



User manual

Safera Siro R-Line and IN-Line Stove Guard



User manual

Safera Siro IN-Line and Siro R-line stove guard

Congratulations for buying the Safera Siro IN-line or Siro R-line Stove Guard. This guide describes the use and maintenance of the product. Please read these instructions carefully before installing and using the system and keep them throughout the product life cycle.

Safe and enjoyable cooking!

Manufacturer

The product is designed and manufactured by Safera Oy, a Finnish expert on home fire safety.



Safera Oy

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1. Introduction

Follow these instructions carefully and pay particular attention to the instructions marked in the following way:

▲ WARNING

Follow instructions marked with a warning accurately to prevent injury to persons and damage to property.

📄 ATTENTION

Follow instructions marked with a note carefully to prevent damage to property.

🔍 HINT

Hints give you useful hints on using the appliance.

1.1 Important Use and Service Information

▲ WARNING

The Stove Guard must be used for its intended purpose only, as described in chapter 2.1. Safera Oy is not liable for any damages caused by inappropriate use or installation of the appliance.

▲ WARNING

The Stove Guard does not replace statutory home fire alarms. Ensure that fire safety at your home follows the local regulations.

📄 ATTENTION

Only authorised Safera service personnel are allowed to service the safety system. Use only original Safera parts.

2. Stove Guard Description

2.1 Purpose of Use

Safera Stove Guard is designed to improve the safety of the cookers meant for household use (see compatibility in the Installation manual). It is highly effective against cooking fires.

Be always careful when using the cooker. Keep children away from the cooker.

Please note that the appliance is designed to prevent cooking fires. In case of a fire, you must follow appropriate procedures to prevent further damage. If necessary, call Emergency Services, explain the situation calmly and follow the instructions given to you.

▲ WARNING

Flame cooking is prohibited under the cooker hood.

Safera Stove Guard is meant for household use only. The appliance must not be used in professional kitchens or with cookers and hobs meant for professional use.

2.2 Conformity

Safera's CE marking ensures that Safera Siro conform to the required EU requirements and standards. See chapter 7.

2.3 Appliance Description

Safera Siro is delivered either as a stand-alone product (Siro R-line) as a pre-installed accessory in cooker hoods (Siro IN-line). See figure below.

- Ⓐ Central Unit (pre-installed into a cooker hood)
- Ⓑ Control panel: operating buttons and indicator lights
- Ⓒ Power Control Unit controls the power supply to the cooker
- Ⓓ Power Supply for the central unit Ⓐ

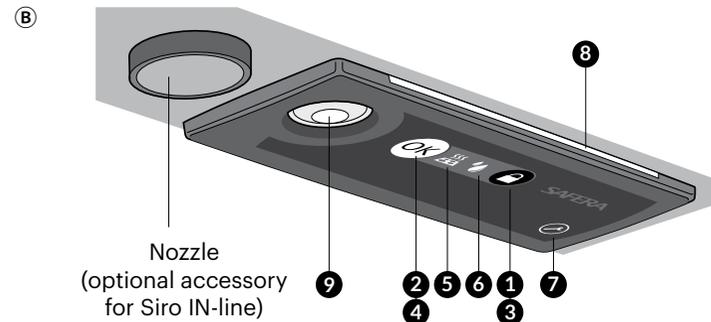
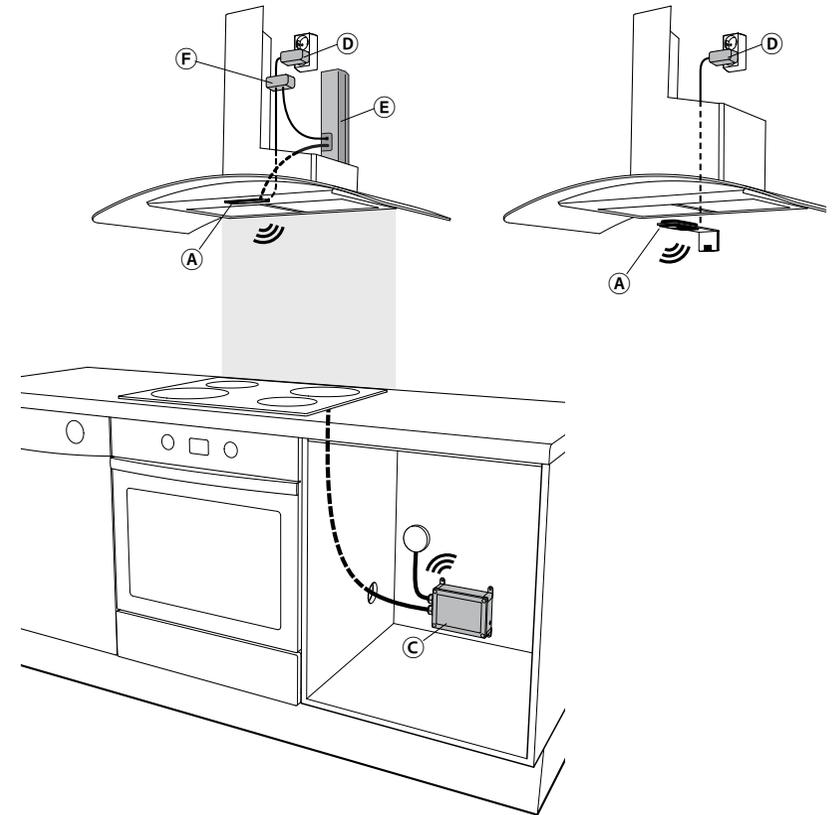
The central unit Ⓐ and the power control unit Ⓒ are connected with a wireless Safera RobustLink connection, which is designed for safety-critical applications.

