User Manual

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AU

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MODELL:
F-CRT12 07/2024

5 YEAR WARRANTY

FERREX®

12V CORDLESS MINI GRINDER F-CRT12

Translation of original instruction manual

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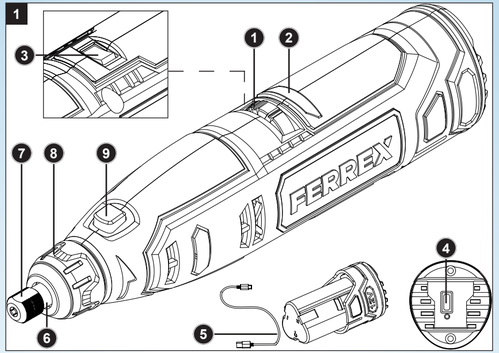

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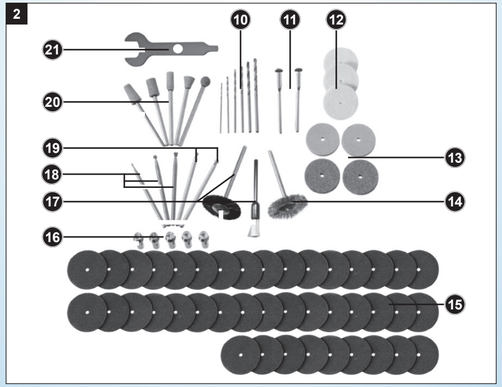


Scope of delivery

1 x Rechargeable battery-operated multi-function tool

1 x USB charging cable

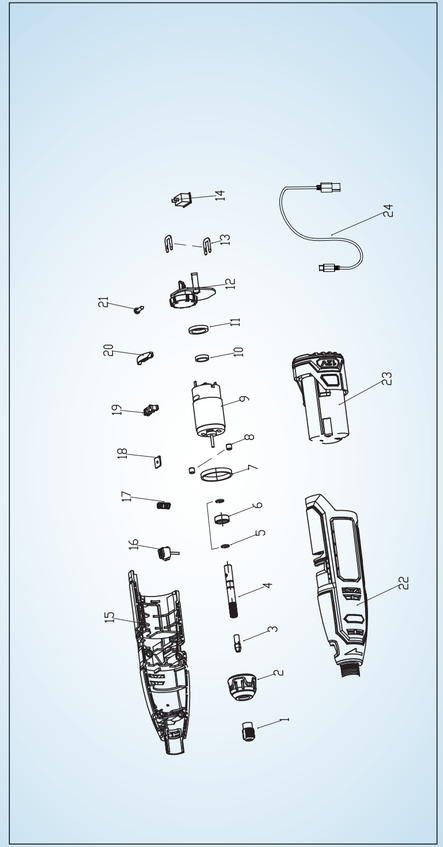
1 x Accessory set (75 parts)

1 x Carry case

1 x Operating manual

1 x Warranty card

1 x 12 V lithium-ion battery



Explanation of the symbols on the device

	Warning - Read the operating manual to reduce the risk of injury.
	Wear hearing protection. Excessive noise can result in a loss of hearing.
	Wear safety goggles. Sparks created during work or fragments, chippings and dust ejected by the device can case sight loss.
	Wear a dust protection mask. When machining wood and other materials, harmful dust may be generated. Do not machine material containing asbestos!
	Protect batteries from heat and fire.
	Protect batteries from water and moisture.
	The RCM Mark (Regulatory Compliance Mark) indicates that the product complies with the relevant guidelines of the ACMA as well as corresponding government requirements for the safety of electrical devices.
	Lithium-ion battery.
	5-year warranty.
⚠ **Attention!**	We have marked points in this operating manual that impact your safety with this symbol.

1. Introduction

Congratulations on your purchase of this FERREX® product.
All FERREX® products, are manufactured to the highest standards of performance and safety and are secured by our comprehensive 5-year warranty as part of our customer service.
We hope you will enjoy your purchase for many years to come.

Note:
In accordance with the applicable product liability laws, the manufacturer of this device assumes no liability for damage to the device or caused by the device arising from:
- Improper handling.
- Failure to comply with the operating instructions,
- Repairs carried out by third parties, unauthorised specialists.
- Installing and replacing non-original spare parts,
- Application other than specified.

