



User Manual for User-friendly Firmware

AirStation NFINITI HighPower Wireless Router & Access Point

WZR-600DHP



www.buffalotech.com

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is only 130 Mbps)	
The link speed is slower than 300 Mbps (Maximum link s	peed

Chapter 1 - Product Overview

Professional or User-friendly?

This AirStation wireless router comes with two different firmware packages. You may use either the dd-wrt-based professional firmware or the simple user-friendly firmware. By default, the professional firmware is preinstalled. Turn to page 14 for instructions on switching between the two firmware packages.

Note : Most of this manual documents the user-friendly version of the firmware. For more information on the dd-wrt-based professional firmware, consult the help files in its web-based configuration interface or the *User Manual for Professional Firmware*, available for download from Buffalo Technology.

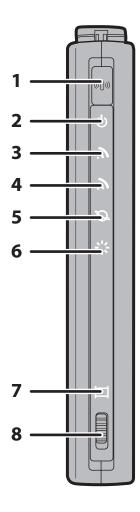
Package Contents

The following items are included in your AirStation package. If any of the items are missing, please contact your vender.

• WZR-600DHP	1
AC adapter	1
Stand for vertical/horizontal/wall-mounting	1
Screws for wall-mounting	2
LAN cable	1
AirStation Utility CD	1
Quick Setup Guide	1
Setup Card	1

Hardware Overview

Front Panel LEDs



1 AOSS Button

To initiate AOSS, hold down this button until the 2.4 GHz LED and 5 GHz LED flash (about 1 second). Then, push or click the AOSS button on your wireless client device to complete the connection. Both devices must be powered on for this to work.

2 Power LED (Green)

On:	The AC adapter is connected.
<u> </u>	The AC edenter is not commented

Off: The AC adapter is not connected.

3 2.4 GHz LED (Green or Amber)

Indicates 2.4 GHz wireless LAN and security status. Green on: Wireless link is enabled.

Wireless security is enabled.

Amber Wireless link is enabled.

on: Wireless security is disabled.

Green 2AirStation is waiting for an AOSS or WPS securityblinks:key.

AmberAOSS/WPS error; failed to exchange securityblinking:keys.

Off: Wireless LAN is disabled.

Note: The LED glows green if encryption is configured.

4 5 GHz LED (Green or Amber)

Indicates 5 GHz wireless LAN and security status.

Green on:	Wireless link is enabled.	
	Wireless security is enabled.	
Amber on:	Wireless link is enabled.	
	Wireless security is disabled.	
Green 2 blinks:	AirStation is waiting for an AOSS or WPS security key.	
Amber Blinking:	AOSS/WPS error; failed to exchange security keys.	
Off:	Wireless LAN is disabled.	
Note: The LED glows green if encryption is configured.		

5 Router LED (Green)

On:	Router functionality is enabled.
Off:	Router functionality is disabled.

6 Diag LED (Red) This indicates the status of this unit depending on the number of blinks per cycle. Note: When the unit is first turned on or restarted, the Diag LED will blink for almost a minute during boot. This is normal.

Diag LED status	Meaning	Status
2 blinks *1	Flash ROM error	Cannot read or write to the flash memory.
3 blinks *1	Ethernet (wired) LAN error	Ethernet LAN controller is malfunctioning.
4 blinks *1	Wireless LAN error	Wireless LAN controller is malfunctioning.
5 blinks	IP address setting error	Because the network addresses of both the Internet port (WAN port) and the LAN port are the same, it is not possible to establish communication. Change the LAN side IP address of this unit.
Continuously blinking *2	Updating the firmware Saving settings Initializing settings	Updating the firmware. Saving the settings. Initializing the settings.

- *1 Unplug the AC adapter from the wall socket, wait for a few seconds, and then plug it again. If the light still flashes, please contact technical support.
- *2 Never unplug the AC adapter while the Diag LED is blinking continuously.

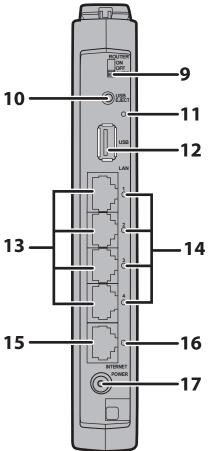
7 Movie Engine LED (Blue)

- On: Movie Engine functionality is enabled.
- Off: Movie Engine functionality is disabled.

8 Movie Engine Switch

On:	Enables Movie Engine.
Off:	Disables Movie Engine.

Back Panel



9 Router Switch

Switches router mode between enabled, disabled, and auto.

- On: Router functionality is enabled (router mode).Off: Router functionality is disabled (bridge/AP mode).
- Auto: This switches between modes automatically based on whether or not another router is detected on the Internet port. The default setting for this switch is Auto.

10 USB Eject Button

To dismount a USB drive, hold down this button until the USB LED flashes (about 3 seconds). The USB drive can then be unplugged safely.

11 USB LED (Green)

On: The USB drive is connected.

- Off: No USB drive is connected.
- Note: When this LED is blinking, the connected USB drive cannot be used. Remove the connected USB drive. If the LED continues to blink even after the USB drive is removed, restart the AirStation.

Do not remove the USB drive or turn off the AirStation while the USB LED is on.

- **12 USB Port** Connect the USB device.
- **13 LAN Port** Connect your computer, hub, or other Ethernet devices to these ports. This switching hub supports 10 Mbps, 100 Mbps, and 1000 Mbps connections.

14 LAN LED (Green)

On:	An Ethernet device is connected.
Flashing:	An Ethernet device is communicating.

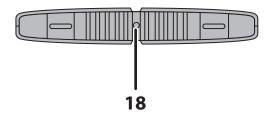
15 Internet Port10 Mbps, 100 Mbps, and 1000 Mbps connections are supported.
Note: In bridge/AP mode (router switch off), the Internet port becomes a
regular LAN port, for a total of 5 usable LAN ports.

16 Internet LED (Green)

DC Connector	Connect the included AC adapter here.
Flashing:	The Internet port is transmitting data.
On:	The Internet port is connected.

Bottom

17

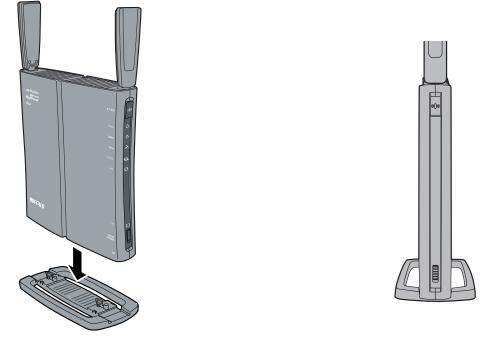


18 Reset Button To reset all settings, hold down this button until the Diag LED comes on (about 3 seconds). Power must be on.

Chapter 2 - Placing Your AirStation

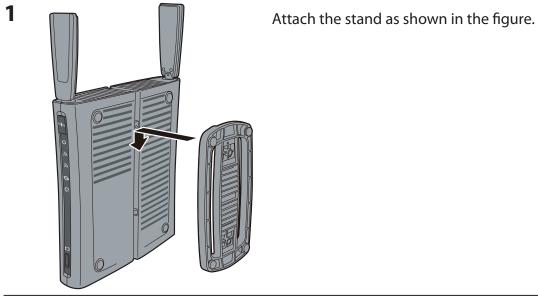
Vertical Placement

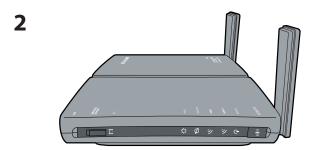
If the AirStation is to be placed vertically, attach the stand as shown.



Horizontal Placement

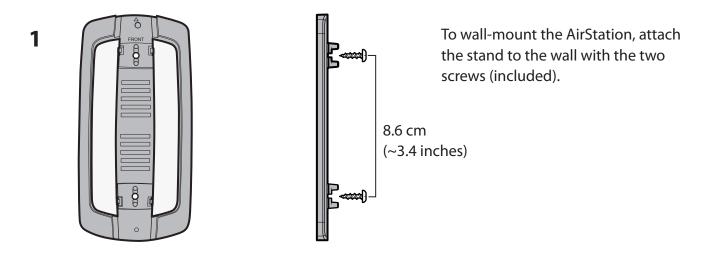
When installing the AirStation horizontally, attach the stand for best heat dissipation.



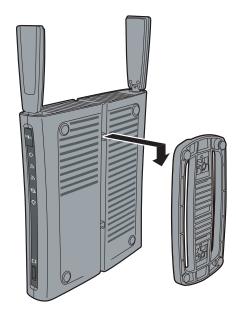


Install horizontally.

Wall Mounting



2



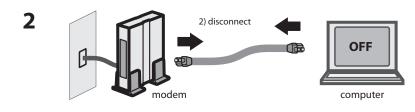
Snap the center of the AirStation to the stand as shown.

Chapter 3 - Installation

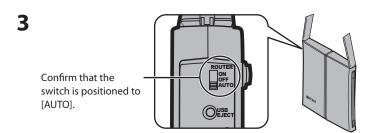
Initial Setup

To configure your AirStation, follow the procedure below.

1 Verify that you can connect to the internet without the AirStation, then turn off your modem and computer.

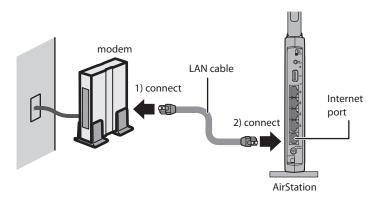


Unplug the LAN cable which connects your computer and modem.



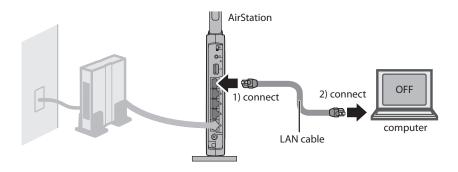
Make sure the mode switch on the back of the AirStation is in the "auto" position.

4 Plug one end of the LAN cable into your modem and the other end to the AirStation's Internet (WAN) port. Turn on the modem.

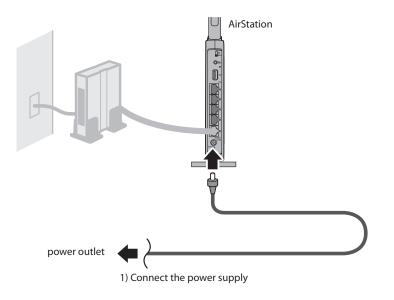


7

5 Connect your computer to one of the AirStation's LAN ports with the LAN cable.



6 Turn on the AirStation, wait one minute, then turn on your computer.



Once your computer has booted, the AirStation's LEDs should be lit as described below:

Power	Green LED on.
2.4 GHz	Green LED on or amber light is on.
5 GHz	Green LED on or amber light is on.
Router	Green LED on or off depending on your network.
Diag	Off
LAN	Green LED on or blinking.
Internet	Green LED on or blinking.

For LED locations, refer to chapter 1.

8 Launch a web browser. If the home screen is displayed, setup is complete. If username and password fields are displayed, enter "admin" for the username and "password" for the password, then click [OK]. Step through the wizard to complete setup.

You've completed initial setup of your AirStation. Refer to Chapter 4 for advanced settings.

Changing Firmware

To change between the professional firmware (dd-wrt) and the user-friendly firmware, follow the steps below.

- **1** Open the configuration Interface of the AirStation.
- 2 To replace the professional firmware with the user-friendly firmware, click [Administration] > [Firmware Upgrade].

To replace the user-friendly firmware with the professional firmware, go to [Easy Setup] and click [Update AirStation Firmware].

3 Click [Browse...] to select the firmware file, and click [Upgrade] or [Apply].

Note: The firmware files are contained in the "Firmware" folder of the utility CD.

Professional firmware (dd-wrt) update screen:

Setup	Wireless	Services	Security	Access Restrictions	NAT / QoS	Administration	Status	
Management	Keep Alive	Commands	WOL Facto	ory Defaults Firmware L	lpgrade Backup			
Firmware	Managemen	t				н	elp	more
Firmware U After flashing Please select		-	Don't reset	T	Browse		ne upgrade proc	se button to re file to be outer. button to begin ess. Upgrade must
		Upgrading Do not turn o	W A R) firmware ma ff the power	N I N G ay take a few minutes. or press the reset butt	on!		ot be interrupte	d.
			Upgr	ade				

User-friendly firmware update screen:

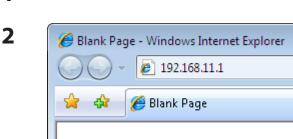
Jpdate Firmware				
Select the AirStation firmwar	e update file.			
Update Method	 Specify Local File Auto Update Online 			
Firmware File Name	Browse			
	date, do not unplug the router or close the browser window until the update has ne front of the router has stopped blinking. Get updated firmware files from our website			
	Buffalo Technology			
Back	Apply			

Chapter 4 - Configuration

The web-based configuration tool lets you change advanced settings for the AirStation. Don't change these settings unless you know what you're doing.

Accessing the Web-based Configuration Interface

To configure the AirStation's advanced settings manually, log in to the web-based configuration interface as shown below.



Launch a web browser.

1

3

Enter the AirStation's LAN-side IP address in the address field and press the Enter key.

Note: • The AirStation's default LAN-side IP address depends on the position of the mode switch. In router mode: 192.168.11.1

In bridge mode: 192.168.11.100

Note: If the router switch is set to auto and the unit is in bridge mode, then the AirStation's IP address was assigned by an external DHCP server.

 $\cdot\,$ If you changed the IP address of the AirStation, then use the new IP address.

Windows Security	·	-
The server 192. and password.	.68.11.1 at AirStation(user=admin) requires a usernan	ne
	erver is requesting that your username and password ure manner (basic authentication without a secure	be
	admin Remember my credentials	
	OK Car	ncel

Enter "admin" for the username and "password" for the password and click [OK].

Note: If you forget your password, hold down the reset button (page 9) to initialize all settings. Note that all other settings will also revert to their default values.

eetap	eless Firewall	Games / Apps	NAS	Admin	Diagnostic
Wizards & Overview					Log (Manuals & Utilit
Easy Setup	Internet Con (PPPoE Con		ſ	/izards & Overvie	w
Basic Settings	1: Easy Setu		v	/izards are on the	left.
Run the Internet Connection Wizard Wireless SSID & Channel Wireless Encryption	Connection Sta	tus Online Stop	S	n overview of your ystem information ie right.	AirStation's is displayed to
Internet	Check	Connection Refresh	В	asic Settings	
Internet Games (Port Forwarding) UPnP	Wireless	n/a (Auto / Ch 40)		Run the Internet C Wizard	onnection
Other	SSID	BUFFALO-0DC898_A		This wizard scans connection and co	your Internet
Update AirStation Firmware Initialize AirStation	Encryption	WPAWPA2 mixed mode - TKIP/AES mixed mode h/g/b (Auto / Ch 11) BUFFALO-0DC898_G WPAWPA2 mixed mode - TKIP/AES mixed mode		Internet. Most cabi- connect automatic Internet Connection DSL modems may information to comr Internet. If your con a password or othi information, have it can provide this info	e modems will ally when the n Wizard is run, r require PPPoE nect to the nection requires er PPPoE t ready! Your ISP
		AOSS Setup		Wireless SSID & C This wizard lets you (network name) an wireless channel fi	Channel u set an SSID id choose a
	ECO Mode			Wireless Encrypti	on
	Status	Disabled Refresh		This wizard lets you type of encryption (<u>AES</u>) to use on you network.	WEP/TKIP/
	Utilities	Network Services	Ir	nternet	
				Internet Games (P	
	Language Auto	 Apply 		This wizard lets you NAT to play Interne	i set a <u>static</u> t games.

This is the configuration interface, where most AirStation settings can be configured.

 Help is always displayed on the right side of each screen.
 Refer to the help screens for more information on using the configuration interface.

