

For use only with medication indicated on the Hailie® sensor label

# (EN) Product Manual



This Product Manual will help you to aet the most out of your Hailie® sensor. Please read the manual before using the sensor.

### Hailie<sup>®</sup> Sensor Intended Use

The Hailie® sensor is intended for single-patient use in the home environment as an electronic data capture accessory for monitoring and recording actuations and other parameters, including inspiratory flow, of prescribed inhaler usage.

The Hailie<sup>®</sup> sensor may be used in the following applications: in clinical practice or clinical trials, where specialists, general practitioners, nurses, and educators need to know if a patient has used their prescribed medication, or assess inspiratory flow and inhaler technique; and in patient selfmanagement including medication reminders.

The Hailie sensor is compatible only with the Bricanyl<sup>™</sup> and Symbicort<sup>™</sup> Turbuhaler<sup>™</sup> inhalers.

The Hailie® sensor is not intended to indicate remaining quantity of medication in an Inhaler and does not include a dose counting function.

### Important User Information

Warnings identify actions or situations that could lead to personal injury. Take note of all warnings before using the Hailie® sensor.

Precautions identify actions or situations that could damage the Hailie® sensor or other equipment, or affect the accuracy or availability of recorded usage data.

Notes contain advisory information about some aspect of the Hailie® sensor or its use.

## Warnings and Precautions

- To ensure your Inhaler functions correctly, do not use the Hailie® sensor with any other Inhaler or medication than that indicated on the Hailie® sensor label.
- Refer to the labelling provided with the Inhaler for instructions on use. Carry out all steps required to use your Inhaler according to the instructions.
- The Hailie® sensor is intended to track medication usage. It is not intended to diganose your condition or to replace the diagnosis of a licensed physician.

This manual does not provide information on how to use prescription medication. and is not intended to replace the advice provided by a health professional. Directions for using prescription medication should be obtained from a health professional and followed accordingly. Any questions related to prescription medication should be referred to a health professional.

The Hailie® sensor does not contain a dose counter. Do not use data collected by the Hailie® sensor to determine the number of doses remaining in an Inhaler.

If your prescribed Inhaler changes, do not use it with this Hailie® sensor. Only use a Hailie® sensor that is labelled as compatible with your prescribed Inhaler.

▲ Keep the Hailie<sup>®</sup> sensor outside MRI scanner rooms.

Setup and use of the Hailie® sensor for patients under 12 years of age requires assistance from a parent or caregiver.

The Hailie® sensor is a battery-powered electronic device. Take care to not spill liquids on the Hailie® sensor or immerse it in water. Do not use the Hailie® sensor if it is not in good condition.

Do not expose the Hailie® sensor to excessive perspiration during exercise.

	•	not use the Hailie® sensor with more than one patient.	the Hailie® sensor with more than				
	!	Remove the Hailie® sensor from the Inhaler before cleaning the Inhaler.					
	!	Ensure the grip around the base of the installed inhaler is twisted anticlockwise and then back within a minute so that Inhaler usage is recorded.		T			
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For hygiene and data integrity reasons, do

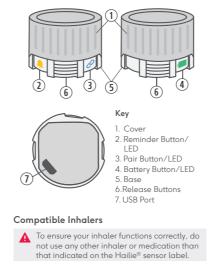
#### What is the Hailie® Sensor? The Hailie® sensor is a companion tool that tracks

your prescribed medication use and reminds you when to take your prescribed medication. The Hailie® sensor is a small battery-powered

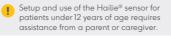
electronic data logger that attaches to an Inhaler. The Hailie® sensor contains an electronic clock and calendar that is used to log the date and time of Inhaler usage, Usage data can be uploaded via a wireless Bluetooth® connection.

The Hailie® sensor has a built-in audiovisual alert to remind you when to take your prescribed medication - and tracks when you did - so you can have confidence you're following your prescription.

