SP5000 Series Open Box Wireless LAN Setting Manual

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Table of Contents

Safety Information	5
About the Book	6
Overview	7
Introduction	7
Workflow	9
Network Authentication and Data Encryption	10
Wireless LAN Settings	11
IP Address	11
IP Address for Equipment	11
Starting WLAN Configuration Screen	12
Startup Method	12
Setting Menu	14
Introduction	14
Select Language	15
System Status	15
Login	16
TCP/IP Configuration	17
Wireless LAN Configuration	18
Smart Wireless Setup	19
AP Search	21
WLAN Up/Down (enable or disable wireless LAN)	22
Password Configuration	22
Restart	23
Factory Default	24
Firmware Update	24
Logout	25

Safety Information

Important Information

Read these instructions carefully, and look at the equipment to become familiar with the device before trying to install, operate, service, or maintain it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol to a "Danger" or "Warning" safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.



WARNING indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

CAUTION indicates a hazardous situation which, if not avoided, **could result** in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to physical injury.

Please Note

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction and operation of electrical equipment and its installation, and has received safety training to recognize and avoid the hazards involved.

About the Book

Document Scope

This manual describes how to configure the wireless LAN when using the SP5000 Series Open Box (hereafter referred to as "Open Box") in combination with the wireless-LAN-equipped SP5000 Series Display Module (hereafter referred to as "wireless LAN model").

Validity Note

This documentation is valid for Open Box and the wireless LAN model.

The technical characteristics of the device(s) described in this manual also appear online.

http://www.pro-face.com

The characteristics that are described in the present document should be the same as those characteristics that appear online. In line with our policy of constant improvement, we may revise content over time to improve clarity and accuracy. If you see a difference between the document and online information, use the online information as your reference.

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Product names used in this manual may be the registered trademarks owned by the respective proprietors.

Related Documents

You can download the manuals related to Open Box and the wireless LAN model, such as hardware and software manuals, from our website.

http://www.pro-face.com/trans/en/manual/1085.html

Overview

Introduction

Introduction

When using Open Box and the wireless LAN model, start up the WLAN Configuration screen from your Internet browser to define various settings for the wireless LAN connection.

You can use the wireless LAN model with either Access Point or Client mode.

Also, the **Smart Wireless Setup** is available where you can easily define wireless LAN settings.

Wireless LAN Interface Specifications

Standards	IEEE802.11b/IEEE802.11g/IEEE802.11n
Frequency bandwidth	2.4 GHz
Channel bandwidth	20 MHz
Channel	Access Point mode*1: 111 ch
	Client mode*2:
	North America US: 111 ch
	• Japan JP: 113 ch
	Europe EU: 113 ch
	Korea KR: 113 ch
	China CN: 113 ch
	Taiwan TW: 111 ch
Transmission speed	IEEE802.11b: max 11 Mbps
	IEEE802.11g: max 54 Mbps
	IEEE802.11n: max 72.2 Mbps
Transmission Distance*3	Distance varies depending on application software and surrounding environment
Action mode	Client mode/Access Point mode
Communication mode	Infrastructure
Network authentication	Open, WPA-Personal, WPA2-Personal
Data encryption	WEP (128 bit) (Open)*4
	AUTO/TKIP (WPA-Personal)
	AES (WPA2-Personal)
Maximum client connections	10*5

*1 In Access Point mode, IEEE802.11d is not supported.

*2 If the surrounding access points do not support IEEE802.11d, channels are limited from 1 to 11 ch.

*3 You can connect only from the front of the display. The connection angle and distance depend on your operating environment, applications in use, and target communication devices. Conduct an operation test, including directivity, in the operating environment before use.

*4 In Access Point mode, WEP is not supported.

*5 Request for the eleventh connection will be denied. The maximum number of connections you can have with reasonable communication performance depends

on the operating environment, applications in use, and target communication devices. Conduct an operation test, including the number of connections, in the operating environment before use.

NOTE: Stealth feature is not supported.

UNINTENDED EQUIPMENT OPERATION

- Do not use wireless communication to control machinery.
- Wireless communication system design must take into account the possibility of communication interference.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

Workflow



*1 If the IP address is unknown, you can use the WLAN Finder to search for the IP address. You can conduct a search when the Open Box wireless LAN network adapter and the wireless LAN model are on the same network. You can download the WLAN Finder from our website at http://www.pro-face.com/trans/en/manual/ 1001.html.

