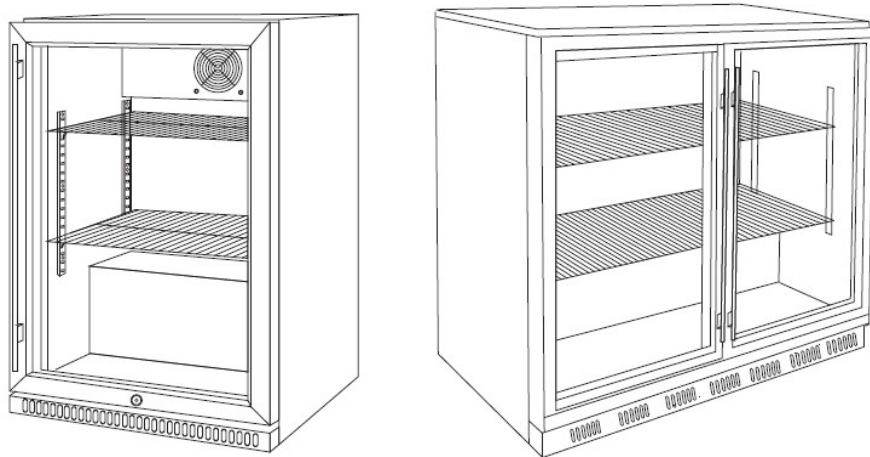


Fridge Operation Manual



**Models SK90 SK92 SK116 SK126 SK141 SK146
SK156 SK206 SK245 SK246 SK386**

This appliance is intended to be used in household and similar applications including use in commercial settings.



SCHMICK 
Australia

General Safety Instructions

READ CAREFULLY AND KEEP FOR FUTURE REFERENCE

Read this manual thoroughly before first use, even if you are familiar with this type of product. The safety precautions enclosed herein reduce the risk of fire, electric shock and injury when correctly adhered to. Keep the manual in a safe place for future reference, along with the completed warranty card, purchase receipt and carton. If applicable, pass these instructions on to the next owner of the appliance.



Pay particular attention to messages that follow this safety alert symbol or the words **DANGER**, **WARNING** or **CAUTION**. These words are used to alert you to a potential hazard that can seriously injure you and others. The instructions will tell you how to reduce the chance of injury and let you know what can happen if the instructions are not followed.



This symbol alerts you to take care as the appliance contains flammable materials: isobutane as refrigerant and cyclopentane as insulation blowing gas. While isobutane (R600a) is a gas with a high level of environmental compatibility, it is nevertheless flammable. Do not expose the appliance to high heat, sparks and open flames. During transport and installation, ensure that none of the components of the refrigerant circuit become damaged.

Refrigerant matters

WARNING: Do not damage the refrigerant circuit! Never use an appliance with a damaged refrigerant circuit! If the refrigerant circuit becomes damaged, avoid proximity to open fires and all types of heat and ignition sources. Thoroughly ventilate the room in which the appliance is located. The room for installing the appliance must be at least 1m³ per 8g of refrigerant. The amount and type of refrigerant in the appliance can be found in the Technical Specifications on the 'Basic Instructions Page' and on the appliance rating plate.

It is hazardous for anyone other than an authorised service person to service this appliance. In Queensland, the authorised service person **MUST** hold a Gas Work Authorisation for hydrocarbon refrigerants to carry out servicing or repairs which involve the removal of covers and the opening of refrigeration piping system.



Responsible disposal

At the end of its working life, do not throw this appliance out with your household rubbish. Electrical and electronic products contain substances that can have a detrimental effect on the environment and human health if disposed of inappropriately. Observe any local regulations regarding the disposal of electrical consumer goods and dispose of it appropriately for recycling and recovery of the refrigerant and blowing agent. Contact your municipal authorities for advice on recycling facilities in your area.

WARNING! This refrigeration appliance contains flammable refrigerants and insulation blowing gases, which must be removed before disposal. Contact your municipal authorities for any codes or regulations concerning the disposal of such materials. **DANGER!** Risk of child entrapment: When discarding this or another refrigerator, make sure to take off the door and leave the shelves/racks/drawers in place so that children cannot easily climb in and get trapped inside.

