software for AT-UWC series (GA type). Customers are encouraged to review the release notes for any updates or improvements that could apply to their deployment. Download Entire Release (11MB) View/download individual files in this release 					
	» AT-UWC-Install v2.0.1.B01				
	RELEASE DATE: 1 Oct 2013				
	Software installation program for A includes the main application AT-U	T-UWC. Note, the utility WC-2.0.1.B01.	 Download Entire Release (493MB) View/download individual files in thi 	is release	
Release Details for AT-UWC-Install v2.0.1.B01					
	Name	Туре	Description	Size	
	» AT-UWC-2.0.1.B01-DVP	Software	Software Installation utility (.iso)	529,208Kb	
	» AT-UWC-2.0.1.B01	Software	Main Application	11,894Kb	
	» AT-UWC RN - v2.0.1.B01	Release Notes	Release Notes	148Kb	
	» AT-UWC MIB - v2.0.1.801	MIB	MIB files for release v2.0.1.B01, or later	71Kb	
	» A I-UWC-TrialST (NA)	Other	Free trial license, regulatory domain: North America RESERVED	55Kb	
http://software.alliedtelesis.com/	/download/f34:1.html	Other	Free trial license, regulatory domain: World Wide (EXCEPT North America)	55Kb 🗸	

Figure 4. Restricted Software Downloads AT-UWC Page

Select AT-UWC-2.0.1.B01-DVD from the list and save it onto your system.

Creating the AT-UWC-Install DVD or CD

To create an AT-UWC-Install DVD or CD, you must burn or write the ISO image to a DVD or CD. Ensure that you have a program to burn or write an ISO file to a DVD or CD disc on your system.

The steps to burn or write a DVD or CD depend upon the program. Refer to the instructions for your particular program.

Installing the AT-UWC WLAN Controller

	To install AT-UWC WLAN Controller onto a server, you must boot the server from the DVD or CD that the AT-UWC-Install ISO image is written to.				
	You can install the AT-UWC WLAN Controller onto a PC-based server or a virtual machine.				
Requirements for a PC-based	To install the AT-UWC WLAN Controller onto a PC-based server, the PC must meet the following requirements:				
Server	3.10 GHz or faster x86 processor				
	I Gigabyte or larger RAM (4 Gigabyte is recommended)				
	B0 Gigabyte or larger Hard Disk				
	DVD ROM				
	 Gigabit Ethernet Network Interface Card compatible with the IEEE 802.1q standard 				
	Monitor				
	□ Keyboard				
Supported	The following list shows the supported virtual machine platforms:				
Virtual Machine	VMware vSphere (v5.1)				
Flatiorilis	 Microsoft Windows Server 2008 R2 (Hyper-V 2.0) 				
	Microsoft Windows 8 (Hyper-V 2.0)				
	Note The procedures for installing the AT-UWC WLAN Controller onto a virtual machine vary depending upon your virtual machine settings. Refer to "Installing the AT-UWC WLAN Controller onto a PC," next.				
Installing the	To install the AT-UWC WLAN Controller onto a PC, do the following:				
AT-UWC WLAN					
Controller onto a	1. Connect a monitor and keyboard to a PC.				
PC	2. Power on the PC and monitor.				



When you boot a PC-based server with the DVD or CD, the installation program deletes all the data in the HDD.

3. Insert the AT-UWC-Install DVD or CD in the DVD driver on the PC.

The Allied Telesis Unified Wireless Controller installation program screen is displayed as shown in Figure 5.



Figure 5. Allied Telesis Unified Wireless Controller installation Screen

4. Press the Enter key.

The installation program starts to install the AT-UWC application, including an operating system called CentOS. It may take five or six minutes.

When the installation is complete, the screen appears as shown in Figure 6. The DVD tray may eject automatically.



Figure 6. Allied Telesis Unified Wireless Controller installation Complete

5. Remove the DVD from the tray.

Meanwhile, the server reboots and starts the AT-UWC WLAN Controller.

Preparing the Management Workstation

To register the license key or configure the AT-UWC WLAN Controller, you must have a management workstation to access the AT-UWC WLAN Controller.

The management workstation is a computer that you use to manage the AT-UWC WLAN Controller. The management workstation must be connected to the network that the AT-UWC WLAN Controller server belongs to. See an example shown in Figure 7.