Recommendations:
Read through the complete text in the operating manual before installing and commissioning the device.
This operating manual should help you to familiarise yourself with your device and to use it for its intended purpose.
The operating manual includes important instructions for safe, proper and economic operation of the device, for avoiding danger, for minimising repair costs and downtimes, and for increasing the reliability and extending the service life of the device.
In addition to the safety instructions in this operating manual, you must also observe the regulations applicable to the operation of the device in your country.
Keep the operating manual at the device, in a plastic sleeve, protected from dirt and moisture. They must be read and carefully observed by all operating personnel before starting the work. The device may only be used by personnel who have been trained to use it and who have been instructed with respect to the associated hazards. The required minimum age must be observed.
In addition to the safety instructions in this operating manual and the separate regulations of your country, the generally recognised technical rules relating to the operation of such machines must also be observed.
We accept no liability for accidents or damage that occur due to a failure to observe this manual and the safety instructions.

2. Device description (Fig. 1 - 2)

12V Cordless Mini Grinder:

1. Speed control
2. Battery-operated LED
3. ON/OFF switch
4. Charge socket
5. USB charging cable
6. Thread insert
7. Clamping nut
8. Union nut
9. Spindle lock

Accessories

10. 6 x HSS drill
11. 2 x clamping mandrels for tool receiver
12. 3 x polishing wheels
13. 4 x grinding discs
14. 1 x wire brush
15. 41 x cutting wheels
16. 5 x collets
17. 2 x plastic brushes
18. 3 x milling cutter bits
19. 2 x engraving bits
20. 5 x grinding bits
21. 1 x combination key

3. Scope of delivery

1 x rechargeable battery-operated multi-function tool
1 x USB charging cable
1 x accessory set (75 parts)
1 x carry case
1 x Operating manual
1 x warranty card
1 x 12 V lithium-ion battery

⚠ Attention!
The device and the packaging material are not children's toys!
Do not let children play with plastic bags, films or small parts! There is an increased danger of choking or suffocating!

4. Proper use

- This battery-operated fine boring grinder (hereinafter referred to as "product" or "power tool") is suitable, with the appropriate accessories (as supplied), for:
  - Drilling
  - Cutting
  - Engraving
  - Polishing
  - Cleaning
  - Grinding
  - Cutting materials such as wood, metal, plastic, ceramics or stone

- The product is not intended to be used for applications other than those described here. Examples of non-intended uses:
  - Grinding with unsuitable grinding tools
  - Grinding with coolant
  - Grinding or cutting hazardous materials such as asbestos
  - Commercial use
- Only use the product in dry rooms.
- Always use tool attachments in accordance with their intended use! When purchasing and using insert tools, observe the technical requirements of the product (see "Technical data").
- Other uses or modifications of the product are considered non-intended and may result in risks such as danger to life, injury and damage. We will not accept liability for loss or damage arising from improper use.
- Please note that our equipment was not designed with the intention of use for commercial or industrial purposes. We assume no guarantee if the device is used in commercial or industrial applications, or for equivalent work.

5. Safety instructions

General safety instructions

⚠ Warning!

Read all safety information and instructions. Failure to observe safety information and instructions can result in electric shock, fire and/or serious injuries.

Save all warnings and instructions for future reference. The term "electric tool" used in the safety instructions refers to mains-powered electrical tools (with a mains cable) and battery-powered electrical tools (without a mains cable).

Workplace safety

1) **Keep your work area clean and well-lit.** Disorganised and unlit work areas can result in accidents.
2) **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.
3) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

1) **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.
2) **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.
3) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
4) **Do not use the cable for another purpose, for example, carrying or hanging the power tool or pulling the plug out of the socket. Keep the cable away from heat, oil, sharp edges or moving device parts.** Damaged or coiled cables increase the risk of an electric shock.
5) **If you work with an electric tool outdoors, only use extension**

cables that are also permitted for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.

6) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

Personal safety

1) **Always remain attentive, pay attention to what you are doing and be sensible when working with electric tools. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of carelessness when using electrical tools can result in serious injuries.
2) **Wear personal protective equipment and always safety goggles.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
3) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or rechargeable battery, picking up or carrying the tool.** Keeping your finger on the switch when carrying the electric tool or having the device already switched on when connecting it to the power supply may result in accidents.
4) **Remove any adjusting key or screwdriver before turning the power tool on.** A tool or spanner that is located in a rotating device part may result in injuries.
5) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
6) **Dress properly. Do not wear loose clothing or jewellery. Keep hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
7) **If dust extraction and collection devices can be mounted, make sure that they are connected and used properly.** Use of dust collection can reduce dust-related hazards.
8) **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.