2.4 Control Panel Ⓑ

- ❶ Child proof lock button
- ❷ OK button
- ❸ Indicator light for child proof lock
- ❹ Indicator light for normal activity
- ❺ Warning light for cooktop hazard
- ❻ Warning light for water leakage
- ❼ Adjustment mode button
- ❽ Indicator light panels
- ❾ Sensor

Siro IN-Line

Siro R-Line



3. Using the Stove Guard

Safera Stove Guard observes the temperature changes and the use of the cooker. The Stove Guard automatically gives an alarm and switches off the cooker and the oven in a hazardous situation based on temperature changes and also if

- the cooker is left on for over 3 hours without anyone using it,
- the cooker has been on for over 5 hours, or
- the oven has been on for over 12 hours without anyone using it.

3.1 Setting the Alarm Limit

To ensure safe and reliable operation, you need to set the alarm limit to match the location of the cooker in the kitchen. The alarm limit may also be adjusted in case of frequent false alarms. See Installation manual for further information.

▲ WARNING

The Stove Guard is controlling the oven only if the oven is connected to the power control unit (C).

The cooker's hot-hob indicators do not work after the Stove Guard has switched off the cooker. The hobs may still be hot.

▢ ATTENTION

The Stove Guard is designed to avoid raising unnecessary alarms. This means that it allows the temperature to rise quite high during cooking without raising an alarm. It does not sound an alarm until it looks like the situation may cause danger to the surroundings.

3.2 The Child Proof Lock



It is not possible to use the cooker or the oven, when the indicator light for child proof lock (5) is on and light panels (8) lit orange. You can switch the lock on or off by pressing the child lock button (1).

3.2.1 Automatic Child Proof Lock

If the automatic child proof lock is in use, it will switch on automatically either

- approx. 10 minutes after using the cooker or
- approx. an hour after using the oven.

By default, automatic child proof lock is disabled. You can enable the automatic child proof lock by pressing and holding the child lock button (1) for 5 seconds until you hear two high beeps (**). This way you can also disable the automatic child proof lock (one low signal).

3.2.2 If the child proof lock has prevented cooker use

If the indicator light for child proof lock (5) and light panels (8) are lit orange, someone has tried to use the cooker or the oven while the child proof lock was on. As a result, the cooker and oven power was switched off. First turn all the hob switches in the zero position. After that, you can return the power by pressing the child proof lock button (1).

3.3 Cooker danger



Warning for dangerously hot cooker or for leaving the cooker or the oven on for too long. An alarm is sounded and light panels (8) are flashing red. The Stove Guard switches off the cooker and the oven in 15 seconds. When you hear the alarm:

1. Check the situation calmly. If there is no danger, you can prevent the cooker power switch off by pressing the OK button (2) during the alarm and continue with cooking.
2. If you do not press the OK button during the alarm, the Stove Guard will switch off the cooker and the oven: after switch off a repetitive signal is sounded and the warning light (5) is lit and the light panels (8) are blinking red.
3. When there is no more danger, you can return the power to the cooker and oven by pressing the OK button (2). First, turn the hob switches to the zero position.
4. Ensure that the hazardous situation will not recur.

