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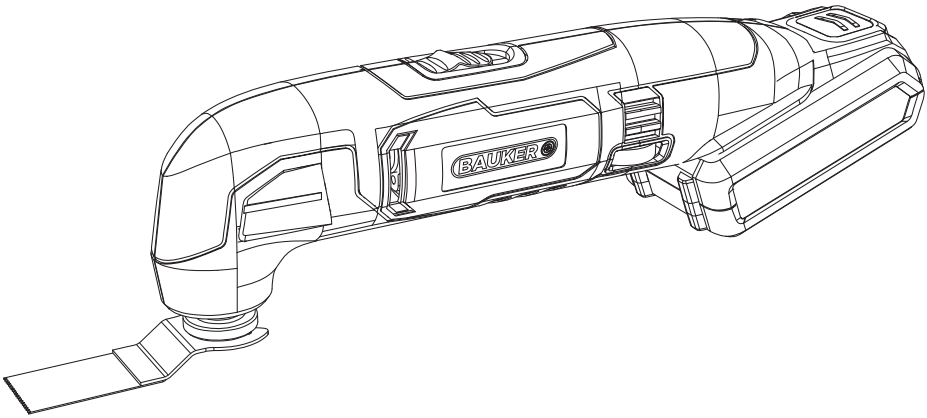


18V LITHIUM-ION MULTI-TOOL
ORIGINAL INSTRUCTION MANUAL

ORIGINAL INSTRUCTIONS

ORIGINAL INSTRUCTIONS

General Power Tool Safety Warnings

⚠ WARNING! 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.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.

b) 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.

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

2) Electrical safety

a) 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.

b) 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.

c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

d) Do not abuse the cord. Never use the cord for

carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.

e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

f) **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.

3) **Personal safety**

a) **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.

b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c) **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.

d) **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.

e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.

f) **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.

g) **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.

4) Power tool use and care

a) **Do not force the power tool. 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.

b) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c) **Disconnect the plug from the power source and/ or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.

e) **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.

f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g) **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.

h) **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.

5) Battery tool use and care

a) Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

b) Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.

c) When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

d) Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

6) Service

a) 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 INSTRUCTION FOR CUTTING

1. **Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring.** Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
2. **Always wear a dust mask**

SAFETY WARNINGS FOR BATTERY PACK

a) **Do not dismantle, open or shred cells or battery pack.**
b) **Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.** When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
c) **Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.**
d) **Do not subject battery pack to mechanical shock.**
e) **In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.**
f) **Seek medical advice immediately if a cell or battery pack has been swallowed.**
g) **Keep battery pack clean and dry.**
h) **Wipe the battery pack terminals with a clean dry cloth if they become dirty.**
i) **Battery pack needs to be charged before use. Always refer to this instruction and use the correct charging procedure.**
j) **Do not maintain battery pack on charge when not in use.**
k) **After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.**
l) **Battery pack gives its best performance when it is operated at normal room temperature** (20 °C ± 5 °C)**.**
m) **When disposing of battery packs, keep battery packs of different electrochemical systems**

separate from each other.

n) **Recharge only with the charger specified by manufacturer. Do not use any charger other than that specifically provided for use with the equipment.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

o) **Do not use any battery pack which is not designed for use with the equipment.**

p) **Keep battery pack out of the reach of children.**

q) **Retain the original product literature for future reference.**

r) **Remove the battery from the equipment when not in use.**

s) **Dispose of properly.**

GENERAL SAFETY WARNINGS FOR BATTERY CHARGER

⚠ **WARNING Read all safety warnings and all instructions.** Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