Power tool use and care

1) **Do not overload the device. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
2) **Do not use the power tool if the switch does not turn it on and off.** Any electric tool that cannot be controlled with the switch is dangerous and must be repaired.
3) **Remove the plug from the socket and/or remove the battery before setting the device, changing accessories or putting the device away.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
4) **Store idle power tools out of the reach of children and Do not let people use the electric tool who are not familiar with it or who have not read these instructions.** Power tools are dangerous in the hands of untrained users.
5) **Maintain power tools. Check whether moving parts function properly and do not get stuck and whether parts are broken or are damaged and thus adversely affect the electric tool function. Have damaged parts repaired before using the device.** Many accidents are caused by poorly maintained power tools.
6) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
8) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

Using and handling the rechargeable tool

1) **Only charge the batteries with the USB charging cable provided or a replacement cable recommended by the manufacturer.** A USB cable that is unsuitable for a particular type of battery poses a fire hazard.
2) **Only use the batteries in power tools that are designed for them.**

The use of other batteries can lead to injuries and a risk of fire.

3) **Keep the unused battery away from paper clips, coins, keys, nails, screws or other small metal objects that could cause a short-circuit between the contacts.** A short-circuit between the contacts of the battery could result in burns or fires.
4) **Liquid may leak from the battery if used incorrectly. Avoid contact with it. In case of accidental contact, rinse with water. If the liquid gets into your eyes, seek immediate medical attention.** Leaking battery fluid may cause skin irritation or burns.
5) **Protect the battery from heat, e.g. also from continuous sunlight, fire, water and moisture.** There is a risk of explosion.

Service

1) **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.

Safety instructions for grinding machines

⚠ WARNING!
Dusts from materials such as paint containing lead, some types of wood and metal can be harmful to health.

⚠ WARNING!
Always wear safety goggles and respiratory protection!

Safety instructions for all applications

Common safety instructions for grinding, sandpaper grinding, working with wire brushes, polishing, milling or cut-off grinding.

1) This electric tool can be used as a grinder, sandpaper grinder, wire brush, polisher, for milling and as a cut-off grinder. Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.
2) Do not use any accessories that have not been specifically provided or recommended by the manufacturer for this power tool. Just because you can attach the accessories to your power tool does not guarantee they are safe to use.

3) **The maximum speed of the accessory tool used must be at least as high as the maximum speed specified for the power tool.** Accessories which rotate faster than the maximum permissible rate can break and throw pieces into the air.
4) **The external diameter and thickness of the accessory tool used must comply with the dimensions of the power tool.** Incorrectly dimensioned accessory tools cannot be sufficiently shielded or controlled.
5) **Grinding discs, grinding rollers or other accessories must fit exactly on the grinding spindle or collet of your electric tool.** Tool attachments that do not fit exactly on your electrical tool's receptacle rotate unevenly, vibrate very strongly and can cause a loss of control.
6) **Wheels/discs, grinding cylinders, cutting tools or other accessories mounted on a work arbor must be fully inserted into the collet or clamping chuck. The "protrusion" or the exposed part of the work arbor between the grinding body and the collet or clamping chuck must be minimal.** If the work arbor is not sufficiently tensioned or the grinding body is too far forward, the tool attachment can come loose and be ejected at high speed.
7) **Never use damaged accessory tools. Before each use, check insert tools such as grinding discs for chipping and cracks, grinding rollers for cracks, wear or heavy wear, wire brushes for loose or broken wires. If the power tool or the accessory tool in use is dropped, check to see if it is damaged or use an undamaged accessory tool.**
   When you have checked and inserted the accessory tool, ensure that you and any other people in the vicinity remain outside of the level of the rotating accessory tool and allow the tool to rotate at maximum speed for one minute. Damaged tool attachments usually break during this test period.
8) **Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. Where appropriate, wear a dust mask, hearing protection, protective gloves or a special apron that will keep small grinding and material particles away from you.** The eye protection must be capable of stopping flying debris generated by various operations. Dust or breathing masks must filter the dust generated during use. Prolonged exposure to high intensity noise may cause hearing loss.

