

INTRAORAL SCANNER WIRELESS ADAPTER

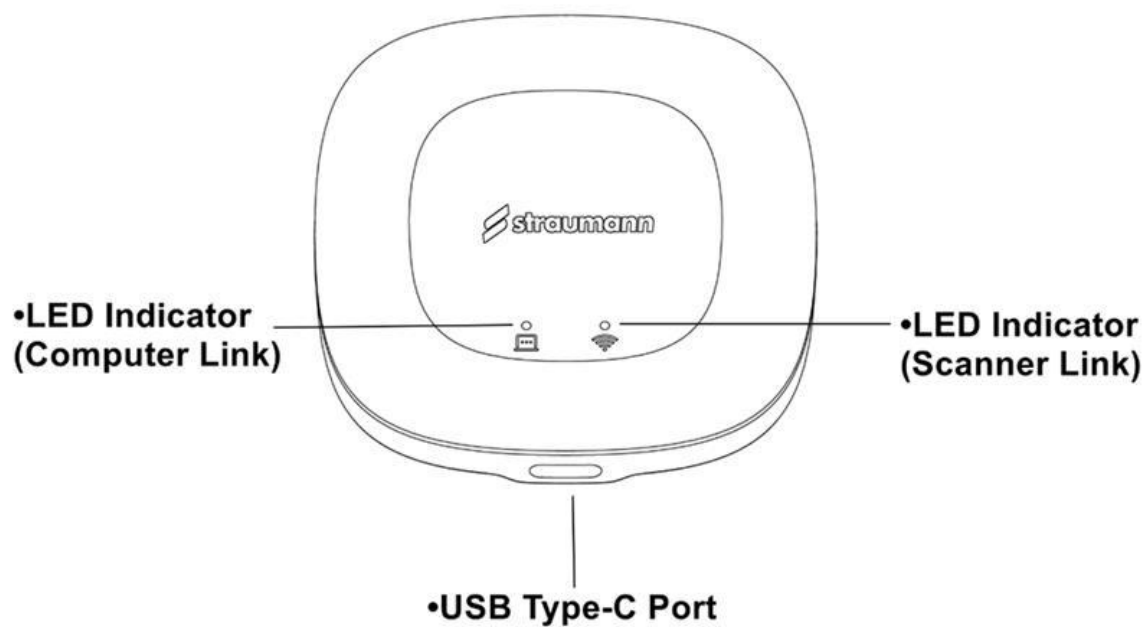
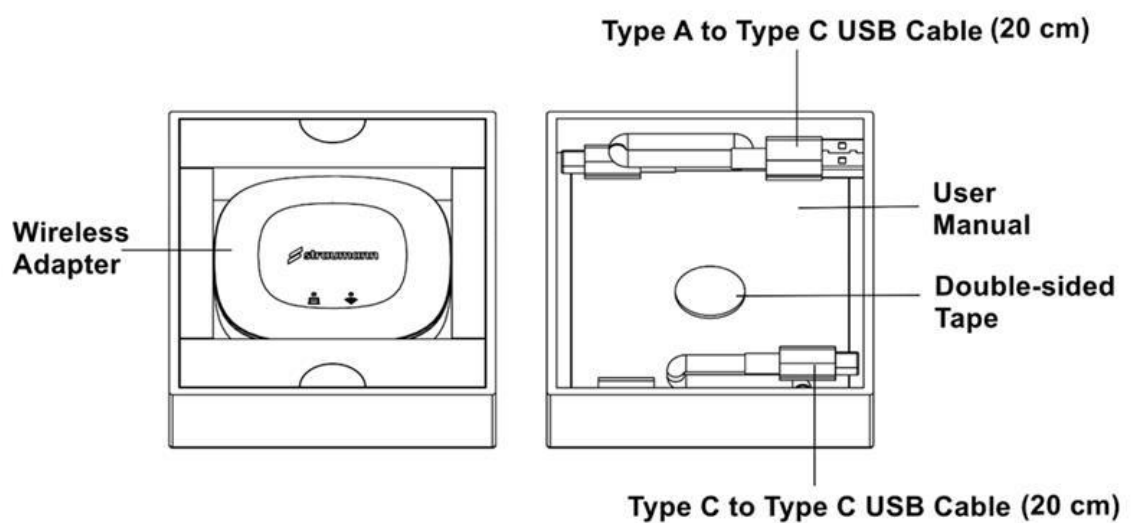
Instruction Manual



