User Guide

Quality, Design and Innovation



home.liebherr.com/fridge-manuals

LIEBHERR

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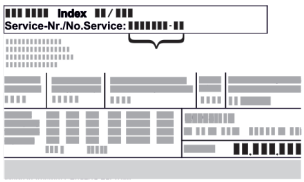
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The manufacturer is constantly working to improve all types and models. Therefore, please be aware that we reserve the right to make changes to the shape, equipment and technology.

Symbol	Explanation
	**Read instructions** Please read the information in these instructions carefully to understand all of the benefits of your new appliance.

*** Depending on model and options**

Symbol	Explanation
	**Additional information online** The digital manual with supplemental information and in additional languages can be found online by scanning the QR code on the front page of this manual or by entering the service number at **home.liebherr.com/fridge-manuals**. The service number can be found on the serial tag:  *Fig.* Example illustration
	**Check appliance** Check all parts for transport damage. If you have any complaints, please contact your agent or customer service.
	**Differences** These instructions apply to a range of models, so there may be differences. Sections that apply to certain models only are indicated by an asterisk (*).
	**Instructions and results** Instructions are marked with a ▶. Results are marked with a ▷.
	**Videos** Videos about the appliances are available on the YouTube channel of Liebherr-Hausgeräte.

Open-source licenses:

The appliance includes software components that make use of open-source licenses. You can find information on the open-source licenses to be used here: **home.liebherr.com/open-source-licenses**

These operating instructions apply to:

ICB(N)..(i)	51..
ICB(N)Sd	51..
IKGBNS 51Vd23	
IKGBN 51Vd23i	

Note
If your appliance has an N in its appliance designation, it is a NoFrost appliance.*

1 General safety instructions

Please keep these operating instructions in a safe place so you can refer back to them at any time.

If you pass the appliance on, please hand these operating instructions to the new owner.

Read these operating instructions before use in order to use the appliance safely and correctly. Follow the instructions, safety instructions and warning messages included at all times. They are important for ensuring you can operate and install the appliance safely and without any problems.

Dangers for the user:

- This appliance is suitable for use by children and persons with reduced physical, sensory or mental capacities or lack of experience and skills provided they are supervised or have been instructed on the safe use of the appliance and understand the hazards involved.
  Children must not play with the appliance. Children must not be allowed to clean or perform any user maintenance without supervision. Children between the ages of 3-8 must not load or unload the appliance. Keep children under the age of 3 away from the appliance if they are not consistently supervised.
- The socket must be easily accessible so that the appliance can be disconnected quickly from the electricity in an emergency. It must not be located in the area behind the appliance.
- When disconnecting the appliance from the outlet, always take hold of the plug. Do not pull on the cable.
- Disconnect the power plug or switch off the power if a fault occurs.
- Do not damage the mains power line. Do not operate the appliance from a defective mains power line.
- Repairs and work on the appliance may only be carried out by after sales service or other specifically trained qualified personnel.
- Only install, connect and dispose of the appliance in accordance with the instructions.
- Only operate the appliance after it has been installed.

Risk of fire:

- The refrigerant contained within the appliance (specifications on the rating plate) is environmentally friendly, but flammable. Leaking refrigerant can ignite.
  - Do not damage the pipes of the refrigerant circuit.
  - Do not handle ignition sources inside the appliance.
  - Do not use electrical devices inside the appliance (e.g. steam cleaners, heaters, ice cream makers, etc.).
  - If refrigerant leaks: Remove naked flames or ignition sources located near the area of the leak. Air the room well. Contact the customer service department.
- Do not store explosive materials or spray cans with flammable propellants, such as e.g. butane, propane, pentane, etc. in the appliance. You can recognize such spray cans by the printed contents or a flame symbol. Any leaking gasses can be ignited by electrical components.
- Keep lit candles, lamps and other objects with naked flames away from the appliance so they do not cause a fire.
- Alcoholic beverages or other containers holding alcohol must always be tightly sealed for storage purposes. Any leaking alcohol can be ignited by electrical components

Tipover hazard:

- Do not stand or climb on the base, drawers, doors, etc. This applies in particular to children.

Risk of food poisoning:

- Do not consume food that has passed its best before date.

Danger of frostbite, feelings of numbness and pain:

- Avoid prolonged skin contact with cold surfaces or chilled/frozen food or take protective measures, e.g. wear gloves.

Risk of injury and damage:

- Hot steam may lead to injuries. Do not use any electrical heating or steam cleaning equipment, naked flames or defrosting sprays for defrosting
- Do not remove ice with sharp objects

Risk of crushing:

- Do not reach into the hinge when opening and closing the door. Fingers may get trapped.

Symbols on the device:



The symbol can be on the compressor. It refers to the oil in the compressor and refers to the following danger: Can be lethal if swallowed or inhaled. This notice only applies for recycling. There is no danger during normal operation.



The symbol is located on the compressor and indicates the danger of inflammable materials. Do not remove the label.



This label or a similar one may be located on the rear of the appliance. This label indicates that there are vacuum insulation panels (VIP) or perlite panels in the door and/or housing. This notice only applies for recycling. Do not remove the label.

Observe the warning messages and other detailed information in the other sections:

⚠	DANGER	indicates a hazardous situation, which if not avoided, will result in death or serious injury.
⚠	WARNING	indicates a hazardous situation, which if not avoided, could result in death or serious injury.
⚠	CAUTION	indicates a hazardous situation, which if not avoided, will result in minor or moderate injury.
	NOTICE	indicates a hazardous situation, which if not avoided, could result in damage to property.
	Note	indicates useful advice and tips.

2 The appliance at a glance

2.1 Delivered contents

Check all parts for transport damage. If you have any complaints, please contact the retailer or customer service. (see 10.4 Customer Service)

Delivery contains the following parts:

- Integrated appliance
- Equipment (depending on your model)
- Installation parts (depending on your model)
- “Quick Start Guide”
- “Installation Guide”
- Service brochure

2.2 Overview of appliances and equipment

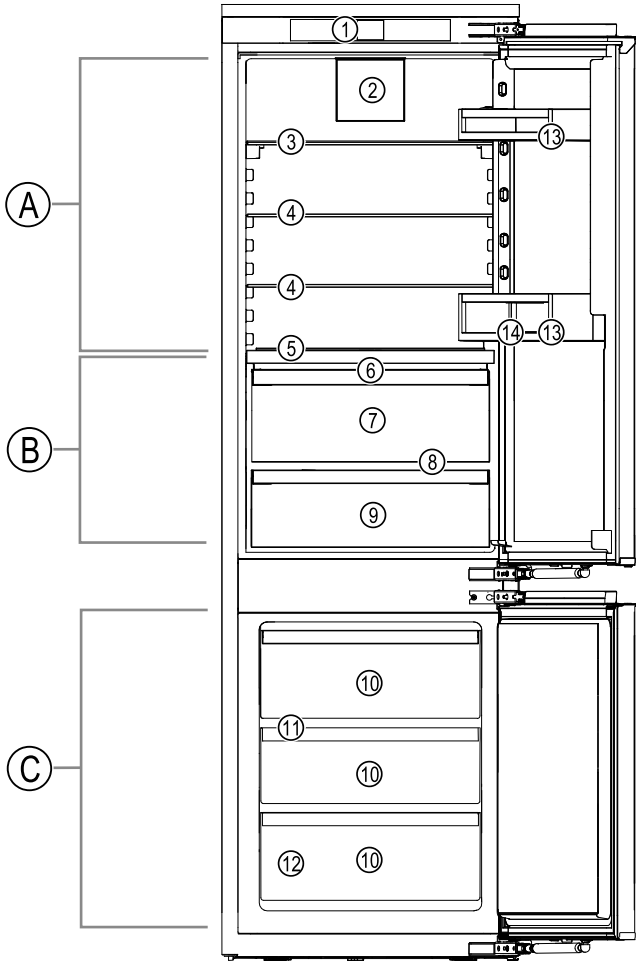


Fig. 1 Example illustration

Temperature range

(A) Fridge compartment
(B) BioFresh
(C) Freezer compartment

Equipment

(1) Controls
(2) Fan with FreshAir activated charcoal filter
(3) Divisible storage shelf
(4) Storage shelf
(5) Variable bottle shelf
(6) Lid for Fruit & Vegetable safe
(7) Fruit & Vegetable safe
(8) Drain hole
(9) Meat & Dairy safe
(10) Freezer drawer
(11) VarioSpace
(12) Type plate
(13) Door shelf
(14) Bottle holder

2.3 SmartDevice

SmartDevice is the networking solution for your fridge-freezer.

If your appliance is SmartDevice-enabled or compatible, you can quickly and easily connect your appliance to your WiFi. With the SmartDevice app, you can operate your appliance from a mobile device. Additional functions and setting options are available in the SmartDevice app.

SmartDevice-enabled appliance:*	Your appliance is capable of being a SmartDevice. To be able to connect your device to WiFi, you need to download the SmartDevice app.*

*** Depending on model and options**

SmartDevice-compatible appliance:*	Your appliance is compatible for use with the SmartDeviceBox. You must first purchase and install the SmartDeviceBox. In order to connect your appliance to the WiFi, you need to download the SmartDevice app.*
More information about SmartDevice:	**smartdevice.liebherr.com**
Purchase the SmartDeviceBox in the Liebherr-Hausgeräte store:*	**home.liebherr.com/shop/de/deu/smartdevicebox.html***
Downloading the SmartDevice app:	After installing and configuring the SmartDevice app, you can connect your appliance to the WiFi using the SmartDevice app and the WiFi appliance function (see WiFi) .

Note
The SmartDevice function is not available in the following countries: Russia, Belarus, Kazakhstan.

You cannot use the SmartDeviceBox.*

2.4 Range of appliance use

Normal use

The appliance is only suitable for cooling food for residential or other similar environments. This includes the following types of uses

- in staff kitchens, bed and breakfasts,
- by guests in country homes, hotels, motels and other types of accommodations,
- for catering and similar wholesale services.

All other types of uses are not permitted.

Foreseeable misuse

The following uses are specifically prohibited:

- Storage and cooling of medication, blood plasma, laboratory preparations or similar substances and products in accordance with the Medical Device Directive 2007/47/EC
- Use in areas at risk of explosion

Incorrect appliance use can cause damage to the stored products or cause them to spoil.

Climate ratings

The appliance is set to operate within specific ambient temperature limits according to its climate rating The climate rating for your appliance is printed on the rating plate

Note
▶ To guarantee trouble-free operation, comply with the indicated ambient temperatures.

Climate rating	for ambient temperatures from
SN	10 °C to 32 °C
N	16 °C to 32 °C
ST	16 °C to 38 °C
T	16 °C to 43 °C
SN-ST	10 °C to 38 °C
SN-T	10 °C to 43 °C

2.5 Conformity

The refrigerant circuit has been tested for leaks. When installed, the appliance complies with the applicable safety regulations and with the corresponding directives.

For the market:*	EU	The appliance complies with directive 2014/53/EU.*
For the market:*	GB	The appliance complies with the Radio Equipment Regulations 2017 SI 2017 No. 1206.*

The full text of the EU Declaration of Conformity is available on the following website: www.Liebherr.com

The BioFresh compartment meets the requirements of a cold storage compartment as set out in DIN EN 62552:2020.

2.6 SVHC substances according to REACH regulation

You can check whether your appliance contains SVHC substances according to REACH regulation at the following link: home.liebherr.com/de/deu/de/liebherr-erleben/nachhaltigkeit/umwelt/scip/scip.html

2.7 EPREL Database

Details about energy labeling and ecodesign requirements will be available on the European product database (EPREL) from March 1, 2021. You can access the product database at the following link: https://eprel.ec.europa.eu/ You will be asked to enter the model ID. You can find the model ID on the type plate.

2.8 Spare parts

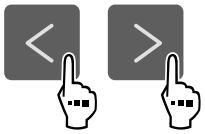
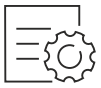
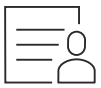
Spare parts for functional and storable parts of the equipment are available for 15 years.

3 Functionality of the Touch display

You operate your appliance using the Touch display. You select appliance functions in the Touch display (hereafter referred to as display) by tapping them. If you do not perform any action on the display for 10 seconds, the display either jumps back to the higher-level menu or directly to the status display.

3.1 Navigation and symbol explanation

In the illustrations, different symbols are used to navigate the display. The following table describes these symbols.

Symbol	Description
	**Press the Next navigation arrow:** Navigates to the next option in the menu.
	**Press the Back navigation arrow:** Jumps back one option in the menu.
	**Press the navigation arrow several times in succession:** Navigates in the menu to the desired function.
	**Press the Confirm symbol:** Activates/deactivates function. Opens submenu.
	**Press the Confirm symbol together with the back icon:** Jumps back one menu level.
	**Arrow with clock:** It takes more than 10 seconds for the following message to appear in the display.
	**Arrow with a time indication:** It takes the specified amount of time until the following message appears in the display.
	**“Open Settings menu” symbol:** Navigates to the Settings menu and opens the settings menu. If necessary: Navigate to the desired function in the Settings menu. (see 3.2.1 Opening the Settings menu)
	**“Open Advanced menu” symbol:** Navigates to the Advanced menu and opens the advanced menu. If necessary: Navigate to the desired function in the Advanced menu. (see 3.2.2 Opening the Advanced menu)
No action for 10 seconds	If you do not perform any action on the display for 10 seconds, the display either jumps back to the higher-level menu or directly to the status display.
Opening door and closing it again	If you open the door and immediately close it again, the display jumps directly back to the status display.

Note: Illustrations of the display are shown in the English version.

3.2 Menus

The appliance functions can be found in various menus.

Menu	Description
Main menu	When you switch the appliance on, you are automatically in the main menu. From here you can navigate to the most important appliance functions, to the Settings menu and to the Advanced menu.
 Settings menu	The Settings menu contains additional appliance functions for setting up your appliance. (see 3.2.1 Opening the Settings menu)
Advanced menu	The advanced menu contains special appliance functions for setting up your appliance. Access to the Advanced menu is protected by the numerical code **1 5 1**. (see 3.2.2 Opening the Advanced menu)

3.2.1 Opening the Settings menu

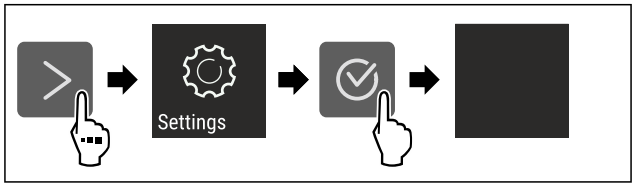


Fig. 2 Example illustration

▶ Carry out action steps according to the illustration.
▷ Settings menu is open.
▶ If necessary: Navigate to the desired function.

3.2.2 Opening the Advanced menu



Fig. 3

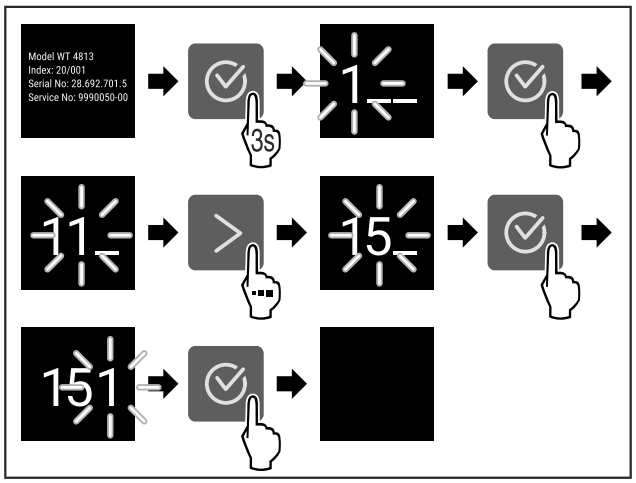


*Fig. 4 Example illustration, access with numerical code **151***

▶ Carry out action steps according to the illustration.
▷ Expanded menu is open.
▶ If necessary: Navigate to the desired function.