Figure 7. AT-UWC WLAN Controller and Management Workstation

The AT-UWC WLAN Controller server has the following default IP address and subnet mask assigned:

192.168.1.1/255.255.255.0

For the first time you access the AT-UWC WLAN Controller server, your management workstation must have an IP address in the following range:

192.168.1.2 to 192.168.1.254

Note

To change the IP address of the management workstation, see "Changing the IP Address" on page 15.

The management workstation must have the following applications:

- □ Windows Internet Explorer 7 or 8 with Java Plug-in
- oracle Java Runtime Environment Version 6
- JavaScript

Note

To enable JavaScript, see "Enabling JavaScript" on page 19.

The AT-UWC WLAN Controller is managed from the management workstation through the web interface.

To start a management session of the AT-UWC WLAN Controller, do the following:

1. Login to the management workstation.

If you do not have a management workstation, see "Preparing the Management Workstation" on page 10.

2. Open Internet Explorer 7 or 8, and enter the IP address of the AT-UWC WLAN Controller server.

The default IP address is 192.168.1.1.

3. Enter the user name and password. See Figure 8.

The following are the default settings:

- User name: manager
- D Password: friend

← 会 🥖 kttp://192.168.1.1/fastpath_login.html	D⊠¢	🥖 AT-UWC Login	×	🟠 🛣
			4 1000	
			ł	
			Allied I	elesis
	User Name m	anager		
	Password •	••••		
	L	.ogin		
		10		
©2011-2013 Allied Telesis Holdings K.K. All rights reserved	i. More the subscience of	onnecting quarthing R the Com	eacting asserthing lags, FASTDATE	JP and
MasterDriver® are among the trademarks of Broadcom Corp trade names mentioned are the property of their respective or	oration and/or its affiliates vners.	in the United States, certain oth	er countries and/or the EU. Any othe	er trademarks or



4. Press Login.

Registering the License Key

	Registering the license key activates the AT-UWC WLAN Controller. For the first time you login to the AT-UWC WLAN Controller, you must register the license key.			
License Key	The license key is formed with the following two information:			
	 A serial number An authentication key 			
	When you purchase the AT-UWC WLAN Controller software, you obtain a license key that allows you to control 10 access point devices. To control more access point devices, you can purchase additional license key.			
30-day Free Trial License	Allied Telesis offers a 30-day free trial for new users. Two types of free trial license keys are available:			
	AT-UWC-TrialST (NA): for users in North America			
	AT-UWC-TrialST (WW): for users worldwide except North America			
	You can download a free trial license from Allied Telesis Restricted Software Downloads website. To obtain a free trial license, see "Downloading the AT-UWC-Install ISO File" on page 3 and follow the instructions. On step 6, save AT-UWC-TrialST_(NA).pdf or AT-UWC-TrialST_(WW).pdf.			
Registering the	To register the license key, do the following:			
License Key	1. Start a management session.			
	See "Starting a Management Session" on page 11.			
	 From the Navigation panel on the left, go to System > License > License. 			

The License screen is displayed as shown in Figure 9 on page 13.

C C A http://192.168.1.1/fastpath_	login.html D → 🖄	C AT-UWC	×	いた。 第2510日
		Unified W	lireless Contr	oller
Allied lelesis	ెజెక్ 8 కి 2 రెంచి X ్ రెంచ్ సింజ హో 5 హో		1 7 7 Section 4 16 17 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	F 8 7 7 5m 8
Navigation	License Managemen	+		Logout
Harigation	Election management	•		
System	Country Code	N/A		
THE Save All Applied Changes	AP License	0		
ARP Cache	Current Managed AP	0		
System Resources	ourrent managed Ar	Ū		
Configuration	Serial Numbe	r	Description	Remove
Forwarding Database				
B SNMP		Add Serial N	Number Submit	
E Statistics			13	
🗉 📄 System Utilities				
🖲 🧰 Trap Manager				
🗄 🧰 DNS				
D SNTP				
B Witching				
P Security				
🗄 🧰 WLAN				

Figure 9. AT-UWC WLAN Controller License Screen

3. Press Add Serial Number.

The Add Serial Number screen is displayed as shown in Figure 10.