Technical handling information

EN/English

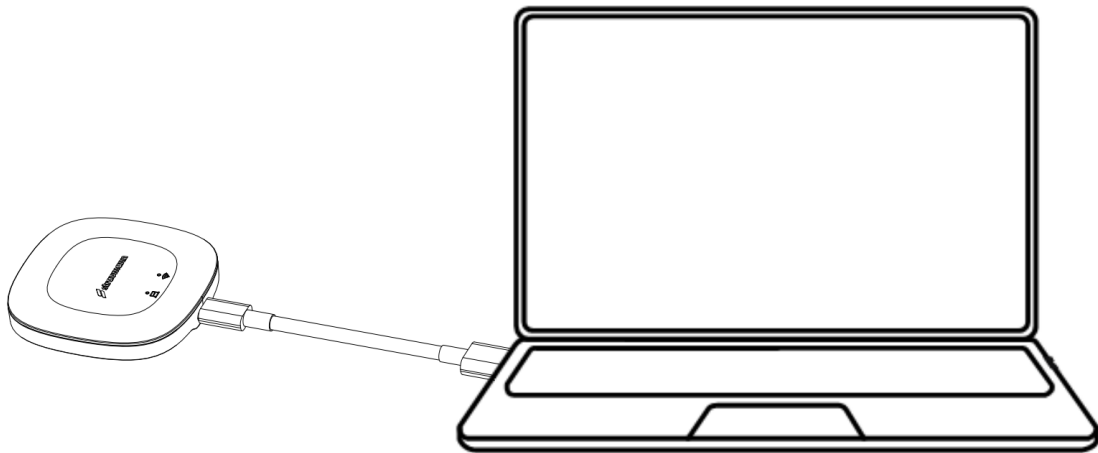
PACKAGE CONTENTS



Setup Guide

Part A: Physical Setup

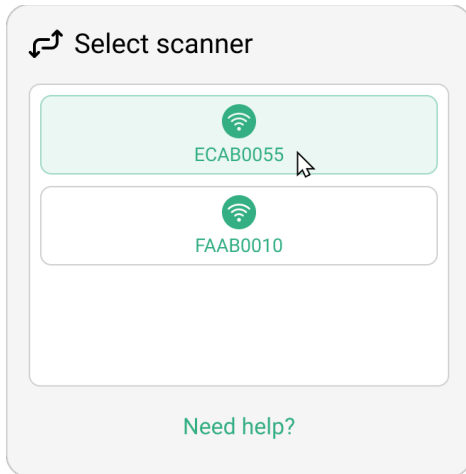
1. Place the wireless adapter on a stable, flat surface near your computer.
2. (Optional) For vertical mounting, stick the provided double-sided tape to the back of the adapter and affix it to a clean, vertical surface.
3. Connect the included USB cable from the adapter to an available USB port on your computer.



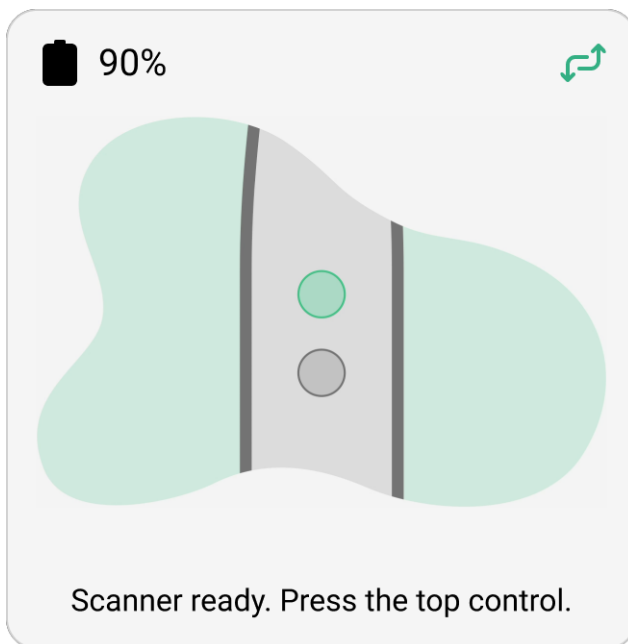
- Computer with USB 2.0 or later port (USB 3.0, 3.1, etc. supported)
- Windows10 (build 18362 or later) or Window 11, 64-bit

Part B: Software Setup

4. Ensure Straumann SIRIOS Software version 1.0.9 or later is installed.
5. Power on your computer and your wireless scanner.
6. Open the Straumann SIRIOS software.
7. From the scanner list, click **Connect** next to your scanner model.



8. Once connected, the button will display **Disconnect** and the battery status will appear. You can now begin scanning.



Part C: Wireless Communication & Network Security

- Local Connectivity Statement: Alliedstar Intraoral Scanner and its dedicated Wireless Adapter utilize standard Wi-Fi protocols for localized peer-to-peer communication. This connection is strictly dedicated to the transmission of control commands and captured oral image data between the hardware components.

• **Network Isolation:** The system operates within a closed-loop wireless environment. It does not require, nor is it capable of, connecting to the public internet (WAN). All data processing and 3D model reconstruction are performed locally on the computer. This architecture ensures high-speed data stability and maximum network security by remaining completely isolated from external networks.

Note: Users cannot manually configure this device to access the public internet, ensuring the integrity of the clinical workflow.