*2 Refer to Starting WLAN Configuration Screen, page 12.

*3 If the WLAN Configuration screen does not display, even though there may not be any other issues, you should consider using the WLAN Tools to reset the

wireless LAN settings to the factory default. You can download WLAN Tools from our website at http://www.pro-face.com/trans/en/manual/1001.html.

*4 For information on each wireless LAN setting screen, refer to Wireless LAN Settings, page 11.

*5 If you lose your password, you need to reset the wireless LAN settings to the factory default settings by using the WLAN Tools.

*6 When using this setting to connect over the wireless LAN with equipment from other manufacturers, use only WPS (Wi-Fi Protected Setup) supported equipment. Please note that this does not mean that all WPS-enabled products can be connected.

Network Authentication and Data Encryption

Selection of either manual setup or **Smart Wireless Setup** restricts the combination of network authentication and data encryption methods available.

Access Point Mode

Network authentication	Data encryption	Manual setup	Smart Wireless Setup
OPEN	None	\checkmark	\checkmark
	WEP	-	-
WPA-Personal	AUTO	\checkmark	_
	ТКІР	\checkmark	_
	AES	-	-
WPA2-Personal	AUTO	-	-
	ТКІР	-	-
	AES	\checkmark	\checkmark

Client Mode

Network authentication	Data encryption	Manual setup	Smart Wireless Setup
OPEN	None	\checkmark	\checkmark
	WEP	\checkmark	-
WPA-Personal	AUTO	\checkmark	\checkmark
	ТКІР	\checkmark	√ *1
	AES	_	√ *1
WPA2-Personal	AUTO	_	✓ *2
	ТКІР	_	√ *2
	AES	\checkmark	\checkmark

*1 Wireless LAN Setting screen shows WPA-Personal/AUTO.

*2 Wireless LAN Setting screen shows WPA2-Personal/AES.

Wireless LAN Settings

IP Address

IP Address for Equipment

Overview

Before setting up a wireless LAN connection for the Open Box and wireless LAN model, understand the IP address states for the equipment below.

Access Point Mode

Open Box (number 1 in the figure below), wireless LAN module (2), and other wireless LAN clients (4) have distinct IP addresses. When using the wireless LAN model with Access Point mode, the wireless LAN module (2) and the WLAN Configuration screen (3) have the same IP address.

To set up the IP address of the Open Box (1), use the Windows[®] **Control Panel** on the Open Box.

To set up the same IP address for both the wireless LAN module (2) and WLAN Configuration screen (3), refer to TCP/IP Configuration, page 17.

To set up IP addresses of other wireless LAN clients (4), use their corresponding configuration tools.

By defining the information of the wireless LAN module (2: Access Point) in the configuration tool of wireless LAN clients (4), you can set up a wireless LAN connection between the Open Box (1) and other wireless LAN clients (4).

NOTE: The network address of the Open Box (1), wireless LAN module (2), and other wireless LAN clients (4) must be the same.



1 Open Box

2 Wireless LAN module (built into the wireless LAN model)

- 3 WLAN Configuration screen
- 4 Other wireless LAN clients

Client Mode

Open Box (number 1 in the figure below), WLAN Configuration screen (3), an external access point (4) and other wireless LAN clients (5) have distinct IP addresses. When using the wireless LAN model in Client mode, the Open Box (1) and wireless LAN module (2) have the same IP address.

To set up the same IP address for both the Open Box (1) and wireless LAN module (2), use the Windows[®] **Control Panel** on the Open Box.

To set up the IP address of the WLAN Configuration screen (3), refer to TCP/IP Configuration, page 17.

To set up IP addresses of an external access point (4) and other wireless LAN clients (5), use their corresponding configuration tools.

By defining the information of an external access point (4: Access Point) in Wireless LAN Configuration, page 18 in the WLAN Configuration screen (3) and other wireless LAN clients (5), you can set up a wireless LAN connection between the Open Box (1) and other wireless LAN clients (5).