Electrical safety

- **Voltage:** Plug the appliance in a 220-240V, 50Hz, properly earthed power outlet, which must be in good working order. Make sure your outlet voltage and circuit frequency correspond to the voltage stated on the appliance rating label.
- **Power connection:** Do not use an adaptor; do not use an extension cord. Plug the power plug directly into a separate power point that cannot easily be turned off accidentally, and that is easily accessible so you can switch it off when required.
- **Power cord:** Do not kink or damage the power supply cord. Do not leave it exposed or dangling. Secure it behind the appliance so no one steps on or places anything on the power supply cord or against it. A squashed or damaged power plug may overheat and cause a fire.

- **Damaged cord:** Do not use a cord that shows cracks or abrasion damage along its length or at either end. Any damage to the cord may cause a short circuit, fire and/or electric shock. If the power cord is damaged, it must be replaced by the manufacturer or its service agent. Contact the service department on **1300 376849 (Ext2)** or email **vicservice@bar-fridges-australia.com.au**
- **Disconnection:** Never unplug the unit by pulling the cord. Always grip the plug firmly and pull straight out from the power point.
- **Electrical work:** If the installation of this appliance requires any electrical work, make sure it is carried out by a qualified electrician.

General Safety Instructions (Continued)

Usage conditions and restrictions

- **Indoor domestic and/or commercial use:** This appliance is intended for indoor domestic use or industrial / commercial.
- **Intended purpose:** Do not use this appliance for anything other than its intended purpose, and only use it as described in this manual. Do not attempt to alter or modify this appliance in any way.
- **Usage restrictions:** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
- **Children:** Supervise children to ensure they do not play with the appliance. Close supervision is necessary when any appliance is used by or near children. Never allow children to operate, play with or crawl inside the appliance.
- **WARNING!** Do not use any electrical appliances (such as ice cream makers) inside refrigeration appliances, unless they are approved for this purpose by the manufacturer.

Cleaning and maintenance

- **Disconnect:** Unplug the appliance before cleaning or servicing. Failure to do so can result in electric shock, injury or death. Do not connect or disconnect the plug when your hands are wet.
- **Flames:** Do not let open flames or ignition sources enter the appliance.
- **Flammable/explosive substances:** Never clean this appliance with flammable fluids. Do not store or use volatile, flammable or explosive substances such as aerosol cans with a flammable propellant in or close to this or any other appliance. The fumes can create a fire hazard or explosion.
- **Solvents:** Do not use solvent based cleaning agents or abrasives on the interior as these may damage or discolor the surfaces of the appliances.
- **Door Seal:** Use eucalyptus oil twice a year with clean cloth to wipe and clean the 'door seal'.
- **WARNING!** Do not use mechanical devices or other means to accelerate the defrosting process. Never use a sharp or metal instrument to remove frost or clean the appliance. Use a plastic scraper, if necessary.
- **Service:** Do not attempt to repair, modify or replace any part of the appliance unless specifically recommended in this manual. Refer all other servicing to a qualified technician, or contact the sales support line for advice on examination or repair of the appliance on **1300 376849 (Ext2)**, you can also email on **vicservice@bar-fridges-australia.com.au**
- Do not use sharp objects for cleaning. Do not use high pressure water
- Clean the inside cabinet of cooler with a clean damp cloth or with neutral soap. Avoid damage by never using abrasive or flammable cleaning products.
- If you have purchased a stainless steel model, please see stainless steel care guide supplied with purchase.

- Clean the condenser every 6 – 12 months with a vacuum cleaner or a brush to eliminate the dust accumulation. This is located at rear of unit at the bottom and is the big wire part, you need to remove the rear panel for access. An indoor unit will not need as much attention.



Storage inside the cabinet

- It is 100% not recommended to store blood or special pharmaceuticals in the fridge, warranty does not cover 'contents' in any circumstance
- Keep drinks at least 1cm away from walls to allow better air flow