▢ HINT

If the case of frequent false alarms, you can raise the alarm limit, see 3.1.

3.4 Fire extinguisher (optional)

If the stove guard is equipped with the optional extinguishing unit (E), it will first try to prevent the fire according to chapter 3.3 and if still needed, it will also trigger the extinguisher unit (E) in 15 seconds. Before extinguishing, a quick repeating alarm is sounded and the indicator light (5) and light panels (8) are blinking red.

When you hear the alarm: proceed according to the chapter 3.3 or if the Stove Guard is equipped with the Extinguisher Unit (E), follow these instructions:

1. Check the situation calmly. If needed, call Emergency Services. If there is no danger, you can stop the power from switching off by pressing the OK button (2) during the alarm and continue with cooking.
2. If you do not press the OK button during the alarm, the Stove Guard will switch off the cooker and the oven and will launch the extinguishing. Then a short repetitive signal is sounded and the warning light (5) blinks.
3. You can acknowledge the extinguish by pressing the OK button (2). Before touching the cooker surroundings covered with fire extinguishing agent:

▲ WARNING

Turn off the power supply for the cooker from the fuse table to avoid electric shock.

▲ WARNING

To avoid burns, check that the cooker surroundings have cooled down. Before cleaning the cooker area, check that there are no hot items, such as pots or liquids, around and that all hobs have cooled off.

4. Wipe the cooker dry with a moist cloth or paper towel.

▲ WARNING

Avoid direct contact of the fire extinguishing agent with eyes and mucous membranes. If contact occurs, follow the instructions in the Material Safety Data Sheet.

📌 ATTENTION

Use cleaning gloves when handling the fire extinguishing agent.

The fire extinguishing agent is harmless to the environment when diluted. Please flush the agent down the drain with at least 10 litres of water. Rinse the used towels and throw them away in mixed garbage.

Dry the cooker area carefully, especially from behind and underneath the cooker.

5. Air the house thoroughly to ensure that no fire gases remain inside.
6. Before using the cooker:

▲ WARNING

Make sure that the fire extinguishing agent has not damaged the electrical safety of the cooker.

📌 HINT

You can return the power by pressing the OK button ②. First, turn the hob switches to the zero position.

7. Please contact Safera product support to replace the Extinguisher Unit ⑤. The indicator light panels ③ stay constantly lit until the extinguisher unit has been replaced. Other safety features are still in use.
8. Make sure that the appliance is serviced after the fire extinguisher has been used (see Service).

▲ WARNING

Note that the Stove Guard is designed to start the extinguishing of fire, so you must call Emergency Services if the situation so requires, and make sure the fire has been put out. Ensure that the situation will not recur.

The Stove Guard may not be able to extinguish difficult fires. In case of a cooktop fire, act according to the instructions given by the authorities.

Do NOT keep electric appliances right next to the cooker. The fire extinguisher agent may cause them to malfunction. Also, an electric shock is possible. If an electric appliance has got covered with the fire extinguishing agent, remove it from the electrical network, and, before use, make sure it does not cause a electric shock hazard.

The Stove Guard can only extinguish the fires on the cooker, not those in the oven or elsewhere in the kitchen.

📌 ATTENTION

Do not bring a hot dish into contact with the central unit ①, because it may cause an extinguishing alarm.

If the flame is a small one which will die down quickly on its own, the automatic fire extinguisher is not triggered, as it would be unnecessary.

3.5 Water Leakage Detector (optional)



Safera Stove Guard can be equipped with max. four water leakage sensors. When the sensors get wet for example because water drips on them, the detector will sound an alarm with far-spaced signals and light panels ③ are blinking blue.

When you hear the water leakage alarm:

1. Reset the alarm by pressing the OK button ②.
2. Before continuing, make sure the power supply for the cooker is turned off.
3. Find out what caused the alarm and take care of the water leakage.
4. Clean and dry the sensor ⑥.

📌 HINT

If the sensor is left wet, the appliance will give another alarm in 8 hours after signing off the previous one.

4. Maintenance

To ensure continued safe and reliable operation, please follow the instructions in this chapter. When the appliance is in working order and in normal mode, the indicator light for normal activity ④ blinks every five seconds.