9) **Ensure that other people remain at a safe distance from your workspace. Anyone who enters the workspace must wear personal protective equipment.** Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.
10) **When performing work during which the insert tool can meet with concealed power lines or its own mains cable, only hold the electric tool by the insulated gripping surfaces.** Contact with a live wire may make exposed metal parts of the power tool live and could give the operator an electric shock.
11) **Always hold the electric tool firmly when starting it.** When running up to full speed, the reaction torque of the motor can cause the electric tool to turn.
12) **If possible, use clamps to hold the workpiece in place. Never hold a small workpiece in one hand and the electric tool in the other while using it.** By clamping small workpieces, you have both hands free for better control of the electric tool. When cutting round workpieces such as wooden dowels, bar stock or pipes, they tend to roll away, causing the tool attachment to jam and be flung towards you.
13) **Keep the USB charging cable away from rotating tool attachments.** If you lose control of the device, the cable can be severed or caught and your hand or arm pulled into the rotating tool attachment.
14) **Never put the power tool down until the accessory tool being used has come to a complete standstill.** The rotating accessory tool can come into contact with the surface and cause you to lose control of the power tool.
15) **After changing tool attachments or adjustments to the device, tighten the collet nut, clamping chuck or other fasteners securely.** Loose fasteners can shift unexpectedly and cause loss of control; unattached rotating components will be thrown out violently.
16) **Do not run the power tool while carrying it at your side.** Accidental contact of your clothing with the rotating attachment part could lead to an injury.
17) **Clean the ventilation slits of your power tool regularly.** The engine fan draws dust into the housing and a strong accumulation of metal dust can cause electrical hazards.
18) **Never use the power tool in the vicinity of inflammable materials.** Sparks can ignite such materials.

Further safety instructions for all applications

Kick-back and corresponding safety instructions

Kick-back is the sudden reaction resulting from a caught or jammed rotating tool attachment, such as a grinding disc, grinding belt, wire brush, etc. Catching or jamming results in the rotating tool attachment stopping abruptly. As a result, an uncontrolled electric tool is accelerated against the direction of rotation of the tool attachment.

For example, if a grinding disc catches or jams in the workpiece, the edge of the grinding disc that plunges into the workpiece can get caught, causing the grinding disc
to break away or kick back. The wheel may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions. Kickback is the result of incorrect or deficient use of the electrical tool. It can be prevented by suitable precautionary measures, as described in the following.

1) **Hold the power tool firmly in both hands and position your body and arms so they can absorb the force of a kickback.** The operator can control the kick-back forces by taking appropriate precautionary measures.
2) **Take special care when working near corners, sharp edges, etc. Avoid allowing the accessory tool to bounce back from the workpiece or jam.** The rotating tool attachment tends to jam at corners, sharp edges or when it bounces back. This causes a loss of control or kick-back.
3) **Do not use a serrated saw blade.** Such accessories often cause a kickback or loss of control over the power tool.
4) **Always guide the tool attachment into the material in the same direction in which the cutting edge leaves the material (corresponds to the same direction in which the chips are ejected).** Guiding the electric tool in the wrong direction causes the cutting edge of the tool attachment to break out of the workpiece, pulling the electric tool in that feed direction.
5) **Always clamp the workpiece firmly when using rotary files, cutting wheels, high-speed milling tools or carbide milling tools.** Even with slight canting in the groove, these tool attachments get caught and can cause a kick-back. If a cutting wheel gets caught, it usually breaks. If rotary files, high-speed milling tools or carbide mill-

ing tools get caught, the tool insert may jump out of the groove and cause loss of control of the electric tool.

Additional safety instructions for grinding and cut-off grinding

Special safety instructions for grinding and cut-off grinding

1) **Only use the grinding bodies approved for your electric tool and only for the recommended uses. Example: Never grind on the side surfaces of a cutting wheel.** Cutting wheels are designed to remove material with the edge of the disc. Lateral forces on this grinding body can break it.
2) **For tapered and straight threaded grinding pencils, use only undamaged work arbors of the correct size and length, without undercutting at the shoulder.** Suitable work arbors prevent the possibility of breakage.

3) **Avoid blocking the cutting wheel or applying too much pressure. Do not make excessively deep cuts.** Overloading the cutting wheel increases its stress and susceptibility to tilting or blocking and therefore the possibility of kick-back or breaking of the grinding wheel.
4) **Avoid the area in front of and behind the rotating cutting wheel with your hand.** If you move the cutting wheel in the workpiece away from your hand, in the event of a kick-back the power tool with the spinning wheel can be thrown directly towards you.
5) **If the cutting wheel jams or you interrupt your work, switch the device off and hold it still in the material until the disc has come to a standstill. Never try to pull the cutting wheel out of the cut while it is still running, otherwise kick-back may occur.** Determine and remedy the cause of the jamming.
6) **Do not switch the electric tool on again while it is in the workpiece. Allow the cutting wheel to reach its full speed first before carefully continuing the cut.** Otherwise the disc can get stuck, jump out of the workpiece or cause kick-back.
7) **Support plates or large workpieces to reduce the risk of kick-back caused by a jammed cutting wheel.** Large workpieces tend to sag under their own weight. The workpiece must be supported on both sides of the disc, that is both close to the separating cut and at the edge.