3.3 Sleep mode

If you do not touch the display for 1 minute, the display switches to sleep mode. In sleep mode, the display brightness is dimmed.

3.3.1 Ending sleep mode

▶ Press any navigation key.
▷ Sleep mode is ended.

4 Start-up

4.1 Switching on appliance (first use)

Make sure that the following requirements are fulfilled:

- ❑ The appliance is properly installed and connected according to the installation instructions.
- ❑ All adhesive strips, adhesive and protective films and transport locks are removed from inside and on the appliance.
- ❑ All marketing leaflets are removed from the drawers.
- ❑ You are familiar with the functionality of the Touch display. (see 3 Functionality of the Touch display)

Switch on the appliance using the Touch display.

▶ If the display is in sleep mode: Press the Confirm symbol.
▶ Carry out action steps according to the illustration.

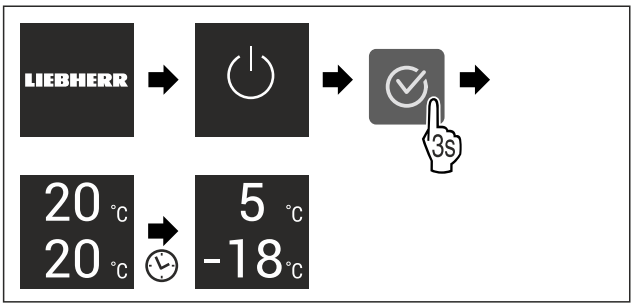


Fig. 5 Example illustration

▷ Status display appears.
▷ The appliance cools to the temperature set at the factory.
▷ The appliance starts in demo mode (status display with DEMO appears): If the appliance starts in demo mode, you can deactivate demo mode within the next 5 minutes. (see Demo mode)

More information:

- Start the SmartDevice for the first time. (see 2.3 SmartDevice) and (see WiFi)

Note
The manufacturer recommends:

▶ Stock with food: Wait for around 6 hours until the set temperature is reached.
▶ **Store frozen foods** at -18 °C or colder.
▶ Observe the notes on storing food. (see 5.1 Information regarding storage)

Note
Accessories can be purchased from the Liebherr-Hausgeräte store at home.liebherr.com/shop/de/deu/zubehor.html.

5 Storage

5.1 Information regarding storage

WARNING
Risk of fire from electrical appliances!
If you use electrical devices in the food area of your appliance, they may case a fire.

▶ Do not use electrical devices in the food area of the appliance if they have not been recommended by the manufacturer.

Note
Insufficient ventilation results in an increase in energy consumption and reduction of the refrigerating performance

▶ Always keep the air slots unobstructed.

Observe the following specifications for storage:

- Keep the air vents on the fan free.*
- In the freezer compartment: Package food properly.
- Package or cover foods that readily take on or give off odors or taste in closed containers.
- Package raw meat or fish in clean, closed containers. This will prevent meat or fish from touching or dripping onto other food.
- Keep liquids in closed containers.
- Leave space between goods to ensure good air circulation.
- Store food according to the instructions on the packaging.
- Always observe the best-before date indicated on the packaging.

Note
Failure to follow these guidelines can lead to foodstuffs spoiling.

5.2 Fridge compartment

The air circulation in the appliance creates different temperature zones. You will find the different temperature zones in the appliance and equipment overview. (see 2.2 Overview of appliances and equipment)

5.2.1 Arranging your food properly

▶ Upper area and door: Store butter, cheese, canned food and tubes.
▶ Coldest temperature zone: Store perishable foods such as pre-cooked meals.

5.3 BioFresh

BioFresh will extend the storage time for some fresh foods compared to traditional refrigeration.

Note
If the temperatures drop below 0 °C foods may freeze to each other.

▶ Store cold-sensitive produce such as cucumbers, eggplants, zucchinis and tropical fruit in the fridge compartment.

5.3.1 Fruit & Vegetable safe

This safe creates a climate of close to 0 °C. The compartment lid ensures constant levels of humidity. This storage climate is suitable for storing unpackaged food with high intrinsic moisture (for example, lettuce, vegetables, fruit).

The humidity in the compartment depends on the moisture content of the chilled goods placed in it, and also depends on how often the compartment is opened. You can regulate the humidity level.

Arranging your food properly

▶ Store unpackaged fruit and vegetables.
If the humidity is too high:
▶ Regulate the humidity.

5.3.2 Meat & Dairy safe

This safe creates a storage climate of close to 0 °C. This storage climate is suitable for more sensitive foods (e.g. dairy products, meat, fish, sausage).

Arranging your food properly

▶ Store dry or packaged food.

5.4 Freezer compartment

Here, a dry, frosty storage climate is created at -18 °C. The frosty storage climate is suitable for storing frozen food for several months, for making ice cubes or freezing fresh food.

5.4.1 Freezing food

Freezing quantity

The maximum amount of fresh food that you can freeze within 24 hours is specified on the type plate (see 10.5 Rating plate) under “Freezing capacity ... kg/24h.”

To ensure that food quickly freezes through, adhere to the following quantities per package:

- Fruit and vegetables up to 1 kg
- Meat up to 2.5 kg

Freezing food using SuperFrost

Depending on the amount of food to be frozen, you can activate SuperFrost before freezing to reach lower freezing temperatures. (see SuperFrost)

Appliance without NoFrost:*
▶ Activate SuperFrost if the amount of food you have to freeze is more than approx. 1 kg.*

Appliance with NoFrost:*
▶ Activate SuperFrost if the amount of food you have to freeze is more than approx. 2 kg.*

The time at which you activate SuperFrost depends on the amount of food you have to freeze:

Freezing quantity	Time at which you should activate SuperFrost
Small amount of food to freeze	Activate SuperFrost about 6 hours before freezing. You can place the food in the freezer as soon as the appliance automatically deactivates SuperFrost.
Maximum amount of food to freeze	Activate SuperFrost about 24 hours before freezing. You can place the food in the freezer as soon as the appliance automatically deactivates SuperFrost.

Arranging your food properly

CAUTION
Risk of injury from broken glass!
Bottles and cans with beverages can burst during freezing. This applies in particular to carbonated beverages.
▶ Only freeze bottles and cans with beverages if you have activated the BottleTimer function in the SmartDevice app.

Freezing quantity	Arranging your food properly
Small amount of food to freeze	Distribute packaged groceries throughout all drawers. If possible, place groceries at the back of the drawer near the rear wall.
Maximum amount of food to freeze	Distribute packaged groceries throughout all drawers. If possible, place groceries at the back of the drawer near the rear wall.

5.4.2 Defrosting food

WARNING
Danger of food poisoning!
▶ Do not re-freeze defrosted food.
▶ Use defrosted foodstuff as quickly as possible.

You can defrost food in several ways:

- In the fridge compartment
- In the microwave
- In the oven/fan-assisted oven
- At room temperature

▶ Take out only as much food as necessary.

5.5 Storage times

The storage times given are guidelines

Food with a “use by” date must still be consumed by the date indicated on the package

5.5.1 Fridge

The best-before date stated on the packaging applies.

5.5.2 BioFresh

Guideline storage times for the Meat & Dairy-Safe		
Butter	at 1 °C	up to 90 days
Hard cheese	at 1 °C	up to 110 days
Milk	at 1 °C	up to 12 days
Sausage, cold cuts	at 1 °C	up to 8 days
Poultry	at 1 °C	up to 6 days
Pork	at 1 °C	up to 6 days
Beef	at 1 °C	up to 6 days
Game	at 1 °C	up to 6 days

Note

▶ Note that higher-protein foods spoil more quickly So, shellfish and crustaceans perish faster than fish, and fish perishes faster than meat.

Guideline storage times for the Fruit & Vegetable-Safe		
Vegetables, lettuce		
Artichokes	at 1 °C	up to 14 days
Celery	at 1 °C	up to 28 days
Cauliflower	at 1 °C	up to 21 days
Broccoli	at 1 °C	up to 13 days
Endives	at 1 °C	up to 27 days
Mâche	at 1 °C	up to 19 days
Peas	at 1 °C	up to 14 days
Kale	at 1 °C	up to 14 days
Carrots	at 1 °C	up to 80 days
Garlic	at 1 °C	up to 160 days
Cabbage turnip	at 1 °C	up to 14 days
Iceberg lettuce	at 1 °C	up to 13 days
Herbs	at 1 °C	up to 13 days
Leeks	at 1 °C	up to 29 days
Mushrooms	at 1 °C	up to 7 days
Radishes	at 1 °C	up to 10 days
Brussels sprouts	at 1 °C	up to 20 days
Asparagus	at 1 °C	up to 18 days
Spinach	at 1 °C	up to 13 days
Savoy cabbage	at 1 °C	up to 20 days
Fruit		
Apricots	at 1 °C	up to 13 days
Apples	at 1 °C	up to 80 days
Pears	at 1 °C	up to 55 days
Blackberries	at 1 °C	up to 3 days
Dates	at 1 °C	up to 180 days
Strawberries	at 1 °C	up to 7 days
Figs	at 1 °C	up to 7 days
Blueberries	at 1 °C	up to 9 days
Raspberries	at 1 °C	up to 3 days
Red currants	at 1 °C	up to 7 days
Cherries, sweet	at 1 °C	up to 14 days
Kiwi	at 1 °C	up to 80 days
Peaches	at 1 °C	up to 13 days
Plums	at 1 °C	up to 20 days
Cranberries	at 1 °C	up to 60 days
Rhubarb	at 1 °C	up to 13 days
Gooseberries	at 1 °C	up to 13 days
Grapes	at 1 °C	up to 29 days

5.5.3 Freezer

Guidelines for storage periods for various foods		
Ice cream	at -18 °C	2 to 6 months
Sausage, ham	at -18 °C	2 to 3 months
Bread, bakery products	at -18 °C	2 to 6 months
Game, pork	at -18 °C	6 to 9 months
Fish, fatty	at -18 °C	2 to 6 months
Fish, lean	at -18 °C	6 to 8 months
Cheese	at -18 °C	2 to 6 months
Poultry, beef	at -18 °C	6 to 12 months
Vegetables, fruit	at -18 °C	6 to 12 months

6 Energy saving

- Always ensure good ventilation. Do not obstruct ventilation openings or grilles.
- Never block air slits in the fan.
- Do no install the appliance in an area with direct sunlight, next to a heating unit or similar.
- If you install the appliance directly next to an oven, its energy consumption may increase slightly. This depends on the service life and how often the oven is used.
- Energy consumption depends on installation conditions such as the ambient temperature (see 2.4 Range of appliance use) . A warmer ambient temperature can increase the energy consumption.
- Avoid opening the appliance door for any longer then necessary
- The lower the temperature is set the higher the energy consumption.
- Sort your food items: home.liebherr.com/food.
- All food stored in the appliance should be well wrapped and covered. This prevents frost buildup.
- Only take food out for as long as necessary so that it does not get too warm.
- Insertion of warm foods: first let the food cool down to room temperature.
- Defrost frozen food in the fridge
- If there is a thick layer of frost in the appliance Defrost the appliance.*
- For longer periods of absence, use HolidayMode (see HolidayMode) .

7 Use

7.1 Controls and displays

7.1.1 Status display

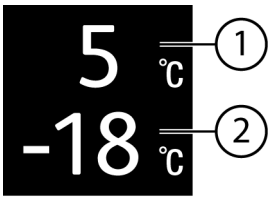


Fig. 6

(1) Fridge compartment temperature display

(2) Freezer compartment temperature display

The Status display shows the set temperatures and is the home display. From there, you can navigate to the options and settings.

7.1.2 Display symbols

The display symbols provide information about the current appliance status.

Symbol	Appliance status
	**Standby** The appliance or temperature zone is turned off.
	**Flashing number** Appliance is working. Temperature flashes, until the set value is reached.
	**Flashing symbol** Appliance is working. Setting is made.
	**Bar grows steadily** Function is activated.

7.2 Appliance functions

7.2.1 Notes on the appliance functions

The appliance functions are set at the factory so that your appliance is fully functional.

Before you alter, activate or deactivate the appliance functions, make sure that the following requirements are met:

- ❑ You have read and understood the descriptions of how the display works. (see 3 Functionality of the Touch display)
- ❑ You have familiarized yourself with the operating and display elements of your appliance.

Switching appliance off and on

This function switches the entire appliance on and off.

Switching off the appliance

If you switch off the appliance, the settings that were made before remain stored.

Make sure that the following requirements are fulfilled:

- ❑ Handling instructions (see 11 Decommissioning) have been completed.

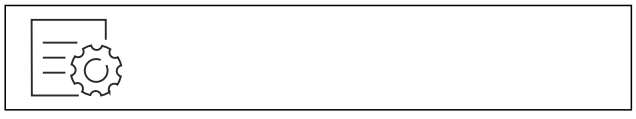


Fig. 7

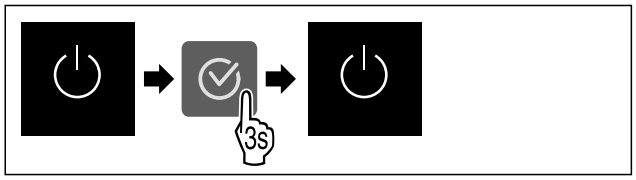


Fig. 8

▶ Carry out action steps according to the illustration.
▷ Appliance is switched off.
▷ Standby symbol appears in the display.
▷ Display turns black.

Switching on the appliance

If the display is in sleep mode:

▶ Press any navigation key.

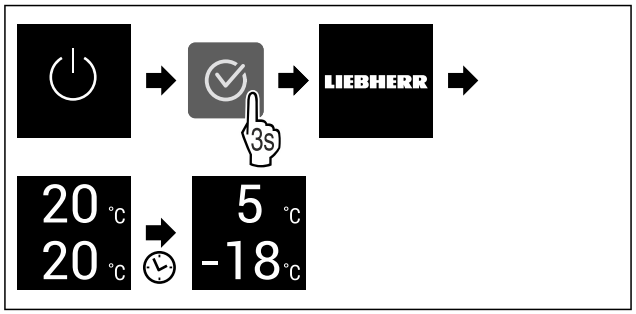


Fig. 9 Example illustration

▶ Carry out action steps according to the illustration.
If the appliance starts in demo mode:
▶ Deactivate demo mode. (see Deactivating demo mode)
▷ Appliance is switched on.
▷ Previously made settings are re-established.
▷ The appliance cools to the set target temperature.

Switching temperature zone off and on

You can switch temperature zones of the appliance off independently.

Application:

- Cleaning
- Defrosting

Switching the fridge compartment off

Make sure that the following requirements are fulfilled:

- ❑ Refrigerator compartment has been emptied.

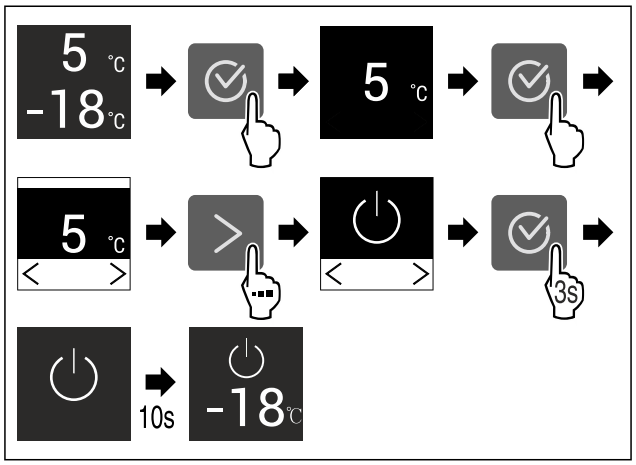


Fig. 10 Example illustration

▶ Carry out action steps according to the illustration.
▷ Refrigerator compartment is switched off.