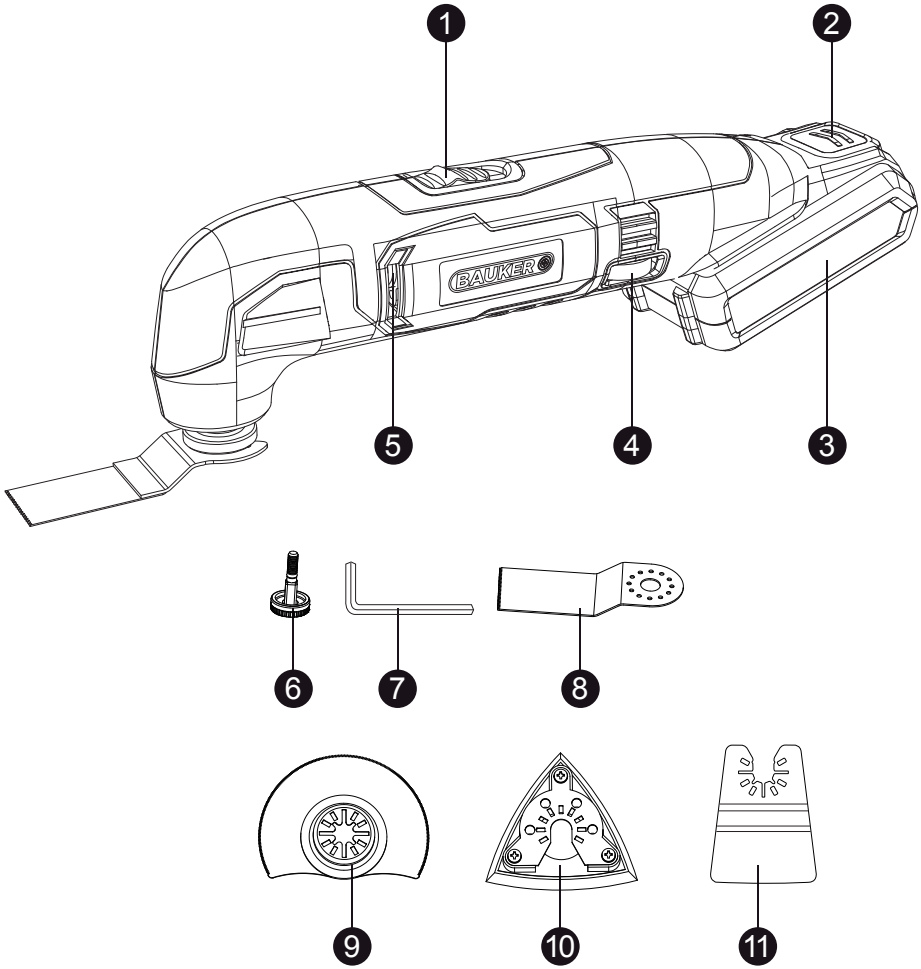
Save all warnings and instructions for future reference.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