LED Indicator Status

Status			Meaning
Starting Up	Flashing Green	Flashing Green	Device is starting
Ready to Connect	Solid Green	Breathing Green	Ready to connect
Connected	Solid Green	Solid Green	Connected to scanner and PC
Updating Firmware	Breathing Orange	–	Firmware is being updated
Hardware Error	–	Flashing Orange	Hardware error – restart device

Troubleshooting

Problem	Solution
No connection	1. Try another USB port. 2. Restart your computer.
Cannot find scanner Wi-Fi	1. Make sure the scanner is powered on (status light breathing). 2. Keep the scanner within range.
Connection unstable or slow	1. Move the adapter and scanner closer. 2. Remove large metal objects or interference sources between them. 3. Change the Wi-Fi channel on the scanner if possible.
LED indicator not Solid Green	See “LED Indicator Status” section for details.

For technical support, contact Straumann support.

Environmental Requirements

Condition	Temperature	Relative Humidity	Atmospheric Pressure
Operating	15°C~ 30°C	10% RH ~ 65% RH	70 kPa ~ 106 kPa
Transportation	-10 °C~ 50°C	10 % RH ~ 95% RH	60 kPa ~ 106 kPa
Storage	-10°C ~ 50°C	10 % RH ~ 85% RH	70 kPa ~ 106 kPa

Regulatory Information

FCC compliance information statement



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference.
- 2) This device must accept any interference received, including interference

that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

5.9 and 6GHz Wi-Fi Devices

FCC regulations restrict the operation of this device to indoor use only. This device cannot be used to provide connection between separate buildings or structures. The operation of this is prohibited on oil platforms, cars, trains, boats, and aircraft, except the device is permitted in large aircraft while flying above 10,000 feet. Operation of transmitters in the 5.915-7.125 GHz band is prohibited for control of or communication with unmanned aircraft systems.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment has been SAR-evaluated for use in hand. SAR measurements are based on a 20 cm spacing from the body and that compliance is achieved at that distance.

CE Mark Warning



This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

OPERATING FREQUENCY (the maximum transmitted power)

5150MHz-5250MHz(23dBm)

5735MHz-5835MHz(25mW)

5925MHz-6425MHz(23dBm)

EU declaration of conformity

Alliedstar hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2011/65/EU and (EU)2015/863.



Alliedstar hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017.

RF Exposure Information

This device meets the EU requirements (2014/53/EU Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

This device has been tested and meets the ICNIRP exposure guidelines and the European Standard EN 62209-2. SAR is measured with this device at a separation of 20 cm to the body, while transmitting at the highest certified output power level in all frequency bands of this device. Carry this device at least 20 cm away from your body to ensure exposure levels remain at or below the as-tested levels.

National restrictions

Attention: This device may only be used indoors in all EU member states and

EFTA countries.

	AT	BE	BG	CH	CY	CZ	DE	DK
	EE	EL	ES	FI	FR	HR	HU	IE
	IS	IT	LI	LT	LU	LV	MT	NL
	NO	PL	PT	RO	SE	SI	SK	UK(NI)

Attention: This device may only be used indoors in Great Britain.



HHHHH-AA-FFFFF

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.



La operación de este equipo está sujeta a las siguientes dos condiciones:

- (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y
- (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada

NCC 警語

產品類型	警語
低功率產品(LPD)	取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。
WLAN 5G 產品	1.應避免影響附近雷達系統之操作。 2.高增益指向性天線只得應用於固定式點對點系統。

This product must be powered by a device whose output meets the requirements of ES1 and PS1.

ISED Warning

This device complies with Innovation, Science and Economic Development Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. This Class B digital apparatus complies with Canadian ICES-003.

IC: 29544-N25AX

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Avis ISED

Cet appareil est conforme à la (aux) norme(s) RSS exemptée(s) de licence d'Innovation, Sciences et Développement économique Canada. Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférences, et (2) cet appareil doit accepter toute interférence, y

compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

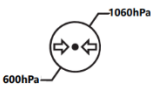
Cet appareil numérique de classe B est conforme à la norme canadienne ICES-003.

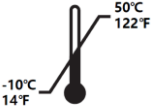
IC: 29544-N25AX

L'appareil destiné à fonctionner dans la bande 5150-5250 MHz est uniquement pour une utilisation en intérieur afin de réduire le risque d'interférences nuisibles avec les systèmes mobiles par satellite utilisant le même canal.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

Labels and Symbols

	Manufacturer
	Date of Manufacture
	Model number
	Serial number
	Direct current
	Separate collection for waste electric and electronic equipment (WEEE) is required.
	Atmospheric pressure limitation

