RIKA
QUALITY GUARANTEED.

Owner's Operating Manual
Model No: RK40B4

RK40V

4.0Ah Li-ion Battery

IMPORTANT! PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE ALL SAFETY INSTRUCTIONS AND WARNINGS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY CAUSE DAMAGE TO PROPERTY AND/OR PERSONAL INJURY.

KEEP THESE INSTRUCTIONS SAFE AND AVAILABLE FOR FUTURE REFERENCE.

Certificate of Guarantee

This product is guaranteed for a period of 1 year, with effect from the date of purchase and applies only to the original purchaser. This guarantee applies to defects arising from, defective materials or faulty workmanship that become evident during the guarantee period only and does not include consumable items. The manufacturer will either repair or replace the product at their discretion, subject to the following.

That the product has been used in accordance with the guidelines as detailed in the product manual and that it has not been subject to misuse, abuse or used in a purpose for which it was not intended. That it has not been taken apart or tampered with in any way whatsoever or has been service by unauthorised persons or has been used for hire purposes.

Transit damage is excluded from this guarantee.

Claims made under this guarantee must be made directly to Customer Service: 01332 576 850 within the guarantee period. Receipt and proof of purchase required.

The manufacturer shall not be liable for any special, exemplary, direct, indirect, incidental or consequential loss or damage under this guarantee.

Introduction

Thank you for purchasing this product which has passed through our extensive quality assurance process. Every care has been taken to ensure that it reaches you in perfect condition. However, in the unlikely event that you should experience a problem, or if we can offer any assistance or advice please do not hesitate to contact our customer service.

Safety First
Before attempting to operate this product the following basic safety precautions should always be taken to reduce the risk of fire, electric shock and personal injury. It is important to read the instruction manual to understand the application, limitations and potential hazards associated with this product.

After-Sales Service

Should you require any further assistance regarding your product or in the unlikely event of a defect occurring, please contact us at **rikapowertools.com**. When contacting us, be ready to provide the product Model No: and the serial number found on the product.

Intended Use

The battery pack is compatible with all devices from the RIKA 40V cordless tool range. Any other application beyond the conditions established for use will be considered misuse. RIKA accepts no responsibility for improper use of this product.

Important Safety Instructions

Due to continued product refinement policy, product features and specifications can and will change without notice.

Check current features and specifications with your retailer.

The purpose of safety rules is to attract your attention to possible dangers. The safety symbols and the explanations with them, require your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instruction or warnings they give are not substitutes for proper accident prevention measures.

SAFETY ALERT SYMBOL

Indicates danger, warning, caution or notice. May be used in conjunction with other symbols or pictures.

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, could result in minor or moderate injury.

NOTICE indicates information considered important, but not hazard-related (e.g., messages relating to property damage).

Failure to obey a safety warning can result in serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.

Do not attempt to operate this tool until you have read thoroughly and completely understood the safety rules, etc. contained in this manual. Failure to comply can result in accidents involving fire, electric shock or serious personal injury. Save this Owners Operating Manual and review it frequently for continual safe operation and for instructing others who may use this tool.

RIKA 40V BATTERY

This 40V RIKA battery may only be charged with the following RIKA chargers:

2.4A Fast Charger: RK40FC2
4.0A Fast Charger: RK40FC4
4.5A Dual Fast Charger: RK40DFC4

Charging with wrong chargers or using with wrong tools may cause unexpected problems resulting in damage to properties, serious personal injury or even death.

SPECIFIC SAFETY WARNINGS

WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this battery pack. Failure to follow all instructions listed may result in electric shock, and/or serious injury.

Important Safety Instructions

Operations for which the battery pack was not designed may create a hazard and cause personal injury.

Do not use accessories which are not specifically designed and recommended by the tool manufacturer. Just because the accessory can be attached to your battery pack, it does not assure safe operation.

The product is not intended for use by children or persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge.

Children should be adequately supervised to ensure they do not play with the product.

The battery pack for this tool has been shipped in a low charge condition. You should charge the battery pack fully before use.

Do not incinerate the battery pack even if it is seriously damaged or can no longer hold a charge. The battery pack can explode in a fire.

Batteries can explode in the presence of a source of ignition, such as a pilot light. To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. An exploded battery can propel debris and chemicals. If exposed, flush with water immediately.

Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has been dropped or received a sharp blow. A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery immediately.

A small leakage of liquid from the battery pack may occur under extreme usage or temperature conditions. This does not necessarily indicate a failure of the battery pack.