ADDITIONAL SAFETY INSTRUCTIONS FOR YOUR BATTERY CHARGER

1. Before charging, read the instructions.
2. Do not charge a leaking battery.
3. Do not use chargers for works other than those for which they are designed.
4. Before charging, ensure your charger is matching the local AC supply.
5. For indoor use, or do not expose to rain.
6. The charging device must be protected from moisture.
7. Do not use the charging device in the open.
8. Do not short out the contacts of battery or charger.
9. Respect the polarity “+/-“ when charging.
10. Do not open the unit and keep out of the reach of children.
11. Do not charge the batteries of other manufactures or ill-suited models.
12. Ensure that the connection between the battery charger and battery is correctly positioned and is not obstructed by foreign bodies.
13. Keep battery charger’s slots are free of foreign objects and protect against dirt and humidity. Store in a dry and frost-free place.
14. When charging batteries, ensure that the battery charger is in a well-ventilated area and away from inflammable materials. Batteries can get hot during charging. Do not overcharge any batteries. Ensure that batteries and chargers are not left unsupervised during charging.
15. Do not recharge non-rechargeable batteries, as they can overheat and break.
16. Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 18°Cand 24°C. Do not charge the battery pack in air temperatures below 4.5°C, or above 40.5°C. This is important as it can prevent serious damage to the battery pack.
17. Charge only battery pack of the same model provided by manufacturer and of models recommended by manufacturer.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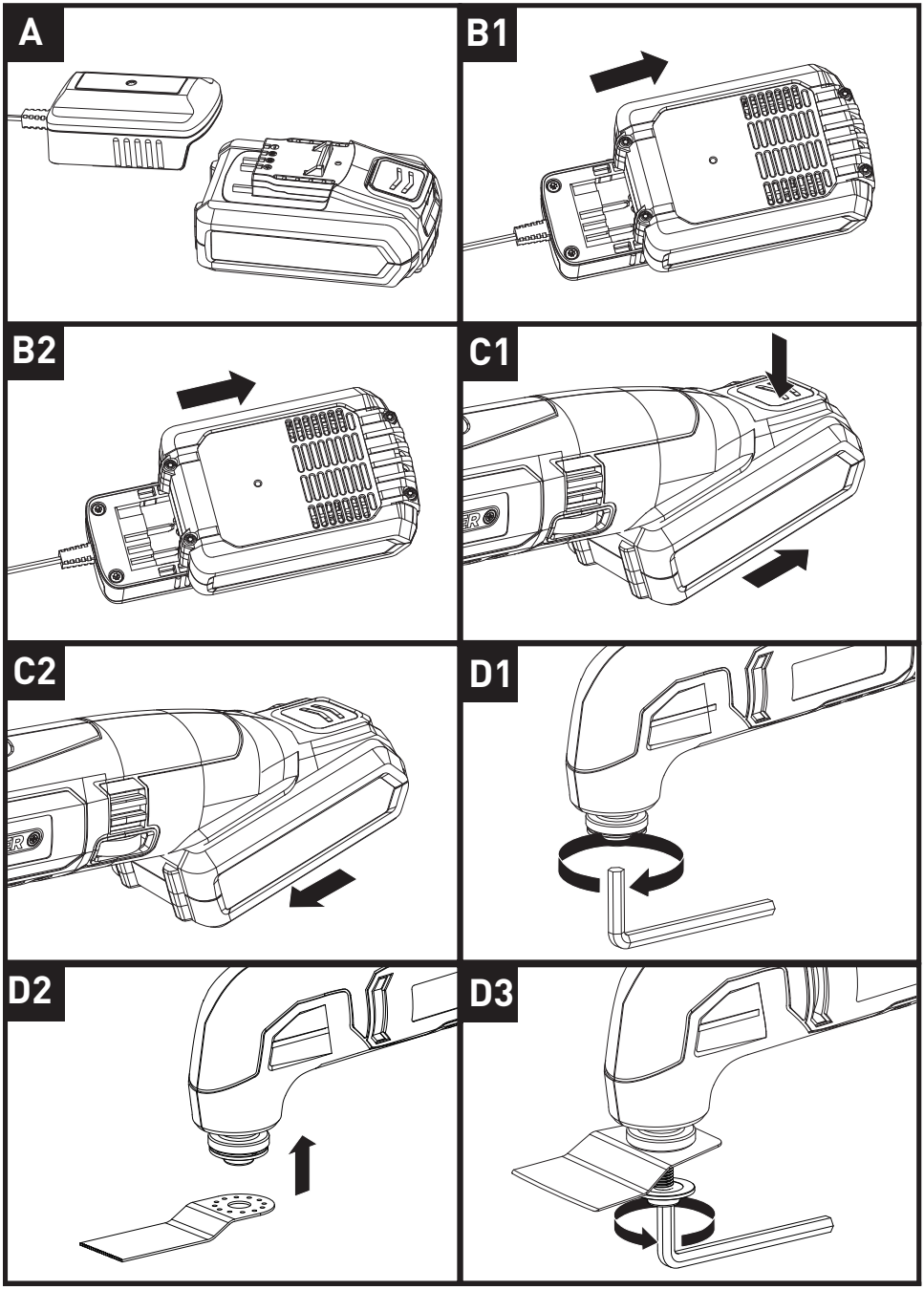
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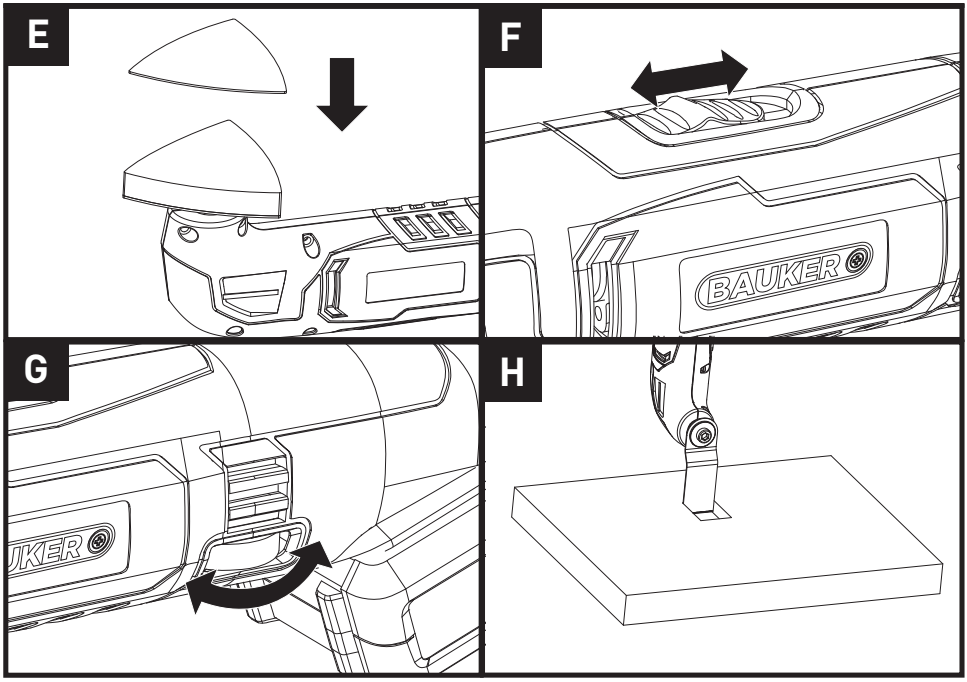
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SYMBOLS