### Hailie<sup>®</sup> Sensor Components



Medication		Compatible Sensor				
Bricanyl™ Turbuhaler™	250 mcg 500 mcg	Hailie <sup>®</sup> for use only with Bricanyl™ Turbuhaler™				
Symbicort™ Turbuhaler™	100/6, 200/6, 400/12 mcg	Hailie® for use only with Symbicort™ Turbuhaler™	Ľ			
The Hailie® sensor intended population is identical to the intended population of the compatible Inhaler.						
Preparation for First Use Ins						

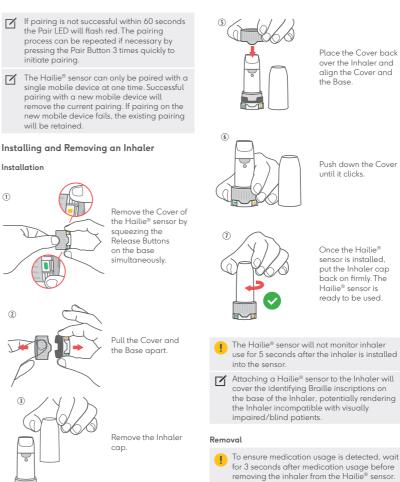


The Hailie® sensor must be paired with a compatible *Bluetooth®* mobile device in order to sync stored usage data.

Download a compatible mobile app to communicate with your sensor. For more information go to support.hailie.com.

Ensure Bluetooth® is enabled on your mobile device.





Position the Inhaler

Base.

in the Hailie® sensor

### Delivering a Dose of Medication

A Refer to the labelling provided with the Inhaler for instructions on use. Carry out all steps required to use your Inhaler according to the instructions.

The Hailie® sensor Battery LED flashes areen. orange or red (to indicate battery level) 3 seconds after detecting the medication usage.

If the Battery LED flashes red or if there is no flash. the Hailie® sensor is not monitoring usage. Check the battery level according to Reviewing the Battery Level.

- This manual does not provide information on how to use prescription Inhaler medication and is not intended to replace the advice provided by a healthcare professional. Directions for using prescription medication should be obtained from a healthcare professional and followed accordingly. Any questions related to prescription medication should be referred to a healthcare professional.
- With the Hailie® sensor installed, the Hailie® sensor becomes what the prescribed Inhaler medication leaflet refers to as "the arip".
- Ensure the grip around the base of the installed inhaler is twisted anticlockwise and then back within a minute so that Inhaler usage is recorded.

### Medication Reminders

Audiovisual reminders may be set up from a compatible mobile app. If enabled, the medication reminders are generated on the Hailie® sensor with increasing frequency for up to 24 minutes. until either the prescribed medication dose is taken or the reminder is cancelled. The Reminder LED flashes areen and the Hailie® sensor emits a beeping sound when the reminder alert is triggered.

To cancel the reminder, hold down the Reminder Button until you hear a beeping sound and the Reminder LÉD flashes red.

- Remove the Inhaler cap. 2. Remove the Cover of the Hailie® sensor by squeezing the Release Buttons on the base
- simultaneously.
- 3. Remove the Inhaler and put the Inhaler cap back on.
- 4. Put the Hailie® sensor Cover back on to the Base and click into place.

#### Reviewing Inhaler Usage Data

The Inhaler usage history can be automatically uploaded via a compatible paired mobile device.

The upload of new information will occur automatically as long as the Hailie® sensor is within range (10 meters or 32 feet) of the mobile device with Bluetooth® enabled.

When travelling ensure your mobile device is set to the local time zone for accuracy of Inhaler usage data.

#### Manually Uploading Stored Information

The Hailie® sensor can manually upload data to a paired Bluetooth® mobile device.

- 1. Hold down the Pair Button for 3 seconds until the Pair LED shows white, then release.
- 2. The Pair LED will flash white while the Hailie® sensor attempts to upload, then flash areen if the upload is successful.

The Hailie® sensor Pair LED will flash red if the upload is not successful. Check the Hailie® sensor is within range of the paired mobile device and ensure that Bluetooth® communications are enabled.