Configuration Interface Menus in Router Mode

The menu structure for the AirStation in router mode is as follows. Please refer to the pages listed at right for explanations of each item.

lain screen	Descriptions	Page
WAN/LAN		
Internet	Configure Internet side port and settings.	Page 24
PPPoE	PPPoE settings (DSL login).	Page 25
DDNS	DNS settings.	Page 28
VPN Server	VPN server settings.	Page 30
LAN	LAN side port configuration.	Page 32
DHCP	DHCP lease settings.	Page 34
NAT	Network address translation settings, used to connect LAN side devices to the Internet.	Page 35
Routing	Configure the AirStation's IP communication route.	Page 3
Wireless		
WPS	WPS settings and status.	Page 3
Basic	Configure basic wireless settings.	Page 3
Advanced	Configure advanced wireless settings.	Page 4
WMM	Set priorities for Wireless Multimedia Extensions (Wi-Fi Multimedia).	Page 42
MAC Filter	Limit access to specific devices.	Page 44
AOSS	AOSS (AirStation One-touch Secure System) settings and status.	Page 4
Multicast Control	Configure limits on sending unnecessary multicast packets to the wireless LAN port.	Page 47
Firewall		
Firewall	Protect your computer from outside intruders.	Page 48
IP Filter	IP filters for packets passing through the LAN side and the Internet side.	Page 5
VPN Passthrough	Configure IPv6 passthrough, PPPoE passthrough, and PPTP passthrough.	Page 5
Games/Apps		
Port Forwarding	Configure port translation and exceptions for games and other programs.	Page 52
DMZ	Configure a destination to transfer communication packets without a LAN side destination.	Page 5
UPnP	Configure UPnP (Universal Plug and Play).	Page 54
QoS	Configure priority for packets that require a guaranteed data flow.	Page 5

Movie Engine	Configure options for the Movie Engine feature.	Page 57
NAS		
Disk Management	View the status and configure of attached USB disks.	Page 59
Shared Folder	Set the USB disk to use as shared folders.	Page 61
Users	Configure users to access shared folders.	Page 63
Sharing	Configure shared folder access.	Page 64
WebAccess	Configure Web Access.	Page 65
Media Server	Configure a Media Server.	Page 67
BitTorrent	Configure a BitTorrent client.	Page 68
Admin		
Name	Configure the AirStation's name.	Page 70
Password	Configure the AirStation's login password for access to the configuration interface.	Page 71
Time/Date	Configure the AirStation's internal clock.	Page 72
NTP	Configure the AirStation to synchronize with an NTP server to automatically set the AirStation's internal clock.	Page 73
ECO	Configure the AirStation's ECO Mode.	Page 74
Access	Configure access restrictions to the AirStation's configuration interface.	Page 76
Log	Configure a syslog server to manage the AirStation's logs.	Page 77
Save/Restore	Save or restore the AirStation's configuration from a configuration file.	Page 78
Initialize/Restart	Initialize the AirStation or reboot it.	Page 79
Update	Update the AirStation's firmware.	Page 80
Diagnostic		
System Info	View current system information for the AirStation.	Page 81
Logs	Check the AirStation's logs.	Page 83
Packet Info	View all packets transferred by the AirStation.	Page 84
Client Monitor	View all devices currently connected to the AirStation.	Page 85
Ping	Test the AirStation's connection to other devices on the network.	Page 86
Logout		
Click this to log out	of the AirStation's configuration interface.	
Manuals & Utilities		
Click this to display	download pages for Manuals and Utilities.	

Configuration Interface Menus in Bridge Mode

The menu structure in bridge mode is as follows. Please refer to the pages listed at right for explanations of each item.

Main screen	Descriptions	Page
LAN Config		
LAN	Configure LAN side ports and devices.	Page 32
Routing	Configure the AirStation's IP communication route.	Page 36
Wireless		
WPS	WPS settings and status.	Page 37
Basic	Configure basic wireless settings.	Page 38
Advanced	Configure advanced wireless settings.	Page 41
WMM	Set priorities for Wireless Multimedia Extensions (Wi-Fi Multimedia).	Page 42
MAC Filter	Limit access to specific devices.	Page 44
AOSS	AOSS (AirStation One-touch Secure System) settings and status.	Page 45
Multicast Control	Configure limits on sending unnecessary multicast packets to the wireless LAN port.	Page 47
QoS		
Movie Engine	Configure options for the Movie Engine feature.	Page 57
NAS		i.
Disk Management	View the status and configure of attached USB disks.	Page 59
Shared Folder	Set the USB disk to use as shared folders.	Page 61
Users	Configure the name to access shared folders.	Page 63
Sharing	Configure the name to access shared folders.	Page 64
WebAccess	Set to use the Web Access function.	Page 65
Media Server	Set to use the Media Server function.	Page 67
BitTorrent	Set to use the BitTorrent function.	Page 68
Admin		
Name	Configure the AirStation's name.	Page 70
Password	Configure the AirStation's login password for access to configuration interface.	Page 71
Time/Date	Configure the AirStation's internal clock.	Page 72
NTP	Configure the AirStation to synchronize with an NTP server to automatically set the AirStation's internal clock.	Page 73

ECO	Configure ECO Mode.	Page 74			
Access	Configure access restrictions to the AirStation's configuration interface.	Page 76			
Log	Check the AirStation's logs.	Page 77			
Save/Restore	Save or restore the AirStation's configuration from a configuration file.	Page 78			
Initialize/Restart	Initialize the AirStation or reboot it.	Page 79			
Update	Update the AirStation's firmware.	Page 80			
Diagnostic					
System Info	View current system information for the AirStation.	Page 81			
Logs	Check the AirStation's logs.	Page 83			
Packet Info	View all packets transferred by the AirStation.	Page 84			
Client Monitor	View all devices currently connected to the AirStation.	Page 85			
Ping	Test the AirStation's connection to other devices on the network.	Page 86			
Logout					
Click this to log out of the AirStation's configuration interface.					
Manuals & Utilities					
Click this to display download pages for Manuals and Utilities.					

Setup

Setup is the home page of the configuration interface. You can verify settings and the status of the AirStation here.

Setup WAN / LAN Wireless	Firewall	Games / Apps	NAS	Admin	Diagnostic
Wizards & Overview					Log Out Manuals & Utilities
Easy Setup Basic Settings Run the Internet Connection Wizard Wireless SSID & Channel Wireless Encryption	Internet Conr (PPPoE Conne 1: Easy Setup Connection Statu	ection) (Default)	e	Wizards & Overvi Wizards are on the An overview of your system information the right.	iew e left. r AirStation's
Internet	Check C	Connection Refresh	1	Basic Settings	
 Internet Games (Port Forwarding) UPnP Other Update AirStation Firmware Initialize AirStation 	SSID Authentication Encryption IEEE 802.11n/ SSID Authentication	a (Auto / Ch 40) BUFFALO-0DC898_A WPAWPA2 mixed mode TKIP/AES mixed mode g/b (Auto / Ch 11) BUFFALO-0DC898_G WPAWPA2 mixed mode		Run the Internet (Wizard This wizard scans connection and co Internet. Most cab connect automatii Internet Connectio DSL modems ma information to cor Internet. If your co a password or oth information. have	s your Internet onnects to the le modems will cally when the on Wizard is run. ay require PPPOE onect to the nnection requires er PPPOE
	Encryption	TKIP/AES mixed mode		can provide this ir don't have it. Wireless SSID & This wizard lets yu (network name) a wireless channel	nformation if you Channel ou set an SSID nd choose a
	ECO Mode Status	Disabled Refresh		Wireless Encrypt This wizard lets you type of encryption <u>AES</u>) to use on yo network.	ou choose the (WEP/ TKIP/
	Utilities	letwork Services		Internet Internet Games (I	
(0)	Language Auto	Apply O INC, All rights reserve	d -	This wizard lets yo <u>NAT</u> to play Intern UPnP	

Parameter	Meaning
WAN/LAN (LAN Config)	Displays the configuration screen for the Internet port and LAN ports.
Wireless	Click this button to display the configuration screen for wireless settings.
Firewall	Click this button to display the configuration screen for security.

Parameter	Meaning
Games/Apps	Click this button to display the configuration screen to open ports for games and applications.
NAS	Click this button to display the configuration screen for NAS settings.
Admin	Click this button to display the configuration screen for administration settings.
Diagnostic	Click this button to display the status of the AirStation.
Easy Setup	Enables you to easily configure the AirStation's network settings automatically.
Internet Connection	Displays WAN-side system information for the AirStation.
Check Connection	Click this button to check if the AirStation is connected to the Internet properly.
Refresh	Click this button to refresh the current screen.
Wireless	Displays the current wireless settings.
AOSS Setup	Click this button to display the AOSS configuration screen.
WPS Setup	Click this button to display the WPS configuration screen.
ECO Mode	This indicates the operating status of ECO Mode.
Network Services	Displays the list of the network devices for which information is provided from the network on the LAN-side.
Media Server	Displays the status of the media server.
Download Manager	Displays the list of BitTorrent files downloading.
Language	Enables you to select the language you use.
Logout	Log out of the configuration interface. If the AirStation does not communicate for 5 minutes, it will log out automatically.
Manuals & Utilities	Click to display download pages for Manuals and Utilities.

WAN/LAN

Internet

Configure the WAN-side port ("Internet port").

Setup WAN / LAN	Wireless	Firewall	Games / A	pps NA	S /	Admin	Diagnosti	с
Internet PPPoE DDNS Routing	VPN Server	AN DHCP N	AT				Log Manuals & Utili	
	Parform	Easy Setup (Intern		izord)	Internet	Ethernet S	ettings	Â
Method of Acquiring IP Addr	 Acquire a Use PPP 	in IP address auto			Normally, Internet s network s	, you'll conr side port to such as the	nect the an external Internet.	III
	Static IP /	se this address tatic IP Address ubnet Mask 255.255.255.0			Method of Acquiring IP Address Select one of the following methods to acquire an <u>Internet port</u> IP address. Please ask your			
To set up PPPoE, <u>click here</u> .					provider for any other information about your line format. If you're not sure which method to choose, try selecting Easy Setup. You can confirm the status of the current			
Advanced Settings					Internet s	side <u>IP addr</u> nformation p	ess on the	
Default Gateway					Perform	n Easy Setu	p (Internet	
DNS Name Server Address	Primary: Secondary:				Connec Easy Se	ction Wizard etup scans y	i) /our <u>Internet</u> ermines your	
Internet MAC Address	0	 Use default MAC address (10:6F:3F:0D:C8:98) Use this address 			internet connection type. The correct setup wizard for your internet connection is then activated automatically.			
MTU Size of Internet Port	1500 E	Bytes			Notes			
Apply					 Auto Setu on v 	o line detern up] is effectiv which PPPol	nination [Easy ve only for a line E or DHCP is a normal DSL or	Ŧ

Parameter	Meaning
Method of Acquiring IP Address	Specify how the WAN-side IP address is obtained.
Default Gateway	Configure an IP address for the default gateway.
DNS Name Server Address	Specify an IP address for the DNS server.
Internet MAC Address	Configure the Internet side MAC address. Note: Configuring an improper MAC address may make the AirStation unusable. Change this setting at your own risk.
MTU Size of Internet Port	Configure the MTU value of the Internet port. Values of 578 to 1500 bytes may be entered.

PPPoE

Configure PPPoE settings.

Setup WAN / LAN Wireless Firewall Games / Apps	NAS Admin Di	iagnostic		
Internet PPPoE DDNS VPN Server LAN DHCP NAT Routing	Manua	Log Out als & Utilities		
Default PPPoE Connection 1 : Easy Setup	PPPoE Settings	Î		
IP Unnumbered PPPoE Connection 1 : Easy Setup	If PPPoE is used, you'll ha detailed setup options on t page.			
Apply PPPoE Connection List	Note: If [Acquire IP address automatically from DHCF or [Manual Setup] is set a Internet side communica	as the		
Number Name Status 1 Easy Setup Enable	method, or if something besides PPPoE was detected when [Easy Setup] ran, it is not necessary to enter information on this page. (Even if it is set, it is not used.)			
Edit Connection List Preferred Connections	Additionally, when [Easy executed, information se page may be rewritten.	Setup] is		
No. Name Destination Address Source Address	Default PPPoE Connecti	ion		
No preferred connections are registered. Edit Preferred Connections	If multiple destinations are registered to the <u>PPPoE</u> <u>destination list</u> , the destina used for the Internet conne	ation		
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Parameter	Meaning
Default PPPoE Connection	If you have registered multiple connection destinations in the PPPoE Connection List, connection destinations selected here have priority. You need to configure the route to which PPPoE is connected to if you don't use the default settings.
IP Unnumbered PPPoE Connection	Select the destination from the PPPoE Connection List which is used when "Use IP Unnumbered" is chosen for the Method of Acquiring IP Address (page 24).
PPPoE Connection List	Edit PPPoE destination. You can register up to 5 sessions.
Edit Connection List	Click this button to edit destination settings.

Parameter	Meaning				
PPPoE Connection No.	This is displayed when [Edit Connection List] is clicked.				
	Name of Connection Enter the name to identify the connected destination. You may enter up to 32 alphanumerical characters and symbols.				
	Username Enter the username specified by your ISP for PPPoE certification. You may enter up to 64 alphanumerical characters and symbols.				
	Password Enter the password specified by your ISP for PPPoE certification. You may enter up to 64 alphanumerical characters and symbols.				
	Service Name Fill in this field only if your ISP specifies a Service Name. Leave blank otherwise. You may enter up to 64 alphanumerical characters and symbols.				
	Connection Type Specifies the timing for the AirStation to connect to your provider.				
	Automatic Disconnection Set time to disconnect after communication is stopped when the connection method is set to [Connection on Demand] or [Manual]. You can enter up to 1440 minutes.				
	Authorization Configure an authorization method with a provider.				
	MTU Size Configure the MTU size for PPPoE. Values of 578 to 1492 bytes may be entered.				
	MRU Size Configure MRU (Maximum Receive Unit) for PPPoE. Values of 57 to 1492 may be entered.				
	Keep Alive If Keep Alive is enabled, then the AirStation will issue an LCP echo request once a minute in order to maintain the connection with the PPPoE. If the server does not respond for more than 6 minutes, the line is recognized as disconnected and the AirStation will terminate the connection. Enabled by default.				

Parameter	Meaning
Preferred Connections	Displays information you have set regarding to the connection destination route.
Edit Preferred Connections	Click to edit the connection destination route settings.
Preferred PPPoE Connection	Click [Edit Preferred Connections] to display.
	Name This will be the name of the connection in the PPPoE connection list.
	Destination Address The AirStation will always use this connection to send data to this address.
	Source Address The AirStation will always use this connection to receive data from this address.

DDNS

Configure Dynamic DNS settings. Many settings are only available when the appropriate Dynamic DNS service is enabled.

Setup WAN / LAN	Wireless	Firewall	Games / Apps	NAS	Admin	Diagnost	ic		
Internet PPPoE DDN Routing						Log Out Manuals & Utilities			
Dynamic DNS Service Disable					Dynamic DNS Settings				
Apply				Before o sign up	Before configuring these settings, sign up for a dynamic DNS service.				
				Dynam	ic DNS Servi	се			
Current Dynamic DNS	Current Dynamic DNS Settings			provider	Select your dynamic DNS service provider. You can select "DynDNS"				
Internet-Side IP Address	180.30.158.190			or "TZO"					
Domain Name	Disabled				nDNS				
Status	Disabled			• TZ	.0				
Refresh				Setup is which d use.	s different depo ynamic DNS s	ending on service you	Ŧ		

Parameter	Meaning
Dynamic DNS Service	Select a provider (DynDNS or TZO) for dynamic DNS.
Username	Enter the dynamic DNS username. You may enter up to 64 alphanumerical characters and symbols.
Password	Enter the dynamic DNS password. You may enter up to 64 alphanumerical characters and symbols.
Hostname	Enter the dynamic DNS hostname. You may enter up to 255 alphanumerical characters, hyphens, and periods.
Email Address	Enter the email address which is registered to the dynamic DNS service. You may enter up to 64 alphanumerical characters and symbols.
TZO Key	Enter the TZO Key which is registered to the dynamic DNS service. You may enter up to 64 alphanumerical characters and symbols.
Domain Name	Enter the domain name which is registered to the dynamic DNS service. You may enter up to 255 alphanumerical characters, hyphens, and periods.

Parameter	Meaning
IP Address Update Period	Specifies the period to notify the dynamic DNS service provider of the current IP address. For DynDNS, set it between 0 and 35 days. For TZO, set it between 0 and 99 days. If 0 (zero) days is set, no periodic update is performed.
Internet-Side IP Address	The WAN-side IP address of the AirStation's Internet port. This address is sent to the dynamic DNS service provider.
Domain Name	The domain name assigned by the dynamic DNS Service provider. The AirStation can be accessed from the Internet using this domain name.
Status	Display the status of dynamic DNS service.

VPN Server

Configure the VPN server.

Setup	WAN / LA	AN Wireles	s Firewall	Games / Apps	N	AS Admin		Diagnosti	с
Internet Routing	PPPoE DDI	NS VPN Serve	r LAN DHCP I	TAT			N	Log (Ianuals & Utilit	
If you are going to connect this subnet to a different network via VPN, make sure that the two different networks use different, non-overlapping IP address pools. If both AirStations are handing out addresses from the same default pool of addresses, there will be duplicate IP addresses, which may cause severe network problems.					VPN Server Settings With PPTP, you can access the AirStation from the Internet and the LAN from a Windows PPTP client. Note If using GRE protocol (protocol no.47) and the 1723 TCP port is				
Auto Input		Generate Reco	mmended IP Address	3		filter wor	red, then this fur k correctly.	iction may not	
LAN Side IF	Address	IP Address 192 Subnet Mask 255	.168.11.1 .255.255.0 💌			Also, if these ports are blocked or your router, you cannot use the VPN server.			
DHCP Serv	er	Enable					Input		
DHCP IP Ad	dress Pool	192.168.11.2	for up to 64	Address	(es)	rando	this button to g m IP address w	/ith a small	
PPTP Serve	er 🗖	Enable				addre	bility of overlapp sses of other B	uffalo routers.	
Authorizatio		S-CHAPv2 (40/128-	-bit Encryption)			LAN	Side IP Addre	55	
Advanced	21					IP add want f	ult LAN-side 8.11.1. If you AirStation to cify a unique.		
Server IP A	ddress	Auto Manual				unuse	of IP address	om the LAN's	
Client IP Ad	Idress	Auto					et Mask		
DNS Server	r IP Address	 Manual LAN IP address Manual Do Not Spect 	ess of the AirStation	for up to 5 address	(es)	subne conne existi unuse	irStation's defa at mask is 255. act the AirStation ng LAN, specify ad <u>IP address</u> fr of IP addresse	255.255.0. To on to an / a unique, om the LAN's	
WINS Serve	er IP Address	;				DHCF	9 Server		
MTU/MRU \	/alue	1396				enabl	e the DHCP se ed by default. If	there is	
Apply	Apply					netwo disabl chang	er DHCP server ork, one DHCP led or the IP ran ged to avoid con	server must be Iges must be Iflicts caused	
PPTP Use	r List					DHCF	erlapping DHCF server is enab ne DHCP IP ad	led, confirm	
Username				i't overlap existi					
Edit PPTP User List						DHCF	PIP Address P	ool	
Refresh				D INC. All rights reserv	ed.	range be dis (both the st	letermines the from which IP stributed to DHC wired and wirel arting IP addres er of connection	addresses will CP clients ess). Enter ss and the	Ŧ
		(6	572000 2012 0011 NE	Sinto, An righto Federa	.				