To reduce the risk of injury, user must read instruction manual

Wear eye protection

Wear ear protection

Wear dust mask

Warning

Double insulation

Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.

Do not dispose of batteries, Return exhausted batteries to your local collection or recycling point.

Do not burn

Do not expose to rain or water

For indoor use only

Fuse (For charger ACG118W)

Fuse (For charger ACG18G25)

Positive terminal

Negative terminal

COMPONENT LIST

1. ON/OFF SWITCH
2. BATTERY PACK RELEASE BUTTON
3. BATTERY PACK
4. VARIABLE SPEED CONTROL
5. VENTING SLOT
6. FLANGE
7. ALLEN KEY
8. PRECISION WOOD CUT BLADE
9. HSS SEMICIRCLE SAW BLADE
10. SANDING PLATE
11. SCRAPING

*** Not all the accessories illustrated or described are included in standard delivery.**

TECHNICAL DATA

Type CMT18GW.1(CMT-designation of machinery, representative of High frequency multi-function tool)

Rated Voltage	18V⎓
No load speed	6000 - 18000/min
Oscillations angle	3.2°
Machine weight	1.23 Kg
Charger (ACG118W):	
Charger Protection class	⧈/II
Charger Input	220-240V~ 50/60Hz, 37W
Charger Output	20V⎓ 1500mA
Battery pack	ABP118W1
Battery capacity	18V⎓ 1.5Ah 27Wh

ACCESSORIES

1-1/8˝ 28mm standard end cut blade	1
1-3/8˝ 35mm standard end cut blade	1
Rigid scraping blade	1
Sanding plate	1
60# Sanding sheet	1
80# Sanding sheet	1
120# Sanding sheet	1

Allen key	1
Battery pack	1
Charger	1

We recommend that you purchase your accessories from the same store that sold you the tool. Choose the type according to the work you intend to undertake. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

Noise Information

A weighted sound pressure: L_{pA}: 74dB (A)

A weighted sound power: L_{wA}: 85dB (A)

K_{PA}&K_{WA}: 3.0dB (A)

Wear ear protection.

Vibration Information

Vibration total values (triax vector sum) determined according to EN 60745:	
Typical weighted vibration	Vibration emission value a_h = 2.986 m/s^2
	Uncertainty K = 1.5 m/s^2

The declared vibration total value and the declared noise emission value have been measured in accordance with a standard test method and may be used for comparing one tool with another. The declared vibration total value and the declared noise emission value may also be used in a preliminary assessment of exposure.

WARNING! The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used dependant on the following examples and other variations on how the tool is used:
How the tool is used and the materials being cut or sanded
The tool being in good condition and well maintained
The use the correct accessory for the tool and ensuring it is sharp and in good condition.
The tightness of the grip on the handles and if any anti vibration accessories are used.
And the tool is being used as intended by its design and these instructions.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed

WARNING! To be accurate, an estimation of exposure level in the actual conditions of use should also take account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Helping to minimise your vibration exposure risk.
ALWAYS use sharp chisels, drills and blades
Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate)
If the tool is to be used regularly then invest in anti vibration accessories.
Plan your work schedule to spread any high vibration tool use across a number of days.