	h_login.html 🔎 🗸 {	2 C 🥖 AT-UWC	×	- • ×
Allied Telesis	Allied Telesi	s Unified Wir	eless Controller	-
Navigation	Add Serial Number			? Help
System System System System System System Resources System Configuration Configuration Configuration Configuration Sources Sources System Utilities System System System Utilities System System Sy	Serial Number Authentication Key	7025-0317-0331 0137-2376-5539 Submit	XXXX-XXXX-XXXX) X (XXXX-XXXX-XXXX) Back	



- 4. Enter your serial number and authentication key.
- 5. Press Submit.
- From the Navigation panel on the left, go to System Utilities > System Reset.
- 7. Click Reset.

The AT-UWC WLAN Controller server reboots.

Note

To reboot the AT-UWC WLAN Controller from a PC-based server, press Ctrl+Alt+Delete keys from the keyboard of the server.

8. From the **Navigation** panel on the left, go to **System** > **License** > **License**.

The license Management screen appears as shown in Figure 11.

A ttp://192.168.1.1/fastpath_	login.html	₽ + ₽	C 🖉 AT-UWC ×	- • ×
Allied Telesis	Allied Te	lesis	Unified Wireless Controller	
Navigation	License Manag	gement		Provide the construction of the construction o
 System B Save All Applied Changes ⇒ System ↓ B ARP Cache 	Country Code AP License Current Managed	I AP	Worldwide 10 0	
System Resources Configuration Forwarding Database Configuration Configurati	Serial Number 7025-0317-0331	AT-UW	Description IC-Trial-Lic: Expiration date: Thu Nov 7 22:01:08 2013 Add Serial Number Submit	Remove

Figure 11. AT-UWC WLAN Controller License Management Screen

- 9. Confirm that the license key is properly registered.
- 10. If you want to add another license key, repeat steps 2 to 5.

Note

When you add another license key, you do not need to reboot the AT-UWC WLAN Controller server.

Changing the IP Address

When you access the AT-UWC WLAN Controller from the management workstation, it must have an IP address form the same network as the AT-UWC WLAN Controllerserver.

The procedures for changing the IP address is slightly different among Windows Operating Systems. The following is the procedures using Windows 7 as an example.

To change the IP address of a PC installed on Windows 7, do the following:

1. Click Control Panel from the Start button.

The control panel appears as shown in Figure 12.



Figure 12. Control Panel

2. Click **Category** at the upper right corner of the window and select **Large icons**.

Control Panel displays items with large icons as shown in Figure 13 on page 16.

								×
$\bigcirc \bigcirc$	Control Panel + All Contro	ol Panel I	iems 🕨			▼ 4	earch Control Panel	Q
Adjus	st your computer's settings						View by: Large icons 🔻	
p	Action Center	¢.	Administrative Tools		AutoPlay	*	Backup and Restore	-
1	Color Management	Ø	Credential Manager	P	Date and Time	۲	Default Programs	
	Desktop Gadgets	-	Device Manager		Devices and Printers	4	Display	
٢	Ease of Access Center	£	Flash Player (32-bit)		Folder Options	A	Fonts	
	Getting Started	•	HomeGroup	R	Indexing Options		Intel(R) Graphics and Media	ш
•	Intel® Rapid Storage Technology	P	Internet Options	~	Keyboard		Location and Other Sensors	
	Mail (32-bit)	Ĩ	Mouse	4	Network and Sharing		Notification Area Icons	
	Performance Information and Tools		Personalization	۵.	Phone and Modem	٢	Power Options	
1	Programs and Features	Ń	Recovery	٩	Region and Language	-	RemoteApp and Desktop Connections	
O	Sound	Ģ	Speech Recognition	@	Symantec LiveUpdate (32-bit)	۲	Sync Center	
	Svstem		Taskbar and Start Menu	RIA I	Troubleshootina	<u>\$2</u>	User Accounts	-

Figure 13. Control Panel with Large Icons

3. Click Network and Sharing Center.

The Basic Network Information window appears as shown in Figure 14.



Figure 14. Network Information Window

4. Click Local Area Connection.

The Local Area Connection Status window appears as shown in Figure 15.

