

TRAVEL BOX 75

USER MANUAL



**PORTABLE
REFRIGERATION**

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Safety information

Failure to follow these instructions may result in damage to the appliance or injury to yourself and others.

- Suitable for camping use.
- This product is not designed for marine applications.
- Do not expose the appliance to water, rain, corrosive liquids or strong chemicals.
- Do not operate the appliance near explosive or flammable gasses or materials.
- Do not operate or store the appliance in high-temperature environments.
- Always operate this product on a stable surface.
- Do not invert the refrigerator during operation or storage.
- Do not store explosive or hazardous materials inside the fridge.
- Do not use in restricted spaces or areas with limited ventilation.
- Do not block or cover the ventilation holes.
- Do not push objects of any kind into ventilation slots or holes.
- Do not use the appliance for purposes other than indicated in this manual.
- This appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.
- Children should not play with the appliance.
- Do not attempt to service this product yourself. Refer to a qualified technician.
- Ensure electrical supply meets the input specifications listed on the appliance.
- The appliance can be connected to one source of energy.
- **WARNING :** When positioning the appliance, ensure the supply cord is not trapped or damaged.
- **WARNING :** Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.
- Do not use damaged or modified power cables.
- Do not handle electrical cables with wet hands.
- The appliance is only to be used with the power supply provided.
- Do not fill the interior with liquid or ice without suitable water-tight containers.
- Store foods in original packaging or suitable containers.
- Clean interior surfaces that may be in contact with food regularly.
- Do not use any mechanical devices or other actions to accelerate the defrosting process.
- Do not use electrical devices inside the food storage compartments of the appliance.
- To maximise energy saving, please make sure the fridge lid is closed securely and only opened when needed.

This appliance is intended to be used in household and similar applications such as :

- Staff kitchen areas in shops, offices and other working environments.
- Farm houses and by clients in hotels, motels and other residential type environments.
- Bed and breakfast type environments.
- Catering and similar non-retail applications.

Safety information - continued

When used in a mobile application:

- Secure the appliance with straps or a mounting fixture designed for this purpose.
- Ensure cables are not under tension and are protected from areas of movement.
- Ensure cables are not exposed to sharp edges or risk of crushing.
- Use the appropriate cable size and type for dedicated wiring circuits (see page 5).

Travel Box Range Operation:

- These fridges have been specifically designed to operate up to a 35° angle in mobile applications.
- If the refrigerator has been turned upside down or transported beyond this angle, it is advisable to place the fridge in a horizontal position for 24 hours before starting up the fridge.

(The compressor operates in a lubricating oil which may find its way into the filter drier and cause a blockage in the pipes if the fridge was operated beyond the 35° angle or inverted).

Introduction

Thank you for purchasing a National Luna Travel Box 75 refrigerator.

This product is part of a high-efficiency and high-quality Travel Box range, that has a low profile design which is suited to mobile applications or remote installations such as off-road vehicles, caravans and Trailers.

This refrigerator features a reversable lid that can be re-configured to open in the opposite direction as well as moulded carry handles, which makes it ideal for space-constrained applications.

This product can be powered directly from a 12V or 24V battery.

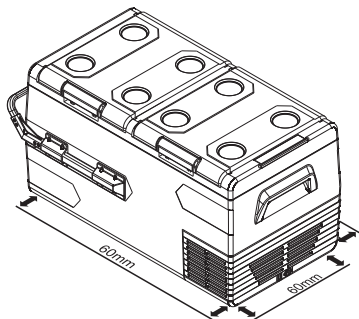
Standard features include: Interior LED lights, two optional rear wheels and an extendable handle for ease of transport, low voltage protection, battery protection cut-out, self-diagnostic fault indicator, MAX and ECO mode function, lower power consumption, a protection jacket and an external AC power supply.

Symbols and terms used in this document

Some symbols are used in this manual or on the product. These symbols have the following meanings.

	Electrical hazard. Risk of electric shock.
	Flammable. Risk of fire
	Important note. Please read carefully
	Tip or useful information
AC	Alternating Current electrical supply.
DC	Direct Current electrical supply.

Ventilation clearance



Slotted openings in the side cover are provided for ventilation; to ensure reliable operation and to protect against overheating. These openings should never be blocked or covered.

A minimum clearance of 60mm is recommended on the back, side and front of the fridge for ventilation.

This product should never be placed in a built-in installation with limited airflow unless adequate ventilation is provided.

Closed compartments should be provided with cool air intake and warm air exhausts.

Guide to electrical wiring

This appliance is optimised for mobile use. Standard 12V accessory sockets used in many motor vehicles can be used but may result in unreliable operation due to thin wiring and result in high voltage loss.

For long-term reliable operation in a motor vehicle or other mobile applications, it is recommended to install dedicated 4mm² (12AWG) wiring between the accessory socket and the power source (battery).

In cases where the distance is above 4 meters, one should use a 6mm² (10AWG) cable. For safety, a 15A fuse should be installed close to the battery on the positive cable.

Protect all cables from potential damage, particularly in applications where the fridge or cables are likely to move, such as in sliding or drawer systems. Protect the cables from sharp edges and areas that may be exposed to high heat.



DO NOT use a modified or damaged power cable. Doing so may result in serious injury or damage to the appliance.