NOTE: The network address of the Open Box (1), WLAN Configuration screen (3), an external access point (4), and other wireless LAN clients (5) must be the same.



- 1 Open Box
- 2 Wireless LAN module (built into the wireless LAN model)
- 3 WLAN Configuration screen
- 4 External access point
- 5 Other wireless LAN clients

Starting WLAN Configuration Screen

Startup Method

- 1. Connect the Open Box and the wireless LAN model.
- 2. Disconnect all LAN cables.
- 3. Turn ON the wireless LAN model to display the Windows® desktop.
- 4. Windows[®] 10 IoT Enterprise model:

Click Start > Settings > Network and Internet > Status > Change adapter options.

Windows® Embedded 7 Standard model:

Click Start > Control Panel > Network and Internet > Network and Sharing Center > Change adapter settings.

5. For SP-5B40

On the Open Box, check that the status of the **Local Area Connection** property of "**LAN9500A USB 2.0 to Ethernet 10/100 Adapter**" (the wireless LAN network adapter) is connected.

For SP-5B41

Check all the displayed Local Area Connection properties. Click Properties > Networking > Configure, and the connection showing "PCI bus 4. device 0. function 0" in the General tab's Location field is the Open Box Wireless LAN network adapter. Check that its Local Area Connection status is connected.

🚱 💮 🗢 🖳 « Network and Internet → Network Connections → 🔹 🍫 💈	Search Network Connections
Organize 🔻 Disable this network device Diagnose this connection Rename this connect	tion » 📲 🔻 🗍 🔞
ETHERNET1 ETHERNET2 Network cable unplugged Network cable unplugged Intel(R) I210 Gigabit Network Con Intel(R) I210 Gigabit Network Con	RESERVED1 Unidentified network Intel(R) I210 Ginabit Network Con Sisable Status
RESERVED1 Properties	Diagnose
Networking	🚱 Bridge Connections
Connect usina:	Create Shortcut
Intel(R) I210 Gigabit Network Connection	Delete Rename
This connection uses the following items:	Properties
Client for Microsoft Networks	
Intel(R) I210 Gigabit Network Connection Properties	
General Advanced Driver Details Power Management	
Intel(R) I210 Gigabit Network Connection	
Device type: Network adapters	
Manufacturer: Intel Location: PCI bus 4, device 0, function 0	

6. Start up an Internet browser.

 In the address bar, type http://<WLAN Configuration screen IP address> (default IP address is 169.254.111.111) to display the WLAN Configuration screen.



NOTE: If the WLAN Configuration screen IP address has already been edited using **TCP/IP Configuration**, page 17, enter the edited IP address. To display the WLAN Configuration screen with the new IP address, the WLAN Configuration screen and Local Area Connection network addresses must be the same.

Example: Emphasized part is the same

	WLAN Configuration screen	Local Area Connection
IP Address	192.168 .1.1	192.168 .1.2
Subnet Mask	255.255.0.0	255.255.0.0

Additionally, if the edited IP address is unknown, you can use the WLAN Finder to search for a WLAN Configuration screen IP address. You can download the WLAN Finder from our website at http://www.pro-face.com/trans/en/manual/1001.html.

Setting Menu

Introduction

The setting menu displays on the left side of the WLAN Configuration screen. Select the menu to define the required settings.

NOTE: To enable any changes to the settings, you need to restart the Wireless LAN. After you complete changes in the WLAN Configuration screens, from the menu area click **Restart**.

NOTICE

EQUIPMENT DAMAGE

Do not turn off this product:

- While updating settings.
- While this product is restarting after the firmware settings have been updated.
- While resetting this product to the factory default settings.

Failure to follow these instructions can result in equipment damage.

Select Language

Defines the display language. You can select either English or Japanese. The default display language is English.

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WLAN Configuration	System Status		
English -	System Status		
▼ Status - System			🕽 Refresh
▼ Network Cont. - TCP/IP	TCP/IP Information		
- Wireless LAN	Name	Status	
▼ Security	IP Address	169.254.111.111	
- r assword	Subnet Mask	255.255.0.0	
Maintenance – Restart	Default Gateway	0.0.0.0	
- Factory Default - Firmware Update	Wireless LAN Information of	5000	
	Name	Status	
	Current SSID	WLAN1101 XX-XX-XX-XX	
	MAC Address	11 XX-XX-XX-XX-XX	

System Status

Displays the wireless LAN status.