📌 ATTENTION

If the light panels ③ are lit red, the appliance is faulty. See section Troubleshooting.

4.1 Regular maintenance

Wipe the central unit ① with a cloth moistened with water or a mild detergent, such as washing up liquid, once a month. Avoid pressing the appliance buttons and sensors.

Do the installation check-list according to installation manual every three months.

📌 ATTENTION

Do not use coarse or abrasive materials to clean the central unit ① or the control panel ②.

4.2 Service of the Extinguisher Unit ⑤

The Extinguisher Unit ⑤ needs to be replaced with a new one after every 5 years. Also after an extinguishing the Extinguishing Unit must be replaced and the Stove Guard serviced: please contact your retailer or the Safera product support. The service date is marked on the bottom of the cooker hood, next to the central unit ①. The Extinguishing Unit ⑤ is also marked with its manufacturing date.

5. Troubleshooting

If the light panels **3** are lit red, the appliance is faulty. Press the OK button **2** to find out the problem type by the indicator lights:

Light panels **3** blinks blue:

- **Blinks once:** Problem with wireless connection.
- **Blinks twice:** Problem with power control unit **C**.
- **Blinks three times:** Power control unit **C** over-heating.

Light panels **3** blinks yellow:

- **Blinks once:** Problem with sensors **6**.
- **Blinks twice:** Problem with sensor unit **A**.
- **Blinks three times:** Faulty installation position of the sensor unit **A**: see remedy on the table below.

Light panels **3** blinks red:

- **Blinks once:** The service life of the extinguisher unit **E** is full. Please contact your vendor or Safera product support..
- **Blinks twice:** The extinguisher unit **E** or its connection cable is faulty.
- **Blinks three times:** The extinguisher unit **E** is empty.

Light panels **3** blinks purple:

- **Blinks once:** Connection hub **F** is or its connection cable is faulty.
- **Blinks twice:** Connection hub **F** failure
- **Blinks three times:** The power supply **D** is faulty.

Please contact your vendor support if you cannot solve your problem with these instructions:

Problem	Remedy
Cooker cannot be switched on	Check whether the child proof lock is active. The lock stops the use of the cooker. For instructions, see chapter 3.2.
The appliance repeatedly gives false (the warning light for cooktop hazard 5 is on).	Test the working order according to installation manual step 6/6. If the appliance is in working order, but the Stove Guard gives repeatedly false alarms, you may adjust the alarm limit of the appliance. See installation manual step 5/6.
The appliance repeatedly gives false alarms, especially when the oven is in use.	There may have been a mistake in the calibration of the appliance. See installation manual step 3/6.
The indicator light for normal activity 4 does not blink every five seconds.	There may be a problem with the power supply D . Ensure that the power supply D is connected correctly to the wall socket and that the socket has power. If the problem is not solved, remove the Stove Guard from the electrical network and contact your vendor.
The appliance repeatedly gives out water leakage alarms.	For instructions, see chapter 3.4. If the alarms recur, take off the fuses for the cooker and the oven. Check that the leakage sensors are correctly connected. Put back the fuses.
The light panels 3 are lit purple.	The Stove Guard is waiting for installation. See installation manual.

6. Specifications

Central Unit

Power supply	230 V ~ 1 N, 47-60 Hz Output voltage of the power source 5 V 1 A
Power consumption	1 W
Wireless connection	Safera RobustLink 2,4 GHz. Range 10 – 100 m, depending on the building structure
Pollution degree	2

Power Control Unit

Compatibility	Most electric cookers and hobs used in private homes. See specific compatibility on the label of the power control unit ③.
Power supply	See the label of the power control unit ③.
Power consumption	2 W (PCU6.3 = 4 W)
Control type	According to IEC/EN 60730 - 1 : Type 1.B
Pollution degree	2
Impulse voltage rating	4 kV
Operational ambient temperature	See the label of the power control unit ③.
Ball pressure test rating	100 °C
PTI of insulation materials	175...400

Designed number of automatic actuations	6000
IP class	See power control unit
Extinguisher Unit (optional)	
Compatibility	Typical cooktop fires, including grease fires
Power supply	5 V
Power consumption	0 W, in an extinguishing situation 5 W
Fire extinguishing agent	0,4 l Fettex, a class F fire extinguishing agent
Dimensions	70 x 70 x 350 mm
Service cycle	5 years
The fire extinguishing agent's service life	10 years