8) **Apply particular caution with "plunge cuts" in existing walls or other areas that are not visible.** The plunging cutting wheel can cause kick-back when cutting into gas or water pipes, electrical lines or other objects.

Additional safety instructions for working with wire brushes

Special safety instructions for working with wire brushes

1) **Note that the wire brush loses pieces of wire even during normal use. Do not overtax the wires by applying too much contact pressure.** Pieces of wire that fly off can easily penetrate thin clothing and/or the skin.
2) **Run brushes at working speed for at least 1 minute before use. Make sure that no other person is in front of or in line with the brush during this time.** During the running-in period, loose pieces of wire may fly away.
3) **Point the rotating wire brush away from you.** When working with these brushes, small particles and tiny pieces of wire can fly away at high speed and penetrate the skin.

Vibration and noise reduction

Limit the time of use, use low-vibration and low-noise operating modes and wear personal protective equipment to reduce vibration and noise effects.

The following measures help to reduce vibration and noise-related risks:

- Only use the product in accordance with its intended use and as described in these instructions.
- Ensure that the product is in perfect working order and well maintained.
- Use the correct tool attachments for this product and ensure that they are in perfect working order.
- Securely hold the product by the handles/gripping surfaces.
- Maintain the product according to the instructions and ensure sufficient lubrication (if applicable).
- Plan your workflow so that the use of high vibration products is spread over a longer time frame.

Behaviour in an emergency

Use this operating manual to familiarise yourself with the use of this

product. Memorise the safety instructions and be sure to follow them. This helps to avoid risks and hazards.
- Always be alert when using this product so that you can detect hazards early and take action. Rapid intervention can prevent serious injuries and material damage.
- Switch off the product immediately in the event of malfunction. Have the product checked and, if necessary, repaired by a qualified specialist before putting it back into operation.

Residual risks

Even if you operate this product as instructed, there is still a potential risk of personal injury and material damage. The following hazards, among others, may occur in connection with the construction and design of this product:
- Damage to health resulting from vibration emissions if the product is used over an extended period of time or if it is not properly operated and maintained.
- Personal injury and material damage caused by defective cutting tools or sudden impact of a concealed object during use.
- Danger of injury and material damage caused by flying objects.

⚠ ATTENTION!
This product generates an electromagnetic field during operation! This field can impair active or passive medical implants under certain circumstances! In order to prevent the danger of serious or deadly injuries, we recommend that persons with medical implants consult with their physician and the manufacturer of the medical implant prior to operating the product!

Safety instructions for battery chargers

This device can be used by children from 8 years of age as well as by persons with reduced physical, sensory or mental capabilities or with a lack of experience or knowledge, if they are supervised or if they have been trained in the safe use of the device and understand the resultant hazards. Children may not play with the device.
Cleaning and user maintenance must not be carried out by children unsupervised.
- Only use the product with the battery charger provided.

- The battery charger (not supplied) is only suitable for indoor operation.
- If the connection cable for this battery charger (not supplied) is damaged then it must be replaced by the manufacturer or their customer services personnel or by a similarly qualified person, in order to avoid hazards.
- Protect electrical parts from moisture. Never immerse them in water or other liquids to avoid an electric shock. Never hold the device under running water. Follow the instructions for cleaning, maintenance and repair.

6. Technical data

Model:	F-CRT12
Rated voltage:	12V (direct current)
Rated speed:	5000 - 25000 rpm
Max. disc Ø	25 mm
Chuck clamping range:	max. Ø 3.2 mm
Capacity:	1300 mAh
Battery (integrated):	Lithium-ion
Cells:	3

Only use the following battery charger (Australian-approved) (not included in scope of delivery) to charge the cordless tool:

Input voltage:	100 - 240 V~
Input AC frequency:	50 / 60 Hz
Output voltage:	5.0 V (direct current)
Output current:	1.5 A
Output power:	8.5 W
Average operating efficiency:	78.2 %
Power consumption at zero load:	0.07 W
Input current:	0.3 A
Protection class:	II (double insulation)
Connection type:	USB (Type C)

Device emissions value

Measured value for noise determined according to EN 60745. The A-weighted noise level of the electric tool is typically:

Sound pressure level LpA = 60.4 dB
Uncertainty KpA = 3 dB
Sound power level LWA = 71.4 dB
Uncertainty KWA = 3 dB

Vibration emission values
Total vibration emission values (vector sum of three directions) determined per EN 60745-2-23:
Total vibration emission values ah = 0.949 m/s^2
Uncertainty K = 1.5 m/s^2

⚠ WARNING!
Wear hearing protection!