OPERATING INSTRUCTIONS

NOTE: Before using the tool, read the instruction book carefully.

Intended use:
This tool is intended for the fastening and loosening of bolts, nuts and various threaded fasteners. This tool is not intended for use as a drill.

BEFORE PUTTING INTO OPERATION
A) CHARGING THE BATTERY (SEE FIG. A)
NOTE:

a) Do not use any charger other than that specifically provided for use with the equipment.
b) If the battery pack is very hot you must remove your battery pack from the charger and allow time for the battery to cool down before recharging.
c) The battery in your new tool is not charged when it leaves the plant. Therefore it must be full charged before using the first time
d) Please charge the battery to reach full or no less than half charge before storage. If the tool will not be used for long periods of time, charge the battery every 3-6 months.

CHARGING PROCEDURE

1) Plug the charger into an appropriate outlet. The light will be green.
2) Slide the battery pack into the charger, the light will turn to red to indicate the charging process has started.
3) When charging is completed, the light will turn to green. The pack is now fully charged, unplug the charger and remove the battery pack.

WARNING: When battery charge runs out after continuous use or exposure to direct sunlight or heat, allow time for the battery to cool down before re-charging to achieve the full charge.

CHARGING INDICATOR
This charger is designed to detect some problems that can arise with battery packs. Indicator lights indicate problems (see table below). If this occurs, insert a new battery pack to determine if the charger is OK. If the new battery charges correctly, then the original pack is defective and should be returned to a service center or recycling service center. If the new battery pack displays the same problem as the original Battery Pack, have the charger tested at an authorized service center.

Light	Status
Red on	Charging
Green on	Fully Charged

OPERATION

1. INSTALLING AND REMOVING THE BATTERY PACK

A) TO REMOVE THE BATTERY PACK (See Fig. C1)

Depress the Battery Pack Release Button (2) firmly first and then slide the Battery Pack out from your tool.

B) TO INSTALL THE BATTERY PACK (See Fig. C2)

Slide the fully charged Battery Pack onto the tool with sufficient force until it clicks into position.

2. MOUNTING THE TOOL (See Fig. D1-D3)

WARNING: For all work or when changing application tools, always wear protective gloves. Avoid danger of injury from the sharp edges of the application tools.
Application tools can become very hot while working, presenting danger of burns!

WARNING: To reduce the risk of injury, do not let the universal end cut blades or any segment saw blades face back toward the user's hand.

- Loosen the Flange

Use the Allen Key to rotate the Flange clockwise. (See Fig. D1)

- Insert Accessories

Insert the Accessory onto the accessory holder.(See Fig. D2)

- Tighten the Flange

Use the Allen Key to rotate the Flange counter-clockwise until accessory is tightened securely.(See Fig. D3)

3. MOUNTING / CHANGING THE SANDING SHEET (See Fig. E)

Align the sanding sheet and press it onto the sanding plate by hand.
Firmly press the power tool with the sanding sheet against a flat surface and briefly switch the power tool on. This provides for good adhesion and prevents premature wear.
If one point has become worn, pull off the sanding sheet, turn it 120° and place it on again.

4. OPERATING THE ON/OFF SWITCH (See Fig. F)

——Switching the power tool ON:
Slide switch (1) forward (I).
——Switching the power tool OFF:
Slide switch (1) backward (0).

5. USING THE VARIABLE SPEED CONTROL (See Fig. G)

Select oscillation frequency (speed) while the motor is running.
The variable speed control (4) can be used to set the optimum oscillating frequency according to the accessories used and the respective application.
High oscillation frequency:
Sanding, sawing, rasping and polishing stone and metal.
Low oscillation frequency:
Polishing varnishes.

6. SANDING

Typical application: wood, metal; small areas, especially corners, edges and places difficult to access.
Select high oscillation frequency.
Sand with a constant movement and light pressure.
Heavy pressure does not increase the removal – the sanding sheet merely wears faster.

7. SAWING WITH THE SEMICIRCLE SAW BLADE

The workpiece must be inserted firmly or clamped tightly before it is cut.
Typical application: wood, PVC, soft metal sheet.
Select high oscillation frequency .
The saw blade lasts longer if the wear is distributed evenly. To ensure an even distribution, loosen the saw blade, rotate it and retighten firmly.

