Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly. In the event of product failure within its intended use over the course of the first 3 years after date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product, please contact us via our helpline support services, details of which are to be found both in this manual and on the product itself.

GB IE

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MODEL:
DF-1603

08/2021

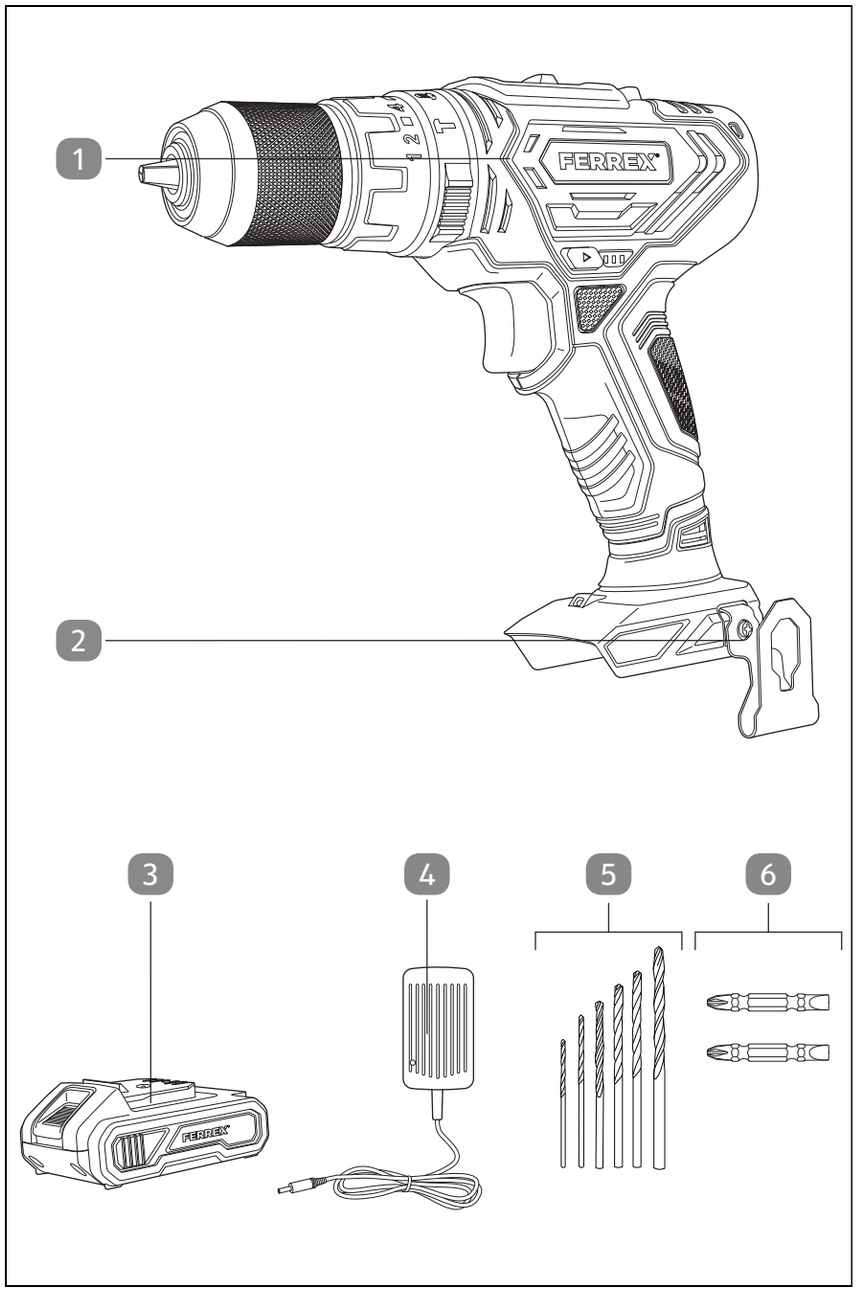
3 YEAR WARRANTY

User Manual

FERREX®

14.4V LI-ION CORDLESS HAMMER DRILL

Original User Manual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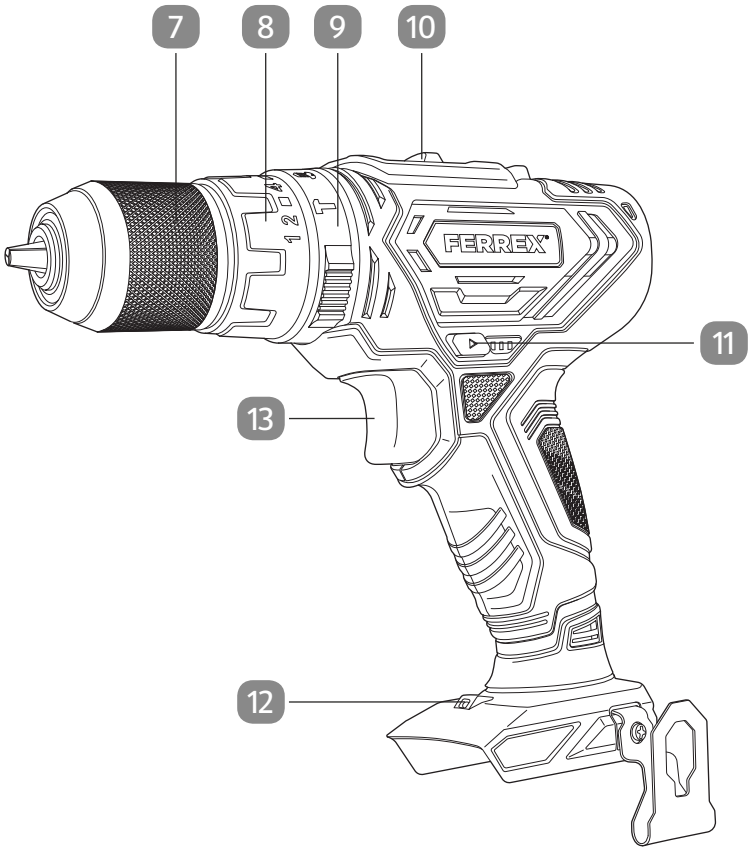


Package contents/components

1. Cordless Hammer Drill
2. Beltclip
3. Battery
4. Charger
5. Drill bit
6. 2 x Double-end bit

Operating manual and warranty card (not depicted)

Operating Controls

7. Quick-release chuck
8. Torque adjustment ring
9. Function selector ring
10. Gear switch
11. Direction switch
12. LED-light
13. Power switch

Table of content

General information

Reading and storing the operating manual

This operating manual is part of the 14.4V Li-Ion Cordless Hammer Drill (hereinafter also called "device"). It contains important information on how to set up and use the product.

Before using the device, read the operating manual carefully, in particular the safety instructions. Failure to follow this operating manual may lead to severe injuries or product damage.

This user manual is based on the standards and regulations that are valid within the European Union. Outside the EU, please also note the country-specific directives and laws.

Keep this operating manual for future reference. If you pass this device on to a third party, you must also supply this operating manual.