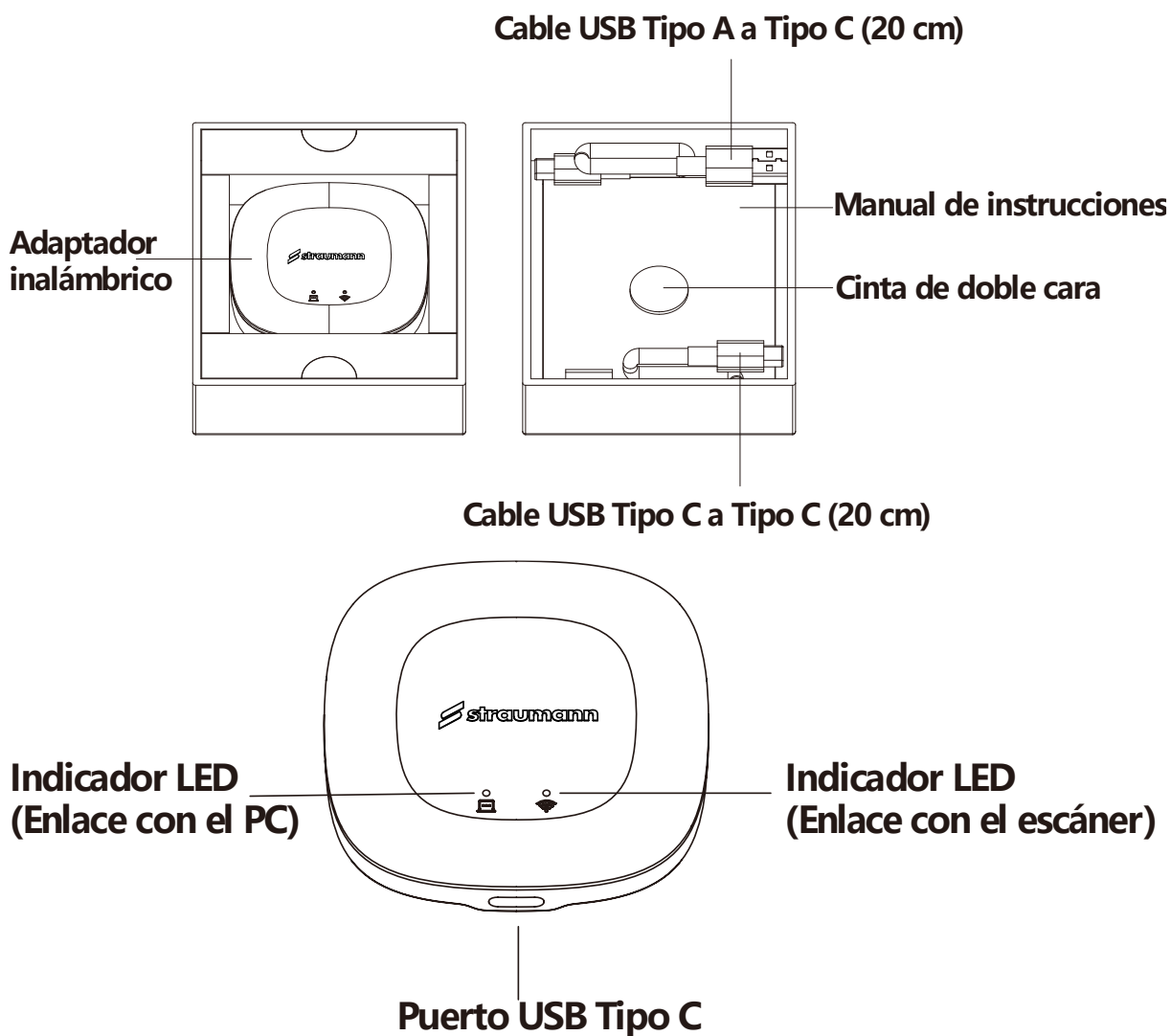
	Fragile, handle with care
	Humidity limitation
	Keep away from rain
	Stacking limit by number
	Temperature limits
	Consult instructions for use. Follow the link to the eIFU: ifu.allied-star.com.
	Catalogue number

Instruction Manual Version Updates

Please visit <https://ifu.allied-star.com/> to download the latest version of the Instruction Manual.