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WLAN Configuration	System Status		640
English 🔻	System Status		
▼ Statue			
- System			Refresh
▼ Network Conf.			
- TOP/IP	► TCP/IP Information		
- WITEIESS LAIN	Name	Status	
▼ Security	IP Address	169.254.111.111	
- Hassworu	Subnet Mask	255.255.0.0	
 Maintenance Restart 	Default Gateway	0.0.0	
- Factory Default	Wireless LAN Information	-000	
- Firmware Update	blasse	o0UUU	
	G grant SSD		
	Current Channel	11	
	MAC Address	XX-XX-XX-XX	
	L		
[] ∎]			

TCP/IP Information

Item	Description
IP Address	Displays the allocated IP address.
Subnet Mask	Displays the subnet mask in use.
Default Gateway	Displays the default gateway in use.

Wireless LAN Information

Item	Descripti	on				
Radio signal strength	Displays the strength of the wireless radio signal, from 0% to 100%.			from 0% to		
	.oOO	0 000	000	 00	 0	.oOO
	0%	20%	40%	60%	80%	100%
Current SSID	Displays t the netwo	he SSID a rk, nothin	and BSSIE g is displa	D in use. W yed.	/hen not co	onnected to
Current Channel	Displays t	he chann	el in use.			
MAC Address	Displays of	only in Ac	cess Point	mode.		

Login

If a password is set up, you need to login to display the WLAN Configuration screen. From the menu select **Login**, then enter the password in the **Login** screen.

NOTE:

- For information on password settings, see Password Configuration, page 22.
- Remember your password. If you lose your password, you need to reset the wireless LAN settings to the factory default settings by using the WLAN Tools. You can download the WLAN Tools from our website at http://www.pro-face.com/trans/en/manual/1001.html.

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WLAN Configuration Select Language English	Login			
- System ▼ Login - Login	Authentication is required Please input the password	Password :	Login	

TCP/IP Configuration

Defines the TCP/IP settings. After making your changes, touch the **Submit** button. **NOTE:** After making any changes, restart the wireless LAN by selecting **Restart**, page 23.

WLAN Configuration	TCP/IP Configuration			5
nglish 👻	TCP/IP Configuration			
Status	 TCP/IP Configuration 			
Network Conf.	Name	Current Value	Value	
Wireless LAN	IP Address	169.254.111.111	169.254.111.111	
Security	Subnet Mask	255.255.0.0	255.255.0.0	
Password	Default Gateway	0.0.0.0	0.0.0.0	
Maintenance	DNS Server (Primary)	0.0.0.0	0.0.0.0	
Firmware Lindate	DNS Server (Secondary)	0.0.0.0	0.0.0.0	
Logout	DHCP Server Configuration			- 1
	Name	Value		
	DHCP Server			
	Start IP Address	192 168 1 15		
	End IP Address	100.160.1.00		
	Subnet Mask	192.100.1.00		
	Default Gateway	200.200.200.0		
	DNS Server Address	169.254.111.111		
	Lassa Tiwa	169.254.111.111	IV Use the same address as "IP address".	
	Lease Time	10 Days 0 Hours 0	Minutes	

TCP/IP Configuration

Item	Description
IP Address	Defines the IP address.
Subnet Mask	Defines the subnet mask. Enter 0.0.0.0 to automatically use the subnet mask associated with the IP address.
Default Gateway	Defines the default gateway. Enter 0.0.0.0 (default) to disable the gateway.
DNS Server (Primary)	Defines the DNS primary server.
DNS Server (Secondary)	Defines the DNS secondary server.

DHCP Server Configuration

Item	Description
DHCP Server	Enables or disables the DHCP server.
Start IP Address	Defines the start of IP addresses to allocate.
End IP Address	Defines the end of IP addresses to allocate.
Subnet Mask	Sets up the subnet mask for allocated IP addresses. Enter 0.0.0.0 (default) to automatically use the subnet mask associated with the allocated start IP addresses.
Default Gateway	Defines the default gateway. Enter 0.0.0.0 (default) to disable the gateway.
Use the same address as "IP address" (Automatically sets the default gateway)	Select the check box to define the default gateway with the same address as the IP Address property.
DNS Server Address	Defines the DNS server address. Enter 0.0.0.0 (default) to disable the DNS server.