Residual risks

Despite proper use, hidden residual risks cannot be completely excluded.

Depending on the type of device, the following risks may occur:

- Health risks which may result from vibration emissions if the device is used for a long period of time or is not properly used or maintained.
- Injuries and material damage, which are caused by the moving blade or breaking tool heads.
- Health risks may result from working with toxic or hazardous materials (eg. asbestos) or if appropriate personal protection, due to hazardous material use, is not applied.

Proper use

This device is designed to drill in wood, metal, plastics and hammer drill concrete or stone with appropriate drilling tools. Further it features a torque limitation for tightening or loosening screws.

This device is intended for private use only and is not suitable for commercial use. Use the device only as described in this operating manual. Any other use is improper and may lead to product damage or even personal injury. This device is not a toy.

The manufacturer or retailer assume no liability for damage caused by improper or incorrect use.

Explanation of symbols

The following symbols and signal words are used in this user manual, on the device or on the packaging.

This symbol provides you with useful additional information on handling and use.

Declaration of conformity (see chapter “Declaration of conformity”): Products marked with this symbol meet all the applicable Community regulations of the European Economic Area.

Read the operating manual.

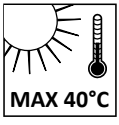
This symbol identifies devices that belong to the protection class II.

The device is designed for interior use only.

Wear protective goggles.

Wear hearing protection.

Wear a dust mask.