However, if the outer seal is broken and this leakage comes into contact with your skin wash the affected area quickly with soap and water. If the leakage gets in your eyes flush your eyes with clean water for a minimum of 10 minutes and seek immediate medical attention.

Inform the medical staff that the liquid is a 25-35% solution of potassium hydroxide.

Never attempt to open the battery pack for any reason. If the plastic housing of the battery pack breaks open or cracks, immediately discontinue its use and do not recharge it.

Do not store or carry a spare battery pack in a pocket or toolbox or any other place where it may come into contact with metal objects. The battery pack may be short-circuited causing damage to the battery pack, burns or a fire.

Do not charge battery tool in a damp or wet location. Following this rule will reduce the risk of electric shock.

For best results, charge the battery tool in a location where the temperature is more than 10°C but less than 37°C. To reduce the risk of serious personal injury, do not store outside or in vehicles.

BATTERY CHARGING INFORMATION
Charging rates for Li-ion batteries are determined by the time taken to fully charge the battery and are determined by the charge current.

Important Safety Instructions

The three most commonly used charging rates are typically:

Fast charge.
Slow charge.
Trickle charge.

FAST CHARGE BATTERIES
The charging rates for fast charge batteries can vary between 30 minutes and 90 minutes. The charging rate for the battery supplied with a cordless power tool is stated in the product manual.

SLOW CHARGE BATTERY
The charging rates for slow charge batteries are between 3 hours and 5 hours.

TRICKLE CHARGE BATTERIES
The charging rates for trickle charge batteries are between 7 hours and 9 hours.

IMPORTANT LI-ION BATTERY CHARGING INFORMATION
Always fully discharge a Li-Ion battery before charging and never exceed the charging rate time, except when "conditioning" a new battery.

CHARGING BATTERIES
When charging a new battery pack it should be fully discharged followed by a full charge for the charging rate for the battery as stated in its product manual plus 30 minutes. This should then be followed by a full discharge and a further full charge for the charging rate for the battery as stated in its product manual plus 30 minutes. This procedure will condition the battery and equalise the cell voltages. Following this procedure will ensure the optimum operation of the battery.

When repeatedly using a charger to charge a number of batteries always allow the charger to cool down before charging another battery. It is recommended that the cooling down period is not less than 30 to 45 minutes.

When charging a battery that has been discharged during heavy use allow the battery to cool down before charging. It is recommended that the cooling down period is not less than 30 to 45 minutes.

NOTE: If the charger does not charge the battery pack under normal circumstances, return both the battery pack and charger to the nearest RIKA authorised service centre for electrical check.

Battery packs need to be recharged with a reasonable amount of care, largely because they can be damaged by overcharging.

Overcharging can result in the battery temperature and internal pressure to rise rapidly. This can cause the cells to distort and lose electrolyte, and in extreme cases where the internal pressure is extremely high they can even explode. This situation can also arise when an overcharged battery is fitted to the product and is being used. In order to avoid this extreme situation it is of vital importance that Li-Ion batteries are fully discharged before charging and that the charge time is not exceeded except when "Conditioning" a new battery. Repeated charging of partially discharged batteries could cause failure of one or more of the cells.

Important Safety Instructions

SELF DISCHARGE
A lithium battery can self discharge and lose its stored charge. Typically it can lose approximately 5% of its charge in the first month after fully charging (when stored at room temperature), and then loses it by a further 3% per month. When stored at higher temperatures the self discharge rate will be accelerated.

BATTERY CHARGING INDOORS
Chargers are designed to be used indoors. We do not recommend that chargers are used inside your home. Ideally batteries should be charged on a bench in a workshop, garage or shed.

If the charging operation is to be carried out in your home the area must be well ventilated and the charger must be placed on a non combustible surface ensuring that the ventilation slots are not blocked. Never exceed the charging time except when "Conditioning" a new battery, as this could damage a battery and charger.

ADDITIONAL SAFETY INSTRUCTIONS FOR RE-CHARGEABLE BATTERIES
Batteries may leak or explode if not charged or handled correctly. Always observe the following precautions when handling batteries. Ensure that the machine is switched off before removing or fitting batteries.

Do not use a battery with any other product that is not recommended.

Do not attempt to fit a battery the wrong way round.

Do not short out, or attempt to dismantle a battery.

Do not expose a battery to flames or excessive heat.

Do not immerse in or expose a battery to water.

Do not store or transport a battery with loose metal objects such drill and driver bits.

Batteries are prone to leakage when discharged. To avoid damage to the product, remove or re-charge the battery when no charge remains. Store the battery in a cool place when not in use.

After prolonged use a battery may become hot. Before removing a battery, switch the machine off and allow the battery to cool down. Do not use the battery if you notice any discolouration or distortion of the battery casing.