Switching the fridge compartment on

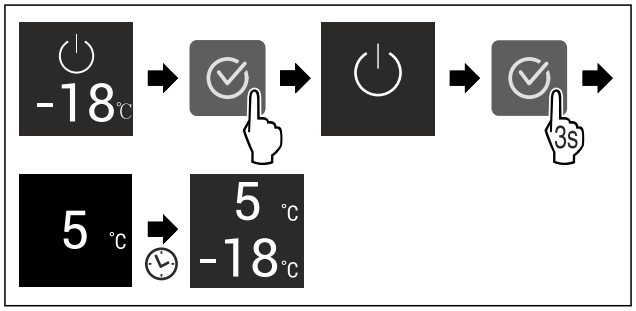


Fig. 11 Example illustration

▶ Carry out action steps according to the illustration.
▷ Refrigerator compartment is switched on.
▷ The appliance cools to the last set temperature.

WiFi

Use this function to connect your appliance to WiFi. You can then operate it via the SmartDevice app on a mobile device. You can also use this function to disconnect or reset the WiFi connection.

To connect your device to WiFi, you need the SmartDeviceBox.*

More information on the SmartDevice: (see 2.3 SmartDevice)

Note
The SmartDevice function is not available in the following countries: Russia, Belarus, Kazakhstan.

You cannot use the SmartDeviceBox.*

Establishing the WiFi connection for the first time

Make sure that the following requirements are fulfilled:

- ❑ You have purchased and inserted a SmartDeviceBox. (see 2.3 SmartDevice) *
- ❑ You have installed the SmartDevice app (see apps.home.liebherr.com).
- ❑ Registration in the SmartDevice app is completed.



Fig. 12

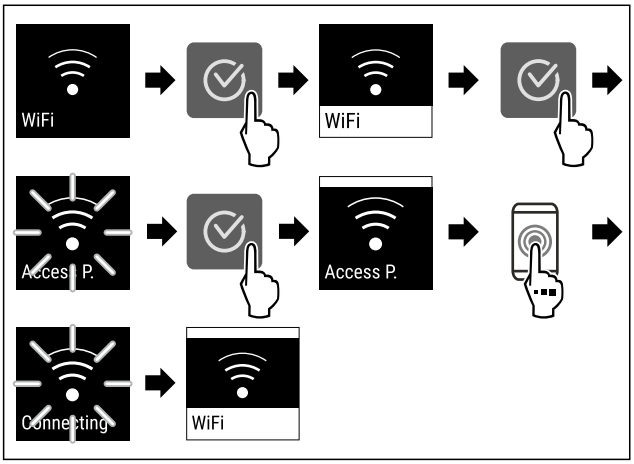


Fig. 13

▶ Carry out action steps according to the illustration.
▷ Connection is established.

Disconnecting from the WiFi



Fig. 14

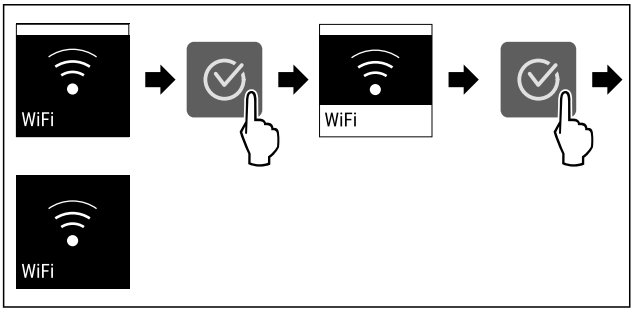


Fig. 15

▶ Carry out action steps according to the illustration.
▷ There is no connection.

Resetting the WiFi connection



Fig. 16

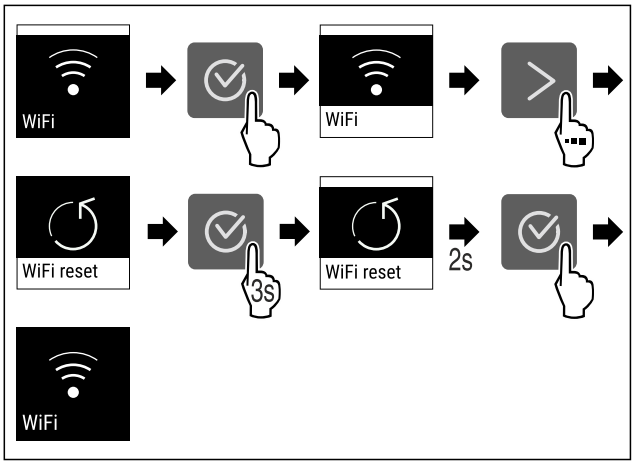


Fig. 17

▶ Carry out action steps according to the illustration.
▷ WiFi connection and other WiFi settings are reset to factory settings.

Showing information about the WiFi connection



Fig. 18

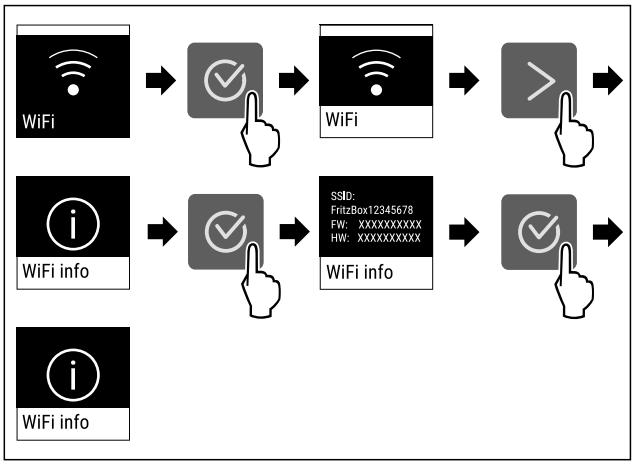


Fig. 19

▶ Carry out action steps according to the illustration.

Temperature

Use this function to set the temperature.

The temperature depends on the following factors:

- How often the door is opened
- How long the door is open
- The room temperature of the installation site
- Type, temperature and amount of food

Temperature zone	Factory-set temperature	Recommended setting
5 °C Fridge section	5 °C	4 °C
-18 °C Freezer section	-18 °C	-18 °C
0 °C BioFresh	0 °C	B-Value (see BioFresh B-Value)

Setting the temperature in the fridge section

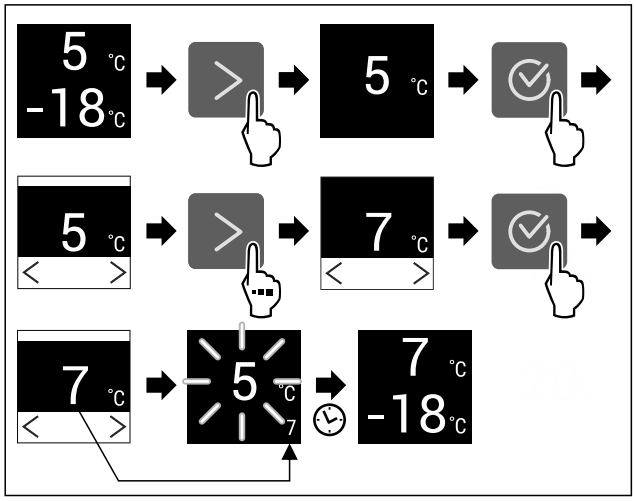


Fig. 20 Example illustration

▶ Carry out action steps according to the illustration.
▷ Temperature is set.

Setting the temperature in the freezer section

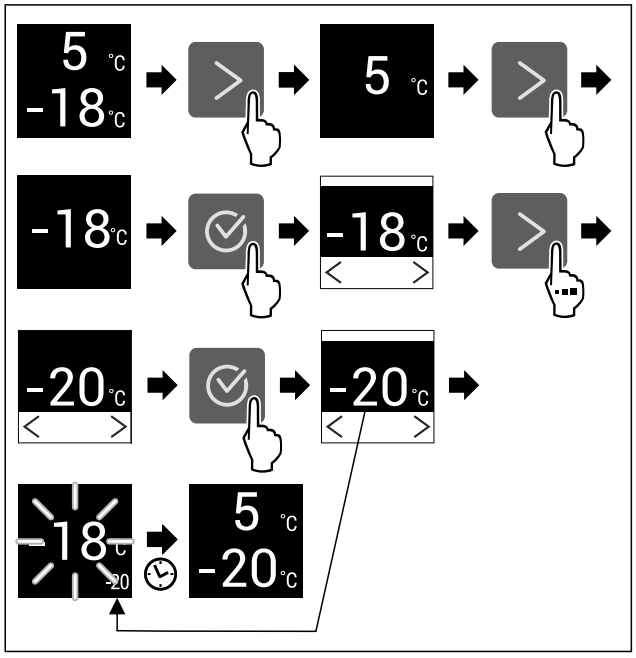


Fig. 21 Example illustration

▶ Carry out action steps according to the illustration.
▷ Temperature is set.

Setting the temperature in BioFresh

You set the temperature using the **BioFresh B-Value**. (see BioFresh B-Value)

°C/°F Temperature unit

Use this function to set the temperature unit. You can set the temperature unit in either degrees Celsius or degrees Fahrenheit.

Setting the temperature unit



Fig. 22

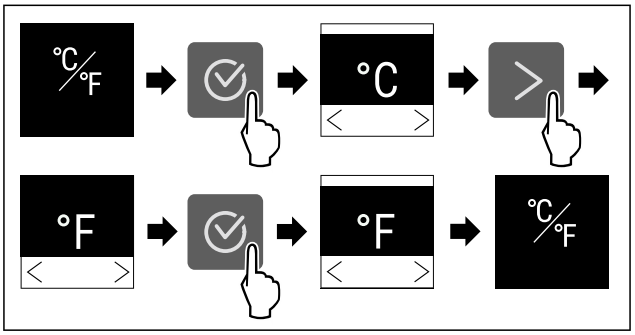


Fig. 23 Example illustration: Switching between degrees Celsius or degrees Fahrenheit.

▶ Carry out action steps according to the illustration.
▷ Temperature unit is set.

B5 BioFresh B-Value

Use this function to set the BioFresh B-Value. Use the BioFresh B-Value to adjust BioFresh slightly warmer or colder if a higher or lower ambient temperature makes it necessary. Upon delivery, the BioFresh B-Value is set to the value B5. If you adjust the B-Value, please observe the following table:

Value	Description
B1	Lowest temperature
B1-B4	The temperature can drop below 0 °C which means foods can easily freeze.
B5	Pre-set temperature
B9	Highest temperature

Setting the BioFresh B-Value



Fig. 24

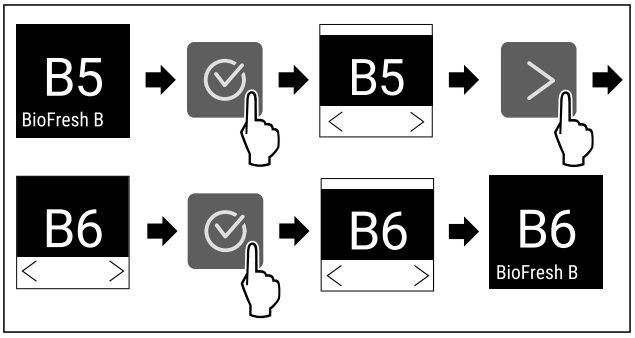


Fig. 25 Example illustration: Switching from B5 to B6.

▶ Carry out action steps according to the illustration.
▷ The BioFresh B-Value is set.

D1 D-Value

The D-Value is preset for your appliance and must not be changed.

SuperCool

This function activates or deactivates SuperCool. If you activate SuperCool the appliance increases the cooling capacity. This allows you to achieve lower cooling temperatures. You can activate SuperCool if you want to quickly cool large volumes of food.

If the function is active, the appliance operates at a higher output. As a result, the operating noise of the appliance may be temporarily louder, while energy consumption increases.

Activating SuperCool

Time for activating the function:

- If you want to store fresh food in the fridge section: Activate the function when storing food.



Fig. 26

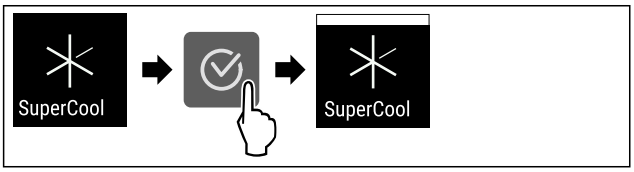


Fig. 27

▶ Carry out action steps according to the illustration.
-or-
▶ Activating with the SmartDevice app.*

▷ SuperCool is activated.

Deactivating SuperCool

SuperCool is automatically deactivated after 18 hours. However, you can also manually deactivate SuperCool at any time:



Fig. 28

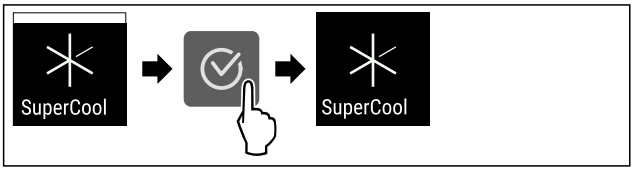


Fig. 29

▶ Carry out action steps according to the illustration.
-or-
▶ Deactivating with the SmartDevice app.*

▷ SuperCool is deactivated.
▷ Appliance continues to run in normal operation.
▷ The appliance first cools to the set temperature.

SuperFrost

This function activates or deactivates SuperFrost. Activating SuperFrost the appliance increases the freezing capacity. This allows you to achieve lower freezer temperatures.

Application:

- Quickly freezing fresh food through to the core.
  This ensures that the nutrition value, look, and taste of the food is preserved.
- Increasing cold reserves in stored frozen food before defrosting the appliance.

If the function is active, the appliance operates at a higher output. As a result, the operating noise of the appliance may be temporarily louder, while energy consumption increases.

Activating SuperFrost

Make sure that the following requirements are fulfilled:

❑ The freezing volume and time for SuperFrost activation are taken into account. (see Freezing food using SuperFrost)

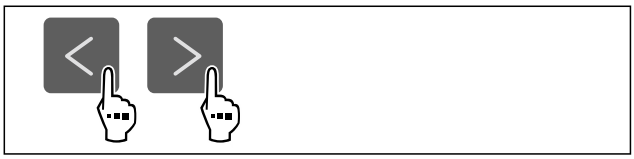


Fig. 30

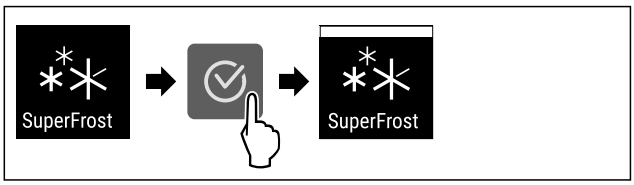


Fig. 31

▶ Carry out action steps according to the illustration.
-or-
▶ Activating with the SmartDevice app.*

▷ SuperFrost is activated.

Deactivating SuperFrost

SuperFrost is automatically deactivated after 56 to 72 hours depending on the volume of the stored food. However, you can also manually deactivate SuperFrost at any time:



Fig. 32

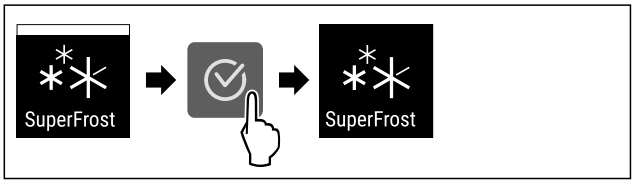


Fig. 33

▶ Carry out action steps according to the illustration.
-or-
▶ Deactivating with the SmartDevice app.*

▷ SuperFrost is deactivated.
▷ Appliance continues to run in normal operation.
▷ The appliance first cools to the set temperature.

Start defrost cycle*

Use this function to start the automatic defrost cycle manually if the defrost cycle does not start automatically in case of an error.