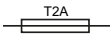


Do not expose the battery to a temperature over 50°C.

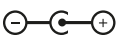
Explanation of symbols

Protect the battery against heat and fire.

Avoid water contact with the battery. Do not throw the battery into water. Risk of explosion!



A 1 A anti-surge fuse is installed.



This symbol describes the polarity of the output voltage on the connector.

DC voltage

Safety

The following signal words are used in this operating manual.

⚠ WARNING!	This signal symbol/word denotes a hazard with an average risk level that could lead to death or severe injury if it is not avoided.
⚠ CAUTION!	This signal symbol/word denotes a hazard with a low risk level that could lead to mild or moderate injury if it is not avoided.
NOTE!	This signal word provides a warning about potential material damage.

General safety notes for power tools

⚠ WARNING!

Read all safety notes, instructions, illustrations and technical data provided with this power tool. Failure to follow the instructions below may result in electric shock, fire and/or serious injury.

Keep all safety notes and instructions for future reference.

The term "power tool" used in the safety notes refers to both mains-operated power tools (with power cord) and battery-powered power tools (without power cord).

Workplace safety

- **Keep your work area tidy and well lit.** *Clutter or unlit work areas can lead to accidents.*
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or**

dust. *Power tools create sparks which may ignite the dust or fumes.*

- **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

Electrical safety

- **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
- **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*
- **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*

Personal safety

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*
- **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.*
- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.*

- **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*
- **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*
- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*
- **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

Using and handling the power tool

- **Do not overload the power tool. Use the appropriate power tool for your work.** *The right power tool allows you to work better and safer in the specified power range.*
- **Do not use any power tool that has a defective switch.** *Power tools that can no longer be switched on or off are dangerous and must be repaired.*
- **Disconnect the plug from the socket and/or remove any removable batteries before making adjustments to the device, changing any insert tool parts, or putting the**

power tool away. *This precaution helps prevent unintentional starting of the power tool.*

- **Keep power tools out of the reach of children when not in use. Whoever is not familiar with the power tool or who has not read these instructions should not be allowed to use it.** *Power tools are dangerous if used by inexperienced persons.*
- **Power tools and insert tools must be subject to careful maintenance. Check whether moving parts function properly without jamming, and whether parts are broken or damaged to such an extent that they impair the functions of the power tool. Have damaged parts repaired before using the power tool.** *Many accidents happen due to poorly maintained power tools.*
- **Keep cutting tools sharp and clean.** *Carefully maintained cutting tools with sharp blades tend to jam less and are easier to guide.*
- **Use power tools, insert tools, insert tool parts, etc. according to these instructions. While doing so, take into account the working conditions and the activity to be performed.** *The use of power tools for applications other than those intended can lead to dangerous situations.*
- **Keep handles and grip surfaces dry, clean and free of oil and grease.** *Slippery handles and grip surfaces hinder safe operation and control of the power tool in unforeseen situations.*

Using and handling the cordless tool

- **Only charge the batteries using chargers recommended by the manufacturer.** *Chargers suitable for a particular type*

of battery may present a fire hazard if used with other batteries.

- **Only use purposely provided batteries in the power tools.** *The use of other batteries may lead to injuries and present a fire hazard.*
- **Keep unused batteries away from paper clips, coins, keys, nails, screws, or other small metal objects that could short the contacts.** *A short circuit between the battery contacts can cause burns or fire.*
- **If used incorrectly, fluid may leak from the battery. Avoid touching it. In case of accidental contact, rinse with water. If the fluid gets into your eyes, seek additional medical attention.** *Leaking battery fluid may cause skin irritation or burns.*
- **Do not use a damaged or modified battery.** *Damaged or modified batteries may behave unpredictably and cause fire, explosion or injury.*
- **Do not expose batteries to fire or excessive temperatures.** *Fire or temperatures above 130 °C may cause an explosion.*
- **Follow all charging instructions and never charge the battery or cordless tool outside the temperature range specified in the operating manual.** *Incorrect charging or charging outside the permitted temperature range can destroy the battery and aggravate the fire hazard.*

Service

- **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*
- **Never service damaged battery packs** *. Service of battery packs should only be performed by the manufacturer or authorized service providers.*

Safety instructions for cordless Hammer-Drill

- **Wear ear protectors when impact drilling.** *Exposure to noise can cause hearing loss.*
- **Hold tools by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a “live” wire will make exposed metal parts of the tool “live” and shock the operator.