ES/ Español

Contenido del paquete

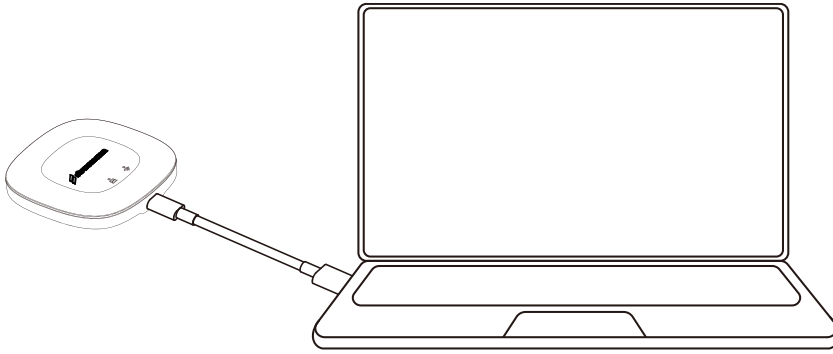


Guía de instalación

Parte A: Instalación del hardware

1. Coloque el adaptador inalámbrico sobre una superficie estable y plana cerca de su ordenador.

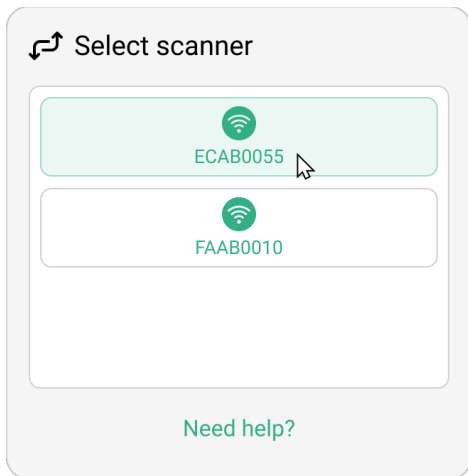
2. (Opcional) Para el montaje vertical, pegue la cinta adhesiva de doble cara incluida en la parte posterior del adaptador y fíjelo a una superficie vertical limpia.
3. Conecte el cable USB incluido desde el adaptador a un puerto USB disponible de su ordenador.



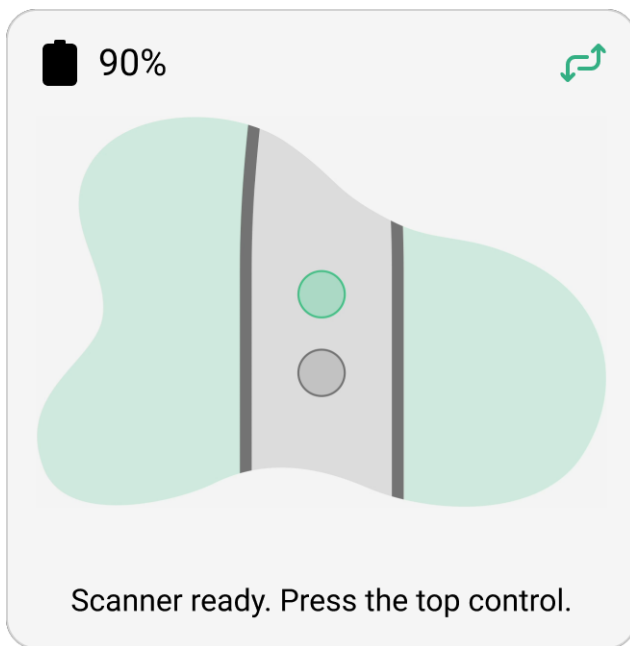
1. Ordenador con puerto USB 2.0 o posterior (compatible con USB 3.0, 3.1, etc.)
2. Windows 10 (compilación 18362 o posterior) o Windows 11, 64 bits

Parte B: Configuración del software

4. Asegúrese de que esté instalada la versión 1.0.6 o posterior del software Straumann SIRIOS.
5. Encienda su ordenador y su escáner inalámbrico.
6. Abra el software Straumann SIRIOS.
7. En la lista de escáneres, haga clic en Conectar junto al modelo de su escáner.



8. Una vez conectado, el botón mostrará Desconectar y aparecerá el estado de la batería. Ya puede comenzar a escanear.



Estado de los indicadores

Estado			Significado
Iniciando	Verde parpadeante	Verde parpadeante	El dispositivo se está iniciando
Listo para conectar	Verde fijo	Verde pulsante	Listo para conectar
Conectado	Verde fijo	Verde fijo	Conectado al escáner y al PC
Actualizando firmware	Naranja parpadeante	–	El firmware se está actualizando
Error de hardware	–	Naranja intermitente	Error de hardware – reinicie el dispositivo

Solución de problemas

Problema	Solución
Sin conexión	1. Pruebe con otro puerto USB. 2. Reinicie su ordenador.
No se encuentra el Wi-Fi del escáner	1. Asegúrese de que el escáner esté encendido (luz de estado pulsante). 2. Mantenga el escáner dentro del alcance. 3. Desconecte y vuelva a conectar el adaptador inalámbrico.
Conexión inestable o lenta	1. Acerque el adaptador y el escáner. 2. Retire objetos metálicos grandes o fuentes de interferencia que se encuentren entre ellos. 3. Cambie el canal Wi-Fi en el escáner si es posible.
El indicador no está en Verde fijo	Consulte la sección "Estado de los indicadores" para obtener más detalles.

Para soporte técnico, contacte con el servicio de soporte de Straumann.

Requisitos ambientales

Condición	Temperatura	Humedad relativa	Presión atmosférica
Funcionamiento	15°C ~ 30°C	10% RH ~ 65% RH	70 kPa ~ 106 kPa
Transporte	-10 °C ~ 50°C	10 % RH ~ 95% RH	60 kPa ~ 106 kPa
Almacenamiento	-10°C ~ 50°C	10 % RH ~ 85% RH	70 kPa ~ 106 kPa

Información normativa

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產品類型	警語
低功率產品(LPD)	取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。
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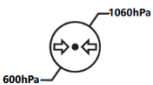
Cet appareil numérique de classe B est conforme à la norme canadienne ICES-003.

