## Auburn Montgomery AUM Wi-Fi

## Mac OS X

User's Guide & System Documentation



### MONTGOMERY

September 2015

Wi-Fi Mac OS X

For: Student Campus Fac Staff

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### Welcome to the AUM Systems Guide for Mac OS X. In this guide you will find instructions on how to configure your Mac OS X to AUM Wireless networks.

# **Note:** Make sure you *READ* the instructions carefully before you follow what the images display. *Images may not match what the instructions are telling you to do.*

#### System Requirements:

- Laptop Computer
- Mac OS X 10.6 and newer
- A 802.11B or 802.11G (Wi-Fi) wireless card, either internal, USB, or PCMCIA slot plugged into the side of your laptop
- An account to use

Students, Faculty, and Staff will need to have their laptop configured properly in order to access the AUM wireless system and will use their third party ID, "Campus E-mail" account to use and login to the network.

The AUM Wireless System is available in each of the classroom buildings on the AUM campus, including the Library Tower. Each building will have a wireless "SSID" that will allow the user to log in. The Following is a "SSID" list of the AUM wireless networks.

<u><b>SSID</b></u>	User Types
WarHawk-Student	Wireless for students in classroom buildings
WarHawk-FacStaff	Wireless for faculty and staff in classroom buildings

### **Connecting to AUM Wi-Fi >> Using Airport Icon**

1. To log into the wireless using a Mac, first click on the "**Airport Icon**" (Wi-Fi Menu) in the Apple menu bar.

2. Click on the "SSID" of the wireless network you are trying to access. This example is using the SSID "WarHawk-Student".

5 A 8 3 X	🖘 🗣 Tue 10:58 AM 🛛 Sarah	QIE
Airport Icon	Wi-Fi: On Turn Wi-Fi Off	1
	No network selected AUM-BKS AUM-NC AUM-RH AUM-WH HP-Print-c5-LaserJet 100 TC1-Aux WarHawk-EacStaff	
	WarHawk SE WarHawk-Student	

3. When prompted, enter your **AUM username and password**. Leave the Mode as *Automatic* and verify the **"Remember this network"** box is checked.

Then click "Join".

2	WPA2 enter	prise credentials.
	Mode:	Automatic
	Username:	ssincla1
	Password:	
		<ul> <li>□ Show password</li> <li>✓ Remember this network</li> </ul>

4. You will then prompted to accept the authentication server's certificate to initiate encryption. This keeps your AUM username and password safe.

To accept the certificate permanently, click on "Show Certificate".



5. The "Verify Certificate" window will then expand to show information about the certificate. The certificate will be for "**wxahuh-test.aum.edu**", issued by "**aum-dc-02**".

Make sure the box next to Always trust "wxauth-test.aum.edu" is checked.

Click "Continue".

0.0	Verify Certificate
$\bigcirc$	Authenticating to network "WarHawk-Student"
0	Before authenticating to server "wxauth-test.aum.edu", you should examine the server's certificate to ensure that it is appropriate for this network.
	To view the certificate, click 'Show Certificate'.
	n=test.aum.edu
	h-test.aum.edu
	n-test.aum.edu
Certificati	wxauth-test.aum.edu
Certificate	wxauth-test.aum.edu Issued by: aum-dc-02
Certificati	wxauth-test.aum.edu Issued by: aum-dc-02 Expires: Friday, December 5, 2014 12:01:33 PM Central Standard Time
Certificate	wxauth-test.aum.edu Issued by: aum-dc-02 Expires: Friday, December 5, 2014 12:01:33 PM Central Standard Time Time This certificate was signed by an unknown authority
Certificati Certification	wxauth-test.aum.edu Issued by: aum-dc-02 Expires: Friday, December 5, 2014 12:01:33 PM Central Standard Time This certificate was signed by an unknown authority
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Centificati → Trust → Dotaile	wxauth-test.aum.edu Issued by: aum-dc-02 Expires: Friday, December 5, 2014 12:01:33 PM Central Standard Time This certificate was signed by an unknown authority

6. Mac OS X will then attempt to modify the certificate's trust settings in your login keychain and ask for your password.

To unlock your login keychain and trust the certificate, enter the **username and password for your computer.** 

Then click "**Update Settings**". It may take several seconds for your computer to connect to the wireless network.