This function applies to NoFrost appliances.*

Starting the defrost cycle



Fig. 34

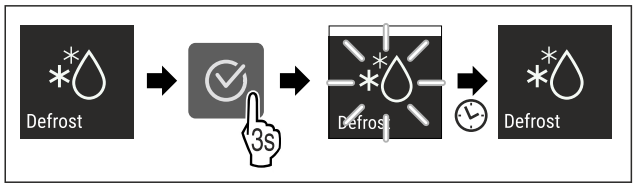


Fig. 35

▶ Carry out action steps according to the illustration.
▷ Defrost cycle has started: Symbol flashes until the defrost cycle is automatically completed.
▷ When the defrost cycle is completed: Appliance continues to run in normal operation.

Canceling the defrost cycle

The defrost cycle is automatically completed. However, you can also cancel the defrost cycle at any time during the defrosting:

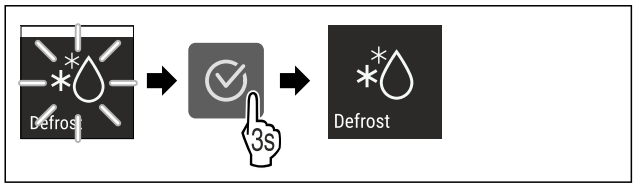


Fig. 36

▶ Carry out action steps according to the illustration.
▷ Defrost cycle is canceled.
▷ Appliance continues to run in normal operation.

PartyMode

This function activates and deactivates PartyMode. PartyMode activates different functions that are useful for a party.

PartyMode activates the following functions:

- SuperCool (see SuperCool)
- SuperFrost (see SuperFrost)

You can set all listed functions individually and flexibly. By deactivating PartyMode all changes are discarded.

If the function is active, the appliance operates at a higher output. As a result, the operating noise of the appliance may be temporarily louder, while energy consumption increases.

Activating PartyMode

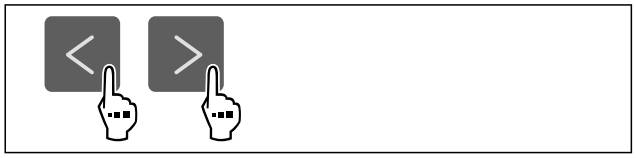


Fig. 37

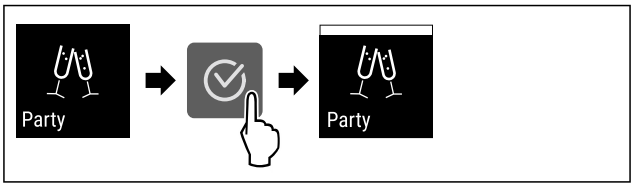


Fig. 38

▶ Carry out action steps according to the illustration.
▷ PartyMode and the corresponding functions are activated.
▷ The current temperature flashes until the target temperature is reached.

Deactivating PartyMode

PartyMode is automatically deactivated after 24 hours. However, you can also manually deactivate PartyMode at any time:



Fig. 39

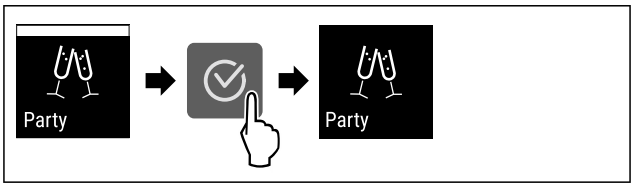


Fig. 40

▶ Carry out action steps according to the illustration.
▷ PartyMode is deactivated.
▷ The appliance first cools to the set temperature: The current temperature flashes until the target temperature is reached.

HolidayMode

Use this function to activate or deactivate HolidayMode. If you activate HolidayMode the fridge section is set to 15 °C. This helps you save energy if you are away for a longer period of time and avoid bad smells and mold formation.

Appliance status with active HolidayMode
Fridge section cools to 15 °C.
BioFresh cools down to 15 °C.
The set temperature is maintained in the freezer section.
PartyMode is deactivated.
SuperCool is deactivated.

Activating HolidayMode

▶ Empty the fridge section completely.
▶ Empty BioFresh completely.



Fig. 41

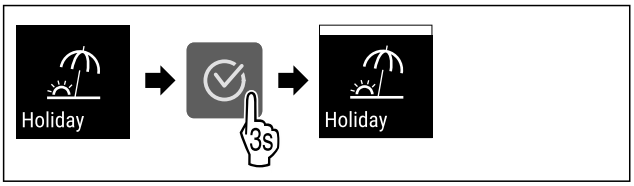


Fig. 42

▶ Carry out action steps according to the illustration.
▷ HolidayMode is activated.
▷ Temperature display shows the HolidayMode symbol.

Deactivating HolidayMode



Fig. 43

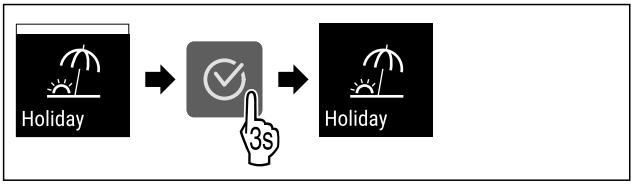


Fig. 44

▶ Carry out action steps according to the illustration.
▷ HolidayMode is deactivated.
▷ The appliance first cools to the set temperature.

SabbathMode

This function activates and deactivates SabbathMode. If you activate this function, some electronic functions are switched off. Your appliance thereby meets the religious requirements of Jewish holidays such as the Sabbath and complies with STAR-K Kosher certification.

Appliance status with active SabbathMode
The status display continuously shows SabbathMode.
All functions in the display except the **Deactivating SabbathMode function** are disabled.
Active functions remain active.
The display remains bright when you close the door.
The interior lighting is deactivated.
Memories are not listed. The set time interval is stopped.
Memories and warnings are not displayed.
There is no door alarm.
There is no temperature alarm.
The defrost cycle operates only for the specified time without taking into account the appliance usage.
After a power failure, the device returns to SabbathMode.

Appliance status

Note
This appliance has certification from the “Institute for Science and Halacha”. (www.machonhalacha.co.il)

You can find a list of STAR-K-certified appliances at www.star-k.org/appliances.

Activating SabbathMode

WARNING
Danger of poisoning from spoiled food!
If you have SabbathMode activated and a power failure occurs, no message appears in the status display about the power failure. Once the power is restored, the appliance continues to operate in SabbathMode. The power failure may mean that food spoils and the consumption of this food could lead to food poisoning.
After a power failure:
▶ Do not consume food that has been frozen and thawed.



Fig. 45

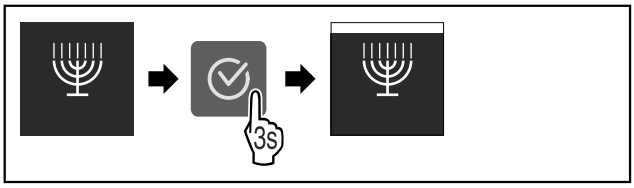


Fig. 46

▶ Carry out action steps according to the illustration.
▷ SabbathMode is activated.
▷ Status display continuously shows SabbathMode.

Deactivating SabbathMode

SabbathMode is automatically deactivated after 80 hours. However, you can also manually deactivate SabbathMode at any time:

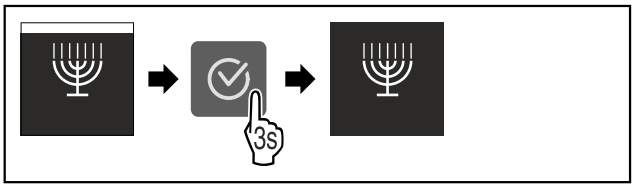


Fig. 47

▶ Carry out action steps according to the illustration.
▷ SabbathMode is deactivated.

E-Saver

Use this function to activate or deactivate energy saving mode. If you activate energy saving mode, energy consumption drops and the temperature in the appliance increases. Food remains fresh, but shelf life is reduced.

Temperature zone	Recommended setting (see Setting the temperature in the fridge section)	Temperature while E-Saver is active
5 °C Fridge section	4 °C	7 °C
-18 °C Freezer section	-18 °C	-16 °C

Temperatures

Activating E-Saver

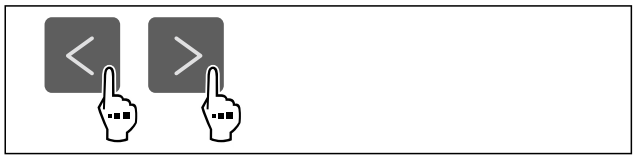


Fig. 48

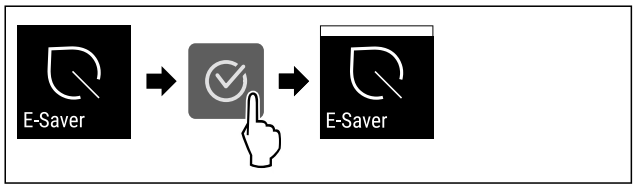


Fig. 49

▶ Carry out action steps according to the illustration.
▷ Energy saving mode is activated.

Deactivating E-Saver

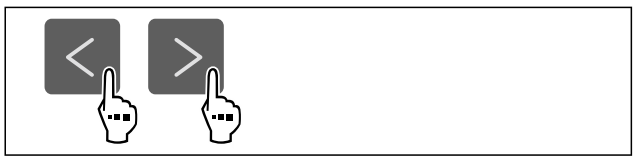


Fig. 50

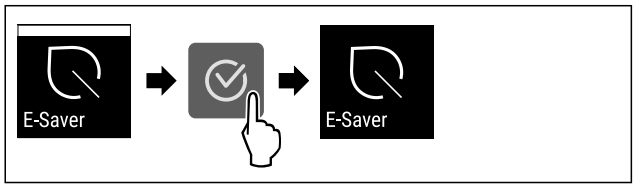


Fig. 51

▶ Carry out action steps according to the illustration.
▷ Energy saving mode is deactivated.

CleaningMode*

This function activates and deactivates CleaningMode. CleaningMode enables you to comfortably clean the appliance.

This setting relates to the fridge compartment.

Application:

- Clean the fridge compartment. (see 9.6 Cleaning the appliance)

Appliance status with active CleaningMode
The status display continuously shows CleaningMode.
The fridge section is switched off.
The interior lighting is activated.
Reminders and warnings are not displayed. No signal tone is sounded.

Appliance status

Activating CleaningMode



Fig. 52

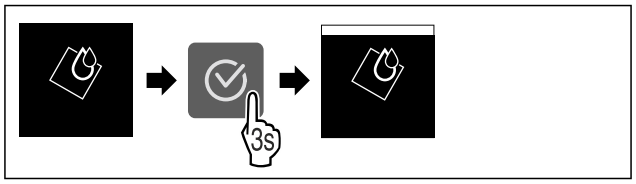


Fig. 53

▶ Carry out action steps according to the illustration.
▷ CleaningMode is activated.
▷ Status display continuously shows CleaningMode.

Deactivating CleaningMode

CleaningMode is automatically deactivated after 60 minutes. However, you can also manually deactivate CleaningMode at any time:

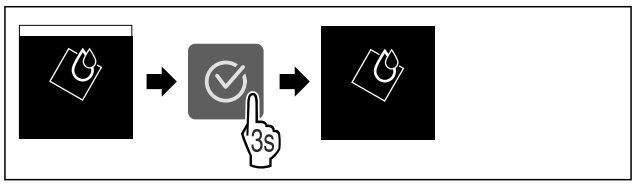


Fig. 54

▶ Carry out action steps according to the illustration.
▷ CleaningMode is deactivated.
▷ The appliance first cools to the set temperature.

Display Brightness

Use this function to set the brightness of the display gradually.

You can set the following brightness levels:

- 40 %
- 60 %
- 80 %
- 100% (default setting)

Setting the brightness



Fig. 55

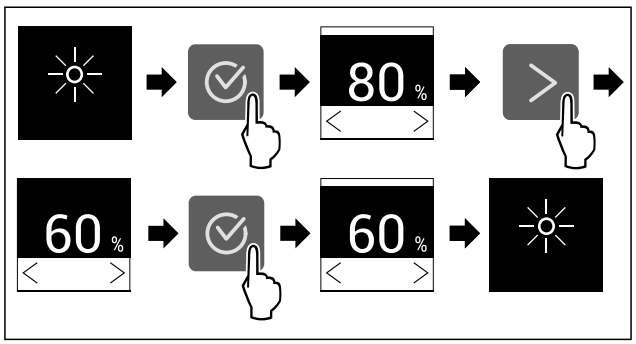


Fig. 56 Example illustration: Switching from 80 % to 60 %.

▶ Carry out action steps according to the illustration.
▷ Brightness is set.

Door alarm

Use this function to activate or deactivate the door alarm. The door alarm sounds if the door is open for too long. The door alarm is activated upon delivery. You can set how long to door can remain open until the door alarm sounds.

You can set the following values:
- 1 minute
- 2 minutes
- 3 minutes
- Off

Setting the door alarm



Fig. 57

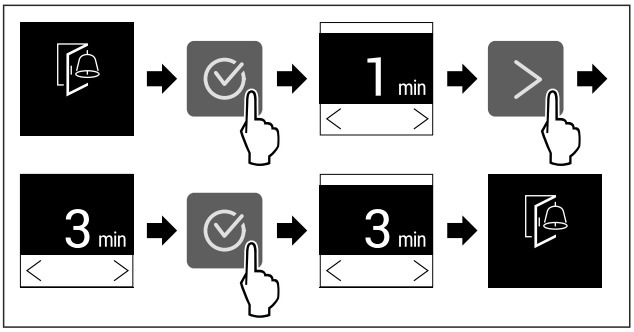


Fig. 58 Example illustration: Changing the door alarm from 1 minute to 3 minutes.

▶ Carry out action steps according to the illustration.
▷ Door alarm is set.

Deactivating door alarm



Fig. 60

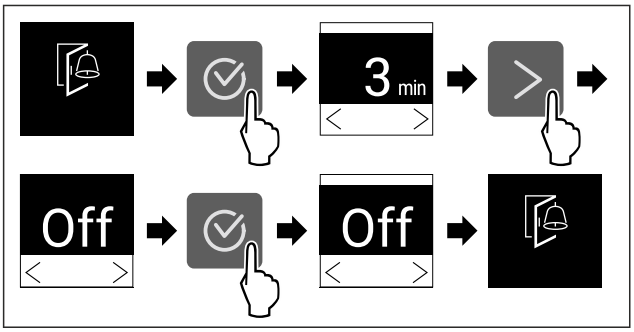


Fig. 61

▶ Carry out action steps according to the illustration.
▷ Door alarm is deactivated.

Input lock

This function activates and deactivates the input lock. The input lock prevents the appliance from being operated accidentally, e. g. by children.

Application:
- Prevent unintentional changes of functions.
- Prevent switching off of the appliance.
- Prevent unintentional temperature setting.

Activating the input lock

If you activate the input lock, you can continue to navigate in the menus, however you cannot select or modify other functions.



Fig. 62

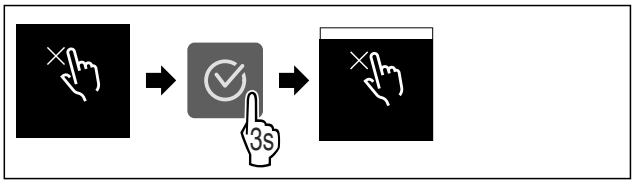


Fig. 63

▶ Carry out action steps according to the illustration.
▷ Input lock is activated.

Deactivating the input lock



Fig. 64

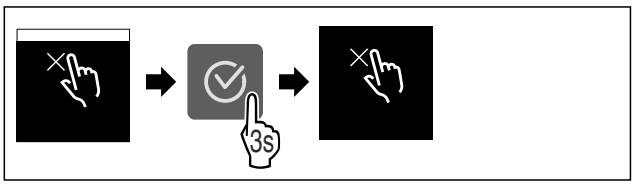


Fig. 65

▶ Carry out action steps according to the illustration.
▷ Input lock is deactivated.