🃮 Local Area Connecti	on Status
General	
Connection	
IPv4 Connectivity:	Internet
IPv6 Connectivity:	No Internet access
Media State:	Enabled
Duration:	00:54:52
Speed:	100.0 Mbps
D <u>e</u> tails	
Activity	
	Sent — 💭 — Received
Bytes:	5,053,786 295,297,896
	Disable Diagnose
	Close

Figure 15. Local Area Connection Status Window

5. Click the **Properties** button at the bottom.

The Local Area Connection Properties window appears as shown in Figure 16.

Local Area Connection Properties	×
Networking Sharing	
Connect using:	
Intel(R) 82577LM Gigabit Network Connection	
Configure	Ĩ
This connection uses the following items:	
Client for Microsoft Networks	11
🗹 📮 QoS Packet Scheduler	
File and Printer Sharing for Microsoft Networks	
Internet Protocol Version 6 (TCP/IPv6)	
Internet Protocol Version 4 (TCP/IPv4)	
🗹 🔺 Link-Layer Topology 🖉 covery Mapper I/O Driver	
🗹 📥 Link-Layer Topology Discovery Responder	
Install Uninstall Properties	
Transmission Control Protocol/Internet Protocol. The default	
wide area network protocol that provides communication	
across diverse interconnected networks.	Л
	_
UK Cancel	

Figure 16. Local Area Connection Properties Window

6. Double-click Internet Protocol Version 4 (TCP/IPv4).

The Internet Protocol Version 4 (IPv4) Properties window appears as shown in Figure 17.

Internet Protocol Version 4 (TCP/IPv4)	Properties	? 💌
General		
You can get IP settings assigned autor this capability. Otherwise, you need to for the appropriate IP settings.	natically if your netwo ask your network adr	rk supports ninistrator
Obtain an IP address automatical	ly	
Use the following IP address:		
IP address:		
Subnet mask:		
Default gateway:		
Obtain DNS server address autor	natically	
• Use the following DNS server add	resses:	
Preferred DNS server:		
Alternate DNS server:		
Validate settings upon exit	A	d <u>v</u> anced
	ОК	Cancel

Figure 17. IPv4 Properties Window

7. Enter the IP address and Subnet mask. See Figure 18.

Internet Protocol Version 4 (TCP/IPv4)	Properties
General	
You can get IP settings assigned auton this capability. Otherwise, you need to for the appropriate IP settings.	natically if your network supports ask your network administrator
Obtain an IP address automatical	ly
• Use the following IP address:	
IP address:	192.168.1.30
Subnet mask:	255.255.255.0
Default gateway:	
Obtain DNS server address auton	natically
• Use the following DNS server add	resses:
Preferred DNS server:	
Alternate DNS server:	· · ·
Vajidate settings upon exit	Ad <u>v</u> anced
	OK Cancel

Figure 18. IPv4 Properties Window Example

8. Click OK.

Enabling JavaScript

To access the AT-UWC WLAN Controller, you must enable JavaScript for your Windows Internet Explorer. You can enable JavaScript only when accessing the AT-UWC WLAN Controller.

Note When JavaScript is already enabled, you do not have to change the setting.

To enable JavaScript only for the AT-UWC WLAN Controller, do the following:

- 1. Open the Windows Internet Explorer.
- 2. Click **Tools** from the menu bar.
- 3. Select Internet options from the drop-down menu.

The Internet Options window pops up.

4. Click the **Security** tab on the Internet Options window.

The Internet Options window appears as shown in Figure 19.



Figure 19. Internet Options Window Security Tab

5. Select the **Trusted sites** icon in the box and press the **Sites** button.

The Trusted sites window appears as shown in Figure 20.

Trusted sites	×
You can add and remove websites from this zon this zone will use the zone's security settings.	e. All websites in
Add this website to the zone:	
http://192.168.1.1	Add
Websites:	145
	Remove
Require server verification (https:) for all sites in this	zone
	Close

Figure 20. Trusted Sites Window

6. Enter the IP address of the AT-UWC WLAN Controller server and check the checkbox of "Require server verification (https:) for all sites in this zone.

Note

By the default, the IP address of the AT-UWC WLAN Controller server 192.168.1.1.

7. Click Add.

The Security Settings Internet Zone window appears as shown in Figure 21 on page 21.