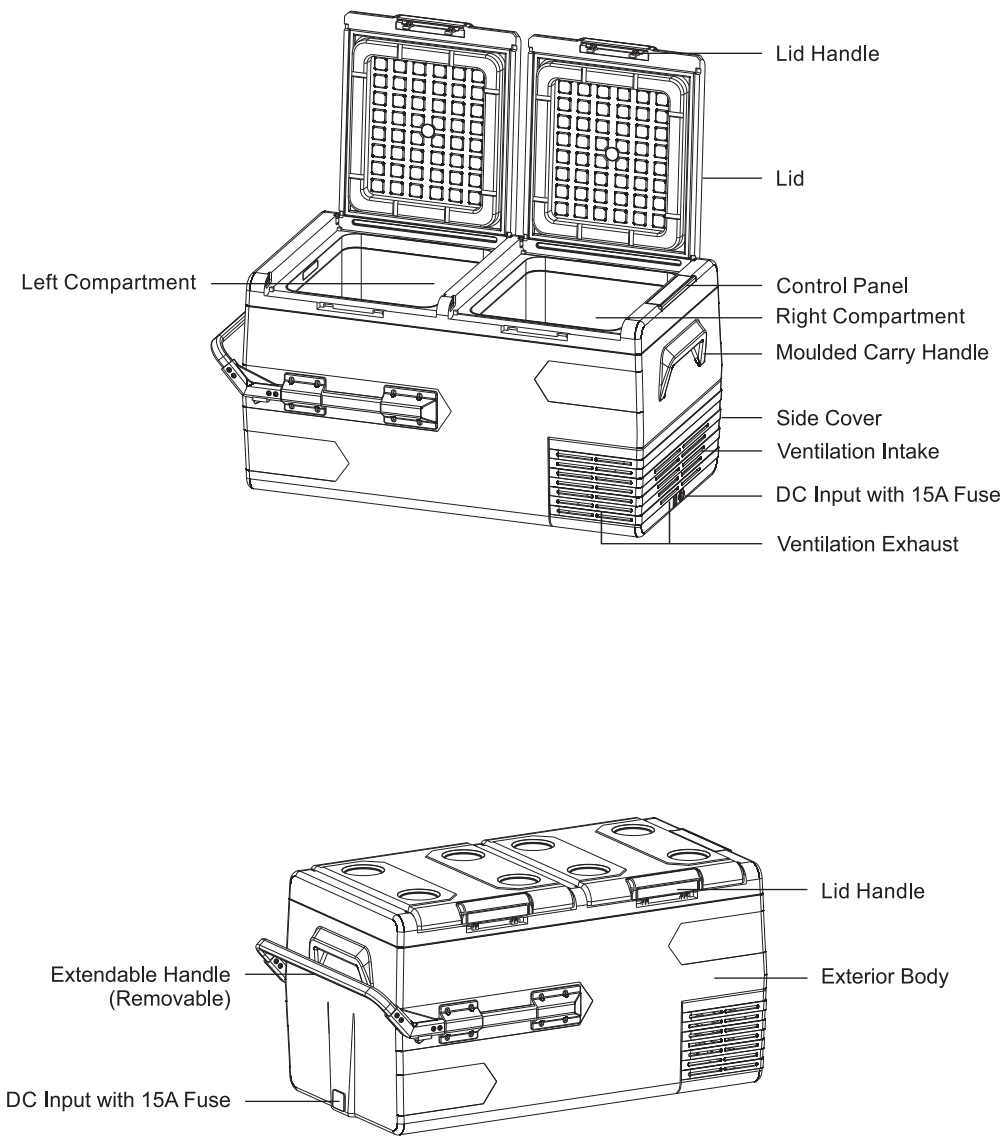


If dedicated wiring is installed to supply the fridge, a 15A fuse should be fitted on the positive cable near to the battery.



Before installation of any additional wiring, check that this action will not void any vehicle warranty or service agreement.

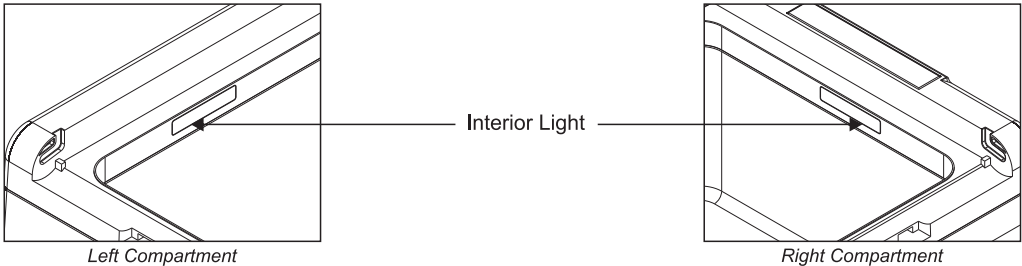
External features



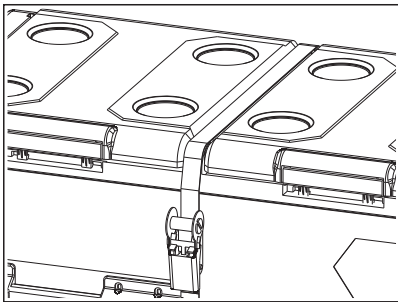
Internal features

This product has an interior LED light in both interior compartments.

The interior lights are positioned at the top of the interior bin, on the side closest to the edge of the fridge exterior.



Tie-down feature - Securing fridge during a mobile application



To secure the fridge, a 25mm strap can be used across the center of the fridge body.

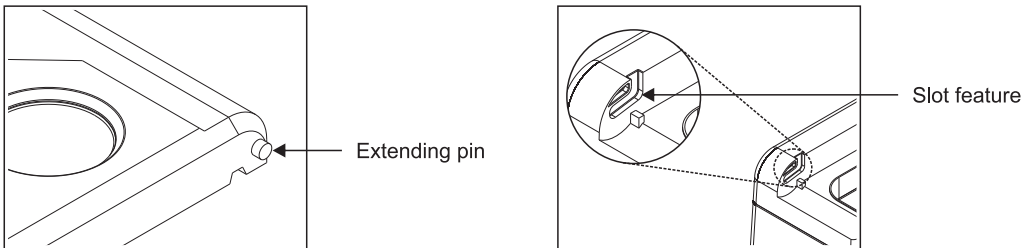
Place the strap in the groove between the two lids and fastened the tie-down point at the side of the fridge.

Take note not to over-tighten the strap, as this can damage the fridge body.