Parameter	Meaning
Auto Input	Click to generate a random IP address.
LAN Side IP Address	Set a LAN side IP address and subnet mask.
DHCP Server	Enable or disable the DHCP server, which assigns IP addresses automatically.
DHCP IP Address Pool	Configure the range of IP addresses to be assigned by the DHCP server and IP addresses to be excluded from that range. Values from 1-256 may be entered.
PPTP Server	Enable to use a PPTP server.
Authorization Type	Select the authentication method for PPTP connection.
Server IP Address	Select the server IP address.
Client IP Address	Select the IP address range.
DNS Server IP Address	Choose the IP address for the DNS server.
WINS Server IP Address	Choose the IP address for the WINS server.
MTU/MRU Value	Configure MTU (Maximum Transmission Unit) / MRU (Maximum Receive Unit) between 578 and 1500 which is used during transmission on PPTP.
Edit PPTP User List	Click to edit user information.
Add new user	Click [Edit PPTP User List] to display.
Advanced Settings	Username Enter the username to connect to the PPTP server. You may enter up to 16 alphanumerical characters and symbols.
	Password Enter the password to connect to the PPTP server. You may enter up to 16 alphanumerical characters and symbols.
	Method of Acquiring IP Address Select the method to be used to assign the IP address is assigned to the PPTP client.
PPTP User List	Displays the PPTP connection user information.

Router Mode only

LAN Side IP Address

(For IP Unnumbered)

Router Mode only

Advanced Settings

Router Mode only

Router Mode only

Default Gateway Router Mode only

Lease Period

LAN

Configure LAN-side and DHCP Server settings.

Setup	WAN / L	AN Wireless	Firewall	Games / Apps	N	AS	Admin	Diagnost	c
Internet Routing	PPPoE DD	NS VPN Server	LAN DHCP	NAT			N	Log Ianuals & Utili	
						ΙΔΝ	Side Ethernet	Settings	
LAN Side IF	P Address	IP Address 192.16 Subnet Mask 255.25				Config	gure the AirStat	ion's LAN IP	m
DHCP Serv	er	Enable				DHCF	server settings a networking e	s here. Unless	
DHCP IP AC	ddress Pool	192.168.11.2	for up to 64	4 Address	(es)	defau	It settings are re	ecommended.	
Drior II /K		Excluded IP Addresse	es:			Not	e		
LAN Side IF (For IP Unn	Auguress .	P Address Subnet Mask 255.255	.255.0 💌			AirS cha refe	ou have an existir Station's configur Inged to connect or to <u>here</u> to set u Station on an exis	to it. Please	
DHCP Ser	ver Setting	S				LAN	Side IP Addres	SS	
Advanced 8	Settings 📃	Display					virStation's defa		
Apply						want	dress is 192.16 to connect the isting LAN, spe ad IP address fr	AirStation to	
						Inniie4	nt soonhhe 'QI he III	om the LAN'e	-
		(C)2	000-2012 BUFFAL	.0 INC. All rights reserv	ed.				
Paramet	er		Meanin	g					
LAN Side I	P Address			lt, the LAN side II 5.255.255.0. You				1.1 with sul	onet
DHCP Serv Router Mo				r disable the DH0 s automatically.	CP se	rver,	which assig	ns LAN-side	e IP
DHCP IP A	ddress Po	ol	Configure	e the range of IP	addı	resses	to be assig	ned by the	DH

server and IP addresses to be excluded from that range. Values from 1-256 may be entered.

Set an IP unnumbered LAN side IP address. Note: A PC with a normal LAN side IP address and a PC with an IP Unnumbered IP address cannot communicate each other.

Check [Display] to display DHCP server advanced settings options.

Set the effective period of an IP address assigned by the DHCP server. Up to 999 hours may be entered.

Set the default gateway IP address for the DHCP server to issue to clients.

Parameter	Meaning
DNS Servers Router Mode only	Set the DNS server IP address for the DHCP server to issue to clients.
WINS Server Router Mode only	Set the WINS server IP address for the DHCP server to issue to clients.
Domain Name Router Mode only	Set the domain name for the DHCP server to issue to clients. You may enter up to 64 alphanumerical characters, hyphens, and periods.
Default Gateway Bridge Mode only	Set the default gateway IP address.
DNS Server Address Bridge Mode only	Set the DNS server IP address.

DHCP

Configure DHCP Exceptions.

Setup	WAN / LAN	Wireless	Firewall	Games / Apps	NAS	Admin	Diagnosti	ic
Internet Routing	PPPOE DDNS	/PN Server L		NAT		м	Log anuals & Utili	
Add Clien	t				DHCP			Î
IP Address	;				the lov	t DHCP clients ver half of the w client manually	indow. To	=
MAC Addr	ess				addres	s and its MAC Add]. Do not as	address and	
Add					addres DHCP Up to 2	range on the n 200 devices car ered for manual	ct with your etwork. n be	
Current D	HCP Clients						ŭ	
IP Address	MAC Address	Lease Perio	d Status	Customize	Add o	r Edit Clients		
192.168.11.	2(*) E0:69:95:2E:1F:	DB 47:59:36	Auto	Manual Assignmen	t			
The IP add	ess of the client th	at is configuring	this AirSta	tion is (192.168.11.2)	You m entries	ay manually ac 5.	ld or edit any	
Refresh					IP Ad	dress		
					When	adding IP addro	esses that they do	-

Parameter	Meaning
IP Address	Enter an IP address to lease manually. The IP address should be from the same subnet as the DHCP scope, but not be within the range that DHCP is assigning to other devices.
MAC Address	Enter the MAC address which identifies the client.
Current DHCP Clients	Displays information for current leases. An IP address which is leased automatically can be changed to manual leasing by clicking [Manual Assignment].

NAT

Configure network address translation settings. This enables LAN-side devices to communicate with the Internet.

Setup WAN / LAN W	ireless Firew	/all Games / A	pps NAS	Admin	Diagnostic	
Internet PPPoE DDNS VP Routing	N Server LAN	DHCPNAT		м	Log Out anuals & Utilities	
				ork Address Tr	anslation	
Address Translation	🗷 Enable		Setti	Settings		
Log Output of Deleted Packets	Enable		Confi	jure address tra	nslation to	
Apply			conne	ct the Internet s	side to the	
			Addr	ess Translation		
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Parameter	Me	eaning				
Address Translation	Ena	Enable to use NAT (network address translation).				
Log Output of Deleted Pack		able to log dele nslation.	eted packets	such as erro	ors) during add	

Routing

Configure the AirStation's IP communication route.

Setup WAN / L	AN Wirele	ss Fire	wall Ga	mes / Apps	NAS	Admin	Diagnosti	С
nternet PPPoE DDNS VPN Server LAN DHCP NAT Log Or Routing Manuals & Utilitie								
Add a Route					Routing	, 		- III
Destination Address	IP Address Subnet Mask 2	55.255.255.0	•		Configur	e <u>routing infor</u>	mation.	
Gateway					Add or Edit a Route			
Metric	15				You ma entries.	y manually ad	ld or edit any	
Add					Destina	tion Address		
Routing					or netwo If you're	the destinatio ork address. entering an IF	^o address as	
Destination Address	Subnet Mask	Gateway N	Netric Ope	ration	destinat 255.255	ion, specify [H .255.255] for t	lost he subnet	
	No routes are re-	-		2. All rights record	mask. Ir network specify	address as d address as d the network a	ring a estination,	Ŧ

Parameter	Meaning
Destination Address	Adds a destination IP address and subnet mask to a routing table.
Gateway	Adds a gateway address to a routing table.
Metric	The metric is the maximum number of router hops a packet may take on the way to its destination address. Values between 1 and 15 may be entered. The default value is 15.
Routing	Manual entries will appear here after being added.

Wireless

WPS

WPS Status and Settings.

Setup \	WAN / LAN	Wireless	Firewall	Games / Apps	ľ	NAS	Admin	Diagnost	tic
	ic (11n⁄a) ic (11n⁄g⁄b)	Advanced (1 Advanced (1		WMM (11n/a) WMM (11n/g/b)		AC Filte		Log anuals & Util	
			, <u>, , , , , , , , , , , , , , , , , , </u>				ViFi Protecte		
WPS	🗹 Enab	le				WPS			
External Reg	jistrar 🛛 Enab	le				WPS (V	Vi-Fi Protected	d Setup) lets	E
Apply						wireless by defau	matically con network. WP Ilt.	S is enabled	
AirStation PI	N 67754663	Generate PIN				Note			
Enrollee PIN		ОК				If the wireless radio is disabled, WPS will not work.			
WPS Securi	ty Settings					Externa	I Registrars		
						If extern	al registrars a AirStation wil	re disabled, Il not respond	
WPS Status	configured	Release				to wirele	ss WPS requ	ests. WPS	
11n/a	SSID Security Encryption Key		_	K TKIP/AES mixed mode			be used with registrars are		
	SSID	BUFFALO-0DC8	98_G			Note			
11n/g/b	Security		d mode - PSI	KTKIP/AES mixed mode	е	AOSS	disables exter	nal registrars.	
	Encryption Key	12345678				AirStati	on PIN		
						Display	the AirStation	's PIN code.	Ŧ

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Parameter	Meaning
WPS	Enable to use WPS automatic configuration.
External Registrar	Enable to accept configure requests from other WPS devices. Note: Configure requests will not be accepted if AOSS is in use.
AirStation PIN	Displays the PIN code of the AirStation. Clicking [Generate PIN] will generate a new PIN code. This code can be entered into other wireless devices that support WPS.
Enrollee PIN	Enter the PIN code for the other wireless device and click [OK].
WPS status	Displays "configured" if all available wireless bands are configured. Displays "unconfigured" if at least one wireless band is unconfigured.

Basic

The screen to configure a basic wireless settings.

Setup	WAN / LAN	Wireless	Firewall	Gan	nes / Apps	NAS	;	Admin	Diagnostic	2
		dvanced (11n/a) dvanced (11n/g/b	WMM (11n/) WMM (11n/		MAC Filter Multicast C				Log Manuals & Utili	
	_						*	Basic Wireless Se (11n/a/g/b)	tting	• 11
Wireless Radio	0 🗹 Enable									-
Wireless Chan	nnel Auto Chan	nel 💌 (Current Channel	: 11)					You can set basic of		
300 Mbps Mod	bandwidth : extension cl	20 MHz nannel : 1 💌	•					information for your manually here. If en used, communication established just by	cryption is not on will be	
Broadcast SSI	D Allow							setup. Encryption is recommended, how	s highly	
Allow multiple	SSIDs							There are 2 standar (IEEE802.11n/a and IEEE802.11n/g/b) for	ds 1 or wireless	
Separate Feat	ture	Use						LANs, and you can for each standard se	perform setup	
SSID		 Use AirStation's MA Enter: 	C address (BUFF/	ALO-0D	C898_G)			Wireless Radio		
Wireless Autho	entication	WPA/WPA2 mixed m	ode - PSK 💌					Un-checking "Enabl wireless LAN function	onality. When	
Wireless Encry	yption	TKIP/AES mixed mod	e 💌					disabled, all wireles including broadcast	ing, is halted.	
WPA-PSK (Pre	e-Shared Key):	•••••						Default value is ena	bled.	
Rekey Interval	I	60 minute	s					Wireless Channel		
Apply								You may specify a (frequency band) for communication. If the wireless clients near AirStation, you may	your wireless here are other ir the	
		(0)00			II state as a second			Anotation, you may	yer	

Parameter	Meaning
Wireless Radio	Determines whether to allow wireless communication. If this is unchecked, then no wireless connections will be allowed.
Wireless Channel	Sets a channel (a range of frequencies) for wireless connections. With auto-channel selected, the AirStation will automatically use the best available channel.
300 Mbps Mode	300 Mbps mode uses twice the normal frequency range, 40 MHz instead of 20 MHz. In uncongested areas this can increase performance. To use 300 Mbps mode, set the bandwidth to 40 MHz and choose an extension channel. Note: If auto-channel is selected, then the extension channel is set automatically.

Parameter	Meaning
Broadcast SSID	If [Allow] is checked, then the AirStation will respond to SSID searches from wireless devices by broadcasting its SSID. If [Allow] is unchecked, then the AirStation ignores SSID searches from wireless devices.
Allow multiple SSIDs Use Single SSID	Clicking [Allow multiple SSIDs] will enable Multi Security, allowing the use of multiple SSIDs, each with different wireless security settings. Clicking [Use Single SSID] will disable Multi Security. The AirStation will then allow one SSID and one type of wireless security. Note: When using Multi Security, enable at least one of the following: SSID1, SSID2, or SSID3.
SSID1	Multi Security SSID1 can use WPA-PSK-TKIP or WPA/WPA2-Mixed for wireless security.
SSID2	Multi Security SSID2 can use WPA-PSK-AES for wireless security.
SSID3	Multi Security SSID3 can use WEP for wireless security.
Separate	When enabled, wireless devices connected to the AirStation can communicate only with the Internet side, not with each other.
SSID	Set SSID using 1 - 32 alphanumeric characters.
Wireless Authentication	Specifies an authentication method used when connecting to a wireless device.

Parameter	Meaning
Wireless Encryption	You may use any of the following types of encryption:
	No encryption Data is transmitted without encryption. With this setting, anyone within range can connect to your wireless network and might be able to access data on the network. Not recommended for anyone with private data that needs to be kept secure. [No encryption] can be selected only when [No authentication] is selected for wireless authentication.
	WEP is a common encryption method supported by most devices. WEP can only be selected when wireless authentication is set to [No authentication]. Note that WEP's encryption is weak, and networks protected with WEP are not much more secure than those with no encryption at all. Not recommended for anyone with private data that needs to be kept secure.
	TKIP TKIP is an encryption method which is more secure than WEP, but slower. TKIP can be selected only when WPA-PSK or WPA2-PSK is selected for wireless authentication.
	AES AES is more secure than TKIP, and faster. AES can be selected only when WPA-PSK or WPA2-PSK is selected for wireless authentication.
	TKIP/AES mixed mode TKIP/AES mixed mode allows both TKIP and AES authentication and communication. This is no more secure than TKIP alone, but more convenient for some users. TKIP/AES mixed mode can be selected only when WPA/WPA2 mixed mode - PSK is selected for wireless authentication.
WPA-PSK (Pre-Shared Key)	A pre-shared key or passphrase is the password for your wireless connections. There are two different formats for a pre-shared key. Use 8 to 63 alphanumeric characters (case-sensitive) for an ASCII passphrase, or use 64 alphanumeric characters (0 to 9 and a to f, not case- sensitive) for a hexadecimal passphrase.
Rekey Interval	Set the update interval for the encryption key between 0 and 1440 (minutes).

Parameter	Meaning
Set up WEP encryption key	A WEP encryption key (passphrase) may have two different formats. An ASCII passphrase may use either 5 or 13 alphanumeric characters (case-sensitive). A hexadecimal passphrase may use either 10 or 26 alphanumeric characters (0 to 9 and a to f, not case-sensitive).

Advanced

Configure advanced wireless settings.

Setup WAN	LAN	Wireless	Firewall	Games / Apps	NAS	Admin	Diagnostic
WPSBasic (11AOSSBasic (11		Advanced (Advanced (WMM (11n⁄a) WMM (11n⁄g⁄b)	MAC Filte Multicast		Log Out anuals & Utilities
						ed Wireless 11n/g/b)	Settings
Multicast Rate	Auto Game	devices compa	atible mode		Don't change these settings		
DTIM Period	1				unless you know what you're doing.		
Privacy Separator	Enabl	е			Multica	st Rate	
Apply						n select 6, 9, 1 54 Mbps or Au	

Parameter	Meaning
Multicast Rate	Set the communication speed of multi-cast packets.
DTIM Period	Set the beacon responding interval (1 -255) for which the AirStation responds to a wireless device. This setting is effective only when power management is enabled for the wireless device.
Privacy Separator	If enabled, the Privacy Separator blocks communication between wireless devices connected to the AirStation. Wireless devices will be able to connect to the Internet but not with each other. Devices that are connected to the AirStation with wired connections will still be able to connect to wireless devices normally.

WMM

Set priorities for specific communications.