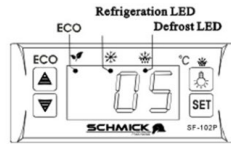
Installation

- Heavy: This appliance is heavy, take care when moving it. To avoid back or other injury, consider a two person lift or mechanical aid when installing it. Failure to do so can result in back or other injury.
- Built In & Freestanding design: This appliance is designed to be 'built into' cabinetry or freestanding, ****Note:** Front venting bottom grill must be kept clear at all times, you cannot have cabinet doors in front of fridge doors, call us for options if this is what you want to do.
- Keep it upright: Do not tilt the fridge more than 45° from upright when moving it.
- Handle with care: Do not apply force to any part such as the condenser or door, don't carry holding door.
- **WARNING!** Ventilation: To ensure proper ventilation, keep any ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstructions. Ensure adequate air circulation around the appliance to prevent overheating.
- When positioning the appliance ensure the supply cord is not trapped or damaged.
- Do not locate multiple portable socket outlets or portable power supplies at the rear of the appliance.
- Level: Install the appliance level in order to ensure proper operation. If necessary, adjust the levelling legs at the bottom of the unit.
- Location: Install the appliance in an area that meets the following requirements:
 - The ambient temperatures must correspond to the climate class (T) indicated on the rating plate of the appliance: 16°C to 43°C.
 - The floor must be sturdy, level and strong enough to support the unit when fully loaded, avoid area's where the appliance would be exposed to direct sunlight, sources of heat, (stove, heater, radiator, etc.), extreme cold ambient temperatures or excessive moisture and high humidity (such as outdoors or exposed to wind, rain water spray or drips). Installing it in the coolest area of the room will the room will save energy consumption and running costs.
- Avoid positioning anywhere where water can penetrate 'under' or on 'top' of the cooler. It could cause damage to the internal workings and is potentially dangerous.
- When In Position: Allow 30minutes and turn "ON".

The importer is not responsible for damages or accidents arising from the misuse or disregard of electrical laws relevant to the country where this product is used.

Fridge Basic Instructions

1. Unit is ready to plug in.
2. Thermostat is electronic control, there are 2 x versions used in this range, see pages 6 & 7 for full details of operation.



3. All shelving is fully adjustable and is heavy duty design, more shelving available upon request.
4. Depending on 'model' purchased the switches at rear control heated glass (on/off) and fan speed (high/low), some just have heated glass switch, fan speed is for area's over 38oC where 'high' is better for operation.



5. For warranty enquiries and claims please either phone 1300 376849 Ext 2 Mon > Fri 8:30AM > 4:30PM, or simply email Vicservice@bar-fridges-australia.com.au
6. Things you need to know;
 - a. Unit can chill to about 0oC, great for cold drinks.
 - b. Unit is compressor driven and you will hear this running if near the fridge.
 - c. Unit has refrigeration gas running through piping, this sometimes if you are close to unit, may sound like 'gurgling' and is normal operation.
 - d. Do not place in direct sunlight or build in behind a cupboard door.
 - e. Ensure door is closed properly after opening.
 - f. *Units 'cycle' up/down during normal operation, so led display 'fluctuates' about 4oC from SET temperature. Unit goes into defrost mode every 4 hrs, display may rise high during this period, it doesn't mean drinks are the display temp, drinks stay cold.

Specifications

Model	SK86	SK92	SK116	SK126	SK141	SK146	SK156	SK206	SK245	SK246	SK386
Climate Class	T (Tropical) 43oC										
Storage Temp	0-10oC (Maximum Ambient 43oC)										
Anti Shock Protection Class	I										
Gross Capacity (litres)	90	101	121	132	158	164	164	233	273	257	399
Voltage / Frequency	220/240V / 50Hz										
Input Power (Watts)	116	143	143	153	155	155	154	202	203	202	275
Led Light (Watts)	8	10	10.5	10.5	10.5	11.9	11.4	13.8	14.8	13.8	16.9
Refrigerant R600A (g)	20	36	38	45	45	52	49	85	85	84	115
Weight (Kg) - Black	36	36.5	43.5	42.5	46	48	47	78	82	83	128
Weight (Kg) - S/Steel	37.5	38	45	43.5	48	50	49	80	84	84	131

Controller Operations

****Note: 2 x versions of controller are used depending on supply chain issues.**

Danfoss ECO Controller



Operation

Programming Tools

The controller can be configured in four ways:
Using:

- KoolProg and KoolKey as Gateway
- KoolKey as Copy key
- KoolKey with Docking station
- Buttons on the front panel of the controller.

All these tools are supplied separately.
For technical literature and further information,
please contact your local Danfoss representative.

Manual operation with buttons (Direct Access)

1 Press: variable direct function, e.g. "ECO"/"Night mode"
Sub function: back

1 Press: variable direct function, e.g. light
Sub function: "OK"



1 Press: temperature set point
Sub function: "up"

1 Press: temperature set point
Sub function: "down"

Examples

Changing the Desired Temperature Set point:

1. The display shows the current temperature.
2. Press "up/down" to access set point.
3. Press "up/down" to adjust set point.