9	You are mak Trust Setting this.	ing changes to yo is. Type your pass	sword to allow	nine
	Name: 5	iarah		
d an	Password:			
6				
		Cancel	Update Settings	ノー
Continue	Issued by: aum-dc-02 Expires: Friday, Decemination	ber 5, 2014 12:01:33	PM Central Standard	
	O This certificate was a	ligned by an unknown	authority	
* trust	in using this certificate:	Always Trust	: ?	
Whe				
Whe Extensible	e Authentication (EAP)	Always Trust	1	
Whe	e Authentication (EAP) X.509 Basic Policy	Always Trust Always Trust	1	

7. To verify your connection to the wireless network, click on the "**Wi-Fi Menu**" and see that "**WarHawk-Student**" is checked.

5 \$	🛜 🔹 Tue 11:01 AM 🛛 Sarah	QIE
1 1 2	Wi-Fi: On	1
1.	Turn Wi-FI Off	17
	✓ WarHawk-Student	
	AUM-BKS	A TO
SOLM.	AUM-NC	
5.4.1	AUM-RH	19
	AUM-WH	
1.1.13	HP-Print-c5-LaserJet 100	<b>a</b>
15 June	TC1-Aux	
31 telset	WarHawk-FacStaff	199
	WarHawk-SE	
april 2	Devices	

### **Connecting to AUM Wi-Fi >> Using Network Preferences**

1. Click on the Airport/WiFi icon on the top righ corner of the screen, and select **"Open Network Preferences"**.



2. On the far left side of the window, select "Wi-Fi".

Next, click "Advanced".

00		Network		
	]			Q
	Location:	Automatic		\$
Ethernet Connected     Bluetooth PAN	<ul> <li></li></ul>	Status:	off	Turn Wi-Fi On
o Wi-Fi		Network Name:	WE 5: 0#	
Off		Network Name.	WI-FI: Off	•
Off		Network Harre.	Ask to join r Known network If no known net be asked before	new networks s will be joined automatically. works are available, you will e joining a new network.

3. Click the "Add Wi-Fi network" button, indicated by a plus (+) sign.

Network	
AE	9
TCP/IP DNS WINS 802.1X Provies	Hardware
Preferred Networks:	Turn Mich On
Network Name Security	
	1
	and a
+ - Drag networks into the order you prefer.	the set of the set of the
Remember networks this computer has joined	
Require administrator authorization to:	
Create computer-to-computer networks	
Turn Wi-Fi on or off	
Wi-Fi Address: 7c 6d 62:79 5b c1	
the second second second status in marks but	
	TCP/IP DNS WINS 802.1X Proxies  Preferred Networks:      Network Name     Security      Drag networks into the order you prefer.      Remember networks this computer has joined Require administrator authorization to:      Create computer-to-computer networks      Drag networks      Turn Wi-Fi on or off      Wi-Fi Address: 7c:6d:62:79:5b:c1

4. Enter the following >>

Network Name: **SSID you are trying to access** (example: WarHawk-Student) Sercuity: **WPA2-Enterprise** 

Username: enter your AUM username Password: your AUM password

Click "**Ok**".

000	Network	
Show All		Q
Wi-Fi Add a Wi-Fi Enter the name add.	network profile. e and security type of the profile you wa	nt to
Network Name:	WarHawk-Student	
Security:	WPA2 Enterprise	
Mode:	Automatic	
Username:	1	
Password:		
	Show password	
(?) Choose a networ	k Cancel	OK
Turn Wi-Fi on c	or off	
Wi-Fi Address: 7c:6	d:62:79:5b:c1	
()	es (Ausstern)	Cancel OK

5. After the network profile is created, click "OK".

C Chan All		initian de la companya de la compa	0
Show All			(u
W1-P1			
W	TCP/IP DNS W	NS 802.1X Proxies	Hardware
	Preferred Networks:		
	North Name	Security	
	WarHawk-Student	WPA2 Enterprise	
			111
	+ - Drag networks into	o the order you prefer.	
	Remember networks t	his computer has joined	
	Require administrator aut	thorization to:	
	Create computer-to	-computer networks	
	Change networks		
	Turn Wi-Fi on or off		
	WI-FI Address: 7c:6d:62:	79.5b:c1	
			Cancel