BATTERY DISPOSAL
When a battery fails to charge or maintain its charge, its usable life is exhausted. To preserve natural resources, please recycle or dispose of a battery pack properly. Before disposal ensure that the battery pack is fully discharged by operating your cordless product then remove the battery pack from the tool housing and cover the battery pack connections with heavy duty tape, to prevent short circuit and energy discharge which could result in a fire. Do not attempt to open or remove any of the components.

Consult your local waste authority for information regarding available recycling and / or disposal options.

Safety Symbols

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

SYMBOL	DESIGNATION/EXPLANATION
	Indicates danger, warning or caution. It means attention!!! Your safety is involved.
	Your manual contains special messages to bring attention to potential safety concerns as well as operating and servicing information. Please read all the information carefully to ensure satisfaction and safe use.
MAX 50°C	Do not store or use battery in temperatures exceeding 40°C.
	Do not incinerate the battery.
	Do not get battery wet.
LI-ION	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.
UK CA	Conforms to relevant safety standards.

Components & Controls

01. Battery release catch
02. Raised ribs
03. Charge level indicator button
04. Charge level indicator

Technical Specification

Rated Voltage:	40V DC
Type:	Lithium-ion
Capacity:	4.0Ah
Weight:	0.96kg

Charging Times	
With RK40FC2 Charger:	~ 109 mins
With RK40FC4 Charger:	~ 69 mins
With RK40DFC4 Charger:	~ 60 mins

Unpacking

CAUTION. This packaging contains sharp objects. Take care when unpacking.

Remove the machine, together with the accessories supplied, from the packaging. Check carefully to ensure that the machine is in good condition and account for all the accessories listed in this manual. Also make sure that all the accessories are complete.

If any parts are found to be missing, the machine and its accessories should be returned together in their original packaging to the retailer. Do not throw the packaging away, keep it safe throughout the guarantee period, then recycle if possible, otherwise dispose of it by the proper means. Do not let children play with empty plastic bags due to the risk of suffocation.

Charging Batteries

WARNING. Do not use this product if it is not completely assembled or if any parts appear to be missing or damaged. Use of a product that is not properly and completely assembled or with damaged or missing parts could result in serious personal injury.

WARNING. Do not attempt to modify this product or create accessories or attachments not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

WARNING. If at any point during the charging process none of the LEDs are lit, remove the battery pack from the charger to avoid damaging the product. DO NOT insert another battery. Return the charger and battery to your nearest service centre for service or replacement.

CHARGING THE BATTERY
This battery has been shipped in a low charge condition, and requires charging prior to use. Allow several cycles of charging and discharging (through use with a compatible charger) for the battery to reach its optimum performance/runtime.

This battery is compatible with the following chargers:

2.4A Fast Charger: RK40FC2
4.0A Fast Charger: RK40FC4
4.5A Dual Fast Charger: RK40DFC4

WARNING. Only charge in compatible 40V chargers. Use of other chargers may result in fire, damage or serious personal injury.

CHARGING THE BATTERY WITH THE RK40FC2 AND RK40FC4 FAST CHARGER
Plug the charger into a standard 230V~50Hz mains outlet socket, the red LED on the charger will illuminate to indicate it is ON.

Do not allow the cable to become knotted or kinked.

Charging Batteries

Fig.1

Place the battery pack into the charger base, Fig.1. (Note the battery has raised ribs which allows it to fit into the charger only one way).

The amount of time required for charging is dependent of which type of battery and charger you are using. Please use the following chart to determine your batteries charge time.

RK40B4 4.0Ah LI-ION BATTERY PACK CHARGE TIMES	
RK40FC2 2.4A Fast Charger	~ 109 minutes
RK40FC4 4.0A Fast Charger	~ 69 minutes

A green LED on the charger will start flashing to indicate charging is in progress. The green LED will stay illuminated when the battery is fully charged.

NOTE: The battery pack can become a little warm during the charging. This is normal.

If the battery pack fails to charge, check:

1. If there is voltage at the socket outlet.
2. That the battery and charger are properly connected.

Unplug the charger when not in use and store it in a suitable storage cabinet.

Charging Batteries

To remove the battery pack from the charger, press the battery release catch (No.1 on Components & Controls) and slide the battery away from the charger.

CHARGING THE BATTERY WITH THE RK40DFC4 DUAL FAST CHARGER
Plug the charger into a standard 230V~50Hz mains outlet socket, the two red LED bars on the charger will illuminate to indicate it is ON.

Do not allow the cable to become knotted or kinked.