Adjustable feature - Reversible lid

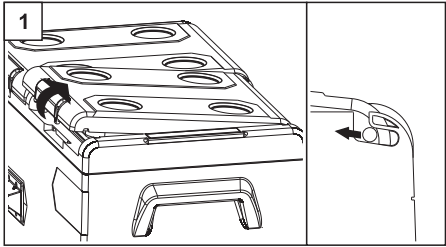
This product has a reversible lid which allows the lid to be removed and attached to the opposite side. This can be useful for applications with limited access.

To facilitate the lid change, both lids have a pin extending at the bottom of the lid on each side as well as a slot feature moulded into the fridge body on both sides. This slot feature allows the lid to be opened and closed repeatedly, without the lid accidentally being removed.

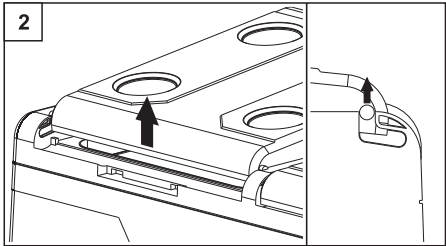


See fitting instruction on the next page.

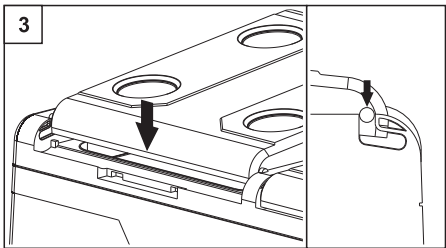
Removing and re-fitting the lid



To remove the lid, it needs to be opened slightly.
Once at the appropriate angle, pull the lid forward within the slot feature at the same angle.



Once the lid reaches the front of the slot feature, raise the lid up along the groove in order to remove it.



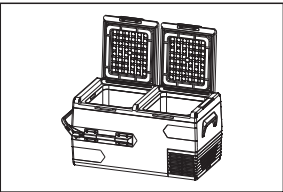
To fit the lid on the opposite side, align the extending pins on both sides of the lid with the moulded slot feature.

Push the lid down into the groove.

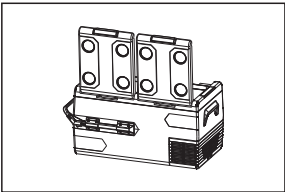
Once at the bottom of the groove, push the lid backward until it reaches the end of the slot feature.

The possible lid configurations for this model can be seen below.

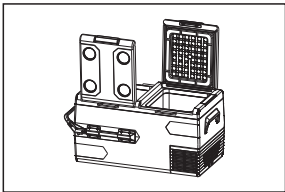
Standard Opening



Reverse Opening



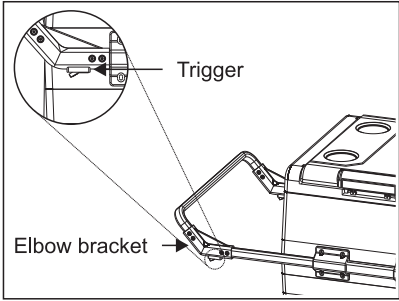
Multi-direction Opening



Mobility features

This fridge is available with an extendable handle as standard. Depending on your application the extendable handle can be removed if it is not required. For ease of transport, the optional accessories such as two rubber feet, two rear wheels together with a mounting bracket must be fitted to the fridge.

Extendable handle (removable)



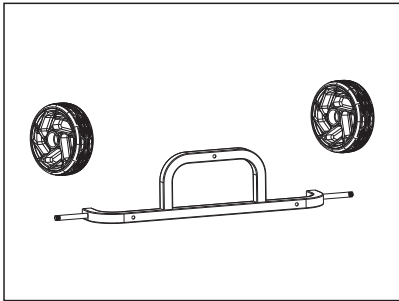
This is a standard feature on the fridge which is used in conjunction with the optional rear mount wheels. The handle allows for a more ergonomic height when transporting the fridge.

To extend the telescopic handle, press the trigger located on both elbow brackets and pull the handle all the way out.

To return the telescopic handle, press the trigger located on both elbow brackets again and push the handle back into its previous position.

If not required for your application or in space constrained applications, the telescopic handle assembly can be easily removed. The moulded carry handles located on the sides of the fridge can then be used to transport the fridge.

Chassis bracket & Rear wheels

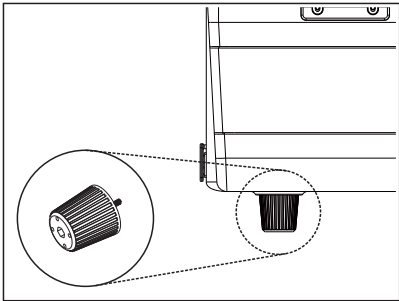


The bracket assembly is an optional feature which the rear wheels are fitted to.

Depending on the required application, this bracket can be fitted to the bottom of the fridge body in order to utilise the two rear wheels for ease of transport.

See fitting instructions on the next page.

Rubber feet

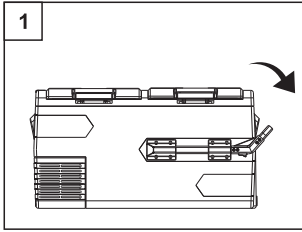


This optional feature is used in conjunction with the rear mount wheels.

The rubber feet are used as spacers to accommodate for the height of the fridge when the two rear wheels are fitted.

See fitting instructions on the next page.

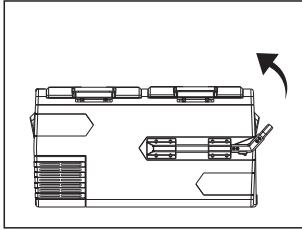
Fitting optional mobility accessories



Tilt the fridge

To access the bottom of the fridge, tilt the fridge onto its side, ensuring that the side with the extendable handle is facing downward.