After 30 seconds, the display automatically reverts to showing the current temperature

Turning ON/OFF the ECO Function:

1. Press "ECO".

The green "ECO" symbol is lit when in "ECO" mode.

Turn ON/Off the Light:

1. Press the "Light" button.

Acknowledging Alarms:

1. Display Flashing the alarm message.
2. Press any button to acknowledge.

Password protection:

1. Press "up" and "down" together and hold 5 seconds to access the menu.
2. The display shows "PAS" (only if configured for password protection).
3. Press "OK".
4. Press "up"/"down" to the code.
5. Press "OK".

Password protection on three levels:

1. Level 1: "shop" (daily use by shop personnel).
2. Level 2: "ser" (service technician).
3. Level 3: "OEM" (OEM programming).

Changing a Parameter

Some parameters may be hidden to you.
Your access level will determine which parameters you can view and edit:

1. Press "up" and "down" together and hold 5 seconds to access the menu.
2. First parameter group is shown "tHE".
3. Press "up" and "down" to find the desired group.
4. Press "OK".
5. First parameter is shown.
6. Press "up" and "down" to find the desired parameter.
7. Press "OK".
8. Press "up" and "down" to find the desired setting.
9. Press "OK".

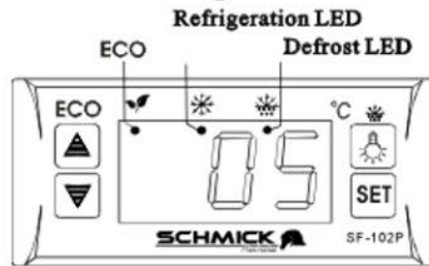
After 30 seconds, the display automatically reverts to showing the current temperature.
Or Press 2 x "Back".

NOTE:

Incorrect parameter settings can lead to inadequate cooling, excessive energy consumption, unnecessary alarms and in the case of temperature-sensitive food storage, breaches in food hygiene principles and regulations.
Only a trained operator should make changes to parameters.

If you set your fridge to 0, your fridge will cycle from 0 – 4 and keep your drinks around 2 degrees Celsius

Normal digital thermostat controller



Blue digital display

Features of Function

- Mini-sized and integrated intelligent control and applicable to the compressor of one HP. (Include 1HP)
- Temperature Display/ Temperature Control/ Manual, automatic defrost by turning off compressor / Time/Temp. Setting to end defrosting/Value Storing/ ECO energy saving function/Self Testing

Front Panel Operation

1. Set temperature (compressor stop temperature) adjustment
 - Press **SET** button, the set temperature is displayed.
 - Press **▲** or **▼** button to modify and store the displayed value. Press **SET** button to exit the adjustment and display the cold room temperature.
 - If no more button is pressed within 6 seconds, the cold room temperature will be displayed. (Set temperature adjustment range: parameter E1~E2)
2. Start/Stop ECO (energy saving) mode: Press **▲** button (ECO) for once can start or stop ECO function, with memory function.
3. Switch light: Press **Light** button for once, can start or stop the light. When powering off can memorize the light.
4. Refrigeration LED: During refrigeration, the LED is on; When the cold room temp. is constant, the LED is off; During the delay process, the LED flashes.
5. Manual start/stop defrost: Press **Light** button and hold for 6 seconds to defrost or stop defrost.
6. Defrost LED: during defrosting, the LED is on; During the delay display after defrost, the LED flashes.
7. Parameter setup
 - Press **SET** button and hold for 6 seconds to enter the parameter setup mode while E1 flashes. Press again **SET** button can check the table parameters in sequence. When checking the table parameters, press **▲** or **▼** button, the value of parameter will be displayed and can be modified and stored.
 - When displaying the parameter code, press **▲** or **▼** button can change the code, displays sequentially from: E2,E3...F2,F4,L1,CF or CF,L1,F4,F2,F1,E5,E4,E3,E2,E1.
 - Press **Light** button to exit operation of the parameters or if no more button is pressed within 6 seconds, it will return to normal operation.