6. Click "Turn Wi-Fi On".

	Location:	Automatic		•
Ethernet Connected Bluetooth PAN	⇔ @	Status:	off	Turn Wi-Fi On
Wi-Fi		Network Name:	WI-FI: Off Ask to join ne Known networks w If no known networks w If no known networks be be asked before jo	* w networks will be joined automatically. rks are available, you will ining a new network.
		Show Wi-Fi status	in menu bar	Advanced

7. Click "Apply".

Show All	Network	Q
Ethernet Connected     Bluetooth orr	Switching Wi-Fi power will caus changes to be lost. Would you li changes before switching Wi-Fi Don't Apply Cance	se any unsaved like to apply your l's power? On Apply
• Wi-Fi	Network Name: Wi-Fi: O ✓ Ask to Known n if no kno be asked	ff : join new networks etworks will be joined automatically. won networks are available, you will before joining a new network.
4 - 01	Show Wi-Fi status in menu b	bar Advanced 🤊

8. If you are within the AUM wireless access point you configured your laptop to, it will connect you automatically.

	Location	Automatic		:
Ethernet	$\Leftrightarrow$	Status:	Connected	Turn Wi-Fi Off
Bluetooth PAN	1		WI-Fi is connected t has the IP address 1	o WarHawk-Student and 92.168.53.186.
Wi-Fi     Connected	-	Network Name:	WarHawk-Stude	nt ÷
			Ask to join nev Known networks w If no known networ be asked before joint	w networks III be joined automatically. rks are available, you will ining a new network.
		802.1X:	Default	Disconnect
			Authenticated via PC Connect Time: 01:5	AP (MSCHAPv2) 2:14

### Troubleshooting >>

If your Mac cannot connect to the wireless network, even with a correct AUM username and password, it may be necessary to remove any previous usernames and passwords that Mac OS X may have saved.

1. First, click the "Finder" icon in the Dock.



2. Then, click the "Go" menu in the Menu Bar at the top of the screen.

Next, click "Utilities" from the Go menu.



3. Double-click on the "Keychain Access" icon.



4. In the Keychain Access application, make sure the "**login**" **keychain** is selected on the far left and click on the row starting with "**WarHawk-Student**".

		kayo	NUM ACCESS		
Click to lock the lo	pin keychain.				a
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login	A Wartfawk-Student				
and the second	Kind. 802. Di Pasaword				
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lysten koots	Apple ID Authentication	application password	Jan 27, 2014 10:05 59 AM		login
	7 Apple 10 we2 desc[back.com key	public key		44	login
	7 Apple ID well designations key	private key	**		logue
	Apple Persistent State Encryption	application password	Today, 7.58 AM		loga
	😳 aum-dc-02	network password	Nov 8, 2013 1 18:01 PM		login
	Chrome Safe Seorage	application passavore	Qui 18, 2013 4 05 45 PM		legin
	Com.apple.id _1124830773434	oentificate		Jun 27, 2016 9:56:06 AM	login
	A com appre of . Invariouspent spic	application password	Nov 5, 2013 12:07 16 PM	**	togen
	Com.apple.u. 3-A643CSFD8648	outificate		Jun 27, 2015 10:14:13 AM	login
	T COM ADDR M. 3-AG43C37D8048	public key	**	**	logon
	T com.apple.u3-A641C5FD8648	private key			login
Category	Com.apple.u3-A643CSFD8648	certificate		Jun 31, 2015 8 43 29 AM	logia
Al Iberta	T com.apple.u. 3-A643CSFD8648	public key			login
hasswords	COM.Apple.u	private key	**	**	logia
Secure Notes	A Exchange	application password	Oct 18, 2013 3 54 27 PM		login.
My Certificates	A Exchange	application password	Over 20, 2013 10:56:34 AM		login
(ms	A Exchange	application password	Jan 8, 2014 9:46:07 AM		login
Careful alan	A Exchange	application password	Jan 8, 2014 18:46 10 AM		login
(er streaters	mars.aum.edu	internet password	Jun 16, 2014 9:29:55 AM		login
	O shappytemp aubum adu	internet password	Today, 8:08 AM		login
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	G tipetime.auburt.adu	internet password	Today, 8:08 AM		login
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	A Warriank-Student	462-34 Password	Yesterday, 1-51 PM	(44)	login
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	anne attas com	Internet password	jan 31, 2014 8 59 22 AM	**	login
	awa atta com	internet perserved	War 18, 2014 3:10:51 PM		login
	anna (hapit com	Internet password	Way 14, 2014 8 28 59 AM		login
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	wanth-test aut adv	centificate	**	Dec 5, 2014 12:05 30 PM	login

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5. Click "Edit" in the Menu Bar.