Item	Description
Use the same address as "IP address"	Select the check box to define the DNS server with the same address as the IP Address property.
(Automatically sets the DNS server)	
Lease Time	Defines the lease period. The factory default setting is 10 days, 0 hours and 0 minutes. If you enter 0 days, 0 hours, and 0 minutes, it is recognized as the default 10 days.

Wireless LAN Configuration

Defines settings required for a wireless LAN connection. After making your changes, touch the **Submit** button.

NOTE: After making any changes, restart the wireless LAN by selecting **Restart**, page 23.

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WLAN Configuration Select Language English	Wireless LAN Configuration	ation Vireless Setup AP Search Wilan Up/Down	
Status System Network Conf. TCP/IP Wireless LAN Security Becurity	 Wireless LAN Basic Configurat Name 	tion Value	
 Fassword ✓ Maintenance Restart Factory Default Firmware Update 	Operating Mode SSID Channel Network Authentication	AccessPoint WLAN1101 11 Open	
	L		Submit
	Select one		

Wireless LAN Basic Configuration

Item	Description
Operating Mode	Defines the connection method to the wireless LAN. You can select either [Access Point] for Access Point mode, or [Infra.] for Network Authentication and Data Encryption, page 10.
SSID	Defines the SSID for the wireless LAN.
Channel	Defines the channel used by the wireless LAN. Set up the same communication channel for equipment to communicate with one another. Available only in Access Point mode.
Network Authentication	Defines the authentication method when connecting to a wireless LAN access point.

WEP Configuration

The following is available when **Operation Mode** is [Infra.], and **Network Authentication** is [Open].

Item	Description
WEP	Turns WEP encryption ON or OFF.

The following are available when **WEP** is ON.

Item	Description
Key Index	Defines the key index for WEP encryption.
WEP Key 1	Defines the encryption key for WEP encryption.
WEP Key 2	
WEP Key 3	
WEP Key 4	

WPA/WPA2

The following are available when **Network Authentication** is either [WPA-Personal] or [WPA2-Personal].

Item	Description
Encryption Mode	Select [AUTO], [TKIP], or [AES].
	NOTE: When [WPA-Personal] is selected, the default value is [TKIP]. When [WPA2-Personal] is selected, the default value is [AES].
Pre-Shared Key	Defines the key when using TKIP or AES.

Smart Wireless Setup

A simpler method to set up the wireless LAN. When running **Smart Wireless Setup**, touch the **Submit** button.

NOTE:

- When using this setting to connect over the wireless LAN with equipment from other manufacturers, use only WPS (Wi-Fi Protected Setup) supported equipment.
- After making any changes, restart the wireless LAN by selecting Restart, page 23.

Access Point Mode

Vintuork Conf. TOP/IP Vintus LAN Smart Wireless Setup Name Value Smart Wireless Setup Name Value Smart Wireless Setup Information Configured Release Pastart Pastart Factory Default	
Maintenance PN Code Solution Solution	
Submit Smart Wireless Setup Execute	it
Name	
Push Button Execute	
PIN Code Execute	
Wireless LAN Information	
Name Value	
SSID WLAN1101 XX-XX-XX-XX	
Channel 11	
Pre-Shared Kay	

Smart Wireless Setup

Item	Description
Smart Wireless Setup Information	Displays the status of the smart wireless setup. Touch the Release button to reset to un-configured.
PIN Code	Displays the PIN code of the wireless LAN model. You can generate a new PIN code with the Generate PIN button.

Smart Wireless Setup Execute

Item	Description
Push Button	Touch the Execute button to set up the wireless LAN using the Push Button method.
PIN Code	Enter the client PIN code and touch the Execute button to set up the wireless LAN using the PIN Code method.

NOTE:

- The timeout time for this setting is about 120 seconds.
- When using the **Push Button** method to set up the wireless LAN and the push button method is run simultaneously on two or more other equipment, an error will occur.