7. CE-conformity

Safera Oy declares that Safera Siro is compliant to the following EU directives and standards: EN 50615:2015 Category B and AB(55 cm installation height, 4 plates 60 cm cooktop), 2014/35/EU, 2014/30/EU, 2011/65/EU, 2012/19/EU, 1999/5/EC, 2014/53/EU, EN 60730-1:2011, EN 60335-1:2012, EN 60335-2-31:2012, EN 300 328 (V1.8.1), EN 301 489-1: 2011 (V1.9.2), EN 301 489-17: 2009 (V2.1.1), ETSI EN 300 440-2 (V1.4.1), EN 55014-1:2006 / CISPR 14-1, EN 55022:2010, EN 61000 -family, EN 50581:2012.



Espoo Finland 31.10.2017
Erkkä Suvikumpu, CEO

8. Warnings and Limitations of Liability

▲ WARNINGS

EVEN IF A SAFERA PRODUCT IS USED, THE END USER MUST ALWAYS USE THE COOKER, OVEN AND OTHER OBJECTS POSSIBLY SUPERVISED BY A SAFERA PRODUCT RESPONSIBLY AND SAFELY, AND THE END USER MUST CONSTANTLY SUPERVISE THEIR USE. A SAFERA PRODUCT IS NOT A SUBSTITUTE TO AND DOES NOT REPLACE THE FIRE ALARMS REQUIRED BY LAW AND DOES NOT NECESSARILY PREVENT FIRE OR PREVENT OR REDUCE ANY OTHER DAMAGE AND DOES NOT NECESSARILY GIVE AN ALARM OF ANY DAMAGE OR A RISK THEREOF. THE END USER MUST ALWAYS TAKE CARE OF FIRE SAFETY AS SET FORTH IN REGULATIONS. A SAFERA PRODUCT MUST BE USED ACCORDING TO ITS USER MANUAL.

▲ WARNINGS

THE SAFERA PRODUCTS DO NOT DIMINISH OR REMOVE THE END USER'S RESPONSIBILITY TO FOLLOW THE APPLICABLE REGULATIONS OR AUTHORITIES' ORDERS OR THE RESPONSIBILITY TO ACT WITH DUE CARE TO AVOID DAMAGE TO PROPERTY AND PERSONS. THE END USER IS RESPONSIBLE FOR MAINTAINING IN FORCE ITS INSURANCES FOR PROPERTY AND PERSONS. SAFERA SHALL NOT BE LIABLE FOR ANY DAMAGE TO PROPERTY OR PERSONS OR FOR ANY MONETARY OR FINANCIAL DAMAGES CAUSED BY THE FUNCTIONING OR NON-FUNCTIONING OF

A SAFERA PRODUCT, TO THE EXTENT THE MANDATORY LAW ALLOWS THIS KIND OF DISCLAIMER.

To the extent mandatory law does not prohibit the following provisions:

- (a) The Distributor's warranty and other terms govern the sole right of an end user to make claims based on defects in the Safera products, and such claims shall be made towards the Distributor;
- (b) Safera is not liable for loss of income or other indirect or any other damages that are difficult to predict;
- (c) Safera's liability, including price returns and reductions, is limited to the Safera product's purchase price, which has been paid to Safera for the respective Safera product.

9. Safera's Warranty and License Terms and Conditions

9.1 Applicability of the Warranty

Safera Oy ("Safera") gives to its new products ("Product") a limited manufacturer's warranty to end users of the Product in accordance with these Safera's Warranty and License Terms and Conditions. The warranty applies to the Defects (as defined in Section 6) covered by the warranty, which are notified to Safera during the warranty period. This limited warranty does not limit a consumer's right to claim the rights according to the mandatory applicable consumer protection legislation.

9.2 Start of the Warranty Period

The warranty period starts from the date of the first purchase of the Product. In case the Product has been installed ready to a new apartment, the date of the purchase shall be deemed to be the date of first purchase of the apartment. In case the Product is installed by the end user, the end user shall inspect the Product prior to the installation and without delay inform the seller of the Product about the defects or errors in the Product or its delivery.

9.3 Warranty Period

The warranty period shall be twenty-four (24) months.

9.3.1 Warranty to a Repaired Product

Warranty for a Product that has been repaired or replaced shall be the original warranty period of the Product which was repaired or replaced.