⚠ NOTE!
- The total vibration emission values specified and the device emissions values specified have been measured in accordance with a standardised test procedure and can be used for comparison of one power tool with another.
- The total vibration emission values specified and the device emissions values specified can also be used for an initial estimation of the load.

⚠ WARNING!
- The vibration and noise emission values can vary from the specified values during the actual use of the power tool, depending on the type and the manner in which the power tool is used, and in particular the type of workpiece being processed.
- Try to keep the stress as low as possible. Some examples of means for reducing the vibration stress are wearing gloves while using the tool and limiting work time. In doing so, all parts of the operating cycle must be taken into account (such as times in which the power tool is switched off or times in which it is switched on, but is not running under a load).

7. Unpacking

Open the packaging and carefully remove the device.
Remove the packaging material, as well as the packaging and transport safety devices (if present).
Check whether the scope of delivery is complete.
Check the device and accessory parts for transport damage. In the event of complaints

the carrier must be informed immediately. Later claims will not be recognised.
If possible, keep the packaging until the expiry of the warranty period.

Familiarise yourself with the device by means of the operating manual before using for the first time.
With accessories as well as wearing parts and replacement parts use only original parts. Spare parts can be obtained from your specialist dealer.
When ordering please provide our article number as well as type and year of manufacture for your equipment.
⚠ **ATTENTION!**
The device and the packaging material are not children's toys! Do not let children play with plastic bags, films or small parts! There is a danger of choking or suffocating!

8. Operation

Information about the battery

⚠ **NOTE!**
A new battery or one that has not been used for a long time must be charged before it is used for the first time/again.

- The integrated battery is partially charged on delivery. Li-ion rechargeable batteries can be charged at any time without affecting their service life. Interrupting the charging process will not damage the battery.

Starting the charging process

1. Connect the USB-C Connector on the USB charging cable (5) to the USB power socket (4).
2. Connect the USB- A connector on the USB charging cable (5) to an USB-A powersource.
3. The battery LED lights up red during charging.
4. The battery is charged when the battery LED is no longer lit.

Ending the charging process

1. Disconnect the USB charging cable from the product.
2. Pull the USB charging cable out of the socket.

Read off the battery level
The battery LED (2) indicates the battery charge level when the product is switched on:

Battery-operated LED (2)	Charge level
red / orange / green	Maximum charge level
red / orange	Medium charge level
red	Low charge level

Inserting or alternating tool attachment and collet (Pos. 10-20)

⚠ WARNING!
Switch off the product and allow the product to cool down before cleaning the product or replacing accessories.

⚠ CAUTION! RISK OF INJURY!
- Keep your hands away from the tool attachment when the product is in operation.
- After switching off the product, the tool attachment continues to move for some time. Do not touch or slow down the moving tool attachment.
- Only use manufacturer's recommended tool attachments. The use of other insertion tools and other accessories can entail a danger of injury.
- Only use tool attachments that bear information about the manufacturer, type of binding, dimensions and permitted number of revolutions.
- Only use tool attachments whose printed speed is at least as high as the speed specified on the product type plate.
- Do not use broken, cracked or otherwise damaged tool attachments.
- Only use tools that are in perfect condition.
- Make sure that the dimensions of the tool attachment fit the product.
- Do not re-drill a mounting hole on a tool attachment that is too small.
- Do not use separate reducing bushes or adapters to make large hole washers fit.
- Support plates or workpieces to reduce the risk of kick-back caused by a jammed disc/wheel.

1. Press and hold the spindle lock (9).
2. Turn the clamping nut (7) until the spindle lock (9) engages.
3. Loosen the clamping nut (7) from the thread with the combination key (21).
4. If necessary, remove an inserted tool attachment or collet (16).
5. Push the intended insert tool through the clamping nut (7).
6. Insert the shaft of the tool attachment into the matching collet (16).
7. Press and hold the spindle lock (9).
8. Insert the collet (16) into the thread insert (6). Tighten the tension nut (7) on the

thread with the combination key (21).

Switching on and off/ setting the speed range

⚠ CAUTION! RISK OF INJURY!
Always wear protective gloves when handling or working with the product.