Appliance information

Use this function to display the model name, index, serial number and service number of your appliance. You will need the appliance information when you contact customer service. (see 10.4 Customer Service)

You also use this function to open the expanded menu. (see 3 Functionality of the Touch display)

Display appliance information



Fig. 66



Fig. 67

▶ Carry out action steps according to the illustration.
▷ Display shows the appliance information.

Software

Use this function to display the software version of your appliance.

Display software version



Fig. 68



Fig. 69

▶ Carry out action steps according to the illustration.
▷ Display indicates the software version.

Reminder

Use this function to activate or deactivate reminder. This function is activated upon delivery.

The following reminders will then appear if the function is activated:

- Replace the FreshAir activated charcoal filter (see Replace FreshAir activated charcoal filter)

Activating reminder



Fig. 70

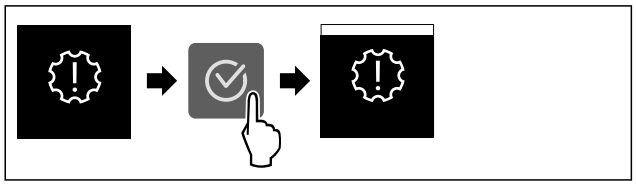


Fig. 71

▶ Carry out action steps according to the illustration.
▷ Reminder is activated.

Deactivating reminder



Fig. 72

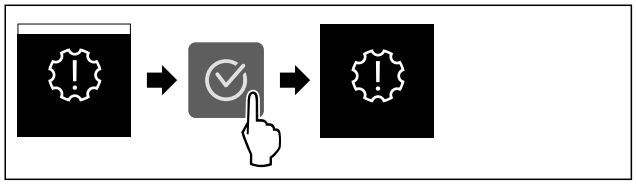


Fig. 73

▶ Carry out action steps according to the illustration.
▷ Reminder is deactivated.

Demo mode

Demo mode is a special feature for dealers who want to demonstrate appliance features. If you activate demo mode, all refrigeration functions are deactivated.

If you switch on your appliance and “Demo” appears in the status display, then demo mode is already activated.

If you activate and then deactivate demo mode, the appliance will be reset to factory defaults. (see Resetting to factory settings)

Activating demo mode



Fig. 74

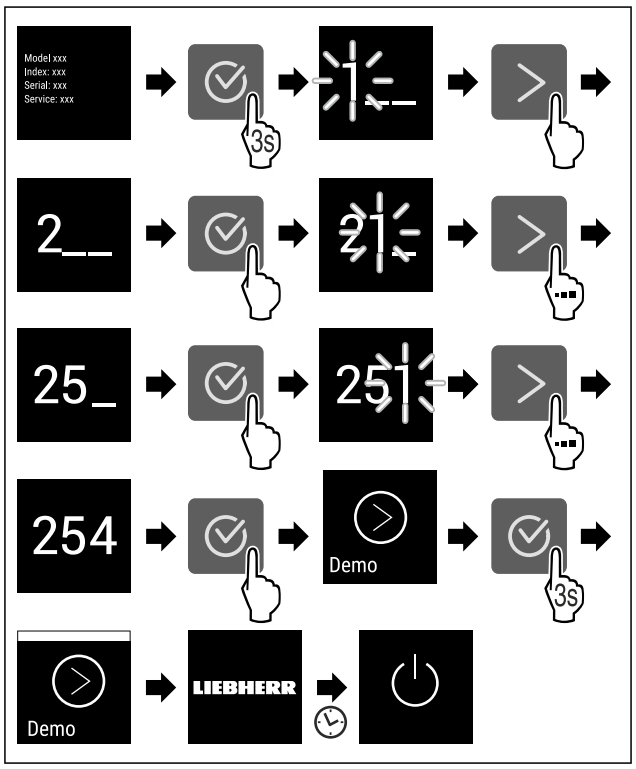


Fig. 75

▶ Carry out action steps according to the illustration.
▷ Demo mode is activated.
▷ Appliance is switched off.
▶ Switch on the appliance. (see 4.1 Switching on appliance (first use))
▷ “DEMO” appears in the status display.

Deactivating demo mode



Fig. 76

*** Depending on model and options**

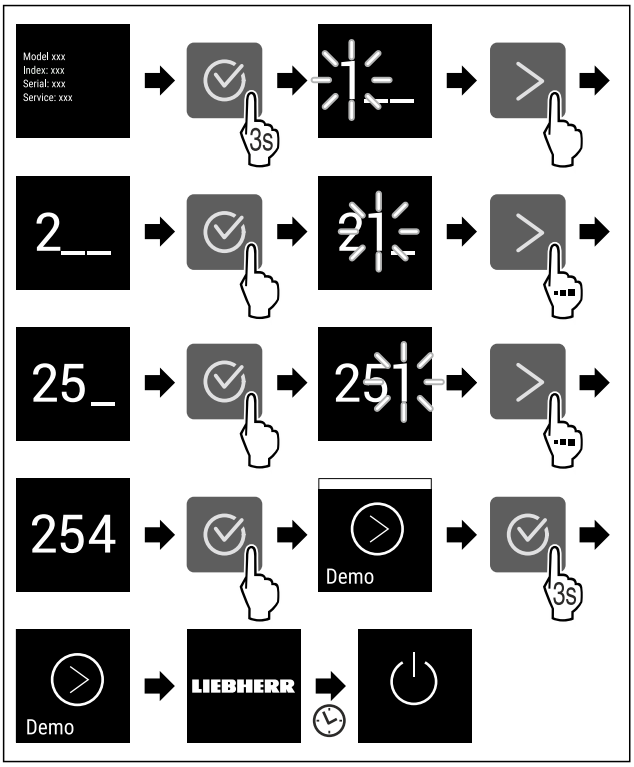


Fig. 77

▶ Carry out action steps according to the illustration.
▷ Demo mode is deactivated.
▷ Appliance is switched off.
▶ Switch on the appliance. (see 4.1 Switching on appliance (first use))
▷ Appliance is reset to factory settings.

Resetting to factory settings

Use this function to reset all settings to factory settings. All settings you have made so far are reset to their original settings.

Performing a reset



Fig. 78

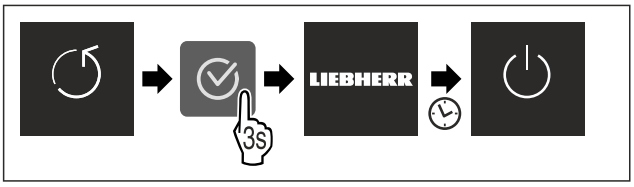


Fig. 79

▶ Carry out action steps according to the illustration.
▷ Appliance is reset.
▷ Appliance is switched off.
▶ Restart the appliance. (see 4.1 Switching on appliance (first use))

7.3 Messages

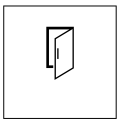
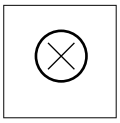
There are two categories of messages:

Category	Meaning
Warning	Warnings are displayed if there is a door alarm or a malfunction. You can easily end warnings yourself. For any major malfunction, you must contact Customer Service. (see 10.4 Customer Service)
Reminder	Reminders remind you of general processes. You can perform these processes and end the message doing so.

7.3.1 Overview of warnings

The appliance's behavior in the event of a warning:

- Warning appears in the display.
- Alarm sounds in increasing volume.
- For some warnings the interior lighting pulses.

Message	Cause	Ending the message
 **Door alarm**	The message appears if the door is open for too long.	Carry out action steps (see Door alarm) .
 **Power failure alarm**	The message appears if the freezing temperature increases due to a power outage.	Carry out action steps (see Power failure alarm) .
 **Temperature alarm**	The message appears if the freezing temperature does not correspond to the set temperature.	Carry out action steps (see Temperature alarm) .
 **Error**	This message appears if there is an appliance error. An appliance module indicates an error.	Carry out action steps (see Error) .
 * **WLAN error***	This message appears if the appliance could not be connected to WLAN. (see Establishing the WiFi connection for the first time) This message only appears the first time the appliance is set up.*	Carry out action steps (see WLAN error*) .*

7.3.2 Ending warnings

Door alarm

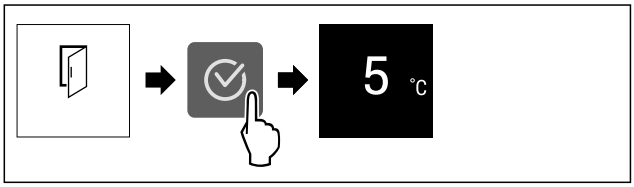


Fig. 80 Example illustration

▶ Carry out action steps according to the illustration.

-or-

▶ Close the door.

▷ Display skips to status display.

You can set how long to door may remain open until the door alarm sounds. (see Setting the door alarm)

Power failure alarm

Once the power failure has ended, the appliance automatically cools to the target temperature set earlier without you having to confirm the message. But you must confirm it in order for the message to disappear on the display.

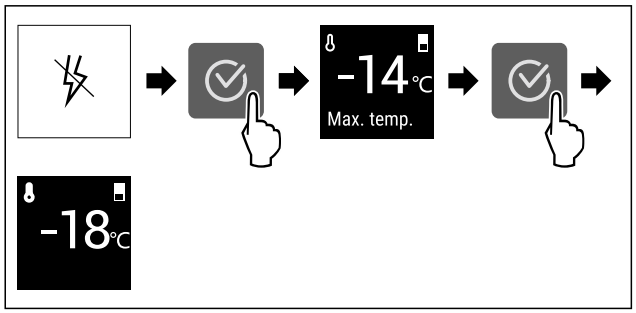


Fig. 81 Example illustration

▶ Press the Confirm symbol.
▷ The warmest freezing temperature is displayed.
▷ If the freezing temperature was below -9 °C: Food can still be eaten.
If the freezing temperature exceeded -9 °C:
▶ Check the food.
▶ Press the Confirm symbol.
▷ Display skips to status display: The current temperature and target temperature are displayed.

Temperature alarm

Causes for the temperature differences may be:

- You have put in warm, fresh food.
- Too much warm room air has flowed in during the rearrangement and removal of food.
- The power has been out for a longer period of time.
- The appliance is defective.

▶ Remedy the cause.
▷ The appliance cools to the target temperature set earlier:

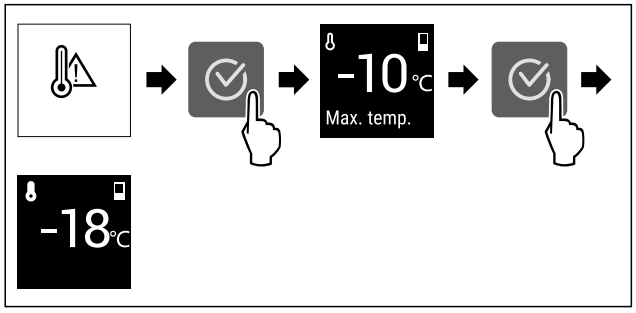


Fig. 82 Example illustration

▶ Press the Confirm symbol.
▷ The warmest freezing temperature is displayed.
▷ If the freezing temperature was below -9 °C: Food can still be eaten.
If the freezing temperature exceeded -9 °C:
▶ Check the food.
▶ Press the Confirm symbol.
▷ Display skips to status display: The current temperature and target temperature are displayed.

Error

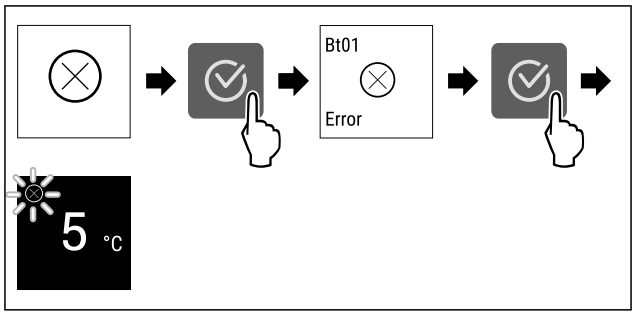


Fig. 83 Example illustration

▶ Press the Confirm symbol.
▷ Error code is displayed.
▶ Make a note of the error code.
▶ Press the Confirm symbol.
▷ Display skips to status display.
▶ Contact Customer Service. (see 10.4 Customer Service)

WLAN error*

▶ Check the WLAN connection.
▶ Connect the appliance to the WLAN again. (see WiFi)

7.3.3 Overview of reminders

The appliance's behavior in the event of a reminders:

- Reminder appears in the display.
- Alarm tone sounds.
- For some reminders the interior lighting pulses.

You can deactivate the following reminders (see Deactivating reminder) :

- Replace FreshAir activated charcoal filter

Message	Cause	Ending the message
FreshAir **Replace FreshAir activated charcoal filter**	This message appears if you have to replace the FreshAir activated charcoal filter.	Carry out action steps (see Replace FreshAir activated charcoal filter) .

7.3.4 Ending reminders

Replace FreshAir activated charcoal filter

Liebherr recommends: Replace the FreshAir activated charcoal filter every 6 months.

Note
FreshAir activated charcoal filters can be purchased from the Liebherr-Hausgeräte store at home.liebherr.com/shop/de/deu/zubehor.html.

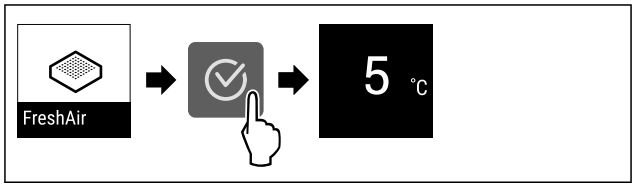


Fig. 84 Example illustration

▶ Press the Confirm symbol.
▶ Replace activated charcoal filter. (see 9.1 FreshAir carbon filter)
▷ The activated charcoal filter ensures optimum air quality in the refrigerator.
▷ Reminder appears again after 6 months.

If you no longer want to keep this reminder, you can deactivate the reminder. (see Deactivating reminder)

8 Equipment

8.1 Door racks

Door racks are suitable for storing beverages and food. You can move door racks for use as individually needed and disassemble them for cleaning. However, Liebherr recommends using the door racks in the position they are in when delivered from the plant.

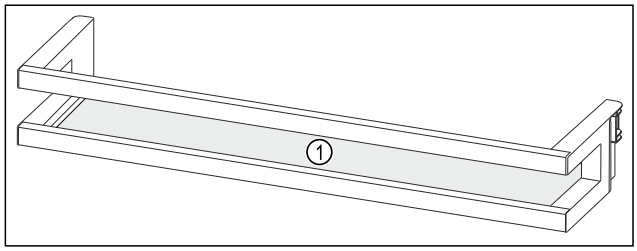


Fig. 85 Example illustration of the door racks
(1) Shelf

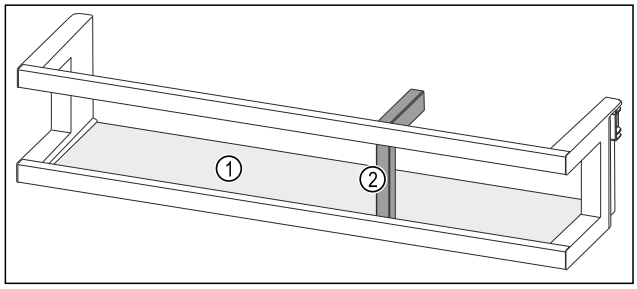


Fig. 86 Example illustration of the door racks with bottle holder
(1) Shelf **(2)** Bottle holder

The following table shows examples of what you can store in each door rack. Here, make sure that you do not exceed the maximum loading weight for the door.

Door racks	Food
Door racks (see Fig. 85)	Butter, cheese, canned food, tubes
Door racks with bottle holder (see Fig. 86)	Bottles Use the movable bottle holder to secure the bottles in the door rack.