Setu	WAN / LAN	Wireless	Firewall	Games / Apps	NAS	Admin	Diagnostic
WPS	Basic (11n∕a)	Advanced (11n⁄a)	WMM (11n⁄a)	MAC Filte		Log Out
AOSS	Basic (11n/g/b)	Advanced (11n/g/b)	WMM (11n/g/b)	Multicast	Control	lanuals & Utilities

WMM-EDCA Parameters

Priority	Parameter		
		For AP	For STA
	CWmin:	15	15
	CWmax:	1023	1023
AC_BK (Low)	AIFSN:	7	7
	TXOP Limit:	0	0
	Admission Control:		Disable 💌
		For AP	For STA
	CWmin:	15	15
AC_BE (Normal)	CWmax:	63	1023
	AIFSN:	3	3
	TXOP Limit:	0	0
	Admission Control:		Disable 💌
		For AP	For STA
	CWmin:	7	7
	CWmax:	15	15
AC_VI (High)	AIFSN:	1	2
	TXOP Limit:	94	94
	Admission Control:		Disable 💌
		For AP	For STA
	CWmin:	3	3
	CWmax:	7	7
AC_VO (Highest)	AIFSN:	1	2
	TXOP Limit:	47	47
	Admission Control:		Disable 💌

Apply

WMM Settings (11n/a/11n/g/b)

Prioritized AirStation communication for specific transactions. This settings provides some real time communication, which can help improve the quality of VOIP or other streaming protocols.

Ξ

WMM-EDCA Parameters

Do not change these settings unless you know what you are doing.

Priority

The priority is ranked (Highest) 8, (High) 4, (Normal) 2, (Low) 1.

Parameter

CWmin, CWmax

The maximum and minimum value for the contention window. The contention window is used to control the frame collision avoidance system in IEEE802.11. Values that can be inputted: 1-32767.

AIF SN

Interval of the sending frame. The unit defines a time-slot (similar to the window value of CWmin, CWmax). Lower values define a higher priority as the back-off algorithm starts earlier. Values that can be inputted: 1-15.

TXOP Limit

The time for the queue to obtain send priority. The minimum value is 32ms. Large values can send

Parameter	Meaning
WMM-EDCA Parameters	You don't usually need to change these settings. Using the default settings is recommended.
	Priority The following priorities may be applied to individual transmission packets: (Highest) 8, (High) 4, (Normal) 2, and (Low) 1. From the queue, these packets are processed in order of priority.
	CWmin, CWmax The maximum and minimum value of the contention window. The contention window is used in the frame collision avoidance structure performed in IEEE802.11, and generally, the smaller the value in the window, the higher the probability that the queue obtains the right to send.
	AIFSN The interval to send frames. The unit of the AIFSN is a slot, just as the window defined by CWmin and CWmax is. The smaller the interval of sending frames, the faster the algorithm can restart. As a result, the priority of the queue is higher.
	TXOP Limit The period of time that the queue can use after obtaining the right to send. The unit is 32 ms. The longer this time, the more frames can be sent per right to send. However, the queue may interfere with other packet transmissions. If TXOP Limit is set to 0 (zero), only one frame can be sent per right to send.
	Admission Control Restricts new frames from interfering with a previous queue. New packets are prioritized lower until a queue of them is collected. A the new queue accumulates more packets, its priority increases.

MAC Filter

Restrict access to specific wireless devices.

Setup	WAN / LAN	Wireless	Firewall	Games / Apps	NAS	Admin	Diagnostic
	sic (11n⁄a) sic (11n⁄g⁄b)	Advanced (Advanced (VMM (11n/a) VMM (11n/g/b)	MAC Filte Multicast		Log Ou anuals & Utilities
Enforce MA	AC Filtering (11n	i/a) 🔲 Enabl	P		Wireles	s MAC Filter	ing
	AC Filtering (11n	,			AirStatio	s connections on can be limit	ted to
Apply					enhance unwante enabled	client MAC age security aga ed network visi , only wireless	inst itors. When s client
Registrati	on List				address	s with register es will be allo to the AirStat	wed to
	ess Connection					MAC filter is	
Edit Regist	ration List			O INC All rights record	Both 80	MAC Filterin 2.11n/a and 8 as can be cont	02.11n/g/b

Parameter	Meaning
Enforce MAC Filtering	Enable to restrict wireless connections to devices with registered MAC addresses.
Registration List	Displays the MAC addresses of registered devices which are permitted to connect wirelessly.
Edit Registration List	Adds a wireless device to the list of permitted devices.
MAC Addresses to be Registered	Enter a MAC address of a wireless device to permit to connect to the AirStation. Click [Register] to add that MAC address to the list.
List of all clients that are associated with this AirStation	Display the list of all MAC addresses of wireless devices connected to the AirStation.

AOSS

AOSS Status and Settings.

Setup W WPS Basic (1	AN/LAN W	ireless Firewall ced (11n/a) WMM (1:	ln⁄a)	MAC Filter	S Admin Diagnost
		ced (11n/g/b) WMM (1		Multicast Co	
					AOSS (AirStation One-Touch Secure System)
AOSS Settings					AOSS is Buffalo's unique technology for quickly forming a secure wireless connection. You
Exclusive SSID fo	r WEP	802.11n/a Disabled -			can see AOSS's configuration and status from this screen.
Encryption level		802.11n/g/b Disabled 802.11n/a Enabled			Start AOSS
Dedicated WEP S	SSID isolation	802.11n/g/b Enabled 802.11n/a Disabled 802.11n/g/b Disabled			Click this button to start AOSS. The AOSS button on top of the router works the same as this button. Refer to how to use AOSS
Allow WEP for Ga	ame Console Only	802.11n/a Enable 802.11n/g/b Enable			for more details.
AOSS Button on	the AirStation Unit				This button appears when AOSS is
Current Encryp	tion Information	802.11n/a			This button appears when AOSS is enabled. Click this button to disable AOSS. Connections to wireless clients will be terminated
Encryption Type	WPA-PSK-AES (Now	(in use)			wireless clients will be terminated, <u>AOSS information</u> removed, and Encryption Type reset to its default
SSID	BUFFALO-0DC898	L_A-1			Encryption Type reset to its default value, AES. Current Encryption Information will also be removed.
Encryption Key	xn4nrryr84um5				Wireless Setting and Wireless Security are enabled in Advanced
	WPA/WPA2-PSK-mb				Settings when AOSS is disabled.
SSID	BUFFALO-0DC898	I_A			How to use AOSS How to use AOSS:
Encryption Key	xn4nrryr84um5				(1) First Power on or reboot the AirStation
Encryption Type					AOSS. (2) Press AOSS buttons
SSID	BUFFALO-0DC898	-			After rebooting, press bottoms product's AOSS buttons, the router's first, then the client's. The
	8940ED4F55C7D3 492618576E50377		(Sending	Key)	AirStation and the wireless client
Encryption Key	492618576E50377 79BF6A5FF1B721		-		will exchange security information to set up the most secure encryption type automatically and
5875D761CC4FB6					encryption type automatically and are ready to communicate.
Encryption Type	WEP64				Note:
SSID	BUFFALO-0DC898	I_A-4			 Once the AOSS button is pressed, other operations can' be started until AOSS is
25FAC0B5C8			(Sending	Key)	finished. If the AirStation can't find a wireless client after three
Encryption Key	8AFC678339				minutes, the AirStation's status returns to its previous state.
	91DE310A1D 44EE0BFE05		-		 Up to 24 wireless clients may be connected through AOSS.
Current F		800 44-1-1-			 By default, AOSS is functional but does not initiate a connection unless started
	MPA BEK AFE (Non	-			manually by pushing the AOSS button, either here or on the top
SSID	WPA-PSK-AES (Now BUFFALO-0DC898				of the router. Use AirStation's System
Encryption Key	xn4nrryr84um5				Information page to manually configure a wireless client that
	WPA/WPA2-PSK-mb	red (Now in use)			 doesn't support AOSS. When wireless security is
SSID	BUFFALO-0DC898				configured, it's security information is succeeded.
Encryption Key	xn4nrryr84um5	-			If Wireless Authorization is "WPA-
Encryption Type					PSK" "WPA2-PSK" AOSS passes
SSID	BUFFALO-0DC898	L_G-3			encryption key to WPA/WPA2 mixed mode - PSK and configures initial level to WPA/WPA2
	B60457A061F6407	-	(Sending	Key)	mixedmode - PSK.
Encryption Key	6BCF5164289F894				
	038D4E6439A6567 4747AF9FBBD620		_		AOSS
		401713000002			Configure ACCC
Encryption Type					Configure AOSS.
SSID	BUFFALO-0DC898	1_0-4	(Condin-	Kow	Exclusive SSID for WEP WEP is not a secure encryption,
	518E8667ED		(Sending	ndy)	
	A317B9CB7C				consoles. If you would like to allow
Encryption Key	A317B9CB7C BE65150A08				AOSS to use WEP encryption to
Encryption Key					AOSS to use WEP encryption to connect to your game console, check enable next to the type of
	BE65150A08				Supported by some game consoles. If you would like to allow AOSS to use WEP encryption to connect to your game console, check enable next to the type of wireless that your game console supports. This connection will only be used for the name console
	BE65150A08 41211B6404				AUSS to use WEP encryption to connect to your game console, check enable next to the type of wireless that your game console supports. This connection will only be used for the game console. Your other wireless devices will connect normally using a much more secure encryption.
Random KEY	BE65150A08 41211B6404 base Reset				supports. This connection will only supports. This connection will only your other wireless devices will connect normally using a much more secure encryption. Encryption level expansion
	BE65150A08 41211B6404 base Reset ormation dress Encryptio		Wireless	Connection Setting	supports. This connection will only be used for the game console. Your other wrieless devices will connect normally using a much more secure encryption. Encryption level expansion AOSS supports the following types of TKIP encryption. WPA, WPA2, and WPA moved mode. AOSS is enabled by default. If your client does not support WPA. WPA2, or
Random KEY	BE65150A08 41211B6404 base Reset ormation dress Encryptio WEP64/WE \$100:C8	P128 KIP/WPA-PSK-AES ^(802.11n/a)			supports. This connection will only be used for the game console. Your other wireless devices will connect normally using a much more secure encryption. Encryption level expansion AOSS supports the following types of TKIP encryption. WPA. WPA2, and WPA mixed mode. AOSS is enabled by default. If your client wPA2 mixed mode, disable AOSS.
Random KEY Apply AOSS Client Inf Name MAC Ad	BE65150A08 41211B6404 base Reset ormation dress Encryption 51:00:C6 WEP64WE WPA-PSK-T	P128 KIP/WPA-PSK-AES ^(802.11n/a)		Setting	supports. This connection will only be used for the game console. Your other wireless devices will connect normally using a much more secure encryption. Encryption level expansion AOSS supports the following types of TKIP encryption. WPA, WPA2, and WPA mixed mode. AOSS is enabled by default. If your client AOSS. Medicated WEP SSD losolation Dis feature increases security.
Random KEY Apply AOSS Client Inf Name MAC Ad MLAE- MAC Ad MLAE- NAC Ad MLAE- Idit AOSS Client AOSS Ethernet	BE65150A08 41211B6404 base Reset ormation dress Encryption 51:00:C6 WEP64WE WPA-PSK-T	P128 KIP/WPA-PSK-AES ^(802.11n/a) P128 KIP/WPA-PSK-AES ^(802.11n/g/b)		Setting	supports. This year in the commercian will ensure the same console. Your other wireless devices will connect normally using a much more secure encryption. Encryption level expansion AOSS supports the following types of TKIP encryption. WPA, WPA2, with encryption. WPA, WPA2, and WPA more does not support WPA, WPA2, or WPA2 mixed mode, disable AOSS. Dedicated WEP SSID Isolation

Parameter	Meaning
((())) A055	Initiates AOSS automatic wireless configuration. Click this, then press or click the AOSS button on your AOSS-compatible wireless client. Repeat for additional AOSS clients.
	Click this button to disconnect AOSS connections. Note: If AOSS connections are disconnected, the SSID and encryption keys will be restored to their last settings from before AOSS was used.
Exclusive SSID for WEP	You may allow a separate SSID specifically for WEP connections. If "disabled" is selected, then clients will not be able to connect with WEP.
Encryption level expansion	Expands security method from TKIP to WPA/WPA2-PSK-mixed mode.
Dedicated WEP SSID isolation	Set a separate SSID and network segment specifically for WEP connections. Devices connected with WEP will not be able to communicate with devices connected using AES/TKIP. All connected devices will be able to communicate with the internet.
Allow WEP for Game Console Only	When enabled, the AirStation allows wireless devices to connect with 64-bit or 128-bit WEP.
AOSS Button on the AirStation Unit	Uncheck to disable the physical AOSS button on the AirStation.
Current Encryption Information (AOSS connection only)	Displays the encryption type, SSID, and encryption key configured by AOSS.
Random	Click to enter random values for SSID, encryption key, and other settings.
KEY base	Click to return the SSID, encryption key, and other wireless settings to the values on the Setup Card.
Reset	Click to return the SSID, encryption key, and other wireless settings to their previous values.
AOSS Client Information*	Displays AOSS clients connected to the AirStation and information of the devices which are wirelessly communicated.
AOSS Ethernet Converter Information* *Only displayed if there are AOSS Connections	Displays information about Ethernet converters connected to the AirStation via AOSS.

Multicast Control

Configure restrictions on unnecessary multicast packets sent to the wireless LAN port.

Setup W/	AN / LAN	Wireless	Firewall	Games / Apps	NAS	Admin	Diagnostic
	(11n⁄a) (11n⁄g⁄b)	Advanced Advanced		WMM (11n⁄a) WMM (11n⁄g⁄b)	MAC Filte		Log Out anuals & Utilities
					Multica	st Control	-
Snooping	🔽 Ei	nable			IGMP s	nooping allows	s the router to he links that
Multicast Aging	Time 300	Sec.			have so	licited them.	ne links that
Apply					Snoopi	ng	
					IGMP s	nooping is des hosts on a loc	signed to al network
		(C)200	0-2012 BUFFAL	LO INC. All rights reserv			

Parameter	Meaning
Snooping	If enabled, snooping supervises multicast administrative packets such as IGMP and restricts unnecessary multicast transfers to wired or wireless ports.
Multicast Aging Time	Set the time to hold the data from multicast snooping in the range of 1 to 3600 (seconds). Enter a value bigger than the IGMP/MLD query interval.

Firewall

Firewall

Configure the AirStation's firewall.

Setup	WAN / LAN	Wireless	Firewall	Games / Apps	NAS	Admin	Diagnosti	с	
Firewal	IP Filter VPN F	Passthrough				м	Log (anuals & Utilit		
Las Out					Firewa	II		-	
Log Out	tput 🔲 Enable				to pass	he type of pac between the l	nternet and	III	
Enable	Basic Rules		Number of F	Packets	LAN. When packets reach the				
	Prohibit NBT and Mic	-		0	the pac	AirStation, the firewall evaluates the packets, and forwards packets that don't match any filter to their destination. The firewall blocks unnecessary packets from the Internet side and prevents leaking secure information from the LAN side.			
V	Reject ident requests	5		0	unneces				
	Block ping from Inter			0	secure i				
Apply					Log Ou	tput			
						ig this box will events to a log		-	
		(C)2000	-2012 BUFFAL	O INC. All rights reserv	ed.				

Parameter	Meaning
Log Output	Enable to output a log of firewall activity.
Basic Rules	Enable to use any of the quick filters. Preconfigured quick filters include:
	Prohibit NBT and Microsoft-DS routing Enabling this blocks communication using these protocols from the WAN side to the LAN side or from the LAN side to the Internet. You can configure this with PPPoE if you select [Use PPPoE client] or [Use IP unnumbered] in Method of Acquiring IP address (page 24), or if Easy Setup identified a PPPoE connection during setup.

Parameter	Meaning					
	Reject ident Requests Enabling this option will answer IDENT requests from the Internet side with corresponding rejection packets. Enable this option if you experienced slow transfer speeds for network applications such as mail, ftp or web browsing. If you have configured transfer of IDENT requests to the LAN side computer in the address translation settings (DMZ or TCP port 113), then that setting has higher priority, and overrides this setting.					
	Block ping from Internet If this is enabled, the AirStation will not respond to pings from the Internet side. You can configure this with PPPoE if you select [Use PPPoE client] or [Use IP unnumbered] in Method of Acquiring IP address (page 24), or if Easy Setup identified a PPPoE connection during setup.					

IP Filter

Edit IP filters.

Setup	WAN	/ LAN	Wireles	ss F	irewal	Game	s / Apps	NAS		Admin	Diagnostic	C	
Firewall	P Filter	/PN Passtl	hrough								Log Manuals & Utili		
									IP Filte	er Settings			
Log Output	t 🔲 Enable	e							Limits the type of packets allowed to pass between the Internet and				
Apply									LAN. The maximum number of rules is				
									32. If the packet meets one of the				
Add IP address based filter								monitoring conditions (see below) before it is routed, the specified					
Operation Ignored									action will be taken. If multiple conditions (see below) are met, the appropriate action will be performed once the packet meets the condition				
Direction	Direction Internet-JLAN -												
IP Address		dress:			→ Dest	ination:							
	O All								Log Output Checking this box will record IP filtering events to a log. Disabled by default. Accepted packets are				
	© ICMP												
Protocol	🔘 Manua	I	Protocol Nu						not logg				
	TCP/UI	DP	TCP Port Port Numb	Manual Se	tup 💌								
			FOILINGIND	er.					Add/Ed	lit IP addres	s based filter		
Add Rule									You ma	v manually	add or edit any		
IP Filter									entries.		,		
IP Filter									Operat				
Operation	Direction Source Address Destination Address Protocol Count Customize							Select the action to be performed on packets that meet filter criteria					
	N	o IP filters ha	ve been con	figured yet.					Ignore Stop th		do not route		
									it. Rejecte Return		packet to the	Ŧ	

Parameter	Meaning
Log Output	If enabled, IP filter activity is saved to a log.
Operation	Specify how to process target packets.
Direction	Specify the transmission direction of target packets.
IP Address	Specify the sender's IP address and receiver's IP address of the target packets.
Protocol	Select a protocol for target transmission packet.
IP Filter	Display the list of IP filters which have been registered.