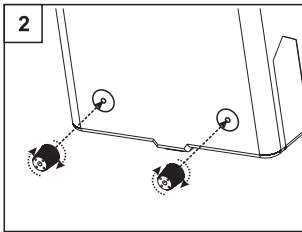
The fridge will be leaning slightly forward in this upright position due to the extendable handle. Ensure the fridge is stable when fitting the optional accessories.



Do not tilt the fridge onto the side with the extendable handle facing upward, as the compressor oils may find its way into the filter drier and cause a blockage in the pipes.



If the refrigerator is powered by a battery, ensure that the inclination angle of the fridge during this fitment does not exceed 45 degrees.



Attach the rubber feet

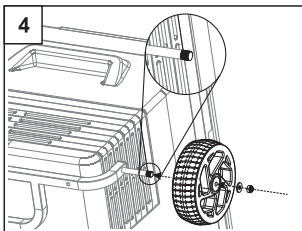
Fit the rubber feet to the designated space at the bottom of the fridge base, by repeatedly rotating the feet clockwise until it is properly secured.

Attach the chassis bracket

Position the chassis bracket at the top of the fridge, with the round bend at the bottom.

Align the three mounting holes on the bracket with the three corresponding mounting holes located on the fridge base.

Once aligned, secure the bracket to the fridge using the 3 x M5 screws supplied.



Attach the rear wheels

Slide the rear wheels onto the axle, extending from the sides of the chassis bracket.

Using the M8 nylock nut and washer set provided, secure the fastener set onto the exposed thread at the end of the axle.

Tighten the nylock nut to properly secure the wheels to the chassis bracket.

Connecting power for 12V / 24Vdc and 240Vac operation

This fridge can be powered directly from a 12V or 24V battery. Additionally, an external AC power supply is provided with the fridge.

Connecting power - 12V / 24Vdc operation

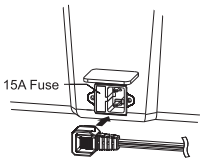
This refrigerator has two DC input sockets, one on each side of the fridge. The left-hand side has a combination DC socket with a 15A fuse, while the right-hand side features a DC input socket and a separate 15A fuse holder.

For battery-powered applications, connect the supplied 1.5mm² (16AWG) DC cable (or approved replacement) into one of the DC input sockets and ensure it is properly inserted.

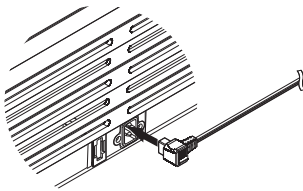
Connect the other end to a 12V / 24Vdc power source.

If connecting to an existing cigarette plug, ensure that the power / voltage supply is sufficient. Additionally, when the DC supply is connected, ensure that when the ignition is turned off, that the power is disconnected as well.

Left side of the fridge



Right side of the fridge



Connect to a lighter plug that has been connected to the ignition, as direct connection to the main battery may deplete the main battery. As a result the vehicle won't start.



When connecting directly to the battery, it is recommended to set the fridge's Battery Protection setting to high. Using a lower Battery Protection setting may result in permanent damage to the battery.



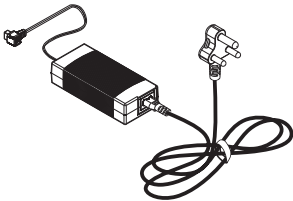
Ensure polarity is correct before connecting the DC supply. Incorrect polarity may result in permanent damage.

Connecting power - 240Vac operation

This product is supplied with an external AC power supply that allows the Travel Box to operate from 100 - 240Vac input.

For AC power sources, connect the supplied AC cable to the input socket and ensure it is properly fitted.

Connect the other end to the AC supply.



Please note:

- When connecting the external AC power supply, make sure that the cable plug is appropriate for the region or country of use and that the cable is not damaged.
- Verify that the external AC power supply's voltage is within the fridge's operating voltage range.
- Do not place AC plug adaptors or power supplies on or behind the fridge.

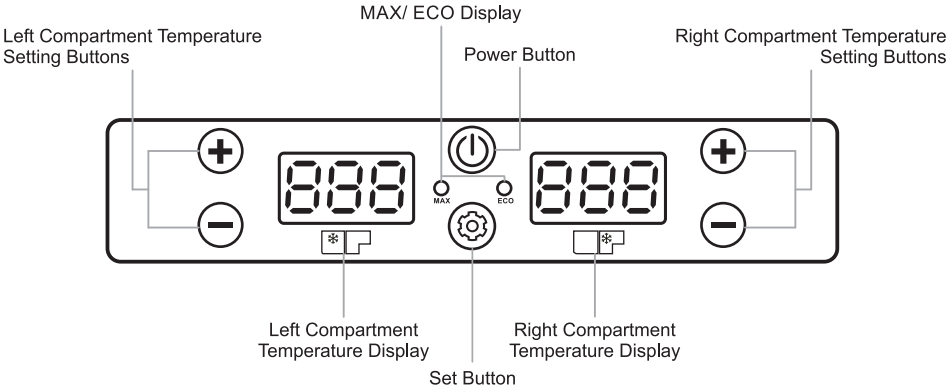


Although the NL75 Travel Box has two DC inputs, only one can be utilised at a time. To power the unit, use either the external AC power supply or a DC power source, on one of the power inputs. The external AC power supply and DC power source cannot be used simultaneously on the different inputs.

User interface

This control panel has two digital temperature displays. It also features two temperature displays modes, three battery protection settings as well as a MAX and ECO mode function, which is indicated by the lights between the displays.

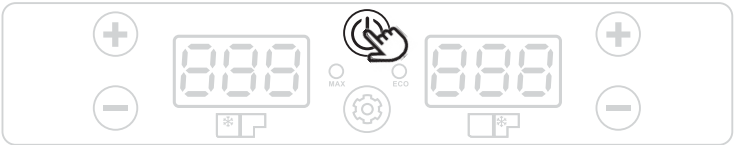
Display and button layout



The Left Compartment refers to the bin closest to the side with the extendable handle, while the Right Compartment refers to the bin on the compressor side with the side cover.