8.1.1 Removing the door rack

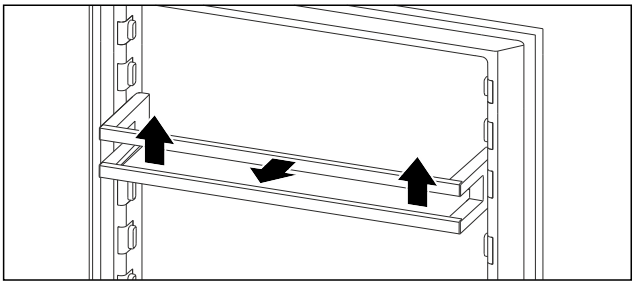


Fig. 87 Example illustration
▶ Move the door rack up.
▶ Move the door rack to the front.

8.1.2 Inserting the door rack

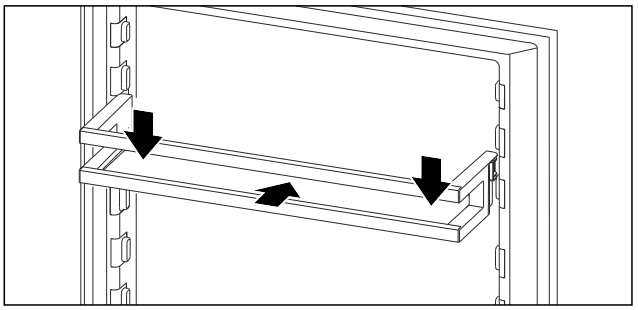


Fig. 88 Example illustration
▶ Insert the door rack.
▶ Press the door rack down.

8.1.3 Removing the bottle holder

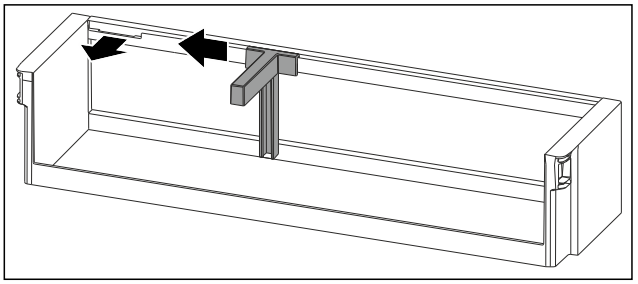


Fig. 89
▶ Push the bottle holder to the side up to the recess.
▶ Remove the bottle holder from the front.

8.1.4 Inserting the bottle holder

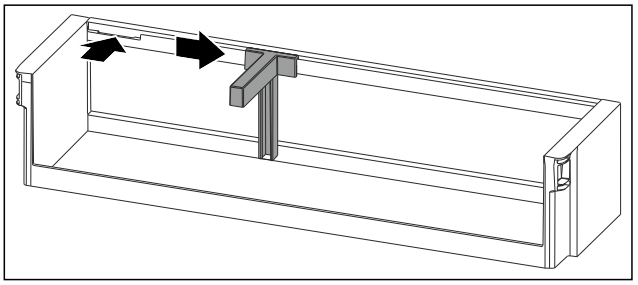


Fig. 90
▶ Insert the bottle holder into the recess.
▶ Push the bottle holder to the side into the desired position.

8.2 Shelves

8.2.1 Moving/removing shelves

Extension stops secure the shelves against being accidentally pulled out

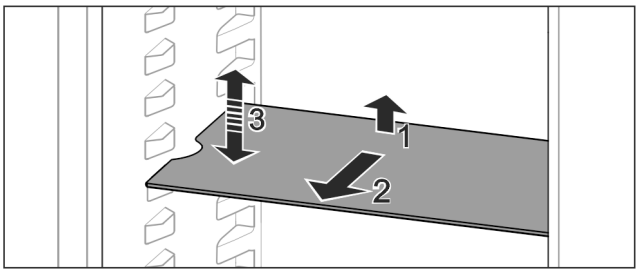


Fig. 91
▶ Lift the shelf and pull to the front.
▷ Side recess to shelf position.

▶ Reposition the shelf: Lift up or lower to the desired height and insert.

-or-

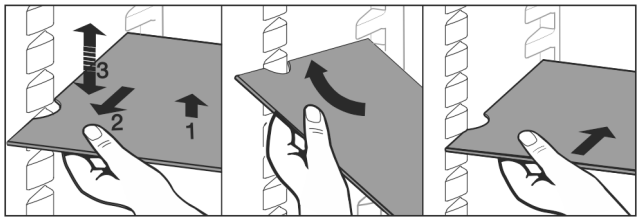


Fig. 92

▶ Take out the shelf completely: Pull out to the front.

▶ Easier removal: Set the shelf at an angle.
▶ Reinsert the shelf: Push it in to its stop limit.
▷ Pull-out stoppers are pointing down.
▷ Pull-out stoppers are behind the front shelf.

8.3 Split shelf

8.3.1 Using the split shelf

Extension stops secure the shelves against being accidentally pulled out

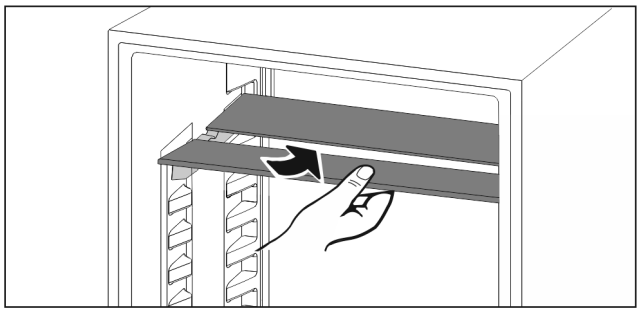


Fig. 93

▶ Push the split shelf underneath as in the illustration

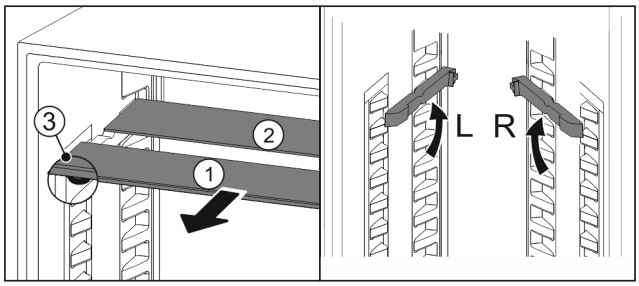


Fig. 94

Adjusting heights:

▶ Pull the glass panels out *Fig. 94 (1)* from the front, one at a time.
▶ Pull the support rails out of their retainers and snap into place at the height you want them.
▶ Slide in the glass panels one at a time.
▷ Flat pull-out stoppers at the front, right behind the support rail.
▷ Taller pull-out stoppers at the back.

Using both shelves:

▶ Hold the bottom glass panel with one hand and pull it to the front.
▷ The glass panel *Fig. 94 (1)* with the trim strip is at the front.
▷ The stops *Fig. 94 (3)* point downward.

8.4 Variable bottle shelf

You can use either the glass shelf or the variable bottle shelf on the floor of the fridge section. The glass shelf is inserted upon delivery.

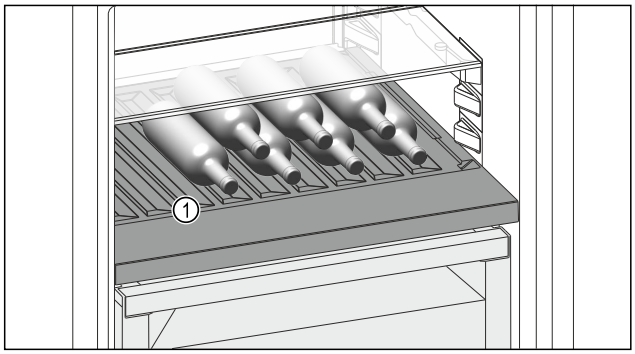


Fig. 95 Example illustration
(1) Variable bottle rack

8.4.1 Using the variable bottle shelf

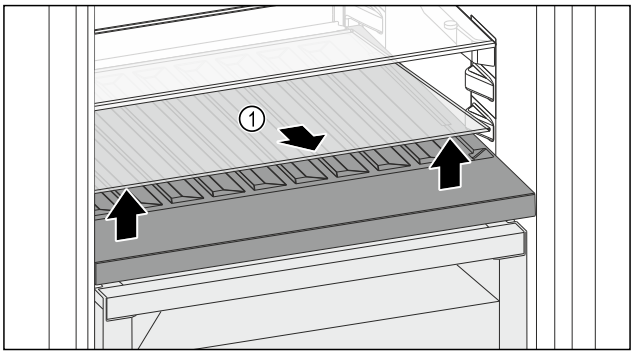


Fig. 96

▶ Lift the glass shelf *Fig. 96 (1)* in the front at the recess and pull it out.
▶ Store the glass shelf *Fig. 96 (1)* somewhere safe outside of the appliance.

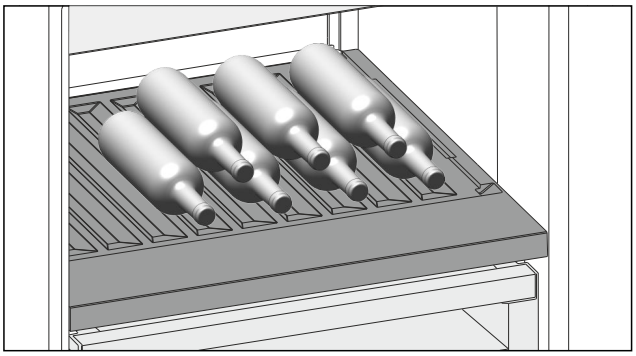


Fig. 97

▶ Insert the bottles facing backwards towards the rear wall. (see Fig. 97)

Note
If the bottles protrude towards the front over the variable bottle shelf:
▶ Set the lower door rack one position higher.

8.4.2 Using the glass shelf

Make sure that the following requirements are fulfilled:

❑ Bottles are removed.
❑ The variable bottle shelf has been cleaned.
(see 9.3 Removing / inserting the variable bottle shelf)
(see 9.6.3 Cleaning the equipment)

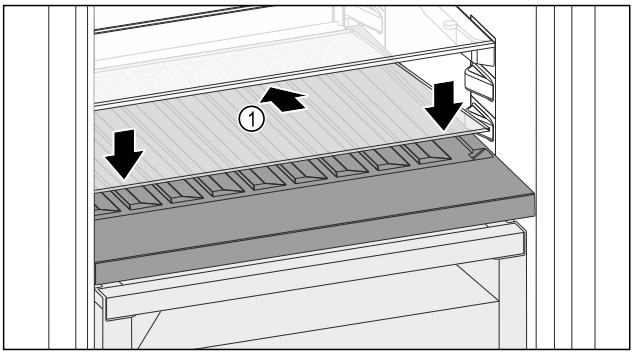


Fig. 98

▶ Place the glass shelf *Fig. 98 (1)* at an angle, tilted back and down.
▶ Lower the glass shelf *Fig. 98 (1)* at the front.

8.5 Drawers

You can remove the drawers for cleaning.

You can remove the drawers to use VarioSpace.

The way to remove/insert the drawers varies depending on the pull-out system. Your appliance can contain a variety of pull-out systems.

For appliances with NoFrost:*

Note
Insufficient ventilation results in an increase in energy consumption and reduction of the refrigerating performance.*

▶ Leave the bottom drawer in appliance!*
▶ Never obstruct the vents on the interior rear wall!*

For appliances without NoFrost:*

Note
Insufficient ventilation results in an increase in energy consumption and reduction of the refrigerating performance.*

▶ Never obstruct the vents on the interior rear wall!*

8.5.1 Drawer on appliance base or glass shelf

The drawer runs directly on the appliance base or on a glass shelf. There are no rails.

When you remove the drawers, you can use the glass shelves below them as storage shelves.

Removing drawer

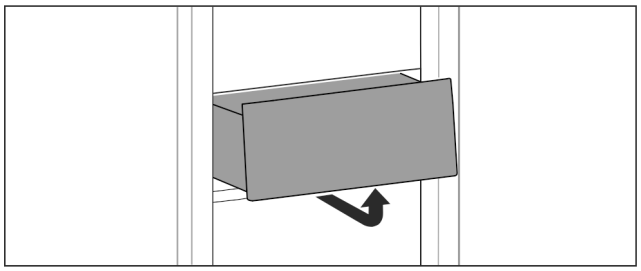


Fig. 99

▶ Remove drawer as shown in the diagram.

Inserting drawer

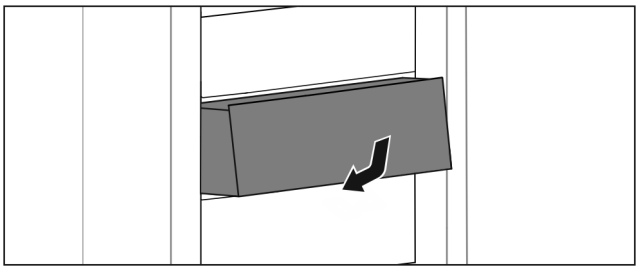


Fig. 100

▶ Insert drawer as shown in the diagram.

8.5.2 Drawer on telescopic rails

The drawer runs on full-extension rails (telescopic rails). There are full-extension telescopic rails and telescopic rails with partial pull-out. Drawers which are full extension can be pulled out fully from the appliance. Drawers with partial pull-out cannot be pulled out fully from the appliance. The system in your appliance depends on the type of appliance.

Full extension*

If you have full-extension rails, there is a clamp located at the back on the left and right of the rail.

Removing drawer

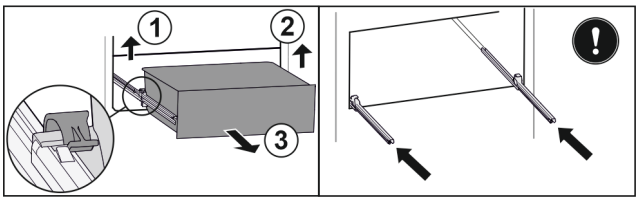


Fig. 101

▶ Pull out drawer as far as it will go.
▶ Lift left clamp and simultaneously pull drawer forwards on the left. *Fig. 101 (1)*
▶ Lift right clamp and simultaneously pull drawer forwards on the right. *Fig. 101 (2)*
▶ Remove drawer to the front. *Fig. 101 (3)*
▶ Slide rails in.

Inserting drawer

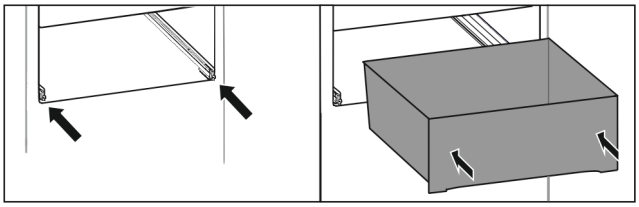


Fig. 102

▶ Slide rails in.
▶ Place drawer on rails.
▶ Slide in drawer to the back.
▷ Drawer latches in audibly at the back.

Partial pull-out fridge compartment*

Removing drawer

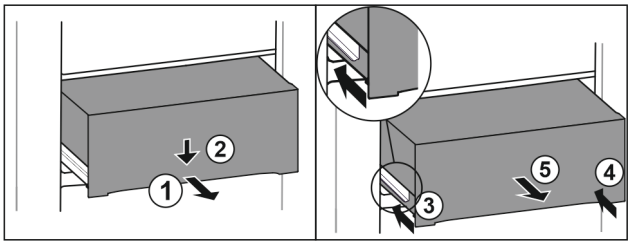


Fig. 103

▶ Pull out the drawer halfway. *Fig. 103 (1)*
▶ Press down the drawer on the front. *Fig. 103 (2)*
▶ Push in the left rail approximately 2 cm. *Fig. 103 (3)*
▶ Push in the right rail approximately 2 cm. *Fig. 103 (4)*
▶ Remove drawer to the front. *Fig. 103 (5)*

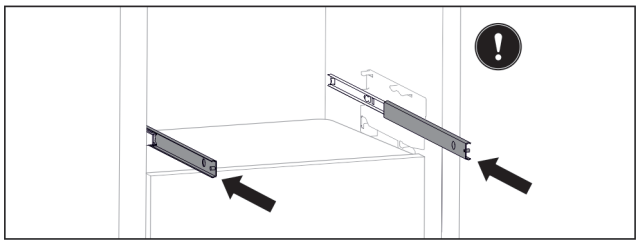


Fig. 104

If the rails are not yet fully pushed in after removing the drawer:

▶ Push the rails in completely.