, click " <b>De</b>	lete".					
Keychain Ac	cess Fie Edit Vew W	findow Help	82	-		Addition of the
Click to lock the l	ogin keychain. Redo		OWZ	and the second s		Q
Keychans login Priva_tedDatak Micrertificates Micrertificates	Cut Copy Copy Patteen Faste Delete	ed to Cliphourd	жс фжс ожс	a dest		
<ul> <li>PrivatedDatak</li> <li>System</li> <li>System Roots</li> </ul>	Apple 2 Keychain List Apple 2 Change Settir Apple 1 Change Settir Apple 1 Change Passy Apple 1 Find aum-di Chrom Special Chara Special Chara Special Chara Special Chara	ngs for Keychain "login word for Keychain "logi n cters xpc application password 1646 certificate	CHL " CHF fafa CHT Nov 5, 200	ed 4 10:05 59 AM 1 AM 1 1:18:01 PM 3 4:05:45 PM 13 12:07:16 PM	Expires Jul 26, 2017 2:16:09 PM      Jan 27, 2016 9:56:06 AM  Ian 27, 2015 10:14:13 AM	Keychain login login login login login login login login login
P com ap P com ap Category Com ap	com.apple.u3-A643C5F01     com.apple.u3-A643C5F01     com.apple.u3-A643C5F01     com.apple.u3-A643C5F01     com.apple.u3-A643C5F01	6648 public key 6648 private key 6648 certificate				login login
All Items	@ com.apple.u .3-A643CSFDI	648 public key				login
L Passwords	P com.apple.w. 3-A641CSFDE	648 private key				login
Secure Notes	A Exchange	application password	Oct 18, 20	13 3:54:27 PM		login
E My Cambridge	A Exchange	application password	Dec 20, 20	13 10 56 34 AM		login
C Hard	A Exchange	application password	Jan 8, 200	4 9:46:07 AM	**	login
1 Meys	A Fachance	involution passaged	Inn # 201	4 10-45 10 AM		Inclin

6. When prompted to confirm deletion of the WarHawk-Student password, click "Delete" to continue.

00		Keyc	hain Access		
Click to lock the lo	ogin keychain.				9
Keychains login PrivatedDatak Micrertificates Micrertificates	WarHawk Kind: 802. Account s Where: Cor Modified: 1	Are you sure "WarHawk-S keychain?	you want to delete tudent" from the login		
PrivatedDatak	Name		Cance	Delete	Keychain
System	Apple Applic ificati			11 /0 PM	login
System Roots	Apple ID Authentication	application password	Jan 27, 2014 10:05:59 A		login
	P Apple ID we2dee@aoi.com key	public key		**	login
	P Apple ID we2dee@aol.com key	private key	**		login
	Apple Persistent State Encryption	application password	Today, 7:58 AM		login
	aum-dc-02	network password	Nov 8, 2013 1:18:01 PM		login
	A Chrome Safe Storage	application password	Oct 18, 2013 4:05:45 PM	**	login
	com.apple.id1524833773d3d	certificate		Jan 27, 2016 9:56:06 AM	login
	A comapple.sc. kmarksagent.xpc	application password	Nov 5, 2013 12:07:16 PM	**	login
	com.apple.u3-A641C5FD8648	certificate		Jan 27, 2015 10:14:13 AM	login
	com.apple.u3-A641C5FD8648	public key			login
	com.apple.u3-A641C5/D8648	private key			login
Category	com.apple.u3-A641C5FD8648	certificate		Jan 31, 2015 8:43:29 AM	login
All Items	@ com.apple.u3-A641CSFD8648	public key			login
Passwords	com.apple.u3-A641C5FD8648	private key	**		login
	A Exchange	application password	Ort 18 2011 1-54-27 PM		Innia

7. Your saved password is now cleared.

\*\* Now you can try connecting to the wireless network, by referring back to page 4.