- Keep your hands away from the tool attachment when the product is in operation.
- After switching off the product, the tool attachment continues to move for some time. Do not touch or slow down the moving tool attachment.
- Do not machine material containing asbestos. Asbestos is considered carcinogenic.

Switching on / setting the speed range
1. Switch the on/off switch (3) to "I".
2. Set the speed control (1) to a position between 1 and MAX.

Switching off
1. Switch the on/off switch (3) to 0.

⚠ WARNING!
The battery is fitted with a fuse. If the device does not start the first time you use it, switch it off again. When restarted, the device will start again.

9. Notes on material processing, insert tools and speed setting

Usage	Speed setting
• Plastics • Materials with a low melting point	1 - 3 (low)
• Cleaning operations • Polishing • Buffing work • Rock • Ceramics • Softwood	4 - 5 (middle)
• Hardwood	6 (high)
• Iron • Steal	Max
• Aluminium • Copper • Zinc • Zinc alloys	Determine the suitable speed range by tests on test pieces

These details are non-binding recommendations. During practical work, also test for yourself which tool attachments and which settings are optimally suited for the material to be machined.

10. Working instructions

⚠ **NOTE!**

- Observe the information on the correct protrusion (see “Selecting a suitable tool attachment”).
- The maximum diameter of compound grinding bodies, grinding cones and grinding pencils is 55 mm and must not be exceeded.
- The maximum diameter for sandpaper grinding accessories is 80 mm and must not be exceeded.
- The maximum permitted length of a mandrel is 33 mm.

Grinding

⚠ WARNING!

Never use a cutting wheel for grinding!

- Hold the product at an angle of 10 to 15° for easy handling and a good grinding result.
- For maximum grinding efficiency: Hold the grinding disc with a light, even pressure on the work surface. It should never be necessary to operate the product with increased force. The weight of the product creates enough pressure.
- Too much pressure overloads the motor, slows down the grinding process, exerts dangerous pressure on the grinding disc and causes damage.
- Move the product back and forth evenly.

Wire brushes

⚠ WARNING!

Do not use a brush that is damaged or imbalanced. Using a damaged brush can increase the likelihood of injury from contact with broken brush wires.

- Avoid applying too much pressure as this will over-bend the wires and cause premature damage.
- Work at a moderate feed rate according to the material to be machined.
- Avoid bouncing and breaking the wire brush, especially when working on corners, sharp edges, etc. This can lead to loss of control and kick-back.

Cut-off grinding

⚠ WARNING!

Never use roughing wheels for cutting!

- Only tested, fibre-reinforced cutting or grinding discs may be used.
- Always work at a low feed rate. Only apply moderate pressure to the workpiece.
- Always work in counter-rotation so that the product is not pressed out of the cut in an uncontrolled manner.

Selecting a suitable tool attachment

Function	Accessories	use	Protrusion (min-max)
Drilling	HSS drill	Machining wood	18-25 mm Use of the smallest drill bit: 10 mm protrusion
Cutting	Milling cutter bits	A variety of tasks, e.g.: Creating protrusions, hollows, shapes, grooves or slots	18-25 mm
Engraving	Engraving bits	Making markings Handicrafts	18-25 mm
Rust removal	Wire brush	Rust removal	9-15 mm
Polishing	Polishing wheels	Machining various metals, especially precious metals such as gold or silver	12-18 mm
Clean	Plastic brushes	Example: Cleaning plastic housings that are difficult to access	9-15 mm
Grinding	Grinding disc Grinding bits	Grinding work on stone or wood Fine work on hard materials, such as ceramics or alloy steel	12-18 mm 10 mm
Cutting off	Cutting wheel	Machining metal, plastics and wood	12-18 mm

11. Cleaning

⚠ **WARNING!**
Switch off the product and allow the product to cool down before carrying out inspection, maintenance or cleaning work!
Have the product repaired by the service centre or a qualified electrician and only with original spare parts. This ensures that safety of the product is maintained.

- Make sure that no liquids can penetrate the interior of the product.
- Always keep the product clean, dry and free from oil or grease. Remove dust after

each use and before storage.
- Regular proper cleaning helps to ensure safe use and prolongs the service life of the product.
- Clean the product with a dry cloth. Use a soft turnout brush for hard-to-reach areas.
- In particular, remove dirt and dust from the vents with a cloth and a soft brush.
- Ventilation openings must always be free.
- Perform a complete recharge of the rechargeable battery at the beginning and at the end of a longer period of non-use.
- If a lithium-ion battery is to be stored for a longer period of time, the charge level must be checked regularly. The optimal state of charge is between 50 and 80 %. The optimal storage climate is cool and dry.