VPN Passthrough

Configure IPv6 passthrough, PPPoE passthrough, and PPTP passthrough.

Setup WAN /	LAN W	/ireless	Firewall	Games / Apps	NAS	Admin	Diagnosti	С
Firewall IP Filter	VPN Pase	sthrough				Ma	Log C anuals & Utilit	
					VPN Pa	assthrough		•
IPv6 Passthrough	🔲 Enable	e			Specify	VPN passthro	ough settings.	_
PPPoE Passthrough	🔲 Enable	е			IPv6 Pa	assthrough		
PPTP Passthrough	🗹 Enable	e				whether to use		
Apply					passthr translat disableo	ough for addre ion. The defaul 1.	ss It setting is	
					No.44			Ŧ
		(C)200	0-2012 BUFFAL	O INC. All rights reserv	/ed.			

Parameter	Meaning
IPv6 Passthrough	Enable to use IPv6 Passthrough for address translation.
PPPoE Passthrough	Enable to use PPPoE bridging. PPPoE bridging lets you automatically obtain an IP address from your provider for your LAN- side computer using the PPPoE protocol because PPPoE packets can pass between the Internet and LAN.
PPTP Passthrough	Enable to use PPTP passthrough for address translation.

Games/Apps

Port Forwarding

Configure port translation.

Setup	WAN / LAN	l Wireles	s Fir	ewall Ga	mes / Apps	NAS	Admin	Diagnostic	
Port For	warding DMZ	UPnP Qos	Movie	Engine			N	Log O Ianuals & Utilitie	
Forward	a Port						orwarding		*
Group		New Group	Group N	lame:		addres	igh the AirStati ss translation o	nly for	
Internet-	Side IP Address	AirStation's I		Address		the LA such a	unication whicl N side, certain as network gan ou allow comm	applications, nes, require	
Protocol		© All © ICMP © Manual @ TCP/UDP	Protocol N TCP Por Port Num	t Manual Sett	ing 💌	from ti <u>NAT</u>). comm interna netwo carefu game'	he <u>Internet</u> side Edit the rules f unicating from al network to th rk device (<u>statin</u> Ily, consulting s documentatio sary. Up to 32	via (<u>static</u> or outside the e LAN side <u>c NAT</u>) your internet yon as	
LAN Side	P Address	192.168.11.2							
LAN Side	Port	TCP/UDP Port				Add o	r Edit a Forwa	arded Port	
Add						You c or edit entry.	an add a new fo an existing for	orwarded port warded port	
Forward	ed Ports					Group)		
(-roup	nternet-Side IP A AN Side IP Addr	ess LAN	Side Port	Customize		You c to con multin	an give a name figured <u>static N</u> le <u>static NAT</u> s	(group name) <u>AT</u> s and give one name and	
	Port forwardin	g has not been			C. All rights reserv	manag After r enable	ge them togeth naming groups, or disable eac	er.	Ŧ

Parameter	Meaning
Group	Specify a group name for a new rule to belong to. Select [New Group] and enter the new group name in the Group Name field to create a new group. A group name can include up to 16 alphanumeric characters.
Internet-Side IP Address	Enter the Internet side IP address (before translation) for the port translation table entry.
Protocol	Select the Internet side protocol (before translation) for the port translation table entry.

Parameter	Meaning
LAN Side IP Address	Enter the LAN side IP address (after translation) for the port translation table entry.
LAN Side Port	Select the LAN side (after translation) port number (1 - 65535) for the port translation table entry.
Forwarded Ports	Shows current entries in the port translation table.

DMZ

Configure a destination to transfer communication packets without a LAN side destination to.

Setup	WAN / LAN	Wireless	Firewall	Games / Apps	NAS	Admin	Diagnostic
Port Forwarding DMZ UPnP QoS Movie Engine Log Out Manuals & Utilities							
IP Address	s of DMZ		_		DMZ Se	ettings	
The IP add is [192.168.1 Apply	ress of the client 11.2]	t that is configu	ring this AirSt	tation	Specify network commu transferi entered	the address of device to whin nication packer red. When an for the DMZ, i to to access th	ch rejected ets are to be IP address is it becomes
		(C)200	0-2012 BUFFAL	O INC. All rights reserv	/ed.		

Parameter	Meaning
IP Address of DMZ	Enter the IP address of the destination to which packets which are not routed by a port translation table are forwarded. Note: RIP protocol packets (UDP port number 520) will not be forwarded.

UPnP

Configure UPnP (Universal Plug and Play).

Setup WAN/LAN W	Vireless Firewall	Games / Apps	NAS	Admin	Diagnostic
Port Forwarding DMZ UPn	nP QoS Movie Engin	e		м	Log Out anuals & Utilities
UPnP V Enable			UPnP		Ē
Apply			network UPnP c	is enabled he applications t an configure p on automatica	hat support
	(C)2000-2012 BUFFAL	O INC. All rights reserv	ed.		
Parameter	Meani	ng			
UPnP	Enable	or disable Unive	rsal Plug	and Play (L	IPnP) function

QoS

Configure the priority of packets sent to the Internet.

Se	etup	WAN / LAN	Wireless	Firewal	Games / Ap	ops NA	S Admin	Diagnostic	
Port	Forward	ding DMZ UPr	P QoS Movie	e Engine				Log O Manuals & Utiliti	
QoS	6 for trans	smission to the Int	ernet 🔽 Enable				QoS Settings		*
_		ridth 1000	Kbps				QoS (quality of sei network devices to by type. This can be used t traffic that requires	to give priority to	ш
No.	Enable	Application Name	;	Protocol	Destination Port	Priority	traffic that requires data flow, such as	VOIP.	
1		VolP		UDP 💌		high 💌	QoS for transmis	sion to the	
2		ssh		TCP 💌	22	medium 💌	Internet	les priority to	
3		telnet		TCP 💌	23	medium 💌	If checked, this giv packets being tran Internet. When ena able to add four lev	ismitted to the	
4		ftp		TCP 💌	21	low 💌	able to add four lev priority for specific	els of increased	
5				TCP 💌		low 💌	By default, this is	disabled.	
6				TCP 💌		low 💌	Uplink Bandwidt	h	
7				TCP 🔻		low 💌	Specify the bandw from this unit to th	idth transferred e Internet in	
8				TCP 🔻		low 🔻	kbps. The real uplink bar	ndwidth should	
Арр	bly		(C)20		FALO INC. All rights r	asanad	be entered. If a bandwidth valu real line speed is e	e larger than the entered, the	-

Parameter	Meaning
QoS for transmission to the Internet	Determine whether or not to prioritize packets sent to the Internet. Check this box to enable QoS.
Uplink Bandwidth	Specify the upstream bandwidth in kbps from the AirStation to the Internet side. Set the actual value for the upstream bandwidth.
Enable	Enable or disable this entry.
Application Name	Enter an application name. Names may use up to 32 alphanumerical characters, double or single tick marks ("'), quotation marks ("), and semicolons (;).
Protocol	Select either TCP or UDP.
Destination Port	Specify a destination port from 1 - 65535. If this field is empty, a random port is selected.

Parameter	Meaning
Priority	Select high, medium or low. If packets do not qualify for classification as a type on the list, then their priority is treated as a level between medium and low.

Movie Engine

Configure Movie Engine options.

Setup WAN / L	AN Wireless	Firewall	Game	s / Apps	NAS	Admin	Diagnostic	c
Port Forwarding D	MZ UPnP QoS	Movie Engir	ne			м	Log C anuals & Utiliti	
To enable Movie Er	ngine (QoS), mov	e the movie e	engine s	witch on	Movie I			•
the AirStation to the Movie Engine Status	e on position.		-		to priorit	ed, Movie Eng ize network tr io streaming.	ine uses QoS affic for video	
Packet Control Set	ting				Display Movie E	Engine Status the status (or ngine switch o	n or off) of the on the	ш
IPv6 Passthrough	🗷 Use				enabled	on. Movie Eng when the swi	ine is tch is on.	
Multicast Rate	11 Mbps 💌							
	Snooping	🗹 Use			Packet	Control		
Multicast Control	Aging Time	300 8	Seconds					
	Change Priority	VI (priority)	•		IPv6 Pa	ssthrough		
TCP Rwin Size Limit	Size Limit	🔲 Limit			IPv6 are	atly expands	the number of	
TCP RWIN SIZE LIMIL	Maximum Rwin Size	65536 t	bytes		Internet	addresses av	ailable. IPv6	
Apply					the AirS	tation is in ro	uter mode.	
					Multica			
Wireless Priority Co	ontrol Rules				Mbps, o have se	ault multicast r 6 Mbps on 1 lected 1, 2, 5.	11n/a if you	
No. MAC Address	IP address Protoco	Port Numbe	er Priorit	У	Mbps.			
Wireless	priority control rules no	ot registered.				st Control		
Edit					Multicas	st control setti	ings:	
					Snoop	oing		Ŧ
	(C)20	00-2012 BUFFAL	O INC. All	rights reserve	d.			

Parameter	Meaning
Movie Engine Status	Displays the status of the Movie Engine switch.
IPv6 Passthrough	Set to enable the IPv6 pass-through.
Multicast Rate	Select the Multicast Control rate.
Multicast Control	Turn on Multicast Control.
TCP Rwin Size Limit	Limits the maximum size of TCP Rwin packets passing through the AirStation's wireless LAN.
Wireless Priority Control Rules	Display the list of rules controlling the priority of packets passing through the AirStation's wireless LAN.

NAS

Disk Management

View the status of and configure attached USB hard disks.

Setup W	AN / LAN Wire	eless Firewall Games / Apps NAS Admin Diagnostic						ic				
	nent Shared Fold Media Server Bit		Sharin	g			М	Log anuals & Utili				
							Disk Management					
USB Drives Displays the status of attached USB disks and allows you to								=				
Device D	isk	Partition				manage	e these disks.	Information				
USB Carder Remove Disk1 (Automatic Assignment) Partition1 Format FAT Status Mounted Used/Available(%) 145,824 / 7,778,304 (2%) Operation Format					304 (2%)	for up to four connected USB disks is displayed. If the USB disks have multiple partitions, then the information for the first four partitions will be displayed. Windows compatible primary partitions and extended partitions are recognized. The possible operations are format and remove USB disk. Disk file checking is executed with						
	recognize USB Devic					a PC.		executed with				
Advanced Set	tings						eral drives or or					
Automatic USB	Disk Assignment	Enab	le			drive	ole partition is c might not be de	tected				
FAT Format File	ename Character C	ode North A	merica ((CP437) 💌			rly. Please con ingle partition.	nect one drive				
Sleep Mode Enable Sleep Mode Intervel 10 Minutes				Minutes	Device							
Apply						Display identific	detected USE ation.	3 disk				
		(0)2000.2012		O INC. All right	e reconved				Ŧ			

Parameter	Meaning
Device	Displays information for attached USB drives. To dismount a drive, click [Remove] in the Device column.
Disk	A disk number will be automatically assigned to the drive or you can choose a number. Select a drive number, or select [Do not assign], then click [Apply].
Partition	Displays the partition information for the selected USB drive. Click [Format] to format the drive. Note: formatting a drive will erase all information on it.
Re-recognize USB Devices	Click this to re-scan for connected USB drives.

Parameter	Meaning
Automatic USB Disk Assignment	Check [Enable] to automatically select an attached USB hard disk. The entire drive will be used as the shared folder. To configure your disk and share manually, uncheck [Enable]. [Enable] is selected by default.
FAT Format Filename Character Code	Select the character code for filenames in FAT formatted partitions.
Sleep Mode	Click [Enable] to enable Sleep Mode.
Sleep Mode Interval	Powers down the device after this duration of time.

Shared Folder

Configure a USB hard disk for use with shared folders.

Setup W	AN / LAN	Wireless	Firewall	Games / Apps	NAS	Admin	Diagnostic	
Disk Managemen WebAccess Med			haring	_			Log O Manuals & Utiliti	
Shared Folder Se	ettings					hared Folder Se		•
	Read and V	Vrite 💌			u	ormally, the entire sed as a shared fo	Ider. The	
	Read and W	rite	Read Only	No access	W	hared folder name here X is the disk	number and Y	
Access Restriction	5			Guest	di fo A	the partition num sk1_pt1 can be us lder for the media ccess Restriction	sed as the server. I s	ш
WebAccess	Access R	estrictions			th	ou may limit or en le share for specifi	c users. Users	
Apply						an be given permis rite, read-only, or		
1,44,1					v	/ebAccess		
		(0)) INC All rights reserved		this is checked, V	VebAccess	Ŧ

Parameter	Meaning
Shared Folder Name*	Enter a name for the shared folder. Up to 18 alphanumeric characters, spaces, hyphens (-), and underscores (_) may be used.
Shared Folder Description*	Enter a description of the shared folder (optional). Up to 75 alphanumeric characters, spaces, hyphens (-), and underscores (_) may be used.
Disk Partition Area*	Displays the partition area, format type, and the capacity of the USB disk.
Disclosed to*	Check the functionality that you want to support. Win/Mac OS (Samba NAS), Web Access, Media Server, and/or BitTorrent may be checked. Only one folder may be chosen for either Media Server or BitTorrent functionality.
Access Restrictions	If access limits are enabled, use the arrows to move highlighted users between the columns for [Read and Write], [Read only], or [No access] privileges.

Parameter	Meaning
WebAccess	You may also select to enforce access limits on users accessing through Web Access by checking the Access Restrictions checkbox. Users will have the same access levels as assigned above. If Access Restrictions is not checked, then all users accessing the shared folder via Web Access will have [Read only] access.
Shared Folder Registration Information*	Displays information about the shared folder.

* This is not displayed when Automatic USB Disk Assignment (page 60) is used:

The following shared folder settings are used when Disk Management is activated:

- All folders: Access limits in effect.
- Shared Folder/ Web Access: All folders are shared.
- Media Server/BitTorrent: The first folder is shared.

Users

This screen lets you add users to the access list with the ability to access shared folders.

Set	up WA	N / LAN	Wireless	Firewall	Games / Ap	ps	NAS	Admin	Diagnostic
	isk Management Shared Folder Users Sharing Log Out /ebAccess Media Server BitTorrent Manuals & Utilities								
Add	User						User Ma Userna	anagement	
User	name								ain from 1 to
	sword			(confirmation)			20 alpha hyphens periods as the fi	nes may conta numeric chara s (-), undersco (.). Do not use rst character. simum numbe	acters, ires (_), and e a symbol
User	Descriptio	n						be registered	
Add							Passwo	rd	
Curr	ent Users						access passwar alphanu	meric charact	der. The n from 1 to 20 ers, hyphens
No.	Username	User Desc	Jser Description (-), and underso use a hyphen a					underscores (/phen as the f	_). Do not irst
	guest	Built-in acc	Built-in account for guest access to the system character. For Windows 95, 98, and 98SE, up to 14 alphanumeric					vs 95, 98,	
		N	o users registere	ed.			characte OS, up t	ers may be us to 8 alphanum ers may be us	ed. For Mac

Parameter	Meaning
Username	Enter the name of a user to be given access to the shared folder. Up to 20 alphanumeric characters, space, hyphens (-), underscores (_), and periods (.) may be used for each user. Up to 16 users may be entered.
Password	Enter the user's password. Use of the same password that they use to log into their computer is recommended. Up to 20 alphanumeric characters, spaces, hyphens (-), and underscores (_) may be used. For Windows 98SE/98/95 users, up to 14 alphanumeric characters may be used. Mac OS users may use up to 8 alphanumeric characters. If you enter a longer password than your users can use, then they will not be able to access the share.
User Description	Describe the user (optional). Up to 75 alphanumeric characters, spaces, hyphens (-), and underscores (_) may be used.
Current Users	Lists current users, including "guest". Guest is a built-in account that cannot be changed or deleted.

Sharing

Assign AirStation and workgroup names to access shared folders.

Setup WAN / LAN	Wireless	Firewall	Games / Apps	NAS	Admin	Diagnostic	
	Disk Management Shared Folder Users Sharing Log O WebAccess Media Server BitTorrent Manuals & Utilitie						
				Sharing	9		
Shared Folder	🗷 Enable			Shared	Folder	=	
AirStation Name	AP106F3F0D0	2898		This option allows you to make a USB disk available on your local			
AirStation Description		network. The default s "Enabled "					
Workgroup Name	WORKGROU	D		You ma	y specify acce	ess to shared	
Windows Client Language	North America	(CP437)	•		as follows:		
Apply				(AirStat	ess of the Air XXXXXXXXXX ion Name in 1	· ·	
Shared Service				or less)			
Shared Service Enabled					ion Name	A1 01 11 1	
	(0)000		O INC All rights recen	hostnan	y change the ne here. Only	the first 15 🖉 🖕	

Parameter	Meaning
Shared Folder	Enable to make a USB disk available on your local network.
AirStation Name	Rename your AirStation if desired. Up to 15 alphanumeric characters, space, and hyphens (-) may be used. The AirStation name is also used as the hostname that will be used with the shared service. The shared service may not be available you use over 15 alphanumeric characters in your AirStation's name.
AirStation Description	Describe the AirStation (optional). Up to 48 alphanumeric characters, space, hyphens (-), and underscores (_) may be used.
Workgroup Name	Enter your workgroup name. Up to 15 alphanumeric characters, space, hyphens (-), underscores (_), and periods (.) may be used.
Windows Client Language	Select the language to be used by the Windows client.
Shared Service	Displays the status of the USB disk that is used with the shared service.