Powering on the fridge

When the fridge is connected to a power source , press the “⏻” button to power the fridge on or off.



When there is a power interruption, the fridge will automatically revert to its previous power state.

If the fridge’s display was switched off prior to being disconnected, when the fridge is re-connected to a power source, both displays will flash “888” once and remain off until the “⏻” button is pressed to power on the display.

Note: The interior light will always operate when the fridge is connected to a power source, even when the display is powered off.

Adjusting the temperature

While the fridge is powered on, press “+” to increase and “-” to decrease the fridge’s temperature. The temperature range that the fridge can be set to, is between -20°C (lowest) and +20°C (highest).

Note: The lower the temperature setting, the more power is consumed.



Note: To fast scroll through the temperature range, hold down “+” or “-” respectively.



Disabling a compartment

While the fridge is powered on, press and hold “⚙️” and “-” on the desired compartment that you want to power off, in order to disable that compartment.

Note: Only one compartment can be disabled at a time.



To utilise the disabled compartment once again, press and hold “⚙️” and “-” to power on that compartment.



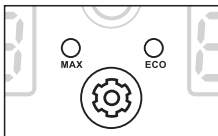
When storing the fridge, ensure that both of the compartments are powered on before disconnecting the power, to avoid a compressor start-up error.



In the case that a power interruption has occurred while one of the compartments were disabled, the compressor will have a start-up error when power is returned. To fix this error, power on the disabled compartment which will start-up the compressor.

Switching between MAX and ECO mode

The fridge has two cooling modes. Based on your preferred application, the fridge can be set to either of these modes.



MAX mode will increase the cooling performance of the fridge, but at the expense of increased energy consumption.

ECO mode will lower the cooling performance of the fridge in order to lower the overall energy consumption.

While the fridge display is powered on, press the “⚙️” button to switch between MAX and ECO mode.

Adjusting battery protection setting

Battery protection is used to prevent excessive discharge and potential damage to a source battery. The choice of setting will depend on the specific application.

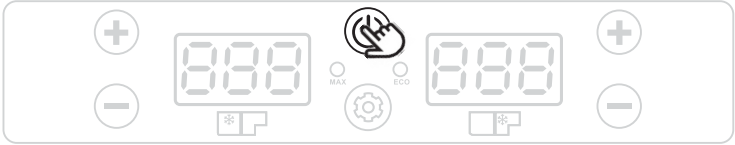
HIGH is recommended when powering the fridge direct from a vehicle main battery. This provides the highest protection level.

MED is recommended for most applications where a deep-cycle auxiliary battery is used to power the fridge.

LOW can be used to prioritize fridge run-time over battery discharge.

Battery Protection Levels						
Protection Level Power Source	HIGH		MED (Factory Default)		LOW	
Display	:: ::		:: ::		- - -	
	Start-Up	Cut-Off	Start-Up	Cut-Off	Start-Up	Cut-Off
12V	12.4V	11.1V	11.7V	10.4V	10.9V	9.6V
24V	25.7V	24.3V	24.2V	22.8V	22.7V	21.3V

In order to select one of the Battery Protection levels, the fridge needs to be connected to a power source, but have the display powered off (stand-by mode). Press the “⏻” button to power off the fridge’s display.



Once the display is powered off, hold “⊕” and “⊖” on the right bin compartment, down simultaneously for 3 seconds.



Please note: If these buttons are pressed while the unit is powered on, F1, F2 or F3 will be displayed. This indicates a specific manufacturing setting for the fridge and should be ignored (the fridge will default back to its original setting after 5 seconds).

Adjusting battery protection setting - continued

The display will reflect the current battery protection level.



Press “+” to increase the battery protection mode from Low to Medium or High

Low battery protection setting



Medium battery protection setting



Press “-” to lower the battery protection mode from High to Medium or Low.

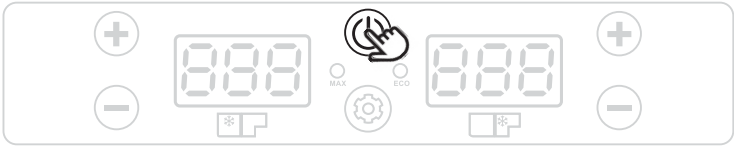
High battery protection setting



After the preferred battery protection level has been selected, allow a 5 second delay in order for the new setting to be saved.

Switching between Celsius (°C) and Fahrenheit (°F) display

In order to switch between the temperature display modes, the fridge needs to be connected to a power source, but have the display powered off (stand-by mode). Press the “⏻” button to power off the fridge’s display.

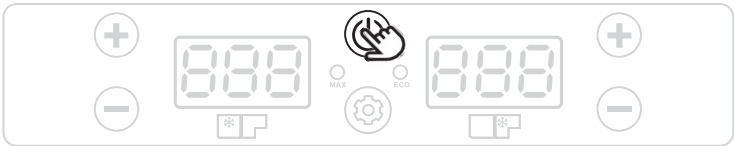


Once the display is powered off, hold “⊕” and “⊖” on the right bin compartment, down simultaneously for 3 seconds.



 **Please note:** If these buttons are pressed while the unit is powered on, F1, F2 or F3 will be displayed. This indicates a specific manufacturing setting for the fridge and should be ignored (the fridge will default back to its original setting after 5 seconds).

The display will reflect the current battery protection level. Press the “⏻” button to cycle to the temperature display setting.



The display will reflect C or F, depending on your current setting. Press “⊖” to change the temperature display mode from °C to °F or “⊕” to change the temperature display mode from °F to °C.