### Reviewing the Battery Level

The Battery LED on the Hailie® sensor indicates the battery level after detecting medication usage, or when the Battery Button is pressed once.

LED Colour	Battery Status		
Green	The battery level is good. The Hailie® sensor is monitoring inhaler usage.		
Orange	The battery level is getting low. The Hailie® sensor is still monitoring inhaler usage.		
Red	The battery is depleted. The Hailie® sensor has stopped monitoring inhaler usage.		
No Flash	The battery is depleted, or the Hailie® sensor has failed, e.g. due to liquid immersion or mechanical stress.		

The battery is not rechargeable. Once depleted, a new Hailie® sensor will be required.

### Cleaning the Hailie® Sensor and Inhaler

Check the instructions from the Inhaler manufacturer for keeping the inhaler and mouthpiece clean.

> Remove the Hailie® sensor from the inhaler before cleaning the inhaler.

Keep the Hailie<sup>®</sup> sensor clean and free of chemicals. steam, water and dust. Clean the outside plastic enclosure with a lightly dampened cloth. Check the Hailie<sup>®</sup> sensor is clean and repeat if necessary. Leave it to dry in a warm place that is less than 30°C (86°F).

> The Hailie<sup>®</sup> sensor is a battery-powered electronic device. Take care to not spill liquids on the Hailie® sensor or immerse it in water. Do not use the Hailie® sensor if it is not in good condition.

The cleaning method is intended to support single patient use. If the sensor is contaminated by another individual, it is recommended that the Hailie® sensor be discarded and replaced with a new sensor.

#### Storage

To help maintain battery capacity, store your Hailie® sensor below 30°C (86°F). Keep out of direct sunlight and avoid extreme temperatures.

The inhaler medication has its own storage recommendations. Refer to the labelling provided

## with the inhaler medication. Troubleshooting

If the Hailie® sensor is not responding to Bluetooth® communications, check the Hailie® sensor battery level as per Reviewing the Battery Level in this manual. Ensure Bluetooth® is enabled in your mobile device

Other wireless communications equipment such as wireless home network devices, mobile phones, cordless telephones and their base stations, walkietalkies, and equipment such as contactless payment or anti-theft systems, can affect the Hailie® sensor, and should be kept at least 30cm (12in) away.

Increase the separation distance between the Hailie® sensor and any such devices if this could be causing problems.

If this does not help, contact the supplier or manufacturer for further assistance.

### Customer Support com

For support on this product, go to support.hailie.

For information about your medical condition or your medication, contact your healthcare provider. **EU only:** Any serious incident that has occurred in relation to the Hailie® Sensor should be reported to Adherium and the health authority of the EU Member State where it occurred. A copy of this product manual is available on www.hailie.com/collections/hailie-sensors Servicina

## Contact the supplier or manufacturer for Hailie®

sensor servicing. Do not attempt to open or service the Hailie® sensor. Tampering with the Hailie® sensor voids the warranty.

## Disposal

Dispose of or recycle the Hailie® sensor in accordance with regulations for your country, as applicable for electronic devices containing a lithium coin cell battery. Ensure that the inhaler is removed from the Hailie® sensor prior to disposal.

**EU only:** Do not dispose of the Hailie<sup>®</sup> sensor as unsorted municipal waste. The Hailie® sensor must be recycled in accordance with Directives 2012/19/ EU and 2006/66/EC. To arrange for return or disposal of the Hailie® sensor contact the supplier.

### Warranty

The Hailie® sensor includes a 12 month warranty against manufacturing defects from date of first use. This warranty may be voided under the following circumstances; damage to the Hailie® sensor including dropping, water damage resulting from condensation or immersion, tampering, attempts to service, or other forms of abuse.

The Hailie® sensor warranty expires 4 years from date of manufacture.