WebAccess

The screen to configure Web Access.

Setup WAN / LAN	Wireless	Firewall	Games / Apps	NAS	Admin	Diagnostic	
Disk Management Shared Folder Users Sharing Log Out WebAccess Media Server BitTorrent Manuals & Utilities							
WebAc							
WebAccess	Enable			١	VebAccess	E	
WebAccess Display Language	English 💌				VebAccess lets yo		
HTTPS/SSL Encryption	Enable			a	n your NAS from a n Internet connect	tion. By default,	
WebAccess External Port	Auto 💌			v	VebAccess is disa /hen_configuring W	/ebAccess, or	
WEDALLESS EXICITIAL FUIL	Port Number: 9000				our files might be b everyone on the		
	Use BuffaloNAS.c	om registration 💌			WebAccess Display Language Choose the language for WebAccess. The default is "English."		
DNS Service Hostname	BuffaloNAS.com na	me					
	BuffaloNAS.com key	/					
Apply					-		
					ITTPS/SSL Encry Sets whether or not	•	
WebAccess Wetter of inter transfers (Use https://sistead.of.http). The default setting is "Not used."					transfers (Uses p). The default		
WebAccess Disabled	WebAccess External Port					nal Port	
External Port Status Disabled	d Configures the external port for t						
BuffaloNAS.com Not register	red			۱ s	VebAccess interfa etting is [Auto] an 000	ce. The default	

Parameter	Meaning
WebAccess	Check [Enable] to use Web Access.
WebAccess Display Language	Set the language to be used with Web Access.
HTTPS/SSL Encryption	Check [Enable] to use SSL encryption for protected data transfer.
WebAccess External Port	Automatically sets the external port used for Web Access. To select the port manually, select [Manual].
DNS Service Hostname	Sets the DNS service hostname for WebAccess. For ease of use, selecting Use BuffaloNAS.com registration is recommended. Enter your BuffaloNAS. com name and key] to use BuffaloNAS.com. 3 - 20 alphanumeric characters, spaces, hyphens (-), underscores (_) and period (.), may be used in the BuffaloNAS.com name. 3 - 20 alphanumeric characters, spaces, hyphens (-), underscores (_) and period (.), may be used in the BuffaloNAS. com key. Note: The registered name is deleted from the server if the AirStation is disconnected from power, even for a moment.

Parameter	Meaning
WebAccess	Displays the status of Web Access.
External Port Status	Displays the status of the external port.
BuffaloNAS.com	Displays the status of BuffaloNAS.com.

Media Server

Media Server settings.

Setup	WAN / LAN	Wireless	Firewall	Games / Apps	NAS	Admin	Diagnostic	
	Disk Management Shared Folder Users Sharing Log Ou WebAccess Media Server BitTorrent Manuals & Utilities							
]				Media	Server	-	
Media Ser	ver 🔲 Enable					C		
Apply						server whether or no erver. It is dis	t to use the	
Status								
Status Dis	sabled				Status			
Refresh	Update Databas	е			Status Displays	s the media s	erver status. If	
		(C)200	0-2012 BUFFAL	O INC. All rights reserv	/ed.			

Parameter	Meaning		
Media Server	Enable to use the media server.		
Status	Displays the status of the media server.		

BitTorrent

Configure the BitTorrent client.

Setup WAN / LA	N Wireless	Firewall	Games / Apps	NAS	Admin	Diagnostic	
Disk Management Shar WebAccess Media Serv		Sharing				Log Out Manuals & Utilities	
					BitTorrent		
BitTorrent	nable				BitTorrent		
External Port Number Port	o Number 9002				BitTorrent is a peer- sharing protocol us distributing large an over the Internet. Th	ed for	
Advanced Settings					includes a built-in E By default, the BitT disabled. Before downloading	orrent client is I files with	
Bandwidth Restriction Image: Comparison of the second					BitTorrent, enable Samba or WebAccess on the shared folder Downloaded files will be saved on the bittorrent folder on the USB disk. If the USB drive is		
Apply Download Manager Dele	te all BitTorrents				automatically assig BitTorrent download disk1 pt/bittorrent. If the USB drive is r automatically assig BitTorrent download share/bittorrent	d folder will be not	
					While BitTorrent is	running other	
BitTorrent Status					router functions and Admin interface ma	d the Web	
BitTorrent Status	Not Available (spe	cified disk's file sy	stem does not support E	BitTorrent.)	Note		
BitTorrent External Port Sta	atus Disabled				Format your USB (you use BitTorrent		
	(C)2	2000-2012 BUFFAL	.O INC. All rights reserve	d.			

Parameter	Meaning
BitTorrent	Enable to use the BitTorrent client. If the BitTorrent client is enabled, overall communication performance may decrease and settings screens may respond slower. If that happens, reformat the USB disk with XFS. That may help performance.
External Port Number	Select an external port number.

Parameter	Meaning
Bandwidth Restriction	Set a bandwidth limit for BitTorrent.
Download Manager	Displays the BitTorrent download manager screen. Add a torrent, then click [Add] to download the file(s).
Delete all BitTorrents	Deletes all files, including the torrent files and files which are currently downloading. Downloaded files are not deleted.
BitTorrent Status	Displays the status of the BitTorrent client.
BitTorrent External Port Status	Display the external port status of the BitTorrent client.

You can download the latest Windows BitTorrent client from www.bittorrent.com.

Admin

Name

Configure basic AirStation settings.

Setup	WAN / LAN	Wireless	Firewall	Games / Apps	NAS	Admin	Diagnostic
	Name Password Time/Date NTP ECO Access Log Save/Restore Log Out Initialize/Restart Update Manuals & Utilities Manuals & Utilities						
					AirStat	ion Name	
AirStation	Name AP106F3	F0DC898			AirStat	ion Name	
Network S	ervices 🛛 Enab	le			This car for the A	n be used to a AirStation.	ssign a name
Apply					up to 64 and hyp	Station name r l alphanumeric hens (-). Don'i	characters tuse a
		(C)200	0-2012 BUFFAL	O INC. All rights resen	ved.		

Parameter	Meaning
AirStation Name	Enter a name for the AirStation. Names may include up to 64 alphanumeric characters and hyphens (-).
Network Services	Enable or disable this to display the computers and devices on your network with their supported services.

Password

Configure the password to log in to the AirStation's configuration screen.

Setup	WAN / LAN	Wireless	Firewall	Games / A	Apps	NAS	Admin	Diagnostic	2
	Name Password Time/Date NTP ECO Access Log Save/Restore Log Out Initialize/Restart Update Manuals & Utilities								
		AirStation Administrator Password						ator	* 11
Administra	tor	admin (fixed)							_
Administra	tor Password	•••••		(Confirm)		Administrator The administrator account "admin" is used to configure the AirStation. It cannot be deleted or renamed.			
Apply						Administrator Password			
(C)2000-2012 BUFFALO INC. All rights reserved.									

Parameter	Meaning
Administrator	The name of the Administrator account is "admin".
Administrator Password	The Administrator password may contain up to 8 alphanumeric characters and underscores (_).

Time/Date

Configure the AirStation's internal clock.

Setup WAN	/ LAN Wirel	ess Firew	all Games / Apps	NAS	Admin	Diagnostic					
Name Password Time/Date NTP ECO Access Log Save/Restore Manual Manua											
					Time and Date	Â					
	NTP is enabled. Changes made to time and date settings may be overwritten by the NTP server when it syncs.										
Local Date	2012 Year 6	Month 29 D	Day		configured with the correct time. The AirStation is no exception.						
Local Time	3 Hour 20	Minute 23 Se	econds		You may use an NT the time automatica	ally for all					
Time Zone	(GMT-06:00) Centr	al Standard Time: C	ST 🔹		devices, or you may set the time and date manually.						
DST (Daylight Saving Time)	DST (Daylight Saving Time) USA (from second Sunday in Mar to first Sunday in Nov)										
Apply Refresh Get Current Time from your PC The AirStation's internal clock is reset to its default setting whenever power is lost because it doesn't have a battery.											
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Parameter	Meaning
Local Date	You may manually set the date of the AirStation's internal clock.
Local Time	You may manually set the time of the AirStation's internal clock.
Time Zone	Specify the time zone (offset of Greenwich Mean Time) of the AirStation's internal clock.
DST (Daylight Saving Time)	You may configure the AirStation to automatically use DST (Daylight Saving Time). If selected, the AirStation will automatically adjust the time at the beginning and end of DST.

NTP

Configure an NTP server to automatically synchronise the AirStation's internal clock.

Setup	WAN	/ LAN	Wireless	Firewall Games / Apps			NAS	Admin	Diagnosti	с
Name Password Time/Date NTP ECO Access Log Save/Restore Log Manuals & Utility Initialize/Restart Update Manuals & Utility Manuals & Utility Manuals & Utility										
							NTP			* =
NTP Funct	ionality	🔽 Enab	le				Most n	etwork devices	can	
NTP Serve	r	time.nis	t.gov				automa	tically undate t	their time	
Update Inte	erval	24	hours				lets you	s from an NTP easily keep a set correctly. n of Network T	Il network	
Apply							acronyr	n of Network T	ime Protocol.	
							NTP Fu	inctionality		-
	(C)2000-2012 BUFFALO INC. All rights reserved.									

Parameter	Meaning
NTP Functionality	Enable to use an NTP server. The default is Enabled.
NTP Server	Enter the name of the NTP server as a hostname, hostname with domain name, or IP address. Up to 255 alphanumeric characters, hyphens (-), and periods (.) may be used. The default is "time.nist. gov".
Update Interval	How often will the AirStation check the NTP server for the correct time? Intervals of 1 - 24 hours may be set. The default is 24 hours.

ECO

Configure Eco mode from this screen.

Setup	WAN /	LAN	Wire	less	Fi	rewall	G	ames /	Apps	NA	S Admin	Diagnostic	
Name Passy Initialize/Res			NTP	ECO	Acce	ss Log	Sav	/e/Rest	ore		Ma	Log Ou nuals & Utilitie	
Initialize/Nes		uate											n.
Scheduling [Enable										ECO		
Apply											ECO mode lets you slo down the AirStation du of inactivity to save ene	ring periods	
											Scheduling		
Weekly Sche	dule										Enable to use ECO mo mode is disabled by de		
00 02	2 04	06	08	10	12	14	16	18	20	22	Note:		
Sun Mon											 If the AirStation por during communica communication wi disconnected. 	ation, the	=
Tue Wed											 If ECO mode has down the AirStatio not work until the o mode returns to n 	n, AOSS will operational	
Thu											 To temporarily res operational mode hold down the AOS a few seconds. 	tore the to normal,	
Sat											a lew seconds.		
Jac													
Normal	Sleep	UserD)efined								Weekly Schedule		
	Operat	ional Mod	le Norm	al	•						To change operational select a period of time change.		
	Start Ti		0:00								Schedule Entry		
Schedule Entr	y End Ti	me	0:30	-							Operational Mode Select an operational	mode	
	Day of	Week	Sun M	on Tue	Wed Thi	u Fri Sat					Normal Unit operates norma		
Add											Sleep		
											The following energy operations are perfor	-saving rmed.	
User Defined	Mode S	Settings	5								* Turn off LED * WAN port disabled * Wired LAN turned o	ff	
	LE	Ð	Off	•							* Wireless LAN turne	d off	
User Defined		ired LAN ireless LA	ECO N Off	▼							User Defined Uses the settings de	fined below.	
Apply											Start Time	ago into the	
				101	2000.00				ts reserv		Select the time to chan selected operational r from 0:00 to 23:30 in 3	node. Times	-

Parameter	Meaning
Scheduling	Enable to schedule Eco Mode. If Eco mode is enabled, AOSS will function only when the AirStation is in Normal operating mode.
Weekly Schedule	Graphically displays the configured schedule.
Schedule Entry	Configure operational mode for time periods in the weekly schedule. If User Defined mode is chosen, configure it below.
User Defined Mode	Individual power saving elements may be configured for User Defined mode.

Access

Restrict access to the AirStation's settings screens.

Setup	WAN / LAN Wireless	Firewall	Games	/ Apps	NAS	Admin	Diagnost	tic				
	Name Password Time/Date NTP ECO Access Log Save/Restore Manuals &											
Log Out	put Enable				You ma	ement Acces y prohibit mar Station in spec	agement of	* II				
Enable	Management Access	Number of	f Packets		circums	tances. Enab	ling any of					
	Prohibit configuration from wireless LAN		0		changes	s being made	to the					
	Prohibit configuration from wired LAN		0		AirStation's settings from PCs that meet the listed limitation criteria.							
Interne	t Side Remote Access				boxes a difficult	at checking all t once will ma to make future station's settin	ke it very changes to					
Enable	Management Access											
	Permit configuration from wired Internet Log Output											
Apply					Checkin "Manag to a log default.	ng this box wil ement Access . Logging is di	l record s" information sabled by	Ŧ				
	(C)2000-2	012 BUFFAL	O INC. All ri	ights reserve	d.							

Parameter	Meaning
Log Output	Enabling outputs a log of changes to access settings.
Prohibit configuration from wireless LAN	If enabled, prevents access to settings screens from wirelessly connected devices (only wired devices may configure).
Prohibit configuration from wired LAN	If enabled, prevents access to settings screens from wired devices (only wirelessly connected devices may configure).
Permit configuration from wired Internet	If enabled, allows access to settings screens from network devices on the WAN (Internet) side.
Permitted IP Address	Displayed only if Internet side configuration is enabled. Enter the IP address of a device that is permitted to configure the AirStation remotely from the WAN (Internet) side.
Permitted Port	Displayed only if Internet side configuration is enabled. Set a port number (1 - 65535) to configure the AirStation from the WAN (Internet) side.

Log

Transfer the AirStation's logs to a syslog server.

Setup	WAN	I/LAN	Wirele	SS	Firewall	Gam	ies / Apps	NAS	Admin	Diagnostic
Name Pa Initialize/F				PE	CO Access	Log	Save/Rest	ore	M	Log Ou anuals & Utilitie
Transfer L Syslog Se Logs	ogs	Enable Address Firewall Dynamic DHCP S Wireless Setting C NTP Clie	Translation DNS erver Client Changes ent ar All		IP Filter PPP Client DHCP Client AOSS Authentication System Boot Wired Link 0-2012 BUFFAL	D INC.	All rights resen	Syslog logs to Transfi Enable logs to by defa Syslog The Sy specific addres to 255 hyphen should period	Setup transfers the A a syslog serve er Logs to transmit the a Syslog serve	AirStation's r. e AirStation's er. Disabled y be ne or IP ay include up characters, ds (.). It d with a
Paramet	ter				Meani	ng				
Transfer L	ogs				Enable	to sei	nd logs to a	a syslog s	server.	
Syslog Server Identify the syslog server by hostnam name, or IP address. You may enter u characters, hyphens (-), and periods (nter up to 2				

Logs

Choose which logs will be transferred to the syslog server.

Save/Restore

Save AirStation settings as a file, and restore from them later.

Setup WAN / LAN Wirele	ss Firewall	Games / Apps	NAS	Admin	Diagnostic						
Name Password Time/Date NTP ECO Access Log Save/Restore Log Manuals & Utilit Initialize/Restart Update Manuals & Utilit Manuals & Utilit Manuals & Utilit											
Save Current Settings				ve/Restore AirS tings	itation						
	figuration file with a pass	word	Sa	ve Current Setti	ings						
Restore Configuration from Backup File	Backup file Restore Enter password	Brow	rse set ma of t	ce you've got you up the way you y save the currer he AirStation to a t you're using for	want it, you nt configuration a file on the PC						
	(C)2000-2012 BUFFAL			ote:							

Parameter	Meaning
Save Current Settings	Clicking [Save] will save the current configuration of the AirStation to a file. If the [Encrypt the configuration file with a password] option is checked, then the configuration file will be password protected with the password.
Restore Configuration from Backup File	Restore the configuration of the AirStation from a saved configuration file by clicking the [Browse] button, navigating to the configuration file, and then clicking Restore. If the configuration file was password protected, then put a check next to [Enter password], enter the password, and click [Restore].

Initialize/Restart

Initialize or restart the AirStation.

Setup	WAN / LAN	Wireless	Firewall	Games / Apps	NAS	Admin	Diagnostic				
Name Password Time/Date NTP ECO Access Log Save/Restore Log Contraction Log Contraction Manuals & Utility											
т	his reboots your Air	Station			Initializ	e/Restart	Â				
Restart o	Restart Now	Station.			Restart		E				
					This reb	oots your Airs	Station.				
Initialize	his will restore you Initialize Now	r AirStation to the	e factory default s	ettings.		gs affected: rting will reset	the clock to its				
		(C)200	0-2012 BUFFAL	O INC. All rights resen	defaul		*				

Parameter	Meaning
Restart	Click [Restart Now] to restart the AirStation.
Initialize	Click [Initialize Now] to initialize and restart the AirStation.