Security Settings - Internet Zone
Settings
Scripting
Active scripting
 Disable
Enable
O Prokipt
Allow Programmatic clipboard access
O Disable
© Enable
Prompt
Signal Allow status bar updates via script
Disable Tackla
Enable Allow websites to second for information using eminted winds
Allow websites to prompt for information using scripted windt Disable
Enable
✓ III →
*Takes effect after you restart your computer
Reset custom settings
Reset to: Medium-high (default) ▼ Reset
OK Cancel

Figure 21. Security Settings Window

- 8. Change the setting of Active scripting to **Enable**.
- 9. Click **OK**.
- 10. Restart the Internet Explorer.

JavaScript is enabled only when you access the AT-UWC WLAN Controller.

Modifying the Settings

The AT-UWC WLAN Controller allows you to modify the settings on the AT-UWC WLAN Controller to meet your requirements. This section shows how to modify and save the setting of the default gateway as an example and view the AP Profiles page to see tabs and sub-tabs.

Note

When you press the Submit button, your changes are stored in the running configuration. The settings in the running configuration are deleted when the AT-UWC WLAN Controller reboots. If you want to keep your changes, see "Saving the Changes" on page 26.

To assign a default gateway, do the following:

- 1. Start a management session. See "Starting a Management Session" on page 11.
- 2. Click the + icon next to the Configuration folder.

The folder expands as shown in Figure 22.

				- • •
C 🔿 🖉 http://192.168.1.1/fastpath_	_login.html 🔎 🗸	🗟 ර 🏉 AT-UWC	×	🟠 🛣 🔅
Allied Telesis	Allied Telesis	Unified Wirel	ess Controller	
Mandanatian	Queters Description			Logout
Navigation	System Description			? неф
System	System Description	AT-UWC Linux Edi	tion, ver 2.0.1.B01, Fri 30 Aug 20	13 04:35:53 PM JST
🗄 🔄 System	System Name		(0 to 255 characters)	
ARP Cache	System Location		(0 to 255 characters)	
System Resources	System Contact		(0 to 255 characters)	
System Description	IP Address	192.168.1.1		
Network Connectivity	System Up Time	0 davs, 0 hours, 4	mins 8 secs	
Telnet Session	Current SNTP Synchronizer	Time Not Synchronized		
User Accounts	ourient of the option of the	The Not Synchronized		
Login Sessions		Submit	Refresh	
		Cobint	(circon)	
B 📄 SNMP				
Cartistics				
B System Utilities				
B DNS				
B SNTP				
🗉 🚞 License				
Bin Switching				
E Security				
ET WLAN				



3. Click the Network Connectivity item on the expanded list.

The Network Connectivity Configuration screen is displayed as shown in Figure 23.

A ttp://192.168.1.1/fastpath	_login_fail.html	🗟 Ċ 🥖 AT-UWC 🗙 🖉	- • ×
Allied Telesis	Allied Telesis	Unified Wireless Cor	troller
Navigation	Network Connectivity C	configuration	Logout ? Help
System	Interface Status	Up	
Save All Applied Changes	IPv4		
ARP Cache	IP Address	192 168 1 1	
System Resources	Subnet Mask	255,255,255,0	
System Description	Default Gateway	0.0.0	
Network Connectivity	Burned In MAC Address	00:90:FB:48:BC:20	
Telnet Session	Management VLAN ID	1	
User Accounts		1.	
Login Sessions		Submit	
E Logs			
E 📄 SNMP			
Statistics			
B Trap Manager			
🖲 🧰 DNS			
B 💼 SNTP			
E License			
Ut Switching			
E WLAN			
http://192.168.1.1/NetworkConnectivityCo	nfia.html		



4. Enter a default gateway address.

When you change the setting, the message, "System has unsaved changes" appears under the Allied Telesis logo on the screen as shown in Figure 24 on page 24.