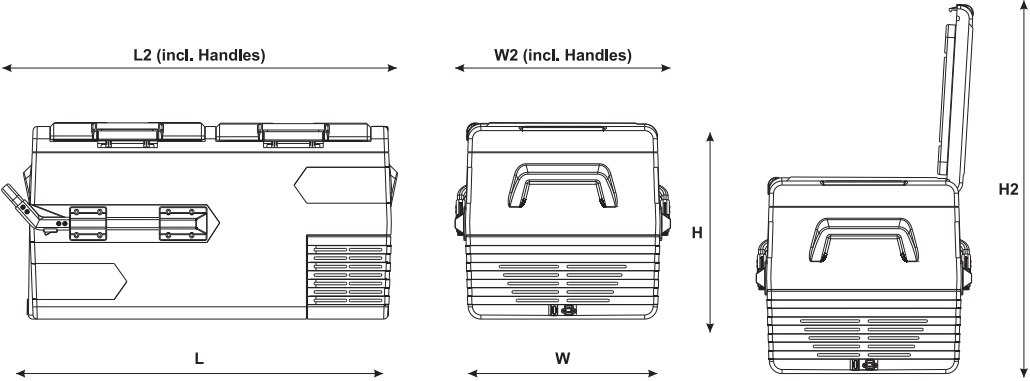


After the preferred temperature display mode has been selected, allow a 5 second delay in order for the new setting to be saved.

Specifications

Fridge:	
Capacity	75L
Approximate Bin Capacity	Left Bin: 43.00L Right Bin: 32.00L
Weight	25.50 Kg
Temperature range	-20°C to +20°C (-4°F to 68°F)
DC power supply:	
DC supply voltage	12V / 24V
DC input fuse	15A
Rated power	70W
Rated current	7.0A / 3.5A
External AC power supply:	
AC supply voltage	100 - 240V 50/60Hz
Other:	
Refrigerant type	R134a
Insulation	C-Pentane
Operating environment	32°C (90°F)

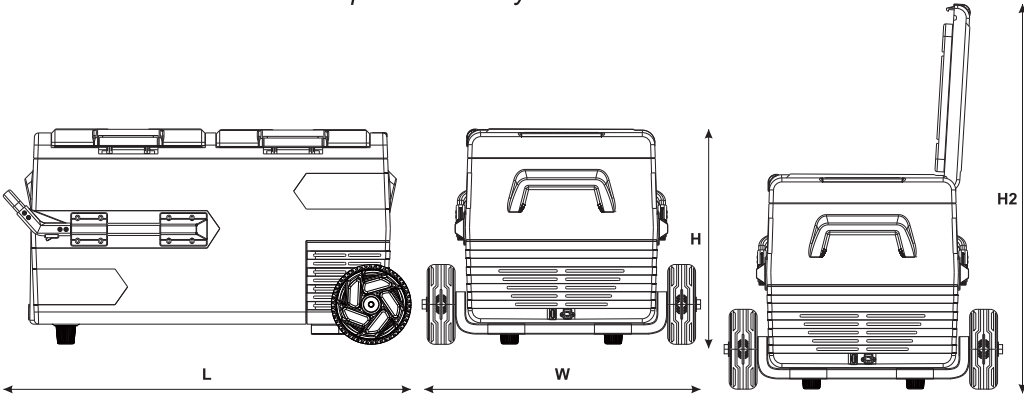
Product dimensions - standard assembly



Model	Length (L) in mm	Length (L2) incl. Handles in mm	Width (W) in mm	Width (W2) incl. Handles in mm	Height (H) in mm	Open Height (H2) in mm
NL75	885	946	465	520	470	870

* While every effort is made to ensure documentation is correct, specifications may change without prior notice.

Product dimensions - with optional mobility accessories



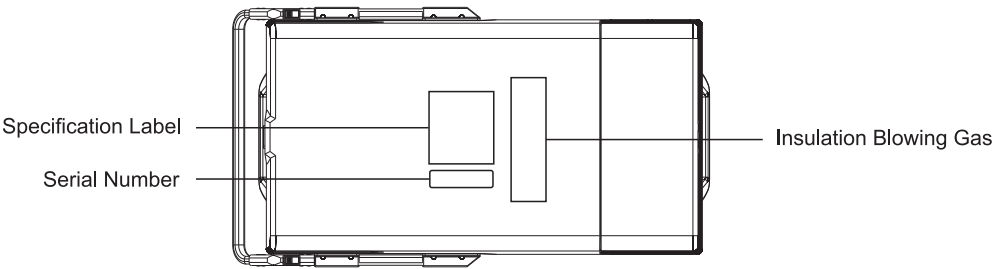
Model	Length (L) in mm	Width (W) in mm	Height (H) in mm	Open Height (H2) in mm
NL75	960	625	505	905

* While every effort is made to ensure documentation is correct, specifications may change without prior notice.

Serial number and Specification label

A unique serial number, specification label and insulation blowing gas sticker is located on the bottom panel of the fridge.

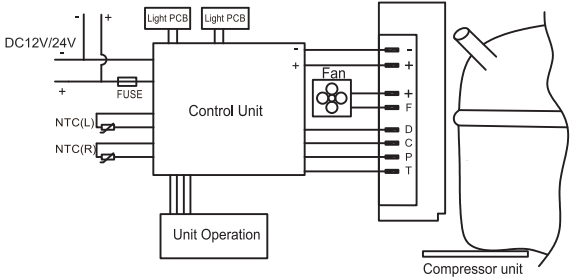
Take note of the serial number when contacting technical support or making a warranty claim. Do not remove the serial number sticker.



The specification label will indicate the fridge's operating voltages and current rating. Before connecting your fridge to a power source, make sure the voltage is within the indicated voltage range.