Safety information for long drill bit usage

- **Never exceed the maximum rotational speed of drill bits** *. At to high speed a drill bit can bend when rotating unguided and lead into serious injuries.*
- **Always start a drilling action with low speed until the drill bit has enough support.** *At to high speed a drill bit can bend when rotating unguided and lead into serious injuries.*
- **Do not apply excessive force to the drill bit when working. Apply only lengthwise force to the drill bit** *. Drill bits can bend or break resulting in to a loss of control or injuries.*

Additional safety notes for power tools

- Keep the device and its accessories away from hot surfaces.
- Do not let inexperienced persons use the device and its accessories.

- Persons with impairments must not use the device and its accessories unsupervised.
- Children must not play with, clean or service the device and its accessories.
- Only use tools that fit into the power tool's retaining system.
- Let the tool cool down after use before touching it.
- Always wait until all moving parts come to a standstill after working with the tool.

Use and care of the battery

- Clean the battery and device contact pins with abrasive paper if necessary.
- Battery maintenance must be undertaken exclusively by the manufacturer or a service partner named by of the manufacturer.
- Do not drop or expose the battery to mechanical impacts.
- Never short circuit, disassemble or try to reactivate the battery.

Safety information for charger

Children aged 8 years and older as well as persons with reduced physical, sensory or mental abilities or a lack of experience and knowledge may use the charger if they are supervised or have been given instruction on using the device in a safe way and understand the hazards involved.

- Children are not allowed to play with the device or with the power cable.
- Cleaning or user maintenance must not be undertaken by children unless supervised.

Using and handling the charger

- Only connect the charger if the mains voltage of the socket matches the information shown on the rating plate.

- If the device's mains power cable is damaged, it must be replaced by the manufacturer or their customer service or a similarly qualified person, to avoid any hazard.
- Only connect the charger to an easily accessible socket so that you can quickly disconnect it from the mains power in the event of a malfunction.
- Always allow sufficient ventilation when charging the battery; gases may develop.
- Only use the charger to charge batteries authorised by the manufacturer.
- Do not charge non-rechargeable batteries.
- Do not connect a burst or otherwise damaged battery to the charger.
- Keep the charger away from any type of moisture.
- Never use the charger in environments where there are explosive or flammable materials. There is a risk of fire and explosion.
- Do not place objects on top of the charger and do not cover the charger.
- Keep the charger away from heat sources.
- Lay the power cable so that it does not pose a trip hazard.
- Lay the power cable so that it cannot be damaged.
- Do not bend the power cable and do not lay it over sharp edges.
- Ensure that the charger's power cable does not come into contact with hot parts.
- Regularly check the charger for damage.
- Properly repair damaged chargers before using them again.
- The charger must not be disassembled. Repairs must only be undertaken by an approved technical customer service department.

- Do not use the charger if it has been subjected to knocks or blows or if it has been dropped.
- Always unplug the charger from the power supply after use.
- Only use the plug to unplug the charger from the power supply.
- Unplug the charger from the power supply before cleaning, servicing, storage and transport and allow it to completely cool down.

⚠ WARNING!

Mortal danger through electromagnetic field.
The electromagnetic field that occurs during operation may, under certain circumstances, adversely affect active or passive medical implants.

- Consult your doctor or the manufacturer of the medical implant before operating the device.

Operating Controls

Quick-release chuck
The quick-release chuck 7 holds the tools and bits.

Torque adjustment ring
The torque adjustement ring 8 presets the limit of torque for tightening screws. Torque can be preset in 1-18 positions.

Function selector ring
The function-selector ring 9 selects the drill, screw or hammer-drill action type.

Gear witch
The gear switch 10 shifts between low speed "1" and high speed "2".

Direction switch
The direction switch 11 changes the rotating direction or blocks the power switch 13.

- Postion arrow pointing to the front, the chuck 7 rotates clockwise.
- Postion arrow pointing to the rear, the chuck 7 rotates counter clockwise.
- Center position, blocks the power switch 13.

