

SP5000 Series Open Box Wireless LAN Setting Manual



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When devices are used for applications with technical safety requirements, the relevant instructions must be followed.

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Failure to observe this information can result in injury or equipment damage.

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Safety Information

Important Information

NOTICE

Read these instructions carefully, and look at the equipment to become familiar with the device before trying to install, operate, 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

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



At a Glance

Document Scope

This manual describes how to configure the wireless LAN when using the SP5000 Series Open Box (hereafter referred to as "Open Box") with the SP5000 Series Display Module wireless LAN model (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 at <u>http://www.pro-face.com</u>.

The characteristics presented in this manual should be the same as those that appear online. In line with our policy of constant improvement we may revise content over time to improve clarity and accuracy. In the event that you see a difference between the manual 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 the hardware manual, from our website at <u>http://www.pro-face.com/trans/en/manual/1001.html</u>.

Chapter 1 Overview

What Is in This Chapter?

This chapter contains the following topics:

Торіс	Page
Introduction	10
Workflow	12
Network Authentication and Data Encryption	14

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.

WARNING

UNINTENDED 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 download the WLAN Finder from the Pro-face support site at http://www.pro-face.com/trans/en/manual/1001.html.

*2 Refer to Starting WLAN Configuration Screen (see page 18).

*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 the Pro-face support site at <u>http://www.pro-face.com/trans/en/manual/1001.html</u>.

*4 For information on each wireless LAN setting screen, refer to Chapter 2, Wireless LAN Settings (see page 15).

*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	-	-
	TKIP	-	-
	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.

Chapter 2 Wireless LAN Settings

What Is in This Chapter?

This chapter contains the following sections:

Section	Торіс	Page
2.1	IP Address	16
2.2	Starting WLAN Configuration Screen	18
2.3	Setting Menu	20

Section 2.1 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 *(see page 25)*.

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 (see page 25).

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 (see page 27) 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

Section 2.2 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 From the Windows [®] Control Panel, select 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 "LAN9500 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 tat Location field is the Open Box Wireless LAN network adapter. Check that its Local Area Connection status is connected. Import Field Area Connection properties. Click Properties → Networking Configure, and the connected. Import Field Area Connection properties. Click Properties → Networking Configure, and the connected. Import Field Area Connection properties. Click Properties → Networking Configure, and the connected. Import Field Area Connection Properties Import Field Area Connection Properties </th <th>Step</th> <th>Action</th>	Step	Action
2 Disconnect all LAN cables. 3 Turn ON the wireless LAN model to display the Windows [®] desktop. 4 From the Windows [®] Control Panel, select 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 "LAN9500(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 tat Location field is the Open Box Wireless LAN network adapter. Check that its Local Area Connection status is connected.	1	Connect the Open Box and the wireless LAN model.
 3 Turn ON the wireless LAN model to display the Windows[®] desktop. 4 From the Windows[®] Control Panel, select 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 "LAN9500 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 Location field is the Open Box Wireless LAN network adapter. Check that its Local Area Connection status is connected. 	2	Disconnect all LAN cables.
 From the Windows[®] Control Panel, select Network and Internet → Network and Sharing Center → Change adapter settings. For SP-5B40 On the Open Box, check that the status of the Local Area Connection property of "LAN9500 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 tat Location field is the Open Box Wireless LAN network adapter. Check that its Local Area Connection status is connected. First Statistic Confection Status Status Confection Properties First Statistic Confections First Statistic Confections First Statistic Confection Status Status Confection Properties First Statistic Confections First Statistic Confection Status Status Confection Properties First Statistic Confections First Statistic Confections First Statistic Confections First Statistic Confections First Status Confection Statistic Confection Status Confection S	3	Turn ON the wireless LAN model to display the Windows [®] desktop.
 For SP-5B40 On the Open Box, check that the status of the Local Area Connection property of "LAN9500 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 Location field is the Open Box Wireless LAN network adapter. Check that its Local Area Connection status is connected. 	4	From the Windows [®] Control Panel, select Network and Internet \rightarrow Network and Sharing Center \rightarrow 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. Image: The thermost device the open Box Wireless LAN network adapter. Check that its Local Area Connection status is connected. Image: The t
6 Start up an Internet browser.	6	Start up an Internet browser.