(-) Ø http://192.168.1.1/fastpath	n_login_fail.html	- ≅ ¢ Ø AT-UWC ×	- • ×
Allied Telesis	Allied Telesis	Unified Wireless Controller	
Navigation	Network Connectivity	Configuration	Property Cogout
System Save All Applied Changes System System System Resources Configuration System Description System Description System Connectivity System Utilities System System Utilities System System Utilities System System S	Interface Status IPv4 IP Address Subnet Mask Default Gateway Burned In MAC Address Management VLAN ID	Up 192.168.1.1 255.255.255.0 192.168.1.254 00:90:FB:48:BC:20 1 Submit	

Figure 24. AT-UWC WLAN Controller Network Connectivity Configuration

5. Click Submit.

The change is saved in the running configuration.

Note

The change is applied immediately; however, you lose the change when the server reboots. To save your changes to the startup configuration, See "Saving the Changes" on page 26.

To view a page with multiple tabs and sub-tabs, do the following:

1. Click the + icon next to the **WLAN** folder.

The folder expands and list items inside the folder.

- 2. Click the + icon next to the Advanced Configuration folder.
- 3. Select the **AP Profiles** item on the expanded list.

AP profile names are listed.

- 4. Select one of the AP profile names on the list.
- 5. Click the VAP sub-tab under the Default tab.

The Access Point Profile VAP Configuration screen is displayed as shown in Figure 25.

(-) (2) http://192.168.1.1/fastpath_l	login_fail.html 🔎 🕶 🔯	් 💋 AT-UWC	×	- • • ×
Allied Telesis	Allied Telesis U	nified Wireless	s Controller	Logout
Navigation	Summary Default			
	Global	Radio	VAP	QoS
System	Access Point Profile VAP	Configuration		? Help
System System Switching Security		◉ 1-802.11b/g/n ○ 2-	802.11a/n	AP Profile 1-Default
	Network	VLAN	Hide SSID	Security
Basic Setup	✓ 1 - Guest Network ∨	Edit 1-default	Disabled	None
AP Management	2 - Managed SSID 2 🗸	Edit 1-default	Disabled	None
	3 - Managed SSID 3 🗸 E	dit 1-default	Disabled	None
Advanced Configuration	4 - Managed SSID 4 🗸 E	dit 1-default	Disabled	None
	5 - Managed SSID 5 🗸 🛛	Edit 1-default	Disabled	None
E Known Client	6 - Managed SSID 6 🗸	Edit 1-default	Disabled	None
E Networks	🗌 7 - Managed SSID 7 🗸	Edit 1-default	Disabled	None
AP Profiles	8 - Managed SSID 8 🗸 E	dit 1-default	Disabled	None
- Peer Controller	9 - Managed SSID 9 🗸 E	dit 1-default	Disabled	None
WIDS Security	10 - Managed SSID 10 🗸	Edit 1-default	Disabled	None
IUO E	11 - Managed SSID 11 V	dit 1-default	Disabled	None
WDS Configuration	12 - Managed SSID 12 V E	dit 1-default	Disabled	None
🗄 🧰 Network Visualization	13 - Managed SSID 13 V	dit 1-default	Disabled	None
	14 - Managed SSID 14 🗸 E	dit 1-default	Disabled	None
	15 - Managed SSID 15 V E	dit 1-default	Disabled	None
	□ 16 - Managed SSID 16 V E	dit 1-default	Disabled	None
http://192.168.1.1/profile_vap_summ.html		Refresh	nit	

Figure 25. AT-UWC WLAN Controller AP Profile Screen

This screen has multiple tabs, such as Summary and Default. Each tab has multiple sub-tabs. You must press the **Submit** button to save your changes to the running configuration before you go to another page using a tab or sub-tab.

Note

If you do not press the Submit button before moving to another page, you lose the changes that you just made.

Saving the Changes

When you change settings of the AT-UWC WLAN Controller and click the Submit button on each page, the changes are stored in the running configuration. The settings in the running configuration are deleted when the AT-UWC WLAN Controller reboots. You must save the changes to the startup configuration if you want to keep the changes after the AT-UWC WLAN Controller reboots.

To save the changes to the startup configuration, do the following:

 Start a management session. See "Starting a Management Session" on page 11.