#### Specifications

Model number NF0097 Usage Log Precision 1 second 5120 usage logs and sensor Usage Log Capacity status records ±1 hour after 12 months Note: the Hailie® sensor Internal Clock clock is updated every Accuracy time data is uploaded to a compatible mobile app.

Compatible with	iOS or Android mobile devices. Go to <b>support.</b> <b>hailie.com</b> for more information.	
Wireless Technology	<i>Bluetooth<sup>®</sup></i> 4.0: 2.40 - 2.48 GHz, 1.0 mW Low Energy	
Battery Type	Lithium Coin Cell, Non-rechargeable	
Shelf Life	3 years	
Service Life	l year	
Operating Temperature	0 to 40°C (32 to 104°F)	
Storage Temperature	-20 to 60°C (-4 to 140°F)	
Operating/Storage Humidity	15 to 90% RH (non- condensing) at water vapour pressure ≤ 50 hPa	
Symbols		

Read manual before use

Non-rechargeable Sensor

Temperature limit

Humidity limitation

Adherium (NZ) Limited

Manufacturer

Serial Number

Part Number

Model Number

Date of Manufacture

Country of Manufacture

Keep dry

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REF

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'e	$\bigcirc$	AU only: F	Regulatory compliance mark		
	CE	EU only: E	uropean conformity mark		
IY	MD	EU only: Medical Device			
9	X	EU only: Do not dispose Hailie® sensor as unsorted municipal waste			
	R-NZ NZ only:		Regulatory compliance mark		
	The Hailie® function who unacceptab	sensor doe ere loss or o ole risk.	ompatibility s not perform any clinical degradation would result in		
ater 50 hPa	Emissions / Immunity Test and Standard		Compliance Level		
_	Radiated E CISPR11	MI	Group 1 Class B		
	Electrostatic Discharge IEC 61000-4-2 Radiated RF EM Fields IEC 61000-4-3		± 8 kV contact, ± 2/4/8/15 kV air		
			10 V/m: 80 - 2700 MHz		
Proximity fie from RF wir communico equipment		eless ations	9 V/m: 710, 745, 780, 5240, 5500, 5785 MHz 27 V/m: 385 MHz		
	IEC 61000-4	1-3	28 V/m: 450, 810, 870, 930, 1720, 1845, 1970, 2450 MHz		
	Power frequency magnetic fields IEC 61000-4-8		30 A/m		
	receiver tha Economic D	contains a t complies evelopmen	Inada) licence-exempt transmitter/ with Innovation, Science and t Canada's licence-exempt oject to the following two		

conditions: 1. This device may not cause interference. 2 This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with the RSS-102 radiation exposure limits set forth for an uncontrolled environment

#### Déclaration de l'ISED (Canada)

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage; 2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet appareil est conforme avec les limites d'exposition de rayonnement RSS-102 établies pour un environnement non contrôlé.

#### Declaration of Conformity (EU)

Adherium (NZ) Ltd declares that this Hailie® sensor is in compliance with the General Safety & Performance Requirements and other relevant provisions of Regulation EU 2017/745.

Adherium (NZ) Ltd declares that the radio equipment type Hailie® sensor is in compliance with Directive 2014/53/EU.

EU Declarations of Conformity are available at: www.adherium.com/EUDoC



EC REP Emerao Europe

Westervoortedijk 60 6827 AT, Arnhem The Netherlands

### UK RP

Emergo Consulting (UK) Limited c/o Cr360-UL International Compass House, Vision Park Histon Cambridge CB24 9BZ United Kingdom

#### Australian Sponsor

Adherium Ltd Collins Square | Tower Four Level 18, 727 Collins Street Melbourne VIC 3008 Australia

Hailie® sensor is manufactured by: Adherium (NZ) Ltd 63 Albert Street Auckland 1010 New Zealand support@hailie.com www.hailie.com

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Symbicort (budesonide/fomoterol fumerate dihydrate), Bricanyl (terbutaline sulphate) and Turbuhaler, are trademarks of the AstraZeneca group of companies.

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