LED-light

The LED light 12 illuminates the working area in front of the chuck. The light is activated automatically when pushing the power switch 13 .

Power switch

The power switch 13 activates the device 1 and electronicaly controls the roation speed. Firmly push the power switch for low rotation speed. Rotation speed is porportionally increased up to full speed by pushing the switch to full rearward postion.

Battery charge indicator display

There is a battery charge indicator display on the device and the battery. The battery charge indicator display on the device is activated during operation. The battery charge indicator display on the battery is activated by pressing the battery charge indicator button on the battery.

The battery charge level is indivated with red, yellow and green LEDs. The green and yellow glowing LED indicates a partially discharged state. The red glowing LED indicates that the battery power is low. The device has undervoltage detection. If the battery is empty, the device switches off.

Battery charge indicator button

The battery charge indicator display is activated by pressing the battery charge indicator button on the battery 3.

LED Charging Process

The LED on the charger 4 lights up red during the charging process. The LED lights up green when the battery is fully charged.

Before first use

Check the device and scope of delivery

NOTE!

Risk of damage!

If opening the packaging with a sharp knife or other pointed objects, careless handling can damage the device.

- Therefore, be very careful when opening.

1. Take the device out of the packaging.
2. Check that the delivery is complete (see chapter “Scope of delivery/device components”).
3. Inspect the device and individual parts for damage. Do not operate a damaged device; instead, contact the manufacturer via the service center listed on the warranty card.

Operation

⚠ CAUTION!

Risk of injury!

A damaged device or damaged accessories can lead to injuries.

- Check the device and the accessories (see section "Testing").

⚠ CAUTION!

Risk of injury!

The tool bit heats up during operation.

- Do not touch the tool bit until it has cooled down again.

⚠ CAUTION!

Risk of injury!

When drilling, dust and wood chips can accumulate and be inhaled.

When drilling, loud noises can damage your hearing.

- Wear a dust mask and hearing protection

NOTE!

Risk of damage!

Covered or dirty ventilation slots can cause the device to overheat.

Unsuitable tool bits or incorrect settings can cause damage to the device or the bits.

- Make sure that the ventilation slots on the device are not obstructed.
- Use appropriate tool bits.
- Use the appropriate settings for the tool bit and application.

This chapter describes how to operate the device. The following instructions for use serve for your own safety and for successful, safe use of the device.

General information for the device

- To be able to guide the device safely, always hold the device with both hands by the handles provided for this purpose. Working with one hand can lead to accidents.
- Always work with the device in a stable position.
- Observe the rotation direction and function.

General information for the battery and charger

- Only use suitable batteries (see chapter "Technical Data") and chargers approved by the manufacturer.
- The device has undervoltage detection. If the battery is empty, the device switches off.
- Read and follow the instructions in the operating manuals of the battery and charger used.
- To charge the battery, follow the instructions in the operating manuals of the battery and charger you are using.
- The battery must not be inserted before you make device settings, change tool insert parts or put the power tool away.

During a work break you can clip the device 1 to your belt by using the belt-clip 2.

Charge Battery

⚠ WARNING!

Risk of electric shock!

A faulty electrical installation, excessive line voltage, or incorrect operation may result in an electric shock.

- Only connect the battery charger to an easily accessible outlet so that you can quickly disconnect it from the power supply in the event of a problem.

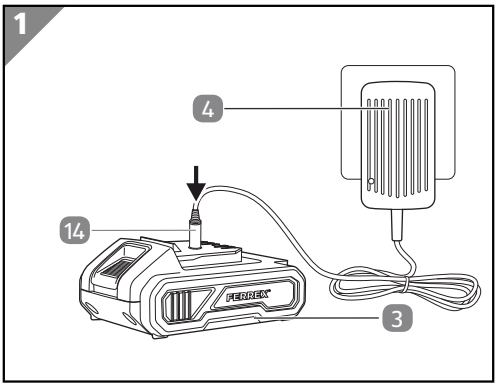
NOTE!

Risk of damage!

Incorrectly charging the battery can damage the battery, charger and device.

- Charge the battery in an ambient temperature between 0 ° C and 45 ° C. The optimal temperature for charging the battery is around 23 ° C.
- Charge the battery when the battery charge indicator shows weak battery performance (red lamp).