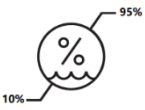
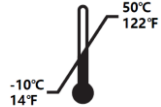
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Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

Etiquetas y símbolos

	Fabricante
	Fecha de fabricación
	Número de modelo
	Número de serie
	Corriente continua
	Se requiere la recogida selectiva de residuos de aparatos eléctricos y electrónicos (RAEE).
	Limitación de presión atmosférica

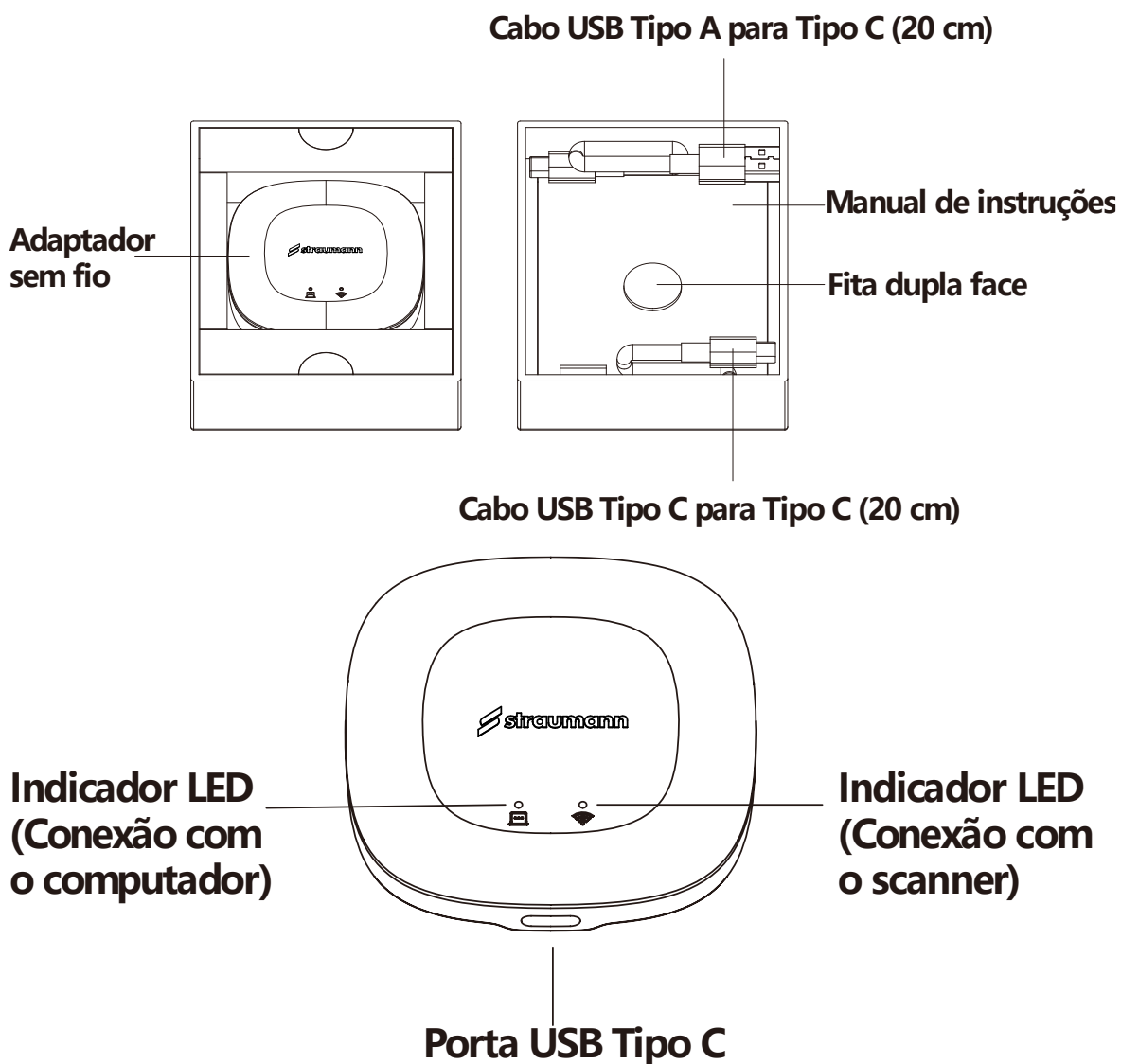
	Frágil, manipular con cuidado
	Limitación de humedad
	Mantener alejado de la lluvia
	Límite de apilamiento por número
	Límites de temperatura
	Consulte las instrucciones de uso. Siga el enlace a las eIFU: ifu.allied-star.com.
	Número de catálogo

Actualizaciones de la versión del manual

Visite <https://ifu.allied-star.com/> para consultar el manual de instrucciones más reciente.