Model	NL75 Travel Box	 
Compartment type	Refrigerator	
Climatic Class	SN/N/ST/T	
Appliance Class		
Rated Voltage DC	12V / 24V	
Rated Current DC	7.0A / 3.5A	
Refrigerant Type	R134a (75g)	
Insulation Blowing Gas	C ₅ H ₁₂ /C-Pentane	



DC12V/24V

Light PCB

Light PCB

FUSE

NTC(L)

NTC(R)

Control Unit

Fan

Unit Operation

Compressor unit

SN.

www.nationalluna.com

Made in China

Defrosting

It is normal for ice to accumulate on the cooling surfaces of a freezer. This will be more significant in humid environments. Increased ice build-up will reduce cooling performance and should be removed periodically.

Useful tips:

- Before defrosting, remove any contents of the fridge or freezer compartments.
- Disconnect all power cables from the fridge and open the main door.
- Allow any ice to defrost and melt by itself (Do not use sharp objects to scrape ice from the cooling surfaces).
- Use a soft cloth to remove melting ice and water.
- It is best to dry the interior before turning on the fridge.

Care and cleaning

Exterior:

- Use a soft cloth with mild detergent if necessary to clean the exterior of your fridge.
- Make sure surfaces are dry before storage (leaving the lid slightly opened to ventilate).
- When storing the fridge, ensure the power is disconnected.

Interior:

The interior should be cleaned regularly to prevent bacteria and odours from forming.

- Use a soft cloth with mild detergent or anti-bacterial soap, do not use abrasive or strong chemicals.
- Do not use ammonia-based cleaning agents or strong acids.

The ventilation intake on the rear of the fridge may accumulate dust or debris over time. Check the vents regularly and blow out any dust or remove any loose debris.



A blocked air intake can result in poor cooling performance and increased power consumption.

Storage when not in use

When your fridge is not in use, it is best to clean the interior and exterior prior to storage.

It is recommended to:

- Turn off the fridge and remove any power cables.
- Keep the lid open to allow air to circulate inside the fridge (This will help keep the interior dry and prevent odours).

Recommended temperature settings

Fruits, vegetables, dairy products, unfrozen meats.	3°C to 6°C	37°F to 43°F
Cold beverages	0°C to 5°C	32°F to 41°F
Short-term frozen meats	-6°C to -10°C	21°F to 14°F
Frozen meats & fish	-10°C to -12°C	14°F to 10°F



Setting temperatures below the above recommendations will consume more power, resulting in the fridge running continuously at high ambient temperatures.

Optimising efficiency

Follow these simple tips to reduce your fridge's energy consumption:

- Keep your fridge in a cool, well ventilated area.
- Set the internal temperatures appropriate for the contents.
- Avoid opening the lid more than necessary.
- Load pre-frozen foods into the freezer or freeze the contents when the external AC power supply is used.
- With a Dual Compartment fridge, it is best to defrost frozen foods by moving them from the freezer to the fridge compartment. This will help keep the fridge contents cool and also prevent bacterial growth.

Note: This will increase the defrost time so careful planning is required.

Fault diagnostics

There are several parameters being monitored by the fridge during operation. If a fault is detected, it will be identified by an error code on the display. The error code will indicate which fault has been detected.

Code	Description	Action
E1	Battery voltage is low.	Check battery voltage and adjust the Battery Protection settings as required (see detailed explanation on page 22, the fault table for further clarity on Lead-Acid Batteries).
E2	Fan failure.	Unplug and restart the fridge after 5 minutes. If the error persists, refer the fridge for service.
E3	Compressor start-up error.	
E4	Compressor's running speed fails to reach the requirements.	Check and confirm whether the power supply voltage is stable. If the error persists, refer the fridge for service.
E5	The compressor driver electronics have overheated.	Please check and ensure that the air vents are not blocked and the fan is operational. If the error still persists, refer the fridge for service.
E6	Temperature Probe NTC failure.	The temperature sensor might need to be replaced. Refer the fridge for service.

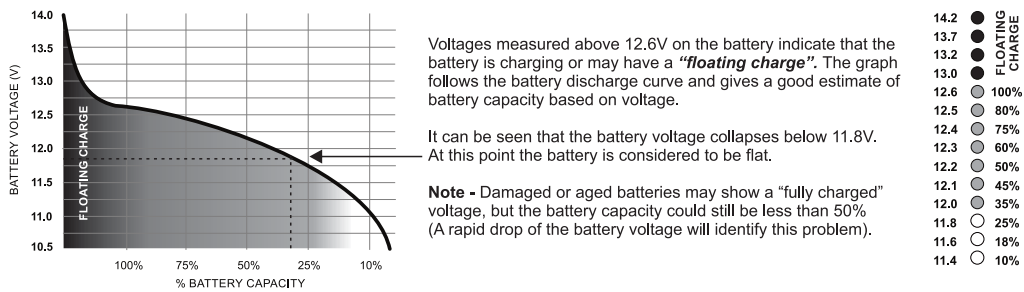
Fault diagnostics - continued

The Battery Protection mode may be triggered prematurely on certain vehicles due to thin wiring imperfections, which contribute to a measured DC voltage drop at the compressor on start-up. By lowering the Battery Protection setting, it may resolve this issue. See page 14 for the Battery Protection guide.

Additionally, if error code E1 is displayed while the fridge is operating on 12Vdc, test the fridge on 240Vac using the 240V power supply / adaptor provided. If the fridge functions correctly, this will indicate that the fault is on the 12Vdc power input.

Next, check the Battery Voltage reading at the battery terminals to ensure that the battery is not depleted or discharged too severely. The following graph gives an indication of a typical motor vehicle Lead-Acid battery discharge curve.

Typical voltage-capacity relationship of a lead-acid battery at 25°C



Battery technology is constantly improving. It is advisable to research the manufacturer’s battery specifications to see if it is suitable for your application, before purchasing a battery.

Technical data contained in this manual:

Due to ongoing product development and design, some drawings within this manual may differ from the actual product. National Luna reserves the right to change any information contained in this document without prior notice. National Luna will not be held responsible for errors or omissions in this document.