Inserting drawer

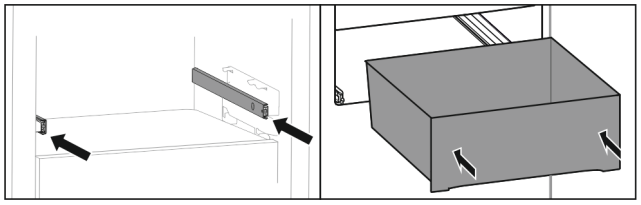


Fig. 105

▶ Slide rails in.
▶ Place drawer on rails.
▶ Slide in drawer to the back.

8.6 Lid for Fruit & Vegetable-safe

The lid ensures constant levels of humidity.

The lid is located directly on the drawer and can be covered by shelves or additional drawers.

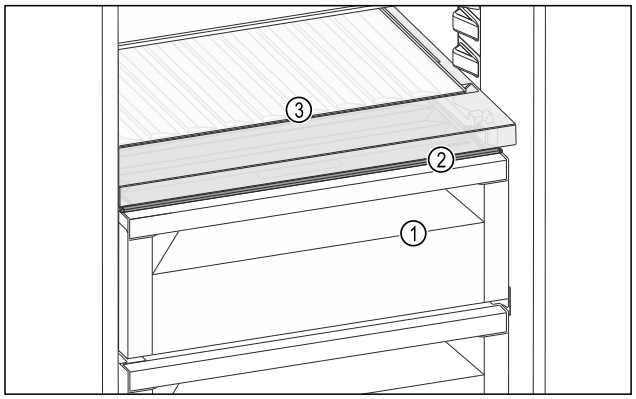


Fig. 106 Example illustration of the lid for Fruit & Vegetable-safe

(1) Fruit & Vegetable-safe
(2) Lid for Fruit & Vegetable-safe
(3) Variable bottle rack

8.6.1 Reducing humidity in the drawer

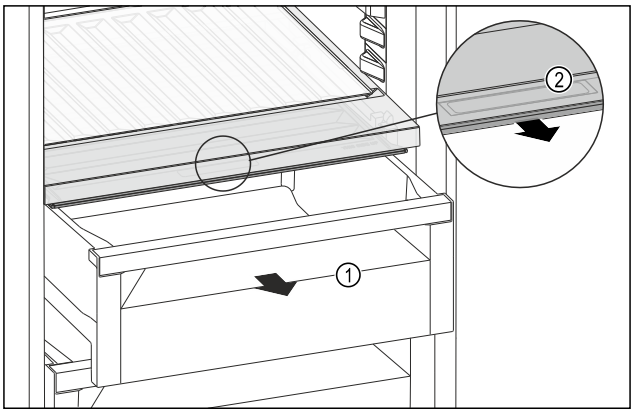


Fig. 107

▶ Pull out the drawer *Fig. 107 (1)*.
▶ Grip the handle recess *Fig. 107 (2)* on the lid while pulling the lid forward at the same time.
▷ When the drawer is closed, there is a small gap between the lid and the drawer.

8.6.2 Increasing humidity in the drawer

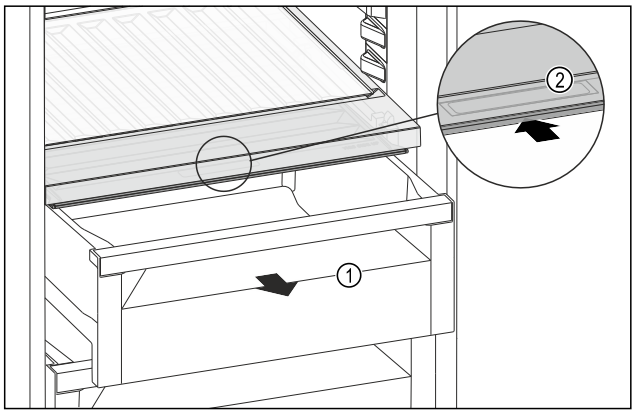


Fig. 108

▶ Pull out the drawer *Fig. 108 (1)*.
▶ Grip the handle recess *Fig. 108 (2)* on the lid while pulling the lid backward at the same time.
▷ When the drawer is closed, the lid closes tightly with the drawer.

8.6.3 Using Fruit & Vegetable-safe as a Meat & Dairy-safe

You can use the Fruit & Vegetable-safe as a Meat & Dairy-safe. To do so, you must reduce the moisture in the drawer. (see 8.6.1 Reducing humidity in the drawer)

8.7 Glass shelves

You can remove the glass shelf under the drawers for cleaning.

You can remove the glass shelf under the drawers to use VarioSpace.

8.7.1 Removing / inserting the glass shelf

Make sure that the following requirements are fulfilled:

❑ Glass shelf under the drawer: Drawer has been removed. (see 8.5 Drawers)

Removing glass shelf

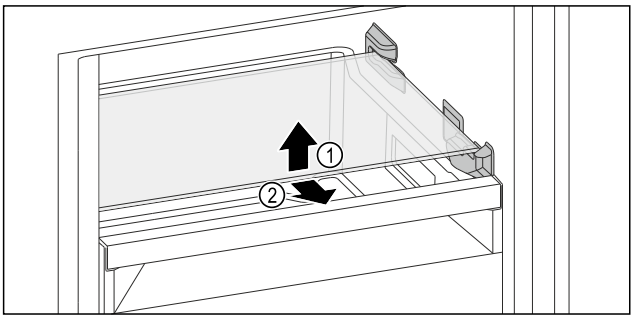


Fig. 109 Example illustration of the glass shelf

▶ Lift the front of the glass shelf.
▶ Remove the glass shelf from the front.

Inserting the glass shelf

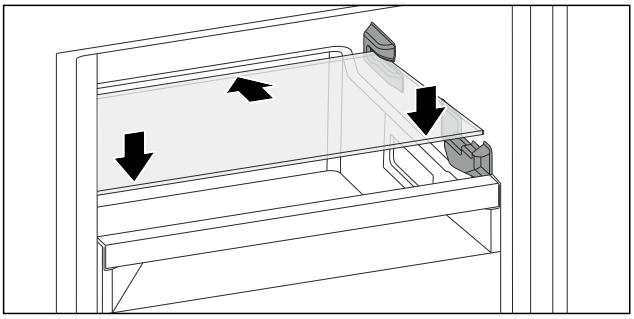


Fig. 110 Example illustration of the glass shelf

▶ Set down the glass shelf diagonally behind the stoppers.
▶ Lower glass shelf.
▶ Slide in glass shelf to the back.

8.8 VarioSpace

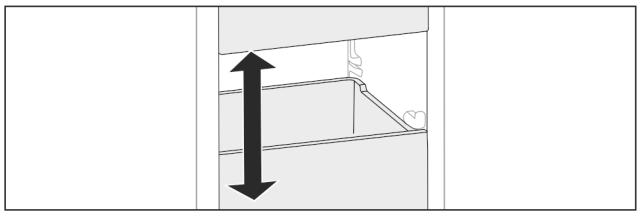


Fig. 111

You can remove drawers and glass panels from your appliance. This provides more room for large food items such as poultry, joints of meat, large game and bulky baked goods. You can then freeze these items whole for later preparation.

▶ Note the load limits on the drawers and glass panels (see 10.1 Technical specifications) .

8.9 Bottle rack

8.9.1 Using the bottle rack

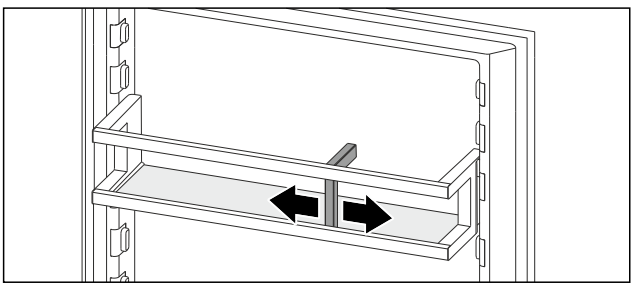


Fig. 112

▶ Slide the bottle rack at the edges.
▷ Stops bottles from tipping over.

8.10 FlexCube

The FlexCube has openings in different sizes so that you can store small items such as tubes, open yogurt cups, or quail eggs in it. The FlexCube fits in all Liebherr door racks, for example. If necessary, you can also place several FlexCubes next to each other.

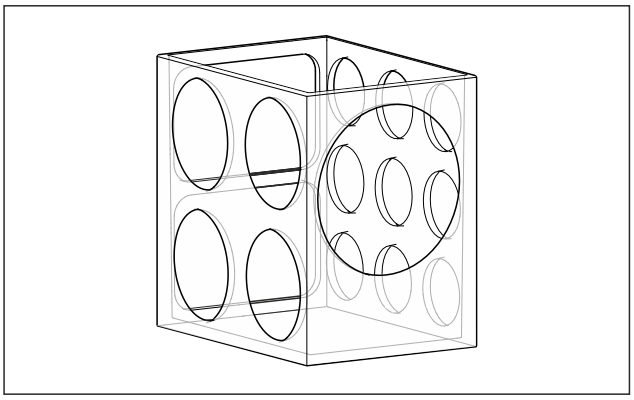


Fig. 113 Example illustration

Note
These accessories can be purchased from the Liebherr-Hausgeräte store at home.liebherr.com/shop/de/deu/zubehor.html.

8.10.1 Using FlexCube

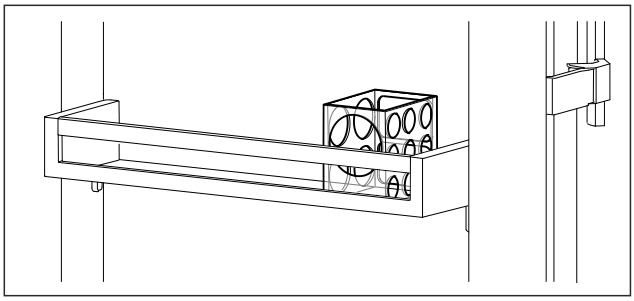


Fig. 114 Example illustration

▶ Insert the FlexCube in the door rack.

-or-

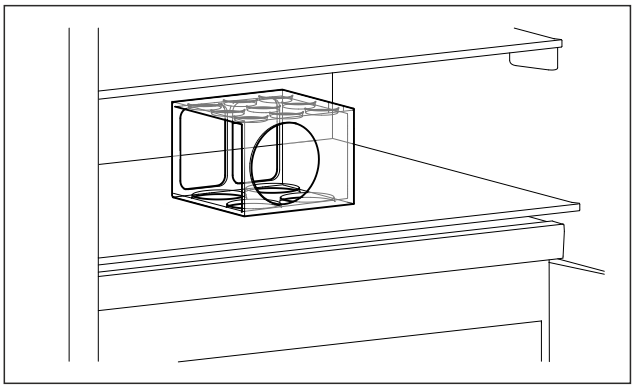


Fig. 115 Example illustration

▶ Placing the FlexCube on the shelf.

▶ Sort small item in the FlexCube for storage.

9 Maintenance

9.1 FreshAir carbon filter

The FreshAir carbon filter is located in the compartment above the fan.

It guarantees the best air quality.

- ❑ Change the carbon filter every 6 months.
  When the reminder is set, a message on the display prompts you to change it.
- ❑ You can dispose of the carbon filter with the regular household waste.

Note
FreshAir activated charcoal filters can be purchased from the Liebherr-Hausgeräte store at home.liebherr.com/shop/de/deu/zubehor.html.

9.1.1 Removing the FreshAir carbon filter

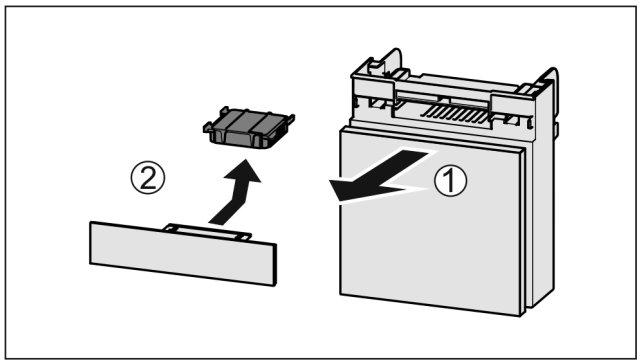


Fig. 116

▶ Pull out the compartment *Fig. 116 (1)*.
▶ Remove the carbon filter *Fig. 116 (2)*.

9.1.2 Inserting the FreshAir carbon filter

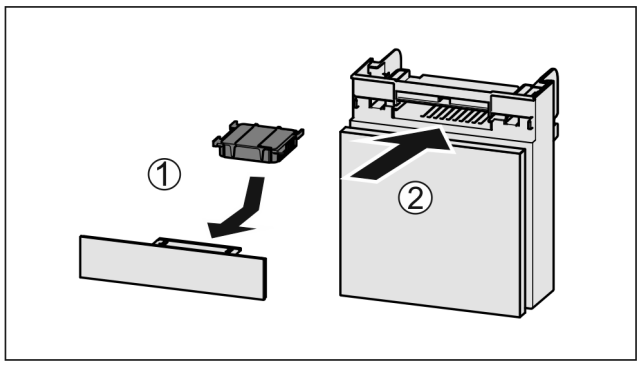


Fig. 117

▶ Insert the carbon filter as shown in the diagram *Fig. 117 (1)*.
▷ The carbon filter clicks into place.
If the carbon filter is pointing downwards:
▶ Push the compartment in *Fig. 117 (2)*.
▷ The carbon filter is now ready for use.

9.2 Disassembling / assembling pull-out systems

9.2.1 Notes on disassembly

You can disassemble some of the pull-out systems for cleaning. Your appliance can contain a variety of pull-out systems.

The following pull-out systems can be disassembled or cannot be disassembled:

Pull-out system	can be disassembled / cannot be disassembled
Drawer on appliance base or glass shelf	cannot be disassembled
Pull-out system	can be disassembled / cannot be disassembled
Full extension*	cannot be disassembled*
Partial extension fridge section*	cannot be disassembled*

9.3 Removing / inserting the variable bottle shelf

You can remove the variable bottle shelf for cleaning.

9.3.1 Removing the variable bottle shelf

Make sure that the following requirements are fulfilled:

- ❑ Bottles are removed.
- ❑ Glass shelf is removed. (see 8.4.1 Using the variable bottle shelf)

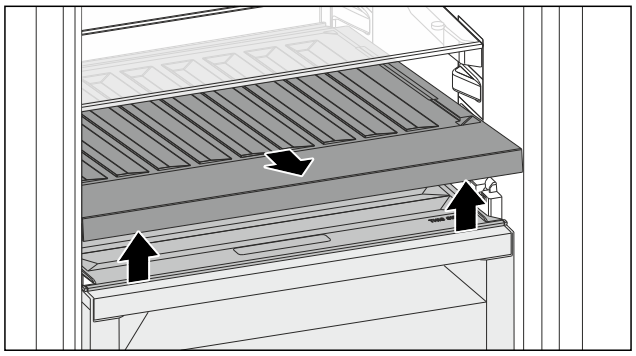


Fig. 118

▶ Lift the variable bottle shelf from the front and pull it out.
▷ The compartment lid is visible.

Note
Liebherr recommends:
Do not store any product on the compartment lid below it.