In addition, Safera gives to the spare parts used in the warranty repair of the Product an additional three (3) months warranty starting from handing over of the warranty repair. Otherwise warranty repair does not extend the original warranty period.

9.4 Work Included in the Warranty

Based on the warranty the Defects covered by the warranty will be repaired or the Product will be replaced (as Safera selects) without expense, provided that Safera was informed about the warranty claim during the warranty period. The repair or replacement will be made within a reasonable time during normal working hours in Safera's repair shop, in a repair shop authorized by Safera or in other place designated by Safera, such as in the premises where the Product is installed.

9.5 How to Act

For the warranty service, the end user shall contact primarily the seller of the Product. The end user may also contact Safera or a repair shop authorized by Safera. Information about the warranty service is in the Product's user manual or on Safera's website.

Safera, the seller of the Product or a repair shop authorized by Safera (de-

pending on with whom the end user is in contact) informs the end user of how and when the warranty repair will be performed. In case this has not been informed to the end user within a reasonable time, the Product shall be delivered to the nearest Safera's repair shop or a repair shop authorized by Safera.

The original parts which have been replaced under the warranty shall be Safera's property and shall be delivered to Safera.

9.6 Preconditions for Warranty Repair

Warranty is valid on condition that the Product has a defect attributable to material or manufacturing or it otherwise does not substantially conform to its written specifications ("Defect") and that:

- (a) the Defect has been noticed in usage conditions deemed normal and it can be reproduced in such conditions,
- (b) the instructions for installation, use and maintenance have been followed,
- (c) the Product has been maintained or repaired by using original spare parts and supplies,
- (d) the warranty claim is made by the owner of the Product or its representative,
- (e) the owner of the Product or its representative notifies the Defect during the warranty period and within a reasonable time after noticing it, and shall be responsible for the Product's condition until it has been handed over for repair. Upon the handing over Safera shall be given

a declaration about the Product's purchase date, order references, itemization of the Defect and description of the Product's usage conditions.

In the event it is noticed, that the Defect is not covered by the warranty, Safera has the right to charge for the work and the expenses caused by searching and location of the Defect or error according to Safera's valid price list. Safera has also the right to charge the end user for an agreed repair of the Defect or error not covered by the warranty.

For the avoidance of doubt it is stated, that marketing materials are not Product specifications.

9.7 Limitations of Warranty

The warranty does not cover:

- (a) repair of Defects, which are due to normal wear and tear, failures in installation, use or maintenance, faulty or deficient repair made by others than Safera or a repair shop authorized by Safera, usage conditions in contradiction with the instructions or choosing by end user of a Product that is not suitable for the use in the premises where the Product is used or is wrong size or capacity;
- (b) repair of Defects, in case the Product has been repaired or modified by others than Safera's repair shop or a repair shop authorized by Safera;
- (c) repair of a Defect caused by external factors, such as accident, fluctuation of electricity or air conditioning, thunder, fire or water;

- (d) use of the Product in combination with any other product not accepted by Safera in the user manual or otherwise in written form, or usage in usage environment not accepted by Safera in the user manual or otherwise in written form.

9.8 Software License

The software included and/or embedded in the Products may be used only as integrated in the Products when using the Products in their designed use. The software may not be separated from the Product, or used separately from the Product or used in connection with the use of other products or as part of other products. The software may not be

- (a) copied or otherwise reproduced (possible reinstallation shall be performed by Safera or a repair shop authorized by Safera),
- (b) modified, disassembled, decompiled or reverse engineered or
- (c) delivered to third parties other than as part of the Product when assigning the Product's ownership.

The end user is granted only the right to use the software in accordance with this provision. Copyright and other intellectual property rights in and to the software shall belong to Safera.

9.9 Dispute Resolution

These terms shall be construed in accordance with the laws of Finland excluding its choice of law provisions and the UN Convention on Contracts for the International Sale of Goods.

To the extent the mandatory applicable

legislation does not regulate otherwise, all disputes arising out of these terms shall be finally settled under the Rules for Expedited Arbitration Board of Arbitration of the Central

Chamber of Commerce of Finland by one (1) arbitrator appointed by the said arbitration institute, in English language. The arbitration shall take place in Helsinki, Finland.

Notwithstanding the above, Safera shall be entitled to seek equitable and/or injunctive relief in court of law of end user's or Safera's domicile.