Charging the Battery



1. Plug the power adapter of the charger 4 into the socket.
2. Plug the barrel connector 14 of the charger into the battery 3 socket.

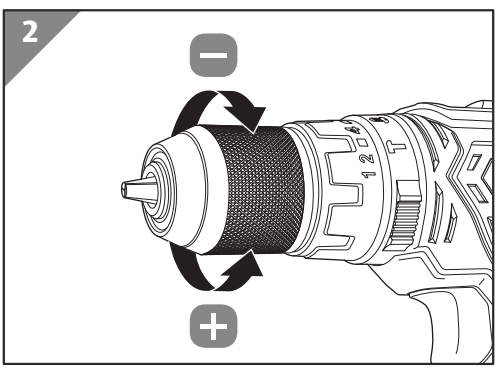
   The charger LED lights up red.

   The charger LED lights up green when the battery is fully charged.

   The charger and the battery heat up during the charging process. This is operational and not a defect.
3. Pull the barrel connector of the charger out of the battery socket.

   Let the battery cool down if it got warm during the charging process.
4. Pull the power adapter of the charger out of the socket.

Insert Tools



1. Open the quick-release chuck 7 by turning it in the + direction.

   Only open the quick-release chuck far enough that the tool can be inserted without effort.
2. Insert the tool (5 or 6) into the quick-release chuck.

   Check that the tool is inserted deep enough to ensure sufficient power transmission.
3. Close the quick-release chuck by turning it firmly in the - drection.

Remove Tools

1. Open the quick-release chuck 7 by turning it in the + direction.
2. Remove the tool from the quick-release chuck.

Insert / Remove Battery

Changing the battery corresponds to the sequence of removing the battery followed by inserting the battery.

⚠ Caution

Fire and explosion hazard through reverse polarity or short circuiting

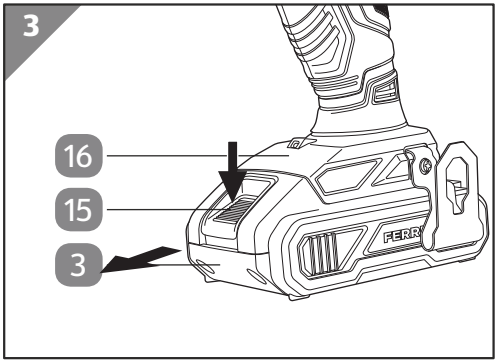
- Only use suitable batteries (see chapter "Technical Data") approved by the manufacturer.

Only use undamaged batteries.

Remove Battery

1. Press and hold the battery unlock key 15.
2. Pull the battery 3 out of the battery holder 16.

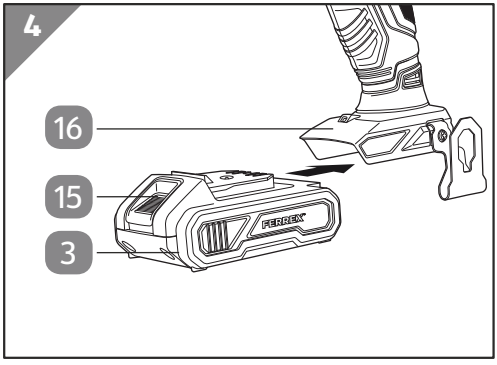
   If the battery cannot be removed easily, the battery unlock key 15 has not been pressed enough. Press the battery unlock key more firmly.



Insert Battery

1. Place the battery 3 on the front edge of the battery holder 16.
2. Align the battery with the guides of the battery holder.
3. Slide the battery into the battery holder until it locks in

   You will hear a "Click" when the battery lock engages.
4. Check that the battery is firmly inserted.



Function Selection

	function selection ring 9	torque adjustment ring 8	gear switch 10
Screwing		1-18	1
Drilling			
Brickwork / Concrete		no function	2
Wood		no function	1 or 2
Metal		no function	1 or 2

Drilling and Screwing

NOTE!

Risk of damage!

- For screwing or drilling with a large diameter, set the gear switch 10 to first gear.
- Do not operate the power switch 13 and the gear switch 10 at the same time.