9.3.2 Inserting the variable bottle shelf

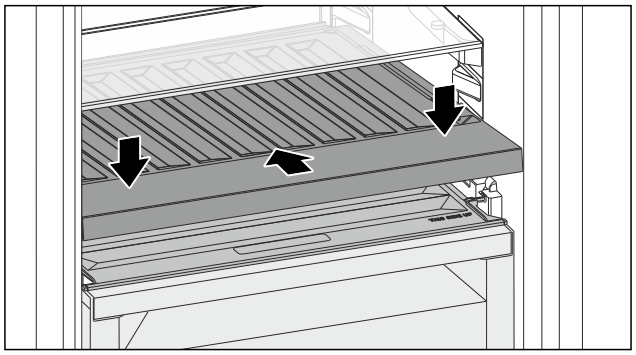


Fig. 119

▶ Push in the variable bottle shelf as far as it goes and press it down.
▶ Insert the glass shelf. (see 8.4.2 Using the glass shelf)
-or-
▶ Use the variable bottle shelf for bottles.

9.4 Lid for Fruit & Vegetable-safe

You can remove the lid for cleaning.

9.4.1 Removing the lid

Make sure that the following requirements are fulfilled:

- ❑ The glass plate directly above the variable bottle rack has been removed.
- ❑ The variable bottle rack has been removed.
- ❑ The drawer directly below the lid has been removed. (see 8.5 Drawers)

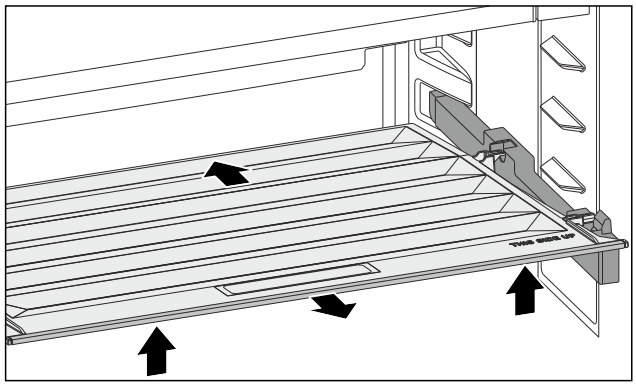


Fig. 120

▶ Push the lid backward.
▶ Lift up the lid forward.
▶ Remove the front lid by lifting it up at an angle.

9.4.2 Inserting the lid

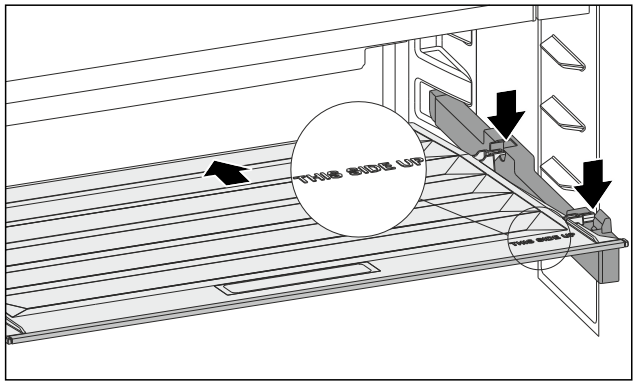


Fig. 121

If the lettering THIS SIDE UP is on top:

▶ Insert the rear bracket retainers in the corresponding rear openings.
▶ Push the lid backward.
▶ Lower the lid at the front and latch the front bracket retainers in the openings.
▶ Bring the lid to the desired position.

9.5 Defrosting the appliance

WARNING
Appliance incorrectly defrosted!*
Injuries and damage.

▶ Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
▶ Do not use any electrical heating or steam cleaning equipment, naked flames or defrosting sprays.
▶ Do not remove ice with sharp objects.

9.5.1 Defrosting the refrigerator compartment

Defrosting is performed automatically. The water from the thawing process runs out via the drain opening and is evaporated.

▶ Clean the drain hole regularly. (see 9.6 Cleaning the appliance)

9.5.2 Defrosting the freezer compartment with NoFrost*

Defrosting is performed automatically by the NoFrost system. The moisture condenses on the evaporator and is periodically defrosted and evaporated.

The appliance does not need to be defrosted.

9.5.3 Defrosting the freezer compartment manually*

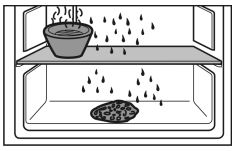
A layer of frost or ice forms after longer periods of operation.

The following factors may accelerate frost or ice formation:

- The appliance is opened frequently.
- Hot food is placed in the appliance.

One day before defrosting:

▶ Activate SuperFrost. (see 7.2 Appliance functions)
▷ “Cold storage accumulators” are applied to the frozen produce.
▶ Switch off appliance.
▶ Pull out the power plug from the outlet or shut off the fuse.
▶ Wrap the frozen food in newspaper or blankets and store in a cold place.
▶ Put a pot with hot (but not boiling) water on a middle shelf of the compartment.



-or-

▶ Fill the bottom two drawers half-full with lukewarm water and place them inside the appliance.

▷ This speeds up defrosting.
▷ Water from the defrosting process will collect in the drawers.
▶ Leave the appliance door open during the defrosting process.
▶ Remove pieces of ice that come loose.
▶ Make sure that the defrosted water does not run into the surrounding furnishings.
▶ If necessary, soak up the water with a sponge or a cloth several times.
▶ Clean the appliance. (see 9.6 Cleaning the appliance)

9.6 Cleaning the appliance

9.6.1 Preparation

WARNING
Danger of electric shock.

▶ Unplug refrigerator or disconnect power.

WARNING
Danger of fire

▶ Do not damage the refrigerant circuit.

▶ Empty appliance.
▶ Pull out the power plug.

-or-

▶ Activate CleaningMode. (see CleaningMode*) *

9.6.2 Cleaning the interior

NOTICE
Improper cleaning!
Damage to the appliance.
▶ Only use soft cleaning cloths and ph-neutral all-purpose cleaners.
▶ Do not use steel wool or sponges that scour or scratch.
▶ Do not use caustic or abrasive cleaning materials or those containing sand, chloride, or acids.

▶ Plastic surfaces: clean by hand with a soft clean cloth, lukewarm water and a little detergent.
▶ Metal surfaces: clean by hand with a soft clean cloth, lukewarm water and a little detergent.
▶ Drain hole: remove any deposits with a thin item such as a cotton bud.

9.6.3 Cleaning the equipment

NOTICE
Improper cleaning!
Damage to the appliance.
▶ Only use soft cleaning cloths and ph-neutral all-purpose cleaners.
▶ Do not use steel wool or sponges that scour or scratch.
▶ Do not use caustic or abrasive cleaning materials or those containing sand, chloride, or acids.

Clean with a soft, clean cloth, lukewarm water and a little washing up liquid:
- Door racks
- Shelf
- Split shelf
- Lid for Fruit & Vegetable-safe
- Drawer
- Variable bottle shelf

Clean with a damp cloth:
- Retracting rails
  Please note: the grease in the tracks is there for lubrication purposes and must not be removed!

Clean in the dishwasher up to 60 °C:
- Bottle rack
- Holder for the split shelf
- Ice cube tray
- FlexCube

▶ Disassemble the equipment: see the relevant section.
▶ Clean the equipment.

9.6.4 After cleaning

▶ Wipe dry the appliance and items of equipment
▶ Connect and switch on the appliance.
▶ Activate SuperFrost (see 7.2 Appliance functions) .
When the temperature is sufficiently cold
▶ Place the food inside.
▶ Repeat cleaning regularly.

10 Customer support

10.1 Technical specifications

Temperature zone	
Cool:	3 °C to 9 °C
BioFresh	0 °C to 3 °C
Freezing	-26 °C to -15 °C

Maximum amount of food to freeze / 24 hours	
Freezer	See type plate under “freezer capacity .../ 24 h”

Max. equipment capacity			
Equipment	Appliance width 550 mm (see installation instructions, appliance dimensions)	Appliance width 600 mm (see installation instructions, appliance dimensions)	Appliance width 700 mm (see installation instructions, appliance dimensions)
Drawer on glass shelf (see 8.5.1 Drawer on appliance base or glass shelf)	12 kg	15 kg	--

Lighting	
Energy efficiency class[1]	Light source
This product contains one or more energy efficiency class G light sources.	LED

[1] *The appliance may contain light sources with different energy efficiency classes. The lowest energy efficiency class is indicated.*

For appliances with a WiFi connection:*

Frequency specification*	
Frequency band	2.4 GHz
Maximum radiated power	< 100 mW
Purpose of the wireless equipment	Integration in the local WiFi network for data communication

10.2 Operating noises

The appliance makes noises while in operation.
- At **less cooling output** the appliance saves energy but takes longer to cool items. The volume is **lower**.
- At **a higher cooling output** the food cools more quickly. The volume is **higher**.

  Examples:
  - Activated functions (see 7.2 Appliance functions)
  - Running fan
  - Freshly sorted food
  - High ambient temperature
  - Door opened for long periods

Noise	Possible cause	Type of noise
Bubbling and splashing	Coolant is flowing into the cooling circuit.	Normal noise
Spitting and hissing	Coolant is spraying into the cooling circuit.	Normal noise

Noise	Possible cause	Type of noise
Humming	The appliance cools. The volume depends on the cooling output.	Normal noise
Sipping noises*	The self-closing door is being opened and closed.*	Normal noise*
Whirring and murmuring	The fan is running.	Normal operating noise
Clicking	Components are being switched on and off.	Normal switching noise
Rattling or humming	Valves are active.	Normal switching noise

Noise	Possible cause	Type of noise	How to resolve
Vibration	Unsuitable installation	Error noise	Check installation. Set up the appliance.

Noise	Possible cause	Type of noise	How to resolve
Clattering	Equipment, Objects inside the appliance	Error noise	Secure equipment parts. Leave a gap between items.

10.3 Technical faults

Your appliance is designed and manufactured for reliable operation and a long service life. If a malfunction nonetheless occurs during operation, please check whether the malfunction is due to an operating error. In this case, you will have to be charged for the costs incurred, even during the warranty period.

You may be able to rectify the following faults yourself.

10.3.1 Appliance function

Defect	Cause	Remedy
The appliance does not work.	→ The appliance is not switched on.	▶ Switch on the appliance.
	→ The power plug is not properly inserted in the wall socket.	▶ Check the power plug.
	→ The powerfuse in the wall socket is not OK.	▶ Check the fuse.
	→ Power failure.	▶ Keep the appliance closed. ▶ Protect food: Place cold storage batteries on the food or use another freezer appliance if the power failure lasts longer. ▶ Do not re-freeze defrosted food.
	→ The IEC socket is not correctly plugged into the appliance.	▶ Check the IEC socket.
The temperature is not cold enough	→ This means that the door of the appliance is not closed properly	▶ Close the appliance door
	→ Insufficient ventilation	▶ Clear and clean the ventilation grille.
	→ The ambient temperature is too high	▶ Problem solution: (see 2.4 Range of appliance use)
	→ The appliance was opened too frequently or for too long	▶ Wait to see if the required temperature corrects itself. If not, contact Customer Service. (see 10.4 Customer Service)
	→ Too much fresh food was placed inside without SuperFrost.	▶ Solution: (see SuperFrost)
	→ The temperature is incorrectly set	▶ Set to a colder temperature and check after 24 hours.
	→ The appliance is too near to a heat source (stove, heater etc).	▶ Change location of appliance or the heat source.
	→ The appliance was not properly installed in the recess.	▶ Make sure the appliance was installed correctly and the door closes properly.
The door seal is defective or should	→ The door seal is interchangeable. You can replace it without the use of any special tools.	▶ Contact Customer Service. (see 10.4 Customer Service)

Defect	Cause	Remedy
be replaced for other reasons.		
The appliance is iced up or condensation is building.	→ The door seal may have slipped out of its groove.	▶ Check the door seal is well placed in the groove.

10.3.2 Equipment

Defect	Cause	Remedy
The interior light does not turn on.	→ The appliance is not switched on.	▶ Switch on the appliance.
	→ The door was open for more than 15 minutes.	▶ If the door is open, the interior lighting switches off automatically after about 15 minutes.
	→ The LED interior light is faulty or the lid is damaged.	▶ Contact Customer Service. (see 10.4 Customer Service)

10.4 Customer Service

First check whether you can rectify the fault yourself (see 10 Customer support) . If you cannot rectify the problem, contact Customer Service.

You can find the address in the enclosed brochure “Liebherr-Service” or at home.liebherr.com/service.

WARNING
Unprofessional repair!
Injuries.
- ▶ Repairs and work on the appliance and the power supply cable not described in the Manual (see 9 Maintenance) should only be carried out by a qualified service provider.
- ▶ A damaged power cable may only be replaced by the manufacturer, the manufacturer’s Customer Service or a similarly qualified person.
- ▶ For appliances with an IEC connector, the change can be made by the customer.

10.4.1 Contacting Customer Service

Make sure that the following appliance information is available:

- ❑ Appliance name (model and index)
- ❑ Service no. (service)
- ❑ Serial no. (S no.)

▶ Call up the appliance information via the display. (see Appliance information)

-or-

▶ Refer to the type plate for appliance information. (see 10.5 Rating plate)

▶ Take note of the appliance information.
▶ Notify customer service: Report errors and the appliance information.
▷ This will help us give you fast and accurate support.
▶ Follow further instructions from Customer Service.

10.5 Rating plate

The nameplate is located behind the drawers on the inside of the appliance.

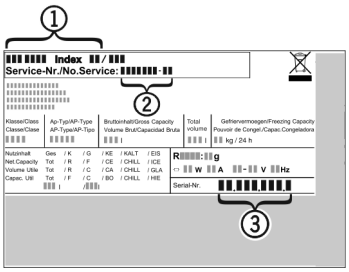


Fig. 122

(1) Appliance name
(2) Service no.
(3) Serial no.

▶ Information from the nameplate.

11 Decommissioning

▶ Empty appliance.
▶ Switch off appliance. (see Switching appliance off and on)
▶ Pull the power plug from the outlet.
▶ If necessary, remove the IEC socket: Pull the IEC socket out of the appliance plug while turning it to the left and right at the same time.
▶ Clean appliance. (see 9.6 Cleaning the appliance)
▶ Leave the door open to prevent unpleasant odors.

12 Disposal

12.1 Preparing appliance for disposal

Li-Ion

Liebherr uses batteries in some of its appliances. In the EU, for environmental reasons, legislation obliges the end user to remove these batteries before disposing of the old appliances. If your appliance contains batteries, a corresponding notice is attached to the appliance.

Lamps — If you can remove the lamps yourself without destroying them, also remove these before disposal.

▶ Take the appliance out of operation.
▶ If possible: Remove lamps without destroying them.

12.2 Disposing of the appliance in an environmentally friendly manner



The appliance still contains valuable materials and must be collected separately from unsorted municipal waste so it can be recycled.





Dispose of batteries separately from the old appliance. You can do this by returning the batteries free of charge to retailers or taking them to recycling centers and collection centers for recyclable materials.

Lamps

Dispose of removed lamps via the respective collection systems.

For Germany:

You can dispose of the appliance free of charge via the class 1 collection containers at the local recycling and recyclable material collection centers. When purchasing a new fridge/freezer, if the sales area > 400 m^2, retailers will also take back the old appliance free of charge.

WARNING
Leaking refrigerant and oil!
Fire. The refrigerant contained within the appliance is environmentally friendly, but flammable. The oil contained within the appliance is flammable. Escaping refrigerant and oil can ignite if they are of high enough concentration and are exposed to an external heat source.

▶ Do not damage the pipelines of the coolant circuit and the compressor.

▶ Observe the notes on appliance transport.
▶ Transport the appliance away without damaging it.
▶ Dispose of batteries, lamps, and the appliance according to the above specifications.



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EN Built-in combined fridge-freezer with BioFresh

Issue date: 20250717

Part number index: 7088442-01

Liebherr-Hausgeräte GmbH
Memminger Straße 77-79
88416 Ochsenhausen
Deutschland