Update

Update the AirStation's firmware.

Setup W	AN / LAN	Wireless	Firewall	Games / Apps	N/	AS	Admin	Diagnosti	с		
Name Password Time/Date NTP ECO Access Log Save/Restore Ma											
						Firm	ware Update		Â		
Firmware Version	WZR-600DHF	Ver.1.78				Updat	ted firmware oft	en includes	I		
Update Method	Specify Lo Auto Upda					bug fixes, new features, and better performance.					
Firmware File Name				Browse		Firmware Version Displays the firmware version of the AirStation					
Update Firmware	е						ate Method				
Get updated fi	rmware files	from the link b	pelow:				ase select firmw hod.	are update			
			ecify Local File date the firmwa	re with a file	÷						

Parameter	Meaning
Firmware Version	Displays the current firmware version of the AirStation.
Update Method	Specify Local File Updates from a firmware file stored on your computer.
	Auto Update Online Automatically updates to the latest firmware available.
Firmware File Name	Click [Browse] to navigate to the firmware file on your computer if [Specify Local File] was selected. You don't need to specify the firmware location if you're using [Auto Update Online]. Click [Update Firmware] to update the firmware.

Diagnostic

System Info

View system information for the AirStation.

Setup WAN / LAN			s / Apps	NAS	Admin	Diagnost	_	
System Info Logs Pa Ping	icket Info Client I	vionitor			M	Log anuals & Util		
				System	Information			
Model	WZR-600DHP Ver.1.7	78 (R1.09/B1.01)						
AirStation Name	AP106F3F0DC898			Displays the AirStation's main settings.				
Node Switch Status	Router mode on			Model				
Operational Mode	Router mode on				the model na	ame and		
Movie Engine Status	OFF			firmware	version of the	AirStation.		
Internet	Method of Acquiring IP Address	Auto Detect Mode - PF	PoE		on Name the AirStatio e.	n's		
	Name of Connection Connection Status Operation IP Address PPP Server IP DNS1(Primary) DNS2(Secondary)	Easy Setup (Default C Online Stop 180.30.158.190 118.23.61.228 222.146.35.137 (Auto) 221.184.25.25 (Auto)		Displays ROUTER Operati o	onal Mode the current n			
	MTU Size Wired Link MAC Address	1454 1000Base-TX (Full-du 10:6F:3F:0D:C8:98	iplex)	Displays Engine s				
LAN	IP Address Subnet Mask DHCP Server MAC Address	192.168.11.1 255.255.255.0 Enabled 10:6F:3F:0D:C8:98		informati	n's <u>Internet p</u> on.	_		
	Wireless Status SSID Authentication Encryption	Enabled BUFFALO-0DC898_A WPAWPA2 mixed mod TKIP/AES mixed mode	de - PSK	Acquiri Name The na connec	d of Acquiring ng a Internet If of the Connec Ime of the PPF ction specified	Paddress. tion PoE		
Wireless (802.11n/a)	Broadcast SSID Privacy Separator Wireless Channel 300 Mbps Mode MAC Address	Enabled Disabled 40 (Auto) 40 MHz (extension cha 10:6F:3F:0D:C8:99	annel : 36)		ction Status ys the current I	Internet side		
	Wireless Status SSID Authentication Encryption	Enabled BUFFALO-0DC898_G WPAWPA2 mixed mode	de - PSK	The Op any DH is activ	tional Mode perational Mod ICP or PPPoE e. If DHCP is i ng commands ed.	configuration n use, the		
Wireless (802.11n/g/b)	Broadcast SSID Privacy Separator Wireless Channel 300 Mbps Mode MAC Address	Enabled Disabled 11 (Auto) 20 MHz 10:6F:3F:0D:C8:98		ado DH • [Re ado	elease] : Relea dress assigne ICP Server. enew] : Renew dress from the iver.	d by the s the IP		
VAS	USB disk Shared Folder WebAccess Media Server BitTorrent	Connected Enabled Disabled Disabled Disabled		The fol execute • [Sta	lowing comma ed when using art] : Start conn PoE Server fro	PPPoE. ecting to a		
ECO Mode	Status	Disabled			nnect] : Conne			
Refresh	oidlus	DISADIGA		 [Dis cor 	m an idle cond sconnect] : Dis mmunication w wer.	connect		
				101	nl : Cton idle /	1111		

• [Stop] : Stop idle condition.

Parameter	Meaning
Model	Displays the product name of the AirStation and the firmware version.
AirStation Name	Displays the name of the AirStation.
Mode Switch Status	Displays the status of the AirStation's mode switch.
Operational Mode	Displays the AirStation's current operational mode.
Movie Engine Status	Displays the current Movie Engine Status.
Internet	Displays information about the Internet port.
LAN	Displays information about the LAN port.
Wireless	Displays the wireless status.
NAS	Displays information about the USB disk.
ECO Mode	Displays the operating status of ECO Mode.

Logs

The AirStation's logs are recorded here.

	Setup	WAN	/ LAN	Wireles	s Firewall	Games / Apps		NAS	Admin	Diagnost	ic
	ystem Inf	fo Log	s Pack	et Info C	lient Monitor				Ma	Log anuals & Utili	
							Â	Logs			Â
	isplay log	I Fii I D I I D I I D I I D I I V W I I Se	Idress Tra rewall /namic Di HCP Serv ireless C etting Cha IP Client	er lient	 IP Filter PPP Client DHCP Client AOSS Authentication System Boot Wired Link 			This cár problem logs are Display Select t	s a list of route n be useful to o s with your ne overwritten by logs he types of inf be logged by tl ault is All. The	diagnose twork. Older / new logs. formation that	ш
	Display	Select		ear All				items c	ault is All. The an be selected Idress Transla	1:	
L	ogs								Filter		
	Save to file	e logfile.le	og.			Delete			ewall (Includes asquerade paci		
D	ate Time		Туре	Log	Content				PP Client (Interr		
2	012/06/29	03:04:03	DHCPS	Requ	lest incoming from	John-PC(len:7)		-	namic DNS (International International In International International In		
2	2012/06/29 03:02:40 DHCPS Request incoming from Jo					John-PC(len:7)			ICP Client (inte ICP Server (LA		
2	2012/06/29 03:02:16 AUTH wl0: AUTH: Updating group key						Ŧ		SS SS	,	
•			I	1		۰.	_	• W	ireless Client (Start/stop and	-
				(C))2000-2012 BUFFA	LO INC. All rights reser	ved				

Parameter	Meaning
Display logs	Choose the logs.
Logs	Displays the logs.

Packet Info

View packet transfer information.

Setup	WAN/LAN	Wireless	Fire	wall G	ames / /	Apps	NAS	Admin	Diagnostic			
System In Ping	System Info Logs Packet Info Client Monitor Ping								Log Out anuals & Utilities			
		Sent	Sent Rece				Packet	Packet Traffic				
Interface		Normal	Errors	Normal	Errors							
Wired LAN	1	6222	0	5777	′ 0		The tota	The total numbers of packets sent				
Wired Inte	rnet	382	0	345	5 O		well as	and received by the AirStation, as well as the errors sending and receiving, are displayed.				
PPPoE No Easy Setu		325	0	275	5 0		receivin Refre					
Wireless L	AN (802.11n/a)	3770	0	(0 0				ormation is			
Wireless L	AN (802.11n/g/b)	1596	0	(0 0		Displayed packet informatio renewed with current inform when this button is clicked.					
Refresh							when		in the di			

Parameter	Meaning
Sent	Displays the number of packets sent to the WAN, the LAN, and the wireless LAN.
Received	Displays the number of packets received from the WAN, the LAN, and the wireless LAN.

Client Monitor

This screen shows devices that are connected to the AirStation.

Setup W	AN / LAN	Wirele	ss Firewall	Games / A	pps	NAS	Admin	Diagnost	ic
System Info Logs Packet Info Client Monitor Log Out Ping Manuals & Utilities									
						Client	Monitor		• E
MAC Address	Lease IP Address	Hostname	Communication Method	Wireless Authentication	802.11	DISDIa	Displays the LAN-side cli (such as PCs) that are ad		
E0:69:95:2E:1F:DE	3 -	-	Wired	-	-	the Ai	the AirStation.		
Refresh						The fo display	llowing informat yed:	ion is	
			(C)2000-2012 BUFF		reconved				Ŧ
			(C)2000-2012 BOFF	ALC INC. AIL IIGHIS	reserveu.				
Parameter			Meani	ing					
Client Monitor Displays information (MAC address, lease IP address, hostn									nan

Displays information (MAC address, lease IP address, hostname,
communication method, wireless authentication, and 802.11n) for
devices that are connected to the AirStation.

Ping

A ping test checks whether the AirStation can communicate with a specific network device.

Setup	WAN / LAN	Wireless	Firewall	Games / Apps	NAS	Admin	Diagnosti	с
System Int Ping	fo Logs Pack	et Info Clier			м	Log (anuals & Utilit		
				Ping				
Destination Execute Result	n Address			you car AirStati	test can be pe Station. With a determine wh on can commu network devic	ether the unicate with a	Ш	
Destination	192.168.11.2				Destina	ation Address	i	
Result	64 bytes from 19	bytes from 192.168.11.2: icmp_seq=0 ttl=128 time=0.4 ms bytes from 192.168.11.2: icmp_seq=1 ttl=128 time=0.3 ms bytes from 192.168.11.2: icmp_seq=2 ttl=128 time=0.5 ms bytes from 192.168.11.2: icmp_seq=2 ttl=128 time=0.5 ms						Ŧ
		(C)200	0-2012 BUFFAL	O INC. All rights reser	ved.			
Paramet	er		Meani	ng				

Destination Address	Enter the IP address or hostname of the device that you are testing
	communication with, then click [Execute]. The result will be
	displayed below.

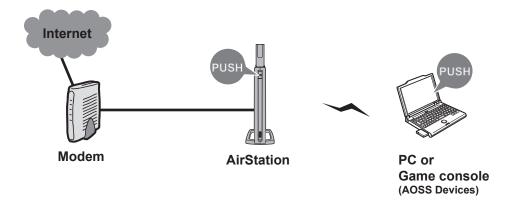
Chapter 5 - Connect to a Wireless Network

Automatic Secure Setup (AOSS/WPS)

AOSS and WPS are systems that let you automatically configure wireless LAN settings. Just pressing the buttons will connect wireless devices and complete security settings. Easily connect to wireless devices, computers, or game machines which support AOSS or WPS.



AOSS (AirStation One-Touch Secure System) was developed by Buffalo Technology. WPS was created by the Wi-Fi Alliance.



- Before using AOSS/WPS to connect to a Buffalo wireless client, install Client Manager software from the included utility CD. Consult your wireless client's documentation for more information.
- Buffalo's Client Manager software can be used with the wireless LAN devices built into most computers. However, it is not guaranteed to work with all wireless LAN devices available. Some wireless clients may require manual setup.

Windows 7/Vista (Client Manager V)

If you are using Windows 7 or Vista, use the included Client Manager V software to connect wirelessly with AOSS/WPS.

1 Click [Start] > [All Programs] > [BUFFALO] > [AirStation Utility] > [Client Manager V].

BUFFALO Client Manager Client Manager V Ver 1.4.4			
BUFFALO WLI-UC-G300N			
Connection (Disconnected) -			
Transmission Signal Create Profile Advance Setup			

Click [Create Profile].

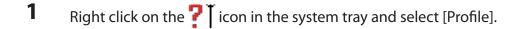
3 If the User Account Control screen opens, click [Yes] or [Continue].

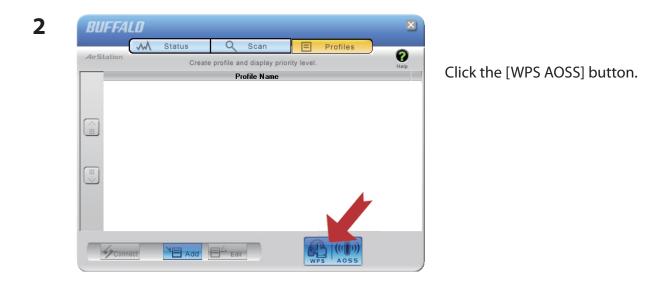
۲	Create profile				×	Click the [WPS AOSS] buttor
	erform setup of wireless reless Adapter	connection to the Air BUFFALO WLI-UC-G300N			•	
	lect the Setup Method utomatic Secure Setup Perform connection and s	security configuration auton	natically.) 5 ((())) A055		
s ti C	dvanced Setup Select a Network Name (SSID) hen connect manually. Dtherwise connect with WPS-F Option (Expert only)	IN method.	Client Manager V Ver.1.	••• 4.4 BUFFAI	0	

Follow any instructions displayed on the screen. When the 2.4 GHz and 5 GHz LEDs on the front of the AirStation stop flashing and is lit steadily, the connection is complete.

Windows XP (Client Manager 3)

If you are using Windows XP, use Client Manager 3 to connect wirelessly with AOSS/WPS.



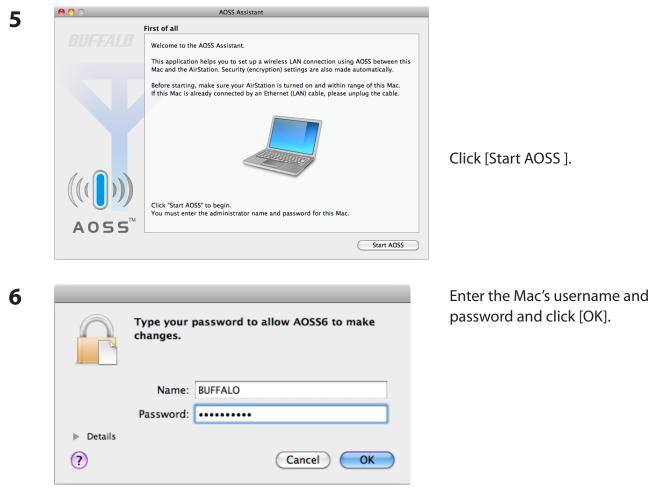


It will take several seconds for your wireless connection to be configured. When the 2.4 GHz and 5 GHz LEDs on the front of the AirStation stop flashing and glow steadily, the connection is complete.

Mac OS X (AOSS Assistant)

If you are using Mac OS X 10.7 / 10.6 / 10.5 / 10.4, use the included AOSS Assistant software to connect wirelessly with AOSS.

- 1 Load the utility CD in your Macintosh.
- 2 From the menu bar, click [Go] > [Computer].
- **3** Double-click the CD icon, and then double-click [AOSS Assistant] in the "Mac" folder.
- **4** The software license screen is displayed. Click [Agree] to proceed.



It will take several seconds for your wireless connection to be configured. When the 2.4 GHz and 5 GHz LEDs on the front of the AirStation stop flashing and glow steadily, the connection is complete.

Other Devices (e.g. Game Console)

If you are using a game machine which supports AOSS or WPS, refer to that device's manual to initiate AOSS/WPS. When instructed, hold down the AOSS button on the AirStation for 1 second.

When the 2.4 GHz and 5 GHz LEDs on the front of the AirStation stop flashing and glow steadily, the connection is complete.

Manual Setup

You can also connect to the AirStation without installing Client Manager V or Client Manager 3 by using the utility built-in to Windows. The procedure varies depending on which version of Windows you are using.

Windows 7 (WLAN AutoConfig)

With Windows 7, use WLAN AutoConfig to connect to the AirStation.

1 Click on the network icon in the system tray.



Select the target AirStation and click [Connect]. If you will be connecting to this device in the future, checking [Connect automatically] is recommended.

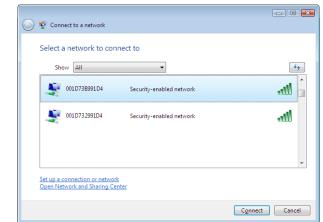
Connect to a Network	Enter the encryption key and click [OK].
Type the network security key	
Security key:	
Hide characters	
You can also connect by pushing the button on the router.	
OK Cancel	1

Windows Vista (WLAN AutoConfig)

With Vista, use WLAN AutoConfig to connect to the AirStation.

- 1 Right click on the wireless network 🔂 icon in the system tray.
- 2 Click [Connect to a network].

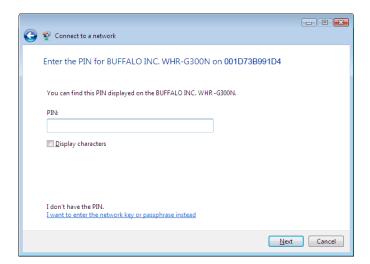
3



When this screen is displayed, select your network and click [Connect].

If the screen below is displayed, click [I want to enter the network key or passphrase instead]. Otherwise,go to step4.