8. SAWING WITH THE END CUT SAW BLADE (SEE Fig. H)

WARNING: The sawing teeth are very sharp. Do not touch during mounting and application.
The workpiece must be inserted firmly or clamped tightly before it is cut.
Typical application: wood, plaster board, soft plastics and metal (e. g. nails).
When plunging and sawing use a slight pendulum motion, to allow sufficient chip removal.

9. SCRAPING

Typical application: Scraping off old varnish or adhesives, removing glued carpeting, e. g. on stairs or other small to medium-sized surfaces.
Select medium / high oscillation frequency.

10. DISPOSAL OF AN EXHAUSTED BATTERY PACK

To preserve natural resources, please recycle or dispose of the battery pack properly. This battery pack contains Lithium batteries. Consult your local waste authority for Li-Ion information regarding available recycling and/or disposal options. Discharge your battery pack by operating your tool, then remove the battery pack from the tool housing and cover the battery pack connections with heavy-duty adhesive tape to prevent short circuit and energy discharge. Do not attempt to open or remove any of the components.

WORKING HINTS FOR YOUR TOOL

If your power tool becomes too hot, especially when used at low speed, set the speed to maximum and run it with no load for 2-3 minutes to cool the motor. Avoid prolonged usage at very low speeds. Always keep the blade sharp.
Always ensure the workpiece is firmly held or clamped to prevent movement.
Any movement of the material may affect the quality of the cutting or sanding finish.
Start your tool before working and turn it off only after you stop working.
Do not start sanding without having the sandpaper fitted.
Do not allow the sandpaper to wear away , it will damage the sanding pad. The guarantee does not cover sanding pad wear and tear.
Use coarse grit paper to sand rough surfaces, medium grit for smooth surfaces and fine grit for finishing surfaces. If necessary, first make a test run on scrap material.
Excessive force will reduce the working efficiency and cause motor overload. Replacing the accessory regularly will maintain optimum working efficiency.

MAINTENANCE

Remove the battery pack from the tool before carrying out any adjustment, servicing or maintenance.
Your power tool requires no additional lubrication or maintenance.
There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust. Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.

ENVIRONMENTAL PROTECTION


Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.

PLUG REPLACEMENT (ONLY FOR REWIRABLE PLUG OF UK & IRELAND)

If you need to replace the fitted plug then follow the instructions below.

IMPORTANT

The wires in the mains lead are colored in accordance with the following code:

BLUE =NEUTRAL

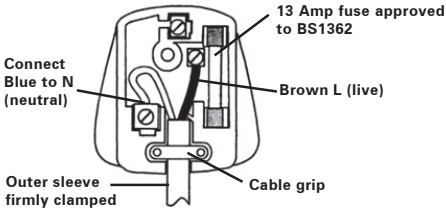
Brown = Live

As the colors of the wires in the mains lead of this appliance may not correspond with the colored markings identifying the terminals in your plug, proceed as follows. The wire which is colored blue must be connected to the terminal which is marked with N. The wire which is colored brown must be connected to the terminal which is marked with L.

Warning!

Never connect live or neutral wires to the earth terminal of the plug. Only fit an approved 13ABS1363/A plug and the correct rated fuse.

Note: If a moulded plug is fitted and has to be removed take great care in disposing of the plug and severed cable, it must be destroyed to prevent engaging into a socket.



DECLARATION OF CONFORMITY

We,
Positec Power Tools (Europe) Ltd,
PO Box 6242, Newbury, RG14 9LT, UK

Declare that the product
Description **High frequency multi-function tool**
Type designation **CMT18GW.1 (CMT-designation of machinery, representative of High frequency multi-function tool)**
Function **Sanding, sawing, rasping, scraping, polishing**

Complies with the following Directives:
2006/42/EC, 2011/65/EU, 2014/30/EU, 2014/35/EU

Standards conform to
EN 60745-1, EN 60745-2-4, EN 55014-1, EN 55014-2, EN 60335-1, EN 60335-2-29, EN 62233, EN 61000-3-2, EN 61000-3-3,

The person authorized to compile the technical file,
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Address **Positec Power Tools (Europe) Ltd, PO Box 6242, Newbury, RG14 9LT, UK**

2018/01/24
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