PT/Português

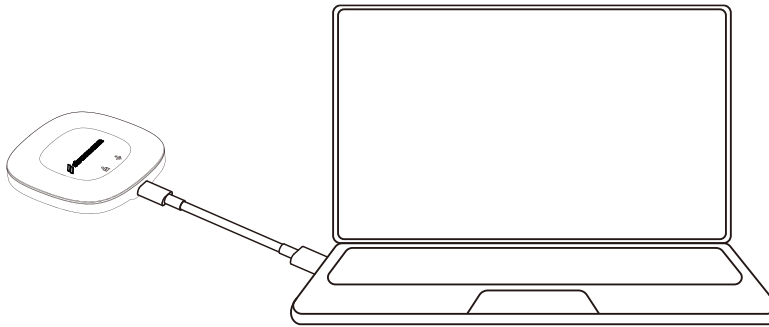
Conteúdo da Embalagem



Guia de Instalação

Parte A: Configuração física

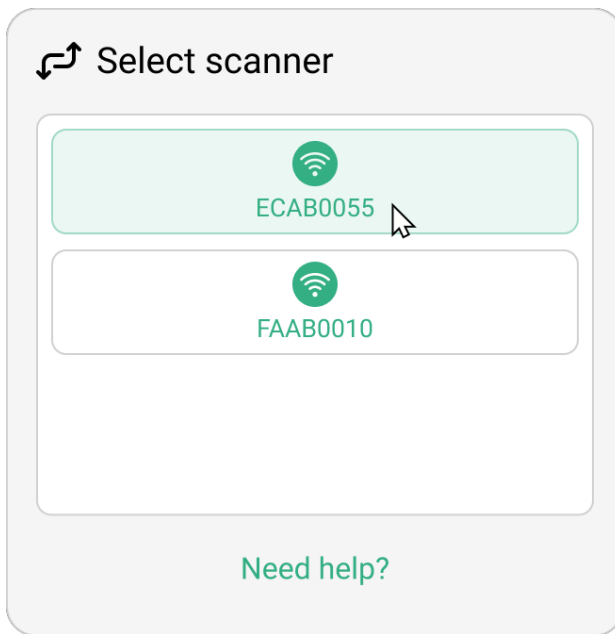
1. Coloque o adaptador sem fio em uma superfície estável e plana, próxima ao seu computador.
2. (Opcional) Para montagem vertical, fixe a fita dupla face fornecida na parte traseira do adaptador e prenda-o a uma superfície vertical limpa.
3. Conecte o cabo USB incluído do adaptador a uma porta USB disponível no seu computador.



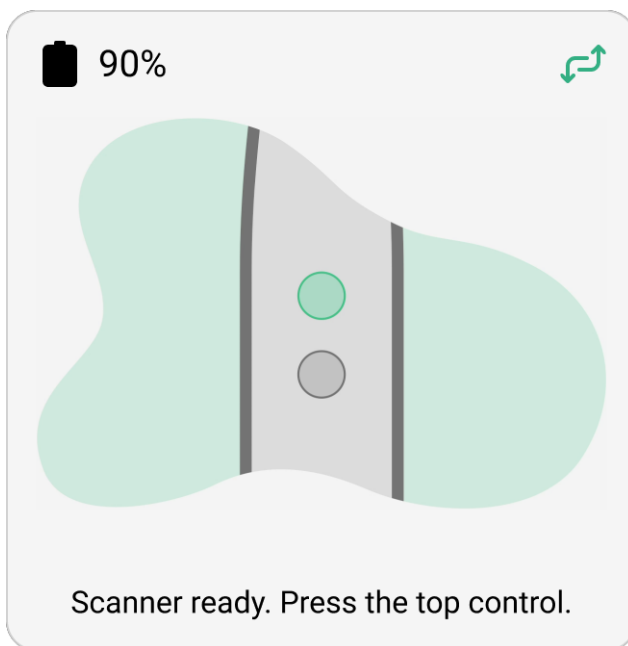
1. Computador com porta USB 2.0 ou posterior (compatível com USB 3.0, 3.1, etc.)
2. Windows 10 (compilação 18362 ou posterior) ou Windows 11, 64 bits

Parte B: Configuração do Software

4. Certifique-se de que a versão 1.0.6 ou posterior do software Straumann SIRIOS esteja instalada.
5. Ligue o computador e o seu scanner sem fio.
6. Abra o software Straumann SIRIOS.
7. Na lista de scanners, clique em **Conectar** ao lado do modelo do seu scanner.



8. Após a conexão, o botão exibirá **Desconectar** e o status da bateria aparecerá. Agora você pode iniciar a digitalização.