Press the configuration button on your access point
Press the configuration button on the access point before continuing.
I can't find the configuration button. I want to enter the network key or passphrase instead



4	S 😨 Connect to a network	Enter the encryption key and click [Connect].
	Type the network security key or passphrase for 001D738991D4 The person who setup the network can give you the key or passphrase.	
	Security key or passphrase:	
	Display characters	
	If you have a <u>USB flash drive</u> with network settings for 001D73B991D4, insert it now.	
	Connect Cancel	

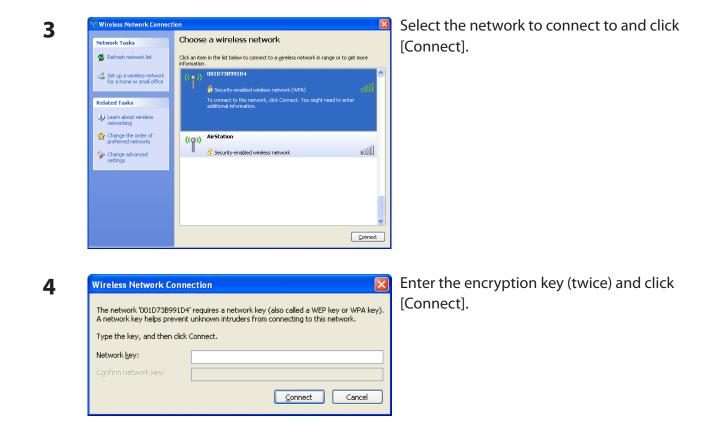
Step through the wizard to finish configuration.

If the Set Network Location screen is displayed, select [Home], [Work], or [Public location] depending on where you're using the AirStation.

Windows XP (Wireless Zero Configuration)

Windows XP includes Wireless Zero Config, a built-in utility to connect to your AirStation.

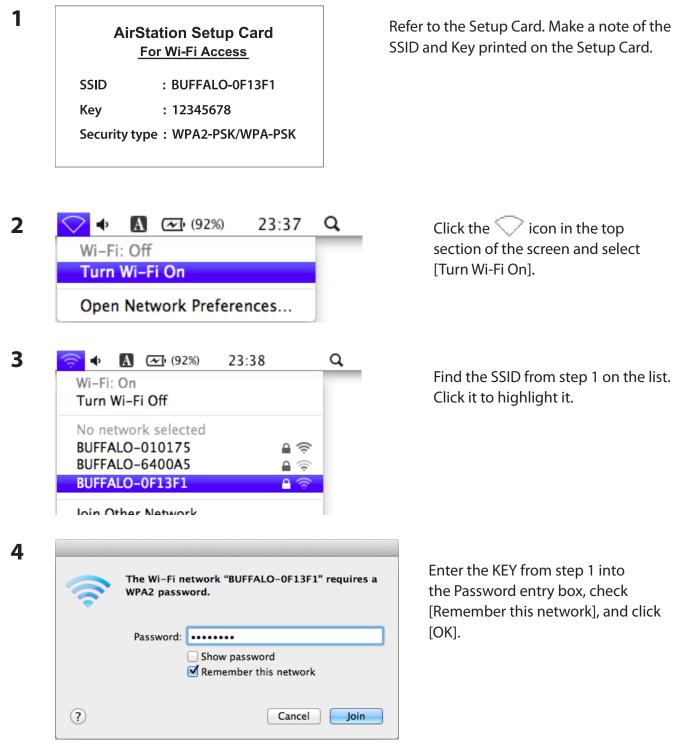
- Note: If Client Manager 3 is installed on your computer, Wireless Zero Config is disabled. Uninstall Client Manager 3 to use Wireless Zero Config, or just use Client Manager 3 to connect to the AirStation.
- 1 Right click on the 式 wireless network icon in the system tray.
- 2 Click [View Available Wireless Networks].



It will take several seconds for configuration to complete.

Mac OS X (Wi-Fi)

Use Wi-Fi on a Mac to connect to the AirStation. Note: In Mac OS X 10.6 and earlier, "Wi-Fi" appears as "AirPort".



It will take several seconds for configuration to complete.

Chapter 6 - Troubleshooting

Cannot connect to the Internet over wired connection.

- Make sure that your AirStation is plugged in!
- Check that the status LEDs of your AirStation are lit as below:

Power	Green LED is ON
Router	Green LED is ON or OFF (depending on your environment)
Diag	OFF
LAN	Green LED is ON or flashing
Internet	Green LED is ON or flashing

- Make sure that your computer is set to [obtain an IP address automatically]. (Appendix C)
- Restart your AirStation.

Cannot access the web-based configuration Interface.

- See chapter 4 for instructions to open the AirStation's configuration interface.
- Enter the correct username and password to log in to the configuration interface. If you are using AirStation with factory default settings, enter "admin" for the username and "password" for the password.
- Verify that your web browser is not set to use proxies.
- Make sure that your computer is configured to [Obtain an IP Address Automatically.] (Appendix C)
- Restart your AirStation.

Cannot connect to the network wirelessly.

• Configure your wireless client with the same SSID, encryption type, and encryption key as set on the AirStation.

The factory defaults are:

SSID -BUFFALO-XXXXXX (the last 6 digits of the AirStation's MAC address) +
"_A" or "_G"Encryption Type -WPA/WPA2 mixed mode - PSK (Connect with either WPA-PSK TKIP or
WPA2-PSK AES).Encryption Key -Printed on the Setup Card.

Note: For details, refer to the Setup Card.

- Place your AirStation and wireless devices 2 10 feet apart.
- Restart your AirStation.

You forgot the AirStation's SSID, Encryption Key, or Password.

Hold down the reset button on the base of your AirStation for 3 seconds to initialize its settings. All settings, including your password, SSID, and encryption key will be initialized to their defaults.

The link speed is slower than 300 Mbps (Maximum link speed is only 130 Mbps).

By default, the AirStation's 300 Mbps mode is not enabled. You may enable it with the following procedure:

- 1. Open the configuration interface (chapter 4).
- 2. In Easy Setup, click [Wireless SSID & Channel (11n 300 Mbps Mode)].
- 3. Change the value in [300 Mbps Mode] [Bandwidth] to 40 MHz and click [Apply].

If you still cannot connect at 300 Mbps, check the settings of your wireless client devices.

Other Tips

Issue:

I reset my wireless router to factory settings and forgot how to log in to the configuration interface.

Answer:

Open your browser, enter 192.168.11.1 as the browser address, and hit Enter. You will be prompted to log in. Enter "admin" for the username and "password" for the password. Click [OK] to log in. The option to reset your password will be available on the first page.

Issue:

How do I forward ports on my wireless router for my gaming console?

Answer:

Log in to the router's configuration interface. From the home page, go to the Internet Games/Apps section. Enter the port that needs to be forwarded and the IP address of the gaming console.

Issue:

How do I enable or modify security encryption settings on the wireless router?

Answer:

Log in to the configuration interface with your browser. Go to [Wireless] - [Basic]. Buffalo recommends WPA for wireless encryption. The passphrase/key should be at least 8 characters in length.

Issue:

How do I change my wireless router's broadcasted network name (SSID)?

Answer:

Log in to the wireless router with your browser. Navigate to [Wireless] - [Basic]. Find the SSID setting. Select [Use] and enter the new name for your network. Click [Apply]. Once the wireless router has rebooted, you will need reconnect any wireless clients to the AirStation using the new network name. The encryption key will still be the same.

Issue:

What can I do if my wireless connection drops randomly or seems slow?

Answer:

There are many environmental factors that may cause this. First, ensure the issue is not range related by moving the wireless router and the client device closer together. If the connection drops continue, then range is probably not the issue.

Other 2.4 GHz devices such as microwaves, other wireless networks, and 2.4 GHz wireless phones may impact performance. Try a different wireless channel for your wireless router. Log in to the wireless router with your browser. Click on [Wireless] - [Basic]. Wireless channels from 1 - 11 may be selected. Try the Auto-Channel option if available. Otherwise, manually select an alternate channel and click [Apply].

Issue:

Though I am able to successfully make a connection with my wireless router, I am unable to access the Internet with my web browser.

Answer:

First, power off the Cable or DSL modem, the wireless router, and your computer. Move the router's mode switch to the *on* position. Verify that the modem is connected to the wireless router with an Ethernet cable to the WAN port. Power on the modem and wait one minute. Power on the wireless router and wait another minute. Power on the computer. Open a browser on the computer and navigate to a familiar website to verify whether the Internet connection is functioning normally. If after these steps, an Internet connection is still unavailable, power off the Cable or DSL modem and computer again and directly connect your computer to the Cable or DSL modem with a cable between the computer and the port on the modem. Power on the modem and wait one minute. Power on the computer and the port on the modem.

If an Internet connection IS NOT available with a direct connection to the computer, please call the Internet Service Provider who installed the modem.

If an Internet connection IS available with a direct connection to the computer, please call our customer support.

Issue:

Where can I download the latest drivers, firmware, and instructions for my Buffalo wireless products?

Answer:

The latest drivers and firmware are available online at *www.buffalotech.com*

Chapter 7 - Default Configuration Settings

Feature	Parameter	Default Setting
Internet	Method of Acquiring IP Address	Perform Easy Setup (Internet Connection Wizard)
(Router Mode only)	Default Gateway	None
	DNS Name Server Address	None
	Internet MAC Address	Use default MAC address
	MTU Size of Internet Port	1500 Bytes
PPPoE	Default PPPoE Connection	No Active Session
(Router Mode only)	IP Unnumbered PPPoE Connection	No Active Session
	PPPoE Connection List	None
	Preferred Connections	None
DDNS (Router Mode only)	Dynamic DNS Service	Disabled
	Current Dynamic DNS Settings	None
VPN Server	LAN Side IP Address	192.168.11.1(255.255.255.0)
(Router Mode only)	DHCP Server	Enabled
	DHCP IP Address Pool	192.168.11.2 for up to 64 Address(es)
	PPTP Server	Disabled
	Authorization Type	MS-CHAPv2 (40/128-bit Encryption)
	Server IP Address	Auto
	Client IP Address	Auto
	DNS Server IP Address	LAN IP address of the AirStation
	WINS Server IP Address	None
	MTU/MRU value	1396
	PPTP User List	None

Feature	Parameter	Default Setting
LAN	LAN Side IP Address	Router Mode (Router Switch AUTO/ON): 192.168.11.1 (255.255.255.0)
		Bridge Mode (Router Switch OFF): 192.168.11.100 (255.255.255.0)
		Bridge Mode (Router Switch AUTO): Obtain automatically from DHCP Server
	DHCP Server (Router Mode only)	Enabled
	DHCP IP Address Pool (Router Mode only)	192.168.11.2 for up to 64 Addresses
	LAN Side IP Address (For IP Unnumbered) (Router Mode only)	None
	Lease Period (Router Mode only)	48 Hours
	Default Gateway (Router Mode only)	AirStation's IP Address
	DNS Servers (Router Mode only)	AirStation's IP Address
	WINS Server (Router Mode only)	Do Not Specify
	Domain Name (Router Mode only)	Assigned Domain Name
	Default Gateway (Bridge Mode only)	None
	DNS Server Address (Bridge Mode only)	None
DHCP (Router Mode only)	Current DHCP Clients	None
NAT	Address Translation	Enabled
(Router Mode only)	Log Output of Deleted Packets	Disabled
Routing	Routing	None

Feature	Parameter	Default Setting
WPS	WPS	Enabled
	External Registrar	Enabled
	AirStation PIN	An 8-digit random value (Printed on the label of the AirStation)
	WPS Security Settings	WPS status: configured SSID: BUFFALO-XXXXXX (the last 6 digits of the AirStation's MAC address) + "_A" or "_G" Security: WPA/WPA2 mixedmode - PSK TKIP/AES mixedmode Encryption key: An 8-digit random value
		(Printed on the Setup Card)
Basic	Wireless Radio	Enabled
	Wireless Channel	Auto Channel
	300 Mbps Mode	Band Width: 40 MHz (11n/a) 20 MHz (11n/g/b) Extension Channel: -
	Broadcast SSID	Allow
		Not used
	Separate Feature SSID	BUFFALO-XXXXXX_A (11n/a) BUFFALO-XXXXXX_G (11n/g/b)
	Wireless Authentication	WPA/WPA2 mixedmode - PSK
	Wireless Encryption	TKIP/AES mixedmode
	WPA-PSK (Pre-Shared Key)	An 8-digit random value (Printed on the Setup Card)
	Rekey Interval	60 minutes
Advanced	Multicast Rate	Auto
	DTIM Period	1
	Privacy Separator	Disabled

Feature	Parameter	Default Setting			
WMM	WMM-EDCA Parameters		For AP	For STA	
	(Priority AC_BK (Low))	CWmin	15	15	
		CWmax	1023	1023	
		AIFSN	7	7	
		TXOP Limit	0	0	
		Admission Control		Disabled	
	WMM-EDCA Parameters		For AP	For STA	
	(Priority AC_BE (Normal))	CWmin	15	15	
		CWmax	63	1023	
		AIFSN	3	3	
		TXOP Limit	0	0	
		Admission Control		Disabled	
	WMM-EDCA Parameters		For AP	For STA	
	(Priority AC_VI (High))	CWmin	7	7	
		CWmax	15	15	
		AIFSN	1	2	
		TXOP Limit	94	94	
		Admission Control		Disabled	
	WMM-EDCA Parameters (Priority AC_VO (Highest))		For AP	For STA	
		CWmin	3	3	
		CWmax	7	7	
		AIFSN	1	2	
		TXOP Limit	47	47	
		Admission Control		Disabled	
MAC Filter	Enforce MAC Filtering	Disabled	Disabled		
	Registration List	None			
AOSS	Exclusive SSID for WEP	None			
	Encryption level expansion	Enabled			
	Dedicated WEP SSID isolation	Disabled			
	Allow WEP for Game Console Only	Disabled			
	AOSS Button on the AirStation Unit	Enabled			
Multicast	Snooping	Enabled			
Control	Multicast Aging Time	300 Sec.			

Feature	Parameter	Default Setting		
Firewall	Log Output	Disabled		
(Router Mode only)	Basic Rules	Reject ident requests	Disabled Enabled Enabled	
IP Filter	Log Output	Disabled		
(Router Mode only)	IP Filter	None		
VPN Passthrough	IPv6 Passthrough	Disabled		
(Router Mode only)	PPPoE Passthrough	Disabled		
	PPTP Passthrough	Enabled		
Port Forwarding (Router Mode only)	Forwarded Ports	None		
DMZ (Router Mode only)	IP Address of DMZ	None		
UPnP (Router Mode only)	UPnP	Enabled		
QoS (Router Mode only)	QoS for transmission to the Internet	Disabled		
Movie Engine	Movie Engine Status	off		
	IPv6 Passthrough	Used		
	Multicast Rate	11 Mbps		
	Multicast Control	SnoopingUseAging Time300 SecondsChange PriorityVI (priority)		
	TCP Rwin Size Limit	Size Limit No limit Maximum Rwin Size 65535 bytes		
	Wireless Priority Control Rules	None		
Disk	Automatic USB Disk Assignment	Enabled		
Management	FAT Format Filename Character Code	North America (CP437)		
	Sleep Mode	Not used Sleep Mode Interval 10 Minutes		
Shared Folder	Access Restrictions	Read and Write		
	WebAccess	Access Restrictions		
Users	Current Users	guest		

Feature	Parameter	Default Setting	
Sharing	Shared Folder	Enabled	
	AirStation Name	AP + AirStation's MAC Address	
	AirStation Description	None	
	Workgroup Name	WORKGROUP	
	Windows Client Language	North America (CP437)	
	Shared Service	None	
WebAccess	WebAccess	Disabled	
	WebAccess Display Language	English	
	HTTPS/SSL Encryption	Disabled	
	WebAccess External Port	Auto (Port Number:9000)	
	DNS Service Hostname	Use BuffaloNAS.com registration	
	WebAccess Status	None	
Media Server	Media Server	Disabled	
	Status	None	
BitTorrent	BitTorrent	Disabled	
	External Port Number	Auto (Port Number: 9002)	
	Bandwidth Restriction	Enabled Maximum Download Speed 1000 KB/s Maximum Upload Speed 200 KB/s	
	BitTorrent Status	None	
Name	AirStation Name	AP + AirStation's MAC Address	
	Network Services	Enabled	
Password	Administrator	admin (fixed)	
	Administrator Password	password	
Time/Date	Local Date	2012 Year 1 Month 1 Day	
	Local Time	0 Hour 0 Minute 0 Seconds	
	Time Zone	(GMT-6:00) Central Standard Time - CST	
	DST (Daylight Saving Time)	USA (from second Sunday to in Mar to first Sunday in Nov)	
NTP	NTP Functionality	Enabled	
	NTP Server	time.nist.gov	
	Update Interval	24 hours	

Feature	Parameter	Default Setting		
ECO	Scheduling	Disabled	Disabled	
	Schedule Entry	Operational Mode: Start time: End time: The day of week:	: Normal 0:00 0:30 None	
	User Defined Mode	LED: Wired LAN: Wireless LAN:	Off ECO (Slow operation) Off	
Access	Log Output	Disable	Disable	
	Management Access	Prohibit configuration	Prohibit configuration from wireless LANDisabledProhibit configuration from wired LANDisabledPermit configuration from wired InternetDisabled	
Log	Transfer Logs	Disabled	Disabled	
	Syslog Server	None	None	
	Logs	Client, Dynamic DN AOSS, Wireless Clien Changes, System Bo Bridge Mode: IP Filter, DHCP Clien Authentication, Set	Address Translation, IP Filter, Firewall, PPPoE Client, Dynamic DNS, DHCP Client, DHCP Server, AOSS, Wireless Client, Authentication, Setting Changes, System Boot, NTP Client, and Wired Link	