The Allied Telesis Unified Wireless Controller starts as shown in Figure 26.

	ogin.html ♀ ॡ ⊄	at-uwc	×	- □ × ☆ ☆
Allied Telesis	Allied Telesis Uni	fied Wireless	Controller	
A System has unsaved changes.				Logout
Navigation	System Description			? Help
System	System Description	AT-UWC Linux Edition, ve	er 2.0.1.B01, Fri 30 Aug 2013 04:	35:53 PM JST
🕒 🔁 System	System Name	Allied Telesis Inc.	(0 to 255 characters)	
Switching Security	System Location	3041 Orchard Parlway S.	(0 to 255 characters)	
₩LAN	System Contact	+1 800 424 4284	(0 to 255 characters)	
	IP Address	192.168.1.1		
	System Up Time	0 days, 0 hours, 29 mins 1	17 secs	
	Current SNTP Synchronized Time	Not Synchronized		
http://192.168.1.1/SaveAllChanges.html		Submit Refresh		

Figure 26. AT-UWC WLAN Controller Screen

 From the Navigation panel on the left, go to System > Save All Applied Changes.

The Save All Applied Changes screen is displayed as shown in Figure 27 on page 27.

igin.html 오 ~ 물 C 🦉 AT-UWC 🗙	- • ×
Allied Telesis Unified Wireless Controller	
	Logout
Save All Applied Changes	? Help
Saving all applied changes will cause all changes to configuration panels that were app saved, to be saved, thus retaining their new values across a system reboot.	lied, but not
	Allied Telesis Unified Wireless Controller Save All Applied Changes Saving all applied changes will cause all changes to configuration panels that were app saved, to be saved, thus retaining their new values across a system reboot.

Figure 27. AT-UWC WLAN Controller Save Changes Screen

3. Click Save.

The Confirmation window appears as shown in Figure 28.



Figure 28. Confirmation Window

The changes are saved to the startup configuration.

Using Online Help

When you have a question about the AT-UWC WLAN Controller, the Online Help can be a good place to look for your answer.

To access the Online Help, do the following:

1. Start a management session. See "Starting a Management Session" on page 11.

The Allied Telesis Unified Wireless Controller screen is displayed as shown in Figure 29.

			- • •
C () (http://192.168.1.1/fastpath	login.html 🔎 🗸	≥ C @ AT-UWC ×	₩ ₩
Allied Telesis	Allied Telesis	Unified Wireless Controller	
Navigation	Network Connectivity C	configuration	Logout ? Help
System	Interface Status	LID	\Box
Save All Applied Changes	Interface status	00	
System	IPv4		
System Resources	IP Address	192.168.1.1	
	Subnet Mask	255.255.255.0	
System Description	Default Gateway	192.168.1.254	
Network Connectivity	Burned In MAC Address	00:90:FB:48:BC:20	
Telnet Session	Management VLAN ID	1	
User Accounts			
Login Sessions		Submit	
Forwarding Database			
B SNMP			
🗄 📋 Statistics			
🖲 🧰 System Utilities			
🗷 🧰 Trap Manager			
Switching			
Security			
🗄 🛅 WLAN			
http://192.168.1.1/NetworkConnectivityCor	nfig.html#		

Figure 29. AT-UWC WLAN Controller Screen

2. Click ?Help.

The Online Help is displayed shown in Figure 30 on page 29.





3. Click the **TOC** button at the lower left corner of the screen.

The Online Help Table of Contents is displayed shown in Figure 31 on page 30.





4. Click the **Configuration** on the Table of Contents for example.

The Online Help Configuration portion is displayed shown in Figure 32 on page 31.



Figure 32. AT-UWC WLAN Controller Online Help Example

Ending a Management Session

You can end a management session at any time during a management session.

To end a management session, do the following:

1. Save the changes to the startup configuration.

See "Saving the Changes" on page 26. If you do not want to save your changes, skip this step.

2. Click the **Logout** button on the right side of the screen.

See Figure 33 as an example.

C () (2 http://192.168.1.1/fastpath	Jogin.html 🔎 🗧 🖻 🖉 🖝 - UWC 🛛 🗙	- • ×
Allied Telesis	Allied Telesis Unified Wireless Controller	
Navigation	Save All Applied Changes	Logout ? Help ³
System Save All Applied Changes Government System Government Switching Government Security	Saving all applied changes will cause all changes to configuration panels that were applie saved, to be saved, thus retaining their new values across a system reboot.	- ⊧d, but not
Bi WLAN		

Figure 33. AT-UWC WLAN Controller Screen

The management session ends.

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