At the end of this product’s life, do not dispose with normal household waste. This appliance should be disposed of responsibly by delivering to an appropriate recycling or waste-disposal facility.

Key Information:

Make a note of key information relating to your refrigerator below and keep the booklet in a safe place.

Supplier's Name: _____

Date Purchased: _____

Invoice Number: _____

Model Name: _____

Serial Number: _____

Warranty and Service Information



South Africa

This warranty is only valid within the borders of South Africa.
Refer to International section for warranty information outside of South Africa.

National Luna Limited 3-Year Warranty

National Luna provides a warranty to the original purchaser, that any genuine National Luna product purchased from an authorised reseller will be free from defects in materials and workmanship for a special length of time from the date of purchase. The warranty period will vary by specific product, as identified in your user documentation or on the product package.

This warranty applies to the original purchaser and is not transferable, except where required by applicable law.

In general, this warranty means your National Luna product will operate in accordance with the product manual, specified voltage range and environmental conditions as outlined in the official documentation.

This warranty supercedes all other advertised warranties for this product. No National Luna dealer or other agent is authorised to make any modification, extension or addition to this warranty.

National Luna shall, at its sole discretion, repair or replace and product, provided it is returned to the original place of purchase, or another place as directed by National Luna, with the original sales receipt (or valid copy thereof).

Warranty returns to the factory for repairs - in the event where the unit has been shipped to the factory for repairs, transport costs will be for the owners account.

National Luna shall not be responsible for any damage or loss that occurs during shipping or transport to a service centre or repair facility.

National Luna may consider a warranty void if modifications have been made to the product that may affect proper operation.

National Luna shall not be responsible for damage to the product is service or maintenance is undertake by non-authorised persons.

National Luna will not be responsible for damage or injury as a result of connecting the product to an unsupported power source or voltage outside of the product operating specifications.

National Luna shall not be responsible for damage or injury resulting from negligent use, storage of hazardous chemicals, use of corrosive substances, fire, flood, civil disturbances, lighting or any other natural phenomenon.

National Luna shall not be responsible for any consequential loss or damage caused by, or due to the malfunction of this product.

National Luna reserved the right to refuse warranty if the original proof of purchase (or valid copy thereof) cannot be produced.

If this product is installed in a motor vehicle, it may require connection to the vehicle electrical system, it is the owners' responsibility to determine if the installation of the product will affect the safe operation of the vehicle or the vehicle warranty. National Luna shall not be responsible if such warranty is rendered void by the motor manufacturer.

Incorrect installation, including improper wiring, inadequate ventilation or failure to follow installation guidelines, may void the warranty.

Should a product be replaced under warranty, the replacement will carry the balance of the warranty from the original product, unless otherwise stated.

Any products that are not collected within 3-months following service or repair may be sold defray expenses.

Exclusions

This warranty does not cover problems or damage resulting from, but not limited to, any of the following:

1. Wear and tear associated with normal use.
2. Fuses, bulbs, fans or other consumable parts.
3. Any modification, abuse, accident, disassembly, misapplication or un-authorised repair.
4. Removal of any manufacturer labels or stickers.
5. Any improper operation, including any use not in accordance with supplied product instructions.
6. Connection to any improper voltage supply as outlined on the product or in the product documentation.
7. Any other cause which does not relate to a product defect in materials or workmanship.
8. Any 3rd party products included with the returned product (i.e plugs, chargers, cables, batteries)
9. Where service is performed by an authorised service agent, any costs relating to labour are excluded from this warranty.
10. Damage caused by power surge, incorrect voltage supply, improper battery systems or water ingress not consistent with the product's IP rating.
11. These fridges are designed for recreational use. The warranty may be voided when the fridge is used in a commercial application where the product is exposed to abnormal / excessive use.

Also excluded from this warranty are counterfeit products. These would be products that National Luna, at its sole discretion, determine were not manufactured by National Luna or any of its authorised manufacturing partners.

Service out of warranty

National Luna provides service and repair to product that are no longer covered by a valid warranty.

Such service or repair may incur costs for assessment or testing in addition to any parts and labour required to perform the repair.

Any service or repair will carry a minimum of 6-month warranty on parts from the date of service unless stated otherwise.

National Luna will continue support for obsolete products for as long as possible but availability of parts for obsolete products cannot be guaranteed and the product may be deemed uneconomical to repair.

How to make a warranty claim

Before submitting a warranty claim, we suggest you contact our technical support or visit www.nationalluna.com and review the support section for technical assistance. You may also submit a request for technical support from the contact form or send an email to the address listed. Please provide the model number and serial number of the product when contacting technical support, making a claim or returning a product for service.

Generally, valid warranty claims should be processed through your original point of purchase.

Please verify the returns policy with the retailer where you purchased your product as additional charges or restrictions may apply. Any warranty claim that cannot be processed through your original point of purchase should be addressed directly to National Luna.

Any products returned to National Luna or authorised service agents should be approximately protected and packaged with your personal details included.

National Luna reserves the right to perform testing on any returned product to validate a warranty claim.

Assessment fees may apply to products returned for testing, including those that are found to not be defective.

International - (regions outside of South Africa)

National Luna products are distributed worldwide through a distribution network. Authorised importers in a particular country will carry the product service and warranty and may have additional terms and conditions in-line with their conditions of sale.

If National Luna products are sold or imported into a country by persons other than authorised National Luna distributors, no local warranty applies. Products are then required to be returned to National Luna in South Africa where the standard terms of warranty will then apply. The cost of freight, duties, taxes or other costs are for the customer's account.

The warranty is valid in the country of purchase - National Luna products that are exported by private individuals shall not carry a warranty in the destination country even if that country has an existing authorised service agent.

National Luna South Africa
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Warranty terms and conditions may change periodically.
Please check **www.nationalluna.com/warranty** for the most recent warranty terms.
March 2026 Edition

Distributed and Serviced by National Luna

Issue 2: August 2026