Step	Action
7	In the address bar, type http:// <wlan address="" configuration="" ip="" screen=""> (default IP address is 169.254.111.111) to display the WLAN Configuration screen.</wlan>
	Image: Interpr/169.254111.111 P → → × Image: Interpretence of the system of the syst
	NOTE: If the WLAN Configuration screen IP address has already been edited using TCP/IP Configuration (see page 25), 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. 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 the Pro-face support site at <u>http://www.pro-face.com/trans/en/manual/1001.html</u> .
	Example: Emphasized part is the same <wlan configuration="" screen=""> IP Address: 192.168 1 1</wlan>
	Subnet mask: 255.255.0.0
	<local area="" connection=""> IP Address: 192.168.1.2</local>
	Subnet mask: 255.255.0.0

Section 2.3 Setting Menu

What Is in This Section?

This section contains the following topics:

Торіс	Page
Introduction	21
Select Language	22
System Status	23
Login	24
TCP/IP Configuration	25
Wireless LAN Configuration	27
Smart Wireless Setup	29
AP Search	32
WLAN Up/Down (enable or disable wireless LAN)	33
Password Configuration	34
Restart	35
Factory Default	36
Firmware Update	37
Logout	38

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.

WLAN Configuration	■ <u>System Status</u>		
Select Language	Sustem Status		
Status - System	System Status		🔰 Refresh
Network Conf. TCP/IP			
- Wireless LAN	 TCP/IP Information 		
Security	Name	Status	
- Password	IP Address	169.254.111.111	
	Subnet Mask	255.255.0.0	
– Restart – Factory Default – Firmware Update	Wireless LAN Information	000	
∎	Name	Status	
∎	Current SSID	WLAN1101 XX-XX-XX-XX	
∎	Gurrent Channel		

System Status

e http://169.254.1	11.111/ssi/index.htm	ρ - ≧ Ċ × ĕ 169.254.111.111 ×	û © ☆
WLAN Configuration	System Status		010
Select Language English 🔹	System Status		
▼ Status - System			🌶 Refresh
Network Conf. TCP/IP Wireless I AN	► TCP/IP Information		
VER CICSS LAIN	Name	Status	
 Security Recurity 	IP Address	169.254.111.111	
- Fassword	Subnet Mask	255.255.0.0	
Maintenance Restart Factory Default Einmutre Lindate	Wireless LAN Information		
r inning o opageo	Name	Status	
	Current SSID	WLAN1101 XX-XX-XX-XX-XX	
	Current Channel	11	
	MAC Address	XX-XX-XX-XX-XX	
	L		

Displays the wireless LAN status.

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	Description	
Radio signal strength	Displays the strength of the wireless radio signal, from 0% to 100%.	
	olding olding <tholdity <="" th=""> <tholdity <="" th=""> <tholdity <<="" th=""></tholdity></tholdity></tholdity>	
Current SSID	Displays the SSID and BSSID in use. When not connected to the network, nothing is displayed.	
Current Channel	Displays the channel in use.	
MAC Address	Displays only in Access 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 (see page 34).
- 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 the Pro-face support site at <u>http://www.pro-face.com/trans/en/manual/1001.html</u>.

C 🕞 🕘 🥭 http://169.254.3	111.111/ssi/index.htm?access=&language=1& 🖓 🕶 🗟 C 🗙 💋 🧉 169.254.111.111 🛛 🛛 🗙 🔛	슈 ☆ ⁽²⁾
Attp://169.254. WLAN Configuration Select Language English V Status - System - Login - Login	III.111/ssi/index.htm?access=&danguage=1& P < ≧C×	

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** (see page 35).

WLAN Configuration	TCP/IP Configuration		
nglish 🔹	TCP/IP Configuration		
Status	► TCP/IP Configuration		
System	Name	Current Value	Value
TCP/IP	IP Address	169.254.111.111	169.254.111.111
Wreless LAN	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
Factory Default	DNS Server (Secondary)	0.0.0.0	0.0.0.0
Logout	DHCP Server Configuration		<u>'</u>
	Name	Value	
	DHCP Server	ON V	
	Start IP Address	192.168.1.15	
	End IP Address	192.168.1.30	
	Subnet Mask	255.255.255.0	
	Default Gateway	169.254.111.111	✓Use the same address as "IP address".
	DNS Server Address	169.254.111.111	✓ 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.	

Item	Description	
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.	
Use the same address as "IP address" (Automatically sets the DNS server)	Select the check box to define the DNS server with the same address as the IP Address property.	
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 (see page 35).

WLAN Configuration Select Language English	III/ssi/index.htm Uireless LAN Configura Wireless LAN Configuration Smart Wi	P • ≧ C × ≦ 169.254.111.111 × tion x x reless Setup AP Search Wan Up/Down	۵ x
Network Cont. - TCP/JP - TCP/JP Wreless LAN Security - Password Maintennoe - Restart - Restart - Firmware Update	Wireless LAN Basic Configurati Name Operating Mode SSD Channel Network Authentication	on Value AccessPoint • WLAN101 11 • Open •	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 Client mode (see page 14).
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 (see page 35).