Drilling

1. Mark the target spot.
2. Insert the drill (see chapter "Insert Tools").
3. Insert the battery 3 (see chapter "Insert Battery").
4. Set the function selector ring 9 appropriately (see chapter "Function Selection").
5. Set the direction switch 11 on the arrow that points to the quick-release chuck 7.
6. Place the drill straight on the mark.
7. Press the power switch 13 lightly to start the device 1.
8. Press the power switch harder if necessary.
9. To stop screwing, release the power switch.
10. After you finished working let the device and tools cool off completely.
11. Remove the battery (see chapter Remove Battery).
12. Remove the drill (see chapter Remove Tools).

Screwing

1. Insert a bit (see chapter Insert tools).
2. Insert the battery 3 (see chapter Insert battery).
3. Set the function selector ring 9 appropriately (see chapter "Function Selection").
4. Set the torque adjustment ring 8 appropriately.
   Start with low torque and increase as needed.
5. Set the rotational direction with the direction switch 11.
6. Put the bit straight into the slot or slots of the screw.
7. Press the power switch 13 lightly to start the device 1.
8. Press the power switch harder if necessary.
9. To stop screwing, release the power switch.
10. After you finished working let the device and tools cool off completely.
11. Remove the battery (see chapter Remove battery).
12. Remove the bit (see chapter Remove tools).

Resolve Jam

In the event of a jam, do the following:

1. If the drill is jammed, release the power switch 14 and pull the drill out of the drill hole.
2. Check whether the device is working by briefly pressing the power switch.
   - If the device does not start, find the problem (see troubleshooting).
   - If the device works properly, follow the further steps in this chapter.
3. Check if the jam originates from an unexpected rigid object.
   - If the jam does not originate from an object, follow the steps in this chapter.
4. When screwing, set the torque adjustment ring 9 to a higher torque.
5. Press the power switch 14 all the way down and apply a little pressure to the device.

Cleaning

1. Switch off the device 1 remove the battery 3 from the battery holder 16.
2. Let the device and the accessory tool cool down completely.
3. Clean the housing with a soft, slightly damp cloth.
4. Clean the connection contacts of the battery holder with a dry, clean cloth.
5. Dry the device thoroughly and leave it to dry completely for a while.

Maintenance

The device and accessories are maintenance-free!

Do not lubricate the device. Dust and chips will deposit on a film of grease and increase wear!

Testing

Regularly inspect the device and its accessories to ensure that they are in fault-free condition and

- the controls for damage.
- that the accessories are in perfect condition.
- that the vents are open and clean.

Do not operate a damaged device or accessory. Have the damaged device or accessory checked and repaired by an authorised service centre.

Storage

NOTE!

Risk of damage!

Improper storage of the device can result in damage.

- Allow the device to completely cool down.
- Place the device so that it can't fall into water.
- Store the device in a clean, dry, frost-protected place out of the reach of children.

1. Thoroughly clean the device (see "Cleaning").
2. Always store device parts and accessories together with the device.
3. If possible, pack the device in the original packaging.

Troubleshooting

Problem	Possible cause	Troubleshooting
The device 1 can not start.	The battery charge is too weak.	Charge the battery 3.
	The battery 3 is not inserted correctly.	Slide the battery into the battery holder 16 as far as it will go until it clicks into place.
	The direction switch 11 is in the middle position.	Press the direction switch all the way in.

If the problem persists, contact the customer service listed on the last page.

Technical data

Model:	DF-1603
Item number:	805494
Idle speed $n_{0:}$	1. Gear: 0 to 400 min^{-1} 2. Gear: 0 to 1350 min^{-1}
Blow count per minute:	1. Gear: 0 to 6000 2. Gear: 0 to 20250
Quick-release chuck:	Max. Ø 10 mm
Maximum torque:	30 Nm
Sound pressure level L_{pA}	
Drill:	70.00 dB(A)
Hammer drilling:	76.30 dB(A)
Correction value K_{pA}:	5 dB
Sound power level L_{WA}	
Drill:	81.00 dB(A)
Hammer drilling:	87.30 dB(A)
Correction value K_{pA}:	5 dB
Hand-arm vibration	
Drill:	1.580 m/s^2
Hammer drilling:	7.395 m/s^2
Correction value K:	1.5 m/s^2

Drills diameter:	1.5 / 2 / 3 / 4 / 5 / 6 mm
Battery	
Battery model:	DF1404V01
Voltage:	14.4 V
Capacity:	1.3 Ah / 18.72 Wh
Type:	Lithium-ion battery (Li-Ion)
Charging time:	approx. 60 min
Charger:	
Charger model:	XZ1750-1500G/LB
Power supply:	100-240V ~ 50 / 60Hz 1A
Output voltage:	17.5 V 1.5 A
Protection class:	II

Noise/vibration information

⚠ WARNING!