Status do Indicador

Status			Significado
Inicializando	Verde Intermitente	Verde Intermitente	O dispositivo está iniciando
Pronto para Conectar	Verde Fixo	Verde Pulsante	Pronto para conectar
Conectado	Verde Fixo	Verde Fixo	Conectado ao scanner e ao PC
Atualizando Firmware	Laranja Intermitente	–	O firmware está sendo atualizado
Erro de Hardware	–	Laranja Intermitente	Erro de hardware – reinicie o dispositivo

Solução de Problemas

Problema	Solução
Sem conexão	1. Tente outra porta USB. 2. Reinicie o computador.
Não é possível encontrar o Wi-Fi do scanner	1. Certifique-se de que o scanner esteja ligado (luz de status pulsante). 2. Mantenha o scanner dentro do alcance. 3. Desconecte e reconecte o adaptador sem fio.
Conexão instável ou lenta	1. Aproxime o adaptador e o scanner. 2. Remova grandes objetos metálicos ou fontes de interferência entre eles. 3. Mude o canal Wi-Fi no scanner, se possível.
O indicador não está em Verde Fixo	Consulte a seção "Status do Indicador" para mais detalhes.

Para suporte técnico, entre em contato com o suporte da Straumann.

Requisitos Ambientais

Condição	Temperatura	Umidade Relativa	Pressão Atmosférica
Operação	15°C ~ 30°C	10% RH ~ 65% UR	70 kPa ~ 106 kPa
Transporte	-10 °C ~ 50°C	10 % RH ~ 95% UR	60 kPa ~ 106 kPa
Armazenamento	-10°C ~ 50°C	10 % RH ~ 85% UR	70 kPa ~ 106 kPa

Informações Regulatórias

FCC compliance information statement



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference.
- 2) This device must accept any interference received, including interference

that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

5.9 and 6GHz Wi-Fi Devices

FCC regulations restrict the operation of this device to indoor use only. This device cannot be used to provide connection between separate buildings or structures. The operation of this is prohibited on oil platforms, cars, trains, boats, and aircraft, except the device is permitted in large aircraft while flying above 10,000 feet. Operation of transmitters in the 5.915-7.125 GHz band is prohibited for control of or communication with unmanned aircraft systems.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment has been SAR-evaluated for use in hand. SAR measurements are based on a 20 cm spacing from the body and that compliance is achieved at that distance.

CE Mark Warning



This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

OPERATING FREQUENCY (the maximum transmitted power)

5150MHz-5250MHz(23dBm)

5735MHz-5835MHz(25mW)

5925MHz-6425MHz(23dBm)

EU declaration of conformity

Alliedstar hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2011/65/EU and (EU)2015/863.



Alliedstar hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017.

RF Exposure Information

This device meets the EU requirements (2014/53/EU Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

This device has been tested and meets the ICNIRP exposure guidelines and the European Standard EN 62209-2. SAR is measured with this device at a separation of 20 cm to the body, while transmitting at the highest certified output power level in all frequency bands of this device. Carry this device at least 20 cm away from your body to ensure exposure levels remain at or below the as-tested levels.

National restrictions

Attention: This device may only be used indoors in all EU member states and

EFTA countries.

	AT	BE	BG	CH	CY	CZ	DE	DK
	EE	EL	ES	FI	FR	HR	HU	IE
	IS	IT	LI	LT	LU	LV	MT	NL
	NO	PL	PT	RO	SE	SI	SK	UK(NI)

Attention: This device may only be used indoors in Great Britain.



HHHHH-AA-FFFFF

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.



La operación de este equipo está sujeta a las siguientes dos condiciones:

- (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y
- (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada

NCC 警語

產品類型	警語
低功率產品(LPD)	取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。
WLAN 5G 產品	1.應避免影響附近雷達系統之操作。 2.高增益指向性天線只得應用於固定式點對點系統。

This product must be powered by a device whose output meets the requirements of ES1 and PS1.

ISED Warning

This device complies with Innovation, Science and Economic Development Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. This Class B digital apparatus complies with Canadian ICES-003.

IC: 29544-N25AX

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Avis ISED

Cet appareil est conforme à la (aux) norme(s) RSS exemptée(s) de licence d'Innovation, Sciences et Développement économique Canada. Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférences, et (2) cet appareil doit accepter toute interférence, y

compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

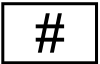
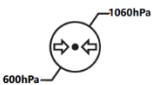
Cet appareil numérique de classe B est conforme à la norme canadienne ICES-003.

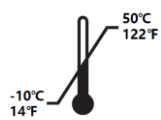
IC: 29544-N25AX

L'appareil destiné à fonctionner dans la bande 5150-5250 MHz est uniquement pour une utilisation en intérieur afin de réduire le risque d'interférences nuisibles avec les systèmes mobiles par satellite utilisant le même canal.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

Rótulos e Símbolos

	Fabricante
	Data de fabricação
	Número do modelo
	Número de série
	Corrente contínua
	É necessária a recolha seletiva de resíduos de equipamentos elétricos e eletrônicos (REEE).
	Limite de pressão atmosférica

	Frágil, manusear com cuidado
	Limite de humidade
	Manter afastado da chuva
	Limite de empilhamento por número
	Limites de temperatura
	Consultar as instruções de utilização. Siga o link para as eIFU: ifu.allied-star.com .
	Número de catálogo

Instruction Manual Version Updates

Visite <https://ifu.allied-star.com/> para consultar o manual de instruções mais recente.



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