Access Point Mode

WLAN Configuration Select Language	Wireless LAN Configura	ation
English 🔹 ₩	ireless LAN Configuration Smart W	/ireless Setup AP Search Wlan Up/Down
▼ Status		
Network Conf. TCP/P		
- Wireless LAN	 Smart Wireless Setup 	Value
V Security	140116	
- Password	Smart Wireless Setup Informa	ation configured Release
Maintenance	PIN Code	53914545 Generate PIN
- Factory Default - Firmware Update	 Smart Wireless Setur Execute 	Submit
	Name	
	Push Button	Execute
	PIN Code	Execute
	 Wireless AN Information 	
	Name	Value
	SSID	WLAN1101 XX-XX-XX-XX-XX
	Channel	11
	Network Authentication	Open
	Pre-Shared Key	

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

← < / 254	111.111/ssi/index.htm?ianguage=1&menu= ター目でX (愛 169.254.111.111 ×)の 分で
WLAN Configuration Select Language English	Image: Wireless LAN Configuration Wireless LAN Configuration Smart Wireless Setup AP Search Wian Up/Down
Network Conf. - TCP/IP - Wireless LAN Security - Password	Smart Wireless Setup Name Value PN Ode E001 (6 L) Generate EM
▼ Maintenance - Restart - Factory Default - Firmware Update	Sint Wreless Setup Execute Submit Name Park Britten
	PN Code Execute

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 (see page 35).

- System Network Key Network Key Submit	WLAN Configuration Select Language English •	III Wirel e Wireless LAN	e <u>ss LAN Confi</u> Configuration Sma	guration art Wireless Setup	NP Search	Wlan	Jp/Down		6
Security SSED RSSI CH wisn Operating Network Encryption ■ Restart - Restart - Factory WLAN1101 XXXXXXXXXXXX 0000 6 11ng AP WRAVWPA2- PSXX AES ● WLAN1102 XXXXXXXXXXXXX 0000 10 11ng AP Open/Shared NONE	- System ▼ Network Conf. - TCP/IP - Wireless LAN	► Wia	n network listRe	fresh					
Waintenance • WLAN1101 XXXXXXXXX • 0000 6 11nc AP WPA2- PSXX AES • Patary Default • WLAN1102 XXXXXXXXX • 0000 10 11nc AP Open/Shared NONE • Network Key • • • • • • • • • • • • • • • • • • •	▼ Security - Password	select	SSID	BSSID	RSSI CH	wlan	Operating Mode	Network Authentication	Encryption Mode
- Fextery Default - Fintery Default	▼ Maintenance	۲	WLAN1101	XX-XX-XX-XX-XX	° 000 °	11ns	AP	WPA/WPA2- PSK	AES
Network Key	- Factory Default	0	WLAN1102	XX-XX-XX-XX-XX	0000 10	11ng	AP	Open/Shared	NONE
		Net	vork 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.

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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 (see page 35).

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Key Manual Market Configuration WLAN Configuration Select Language English Visture System Network Confi. TOP/P Wireless LAN Viseurby Password Maintenance Restart Factory Default Firmware Update	111.111/ssi/index.htm?access=19fba9d520a811 P · 2 C × If 169.254.111.111 × Image: Password Configuration Password Configuration Please keep the password confidential Please input the password to set. New Password : New Password :	□ 0 × ① ☆ 徳
 ✓ Maintenance Restart Factory Default Firmware Update 	New Password :	Submit

Item	Description
New Password	Sets up the password.

Restart

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WLAN Configuration Select Language English	Estart Restart
Status System System Network Conf. TCP/P Wireless LAN Security Password Maintenance Restart Factory Detault Firmware Update	Are you sure you want to restart the server? Yes No

Restarts the wireless LAN. Touch the Yes button to restart and confirm setting changes.

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	Factory Default		
1	English 💌	Factory Default		
	▼ Status - System ▼ Network Conf. - TCP/JP - Wireless LAN	Are you sure you want to load the factor	ry default?	
	 Security Password 		Yes No	
	▼ Maintenance - Restart - Factory Default - Firmware Update			
∣∎		1		

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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Cc Select Englisi Stat Stat Stat Stat Nett Pass - Pass - Pass - Pass - Fact - Firm	WLAN onfiguration Language h value term merk Conf. //P pless LAN werk Value word termance tart tart tart tart tart tart by Default	Firmware Update Firmware Update Specify a firmware update file to upgrade the firmware. Click (Encose) 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 : Browse. Update Update	

Logout

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

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