Health hazard!

Working without hearing protection or protective clothing can damage your health.

- Wear hearing protection and appropriate protective clothing when working.

The specified total vibration value and the specified noise emission values have been measured according to a standardized test method (EN62841-1/EN62841-2-1) and can be used to compare one power tool with another. They can also be used for a preliminary assessment of exposure.
Measured according to DIN EN 62841-2-1. The noise level of 85 dB (A) is not exceeded. Protective measures are nevertheless recommended for the user (wear suitable hearing protection).
Also take into account possible deviations in the national regulations for the permitted workplace values.

Warning!

The vibration and noise emissions can deviate from the stated values during actual use of the power tool. This depends on the way the power tool is actually used and especially on the type of workpiece you are working on.
It is necessary to establish safety measures that protect the operator based on an estimate of the exposure during actual conditions of use (taking into account all parts of the operating cycle, such as periods when the power tool is switched off and periods when it is switched on but running without load).

Try to keep the exposure to vibrations and noise as low as possible. Examples of measures to reduce the exposure:

- wearing vibration-damping gloves while using the tool;
- limiting the working time;
- using accessories in good condition;
- regular maintenance and cleaning of the device;
- turning the device off while not in use;
- preventing overload of the device.

Declaration of conformity

Original EU Declaration of Conformity

We,

MEROTEC GmbH
Otto-Brenner-Str. 8, D-47877 Willich, Germany

herewith declare under our own, sole responsibility that our product

14.4 V hammer drill
Model no. DF-1603
for drilling and screwing into wood, stone, and metal

complies with the following directives:

2006/42/EC Machinery Directive
2014/35/EU Low Voltage Directive
2014/30/EU EMC-Directive
2011/65/EU*) RoHS-Directive, amended by (EU) 2015/863

Applied harmonized standards:
EN 62841-1:2015
EN 62841-2-1:2018+A11:2019
EN 60335-1: 2012+A11:2014+A13:2017+A1:2019+A14:2019+A2:2019
EN 60335-2-29:2004+A2:2010
EN 55014-1:2017+A11:2020
EN 55014-2:2015
EN IEC 61000-3-2:2019
EN 61000-3-3:2013/A1:2019
EN 62233:2008
EN 50581:2012
EN 62471:2008

Document representative:
Dirk Wohlrab
MEROTEC GmbH
Otto-Brenner-Str. 8
D-47877 Willich

Place, date: Willich, 09.02.2021
Authorised Signature:

Ronald Menken
General Manager
MEROTEC GmbH

*)The object of the declaration described above is in conformity with Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Disposal

Disposing of packaging

Dispose of packaging according to type. Sort the paperboard and cardboard as waste paper and the film as recyclable material.

Dispose of old electrical device

This symbol indicates that this product may not be disposed of together with domestic waste in compliance with the (2012/19/EU) Regulation pertaining to waste electrical and electronic devices (WEEE). This product must be handed in at a collection point intended for the purpose. This can occur, for example, by handing it in at an authorised collecting point for the recycling of waste electrical and electronic equipment. Owing to potentially hazardous substances that are frequently contained in waste electronic equipment, incorrect handling of waste equipment may have a negative impact on the environment and on the health of human beings. By disposing of this product correctly, you are also contributing towards an efficient use of natural resources. Information on collecting points for waste equipment can be obtained from your local authority, an authorised institution for the disposal of waste electrical and electronic equipment or the waste collection services.

Batteries and rechargeable batteries must not go in domestic waste!

As a consumer you are legally obliged to dispose of all batteries, irrespective of whether they contain harmful substances* or not, at a collection point in your community/district or at a retail outlet, so that they can be disposed of in an environmentally friendly manner.

* marked with: Cd = Cadmium, Hg = Mercury, Pb = Lead, Li = Lithium.