Wireless LAN Information

Item	Description
SSID	Displays the current SSID.
Channel	Displays the current communication channel.
Network Authentication	Displays the current authentication and encryption method.
Pre-Shared Key	Displays the current pre-shared key.

Client Mode

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WLAN Configuration Select Language English Status - System	Wireless LAN Configuration Wreless LAN Configuration Smart Wireless Setup AP Search Wan Up/Down	
Vetwork Conf. - TCP/IP - Wireless LAN Vecurity - Password	Smart Wireless Setup Name Value PIN Code 53914545 Generate PIN	
 ✓ Maintenance Restart Factory Default Firmware Update 	Submit Submit Name Push Button Execute	
	PIN Ucode	

Smart Wireless Setup

Item	Description
PIN Code	Displays the PIN code of the wireless LAN model.

Smart Wireless Setup Execute

Item	Description
Push Button	Touch the Execute button to set up the wireless LAN using the Push Button method.
PIN Code	Enter the client PIN code and touch the Execute button to set up the wireless LAN using the PIN Code method.

NOTE:

- The timeout time for this setting is about 120 seconds.
- When using the **Push Button** method to set up the wireless LAN and the push button method is run simultaneously on two or more other equipment, an error will occur.

AP Search

When in Client mode, use this function to find surrounding access points. Select the access point, enter the network key if necessary, then touch the **Submit** button.

NOTE: After making any changes, restart the wireless LAN by selecting **Restart**, page 23.

WLAN Configuration elect Lancusce Inclicith Statue System Wireless LAN Configuration Wreless LAN Configuration Wreless LAN Configuration Wreless LAN Statue System Wireless LAN Statue System Wreless LAN Security Security Security Security Security Security WLANI101 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	WLAN Configuration Select Language English Status - System • Status - System • Network Conf. - TSP/B • Wereless LAN • Wereless LAN • Status • System • Status • TSP/B • Wereless LAN • Wilson network list • Bestory Default • Featory • WLAN1101 • X=XXXXXXXXX • 00000 10 11ng • Popen/Shared • NoNE	e http://169.254.	111.111/ssi/index.h	ntm?language=&menu=	ۇ ×5≊ - ⊄	169.254.111.111		×		l
elect Language English System System Network Conf. TCP/P Wireless LAN System System System Wireless LAN Security Password Security Password Wireless LAN Security Password Wireless LAN Security Password Wireless LAN Wireless LAN Security Password Wireless LAN Security Password WIANI101 XX-XXXXXXXXXXXXX WIANI102 XX-XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Select Language Status - System V Network Conf. - TCP/P - Wreless LAN Security - Password - Restart - Firmware Update Network Key	WLAN Configuration	Wirel	ess LAN Configu	ration					
Status System Natwork Conf. TOP/P Viriless LAN Security Security Password Winnetwork list Refresh Security Password Willian network list Refresh Security Password Willian network list National Willian network list Refresh Security Password Willian network list National Willian network National National National National National National National	Statue System System System System Submitt Security Security Security Security Security WLAN1101 XXXXXXXXXX Security WLAN1101 XXXXXXXXXX Security WLAN1102 XXXXXXXXX Security Submitt Submitt Submitt	Select Language English -	Wireless LAN	Configuration Smart	Wireless Setup A	P Search	Wlan	Up/Down		
Metwork Cont. -CPC/P Win network list Refresh Wroless LAN Security Security Security Pastword Security WLANI101 XX-XX-XX-XX WLANI101 XX-XX-XX-XX WLANI102 Network Key	Network Cont. - TCP/P - TCP/P - Wreless LAN Security - Password - Maintenance - Restart - Restart - Betarty - WLAN1101 20:20:20:20:20:20:20:20:20:20:20:20:20:2	▼ Status - System				l		·		
Select SSID BSSID RSSI CH witan Operating Mode Network Encryption Maintenance Image: Size of the	▼ Security Pescurity Pescurity Pescurity Pescurity Network Encryption - Pescurity - Maintenance - Restart	▼ Network Conf. - TCP/IP - Wireless LAN	► wi	an network list Refre	sh					
Image: Maintenance Restart Image: Association Restart <td< th=""><th>✓ Maintenance ● WLAN1101 XX-3X-3XX-3XXXX ● ● 0 11nt AP WPA/WPA2- (No AES ■ Restart ■ Featory ● WLAN1102 XX-3X-3XX-3XXXX ● ● 0 10 11nt AP Open/Shared NONE ■ ■ WLAN1102 XX-3X-3XX-3XXXX ● ● 0 0 10 11nt AP Open/Shared NONE ■ Network Key ■ <t< th=""><th> Security Password </th><th>select</th><th>t SSID</th><th>BSSID</th><th>RSSI OH</th><th>wlan</th><th>Operating Mode</th><th>Network Authentication</th><th>Encryption Mode</th></t<></th></td<>	✓ Maintenance ● WLAN1101 XX-3X-3XX-3XXXX ● ● 0 11nt AP WPA/WPA2- (No AES ■ Restart ■ Featory ● WLAN1102 XX-3X-3XX-3XXXX ● ● 0 10 11nt AP Open/Shared NONE ■ ■ WLAN1102 XX-3X-3XX-3XXXX ● ● 0 0 10 11nt AP Open/Shared NONE ■ Network Key ■ <t< th=""><th> Security Password </th><th>select</th><th>t SSID</th><th>BSSID</th><th>RSSI OH</th><th>wlan</th><th>Operating Mode</th><th>Network Authentication</th><th>Encryption Mode</th></t<>	 Security Password 	select	t SSID	BSSID	RSSI OH	wlan	Operating Mode	Network Authentication	Encryption Mode
WLAN1102 XXXXXXXX e00000 10 11nc AP Open/Shared NONE Network Key Submit	Restary Default Fortary Default	▼ Maintenance	۲	WLAN1101	XX-XX-XX-XX-XX	° ((()	11ng	AP	WPA/WPA2- PSK	AES
Network Key	Network Key	- Restart - Factory Default	0	WLAN1102	XX-XX-XX-XX-XX	0000 10	11ng	AP	Open/Shared	NONE
			Net	work Key						Submit