Place the battery pack into the one of the two slots in the charger base, Fig.2. (Note the battery has raised ribs which allows it to fit into the charger only one way).

Fig.2

The amount of time required for charging is dependent of which type of battery you are using and how many batteries are being charged at the same time. Please use the following chart to determine your batteries charge time.

RK40B4 4.0Ah LI-ION BATTERY PACK CHARGE TIMES	
RK40DFC4 4.5A Dual Fast Charger	~ 60 minutes (1 Battery)
RK40DFC4 4.5A Dual Fast Charger	~ 111 minutes (2 Batteries)

Charging Batteries

A green LED bar will start flashing on the slot you have installed the battery to indicate charging is in progress.

The LED bar has 5 progress slots which show how much charge the battery has. Once all 5 LED bars have illuminated green and are no longer flashing the battery is fully charged.

NOTE: The battery pack can become a little warm during the charging. This is normal.

If the battery pack fails to charge, check:

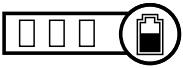
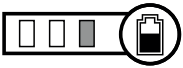
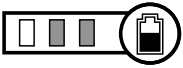
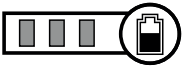
1. If there is voltage at the socket outlet.
2. That the battery and charger are properly connected.

Unplug the charger when not in use and store it in a suitable storage cabinet.

To remove the battery pack from the charger, press the battery release catch (No.1 on Components & Controls) and slide the battery away from the charger.

Charge Status

To display the amount of charge left in the battery, press the charge level indicator button (No.3 on Components & Controls).

CHARGE LEVEL	STATUS
	Battery requires immediate charging
	Low state of charge, requires charging soon
	Mid state of charge
	Full state of charge

Charging Notes

Unplug the charger when not in use and store it in a suitable storage cabinet.

Avoid charging your battery in freezing conditions as charging power will not be sufficient.

When charging more than one battery pack in succession allow at least 30 minutes for the charger to cool down before charging an additional battery.

Always remove the battery pack and store it safely when the tool is not in use.

CAUTION. If at any point during the charging process none of the LEDs are lit, remove the battery pack from the charger to avoid damaging the product.

DO NOT insert another battery.

CHARGING A HOT BATTERY PACK
When using a tool continuously, the battery pack will become hot. A hot battery pack should be left to cool before attempting to recharge.

When a hot battery pack is connected to a charger the charger may indicate the battery pack is not ready to charge. When the battery pack cools, the charger will automatically begin charging.

CHARGING A COOL BATTERY PACK
If the battery is below 0°C, a red LED will begin flashing and the green LED will be off. When the battery warms to a temperature of more than 0°C, the charger will automatically begin charge mode.

Maintenance

This battery pack is equipped with lithium-ion rechargeable batteries. Length of service from each charging will depend on the type of work you are doing.

MAINTENANCE
The batteries have been designed to provide maximum trouble-free life. However, like all batteries, they will eventually wear out. DO NOT disassemble battery pack and attempt to replace the batteries. Handling of these batteries, especially when wearing rings and jewellery, could result in serious burns.

To obtain the longest possible battery life, remove the battery pack from the charger once it is fully charged and ready for use.

STORAGE
Store the battery pack where the temperature is below 27°C.

Store battery packs in a "charged" condition (minimum of 30%-50% charged).

To charge the battery pack after a six months storage period, it is recommended to discharge the battery about 10%-20% (by running it in a tool) and charge afterwards to maximise the battery lifetime.

Service

Now that you have purchased your tool, should a need ever exist of repair or service, simply contact your nearest RIKA Authorised Service Centre or other qualified service organisation. Be sure to provide all pertinent facts when you call or visit.

Environmental Protection

Information for (private householders) for the environmentally responsible disposal of Waste Electrical and Electronic Equipment (WEEE)

This symbol on products and or accompanying documents indicates that used and end of life electrical and electronic equipment should not be disposed of in household waste. For the proper disposal, treatment, recovery and recycling, please take these products to designated collection points, where they will be accepted on a free of charge basis. Alternatively, in some countries you may be able to return your products to your retailer upon the purchase of an equivalent new product. Disposing of this product correctly will help to save valuable resources and prevent any potential adverse effects on human health and the environment which could otherwise arise from inappropriate waste disposal and handling. Please contact your local authority for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste in accordance with national legislation.

FOR BUSINESS USERS IN THE EUROPEAN UNION.
If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in other Countries outside the European Union.
This Symbol is only valid in the European Union.
If you wish to dispose of this product, please contact your local authorities or dealer and ask for the correct method of disposal.

Notes

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