Parameter	Function	Set range	Default	Parameter	Function	Set range	Default
E1	Lower set point limit	-05℃~Set temp. 23°F	00℃ 32°F	F1	Max. Defrost duration	01~60Min	20Min
E2	Higher set point limit	Set temp.~45℃ 113°F	18℃ 64°F	F2	Defrost interval time	00~24Hr	6Hr
E3	Temp. Hysteresis	01~10℃ 02~18 °F	04℃ 07 °F	F4	Display during defrost	00=Normal display 01 = Last value before defrost 02=Display dEF	02
E4	Comp.start delay time	00~10Min	2Min	L1	Energy saving and temp.control increment	01~10℃ 02~18 °F	04℃ 07 °F
E5	Offset on room temp.	-20~20℃ -36~36°F	00℃ 00°F	CF	Temperature unit	℃=Celsius °F= Fahrenheit	℃

8. Lock parameters

Press **▼** button and hold for 6 seconds to lock the parameters if "OFF" is displayed, or to unlock if "On" is displayed. Parameter can be displayed only and can not be modified if locked, but the adjustment of the set temp. is still active. (The factory default is "On")

9. The factory default resumption: press **▼** button and **▲** button simultaneously for 6 seconds, "888 " flashes, all parameters will be resumed as same as factory defaults. After 6 seconds, it returns to normal operation.

Trouble Shooting / Basic Info

There are basic things you need to look and check before trying to initiate a technician call out for warranty circumstances.

*This link may also help, it is our Knowledge Base where you can troubleshoot.

<http://kb.bar-fridges-australia.com.au/>

Noise

If your unit has become noisy, please check the following;

- Can you ascertain exactly where the noise is coming from? It may be a loose screw or part of the fridge that is now vibrating and is easy to fix.
- Is the compressor / fridge level, a compressor not level will make a 'clunking' noise on start-up and shut down.
- Does the fan sound noisy? It may be as simple as needing slight adjustment or you may see ice build up near the fan inside.

Not Cooling

All of a sudden unit has stopped cooling.

- Does the compressor run? Make sure compressor is running, if it is running and still not cooling and you have a warm fridge then there may be a gas problem and technician will be needed.
- Have you got the thermostat set correct? Or has it been altered or changed.
- Is your door sealing properly, check all the way around door seal to make sure it is seating correct on fridge body, small gaps won't affect cooling.
- Check inner and rear fans are going

Compliance

All units have been registered under section 43 of the new Greenhouse Minimum Energy Standards ACT, using ISO23953-2 Testing Standard (GEMS).

This product has been fully tested and meets all requirements as set out by electrical and safety standards AS/NZS 60335.1 and AS/NZS 60335.2.24



The RCM Mark (Regulatory Compliance Mark) indicates that the product complies with the relevant guidelines of the ACMA as well as corresponding government requirements for the safety of electrical devices.



WARRANTY - Unit comes with Australia wide 24Month comprehensive warranty.

Contact – PH: **1300 170640 (Ext2)** or email **vicservice@bar-fridges-australia.com.au** with your Serial Number, Purchase Invoice Number and Fridge Model details for warranty queries.

*Or go to this link; **<https://www.bar-fridges-australia.com.au/making-a-warranty-claim.html>**

VERY IMPORTANT INFORMATION FOR STAINLESS STEEL VERSIONS

CARE AND PROTECTION OF STAINLESS STEEL SURFACES

The interior and exterior surfaces of your bar fridge have been manufactured using stainless steel, a material which is graded according to its composition and resistance to corrosion. For example, 304 grade is most commonly used in the food service industry and 316 grade is often referred to as “marine grade”. There are many lesser grades but your Rhino fridge uses either one or both of 304 and 316 grade.

Even the top grade of stainless steel is not immune to corrosion and **must** be cared for with an appropriate maintenance regime. Without such care, some degree of deterioration can be expected which might range from mild “tea staining” to heavy surface corrosion.

To keep your fridge in tip-top condition, we recommend that owners use a clean lint-free cloth to apply a thin layer of Olive Oil to all ‘exposed’ Stainless Steel areas. This should then be polished in and buffed off with separate cloth to a non-oily finish. Always apply in the direction of the grain. This process will assist in protection against corrosive salt spray environments. The Olive Oil layer also makes later polishing and removal of fingerprints easier. This process should be repeated frequently every 3-4 months depending upon the location. For example a beachside area with heavy airborne salt spray may benefit from more regular application.

We recommend that you avoid using abrasive cream cleaners since these will scratch the stainless steel and promote corrosion. If you are using a dedicated stainless steel cleaning product, please always follow the manufacturer’s instructions.

The glass door can simply be cleaned with a readily available glass cleaning product.

Note: Please unplug the appliance from the mains power prior to doing any cleaning operations. Never inundate the cabinet with water during cleaning.



Look after your investment carefully and it will serve you well for many years to come.