Item	Description
Refresh	Runs a search for access points.
Network Key	Enter the access point encryption key.

NOTE: The wireless LAN model does not support equipment with Shared-key authentication. Additionally, for access points identified in a search, the wireless LAN model cannot differentiate between Open authentication and Shared-key authentication. Therefore, Open authentication will be used for the access point even though it displays [Open/Shared].

WLAN Up/Down (enable or disable wireless LAN)

Enables (Uplink) or disables (Downlink) the wireless LAN network connection. **NOTE:** Restart is not required to enable setting changes.

Item	Description
Uplink	Enables the wireless LAN network connection.
Downlink	Disables the wireless LAN network connection.

NOTE: A grayed out button indicates that item is selected.

Password Configuration

Set up the login password to enter the WLAN Configuration screen. After entering the password, touch the **Submit** button.

NOTE: After making any changes, restart the wireless LAN by selecting **Restart**, page 23.

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Item	Description
New Password	Sets up the password.

Restart

Restarts the wireless LAN. Touch the $\ensuremath{\text{Yes}}$ button to restart and confirm setting changes.

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Factory Default

Returns all settings to the factory default. Touch the **Yes** button and the restart browser message will display. Touch the **Yes** button to restart the wireless LAN.

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WLAN Configuration Select Language English	Factory Default
- System V Network Conf. - TCP/P - Wireless LAN V Security - Password V Maintenance - Restart - Factory Default - Firmware Update	Are you sure you want to load the factory default? Ves No

Firmware Update

Updates the firmware with the latest files on the website. Define the storage location for the downloaded firmware and touch the **Update** button.

http://www.pro-face.com/trans/en/manual/1001.html

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WLAN Configuration Select Language English System Vistatue System Vireless LAN Geourity Password Wintenance Restort Factory Default Firmware Update	Firmware Update Specify a firmware update file to upgrade the firmware. Olick [Browse] and select the firmware update file saved on your PC. When finished.click(Update). * It may take a while to upgrade the firmware. Please do not turn off this product while the firmware update is in progress. New firmware : Drowse. Update

Logout

Displays only when a password is set up. Logging out returns you to the **System Status** screen.

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As standards, specifications, and design change from time to time, please ask for confirmation of the information given in this publication.

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