⚠ NOTE!
Do not use chemical, alkaline, abrasive or other aggressive cleaning agents or disinfectants to clean the product, as these may damage the surfaces.
Spare parts not listed (such as the battery charger) can be ordered via our call centres.

12. Maintenance

Before and after each use: Check the product and its accessories (e.g. tool attachments) for wear and damage. Replace the accessories if necessary. Observe the technical requirements (see “Technical data”).

13. Repairs

There are no parts which can be repaired by the user within this product. Contact a qualified professional to have the product checked and repaired.

14. Storage

- Switch the product off.
- Clean the product as described above.
- Store the product and its accessories in a dark, dry and frost-free place.
- Always store the product in a place inaccessible to children. The optimum long-term storage temperature (longer than 3 months) is between +20 and +26 °C.
- Store the product in its carry case.

15. Troubleshooting

Fault	Possible cause	Remedy
The product cannot be started.	The battery power is too weak.	Charge the battery.
	The battery is not properly inserted.	Push the battery into the battery holder as far as it will go until you hear it click into place.
The product does not reach full speed.	The battery is not sufficiently charged.	Charge the battery.
The accessories wobble or remain stationary.	The clamping nut is loose.	Tighten the clamping nuts more.

16. Transport

⚠ NOTE!
The integrated Li-ion battery may only be removed by trained or qualified personnel. To remove the battery from the housing, the battery must be empty and the screws of the housing must be loosened. The battery connections must be separated and insulated individually.

- This product contains a rechargeable Li-ion battery and is therefore subject to the legal regulations on hazardous substances. The product with integrated battery can be transported by road and sea without any special requirements.
- Packaging and marking are subject to special requirements in the case of transport by third-party providers (e.g. airline, courier, freight forwarder). A dangerous goods expert must be consulted when transporting through third parties.
- Transport the product in its carry case.
- Protect the product from shocks and strong vibrations that occur especially during transport in vehicles.

17. Disposal and recycling

The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled. The equipment and its accessories are made of various types of material, such as metal and plastic. Defective components must be disposed of as special waste. Ask your dealer or your local council.

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12V CORDLESS MINI GRINDER

Warranty Details

REGISTER YOUR PURCHASE AT www.aldi.com.au/en/about-aldi/product-registration/ TO KEEP UP-TO-DATE WITH IMPORTANT PRODUCT INFORMATION

The product is guaranteed to be free from defects in workmanship and parts for a period of 60 months from the date of purchase. Defects that occur within this warranty period, under normal use and care, will be repaired, replaced or refunded at our discretion. The benefits conferred by this warranty are in addition to all rights and remedies in respect of the product that the consumer has under the Competition and Consumer Act 2010 and similar state and territory laws.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

5 YEAR WARRANTY

AFTER SALES SUPPORT

☎ (AUS) 1300 855 831

AUS Hotline Costs: Local rate for landline calls*
*Charges may vary dependent upon network operator or mobile network provider.

support@scheppach.com.au

MODEL: F-CRT12 PRODUCT CODE: 835395 07/2024

ALDI

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12V CORDLESS MINI GRINDER

Repair and Refurbished Goods or Parts Notice

Unfortunately, from time to time, faulty products are manufactured which need to be returned to the Supplier for repair.
Please be aware that if your product is capable of retaining user-generated data (such as files stored on a computer hard drive, telephone numbers stored on a mobile telephone, songs stored on a portable media player, games saved on a games console or files stored on a USB memory stick) during the process of repair, some or all of your stored data may be lost.
We recommend you save this data elsewhere prior to sending the product for repair.
You should also be aware that rather than repairing goods, we may replace them with refurbished goods of the same type or use refurbished parts in the repair process.
Please be assured though, refurbished parts or replacements are only used where they meet ALDI's stringent quality specifications.
If at any time you feel your repair is being handled unsatisfactorily, you may escalate your complaint. Please telephone us on SUPPLIER TELEPHONE or write to us at:

RossMac Pty. Ltd.
Unit 6, 4 Ovata Drive, Tullamarine, Victoria, 3043
Telephone: 1300 855 831 (Monday - Friday 8:00am-6:00pm)
Email: support@scheppach.com.au

5 YEAR WARRANTY

AFTER SALES SUPPORT

☎ (AUS) 1300 855 831

AUS Hotline Costs: Local rate for landline calls*
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