

# INSTRUCTION MANUAL

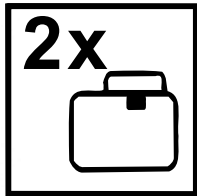
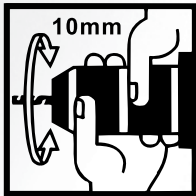
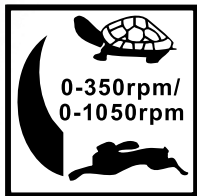
67006c

Read all the instruction carefully before you use the appliance and keep it for future use.



**MARKSMAN**  
QUALITY TOOLS

# 18V CORDLESS DRILL



230-240V~50Hz

0-350RPM/O-1050RPM

CHUCK CAPACITY: 0.8-10mm



5 038673 670065

MARKSMAN B20 3BT UK

**RoHS** ✓

**CE**



## IMPORTANT SAFEGUARDS

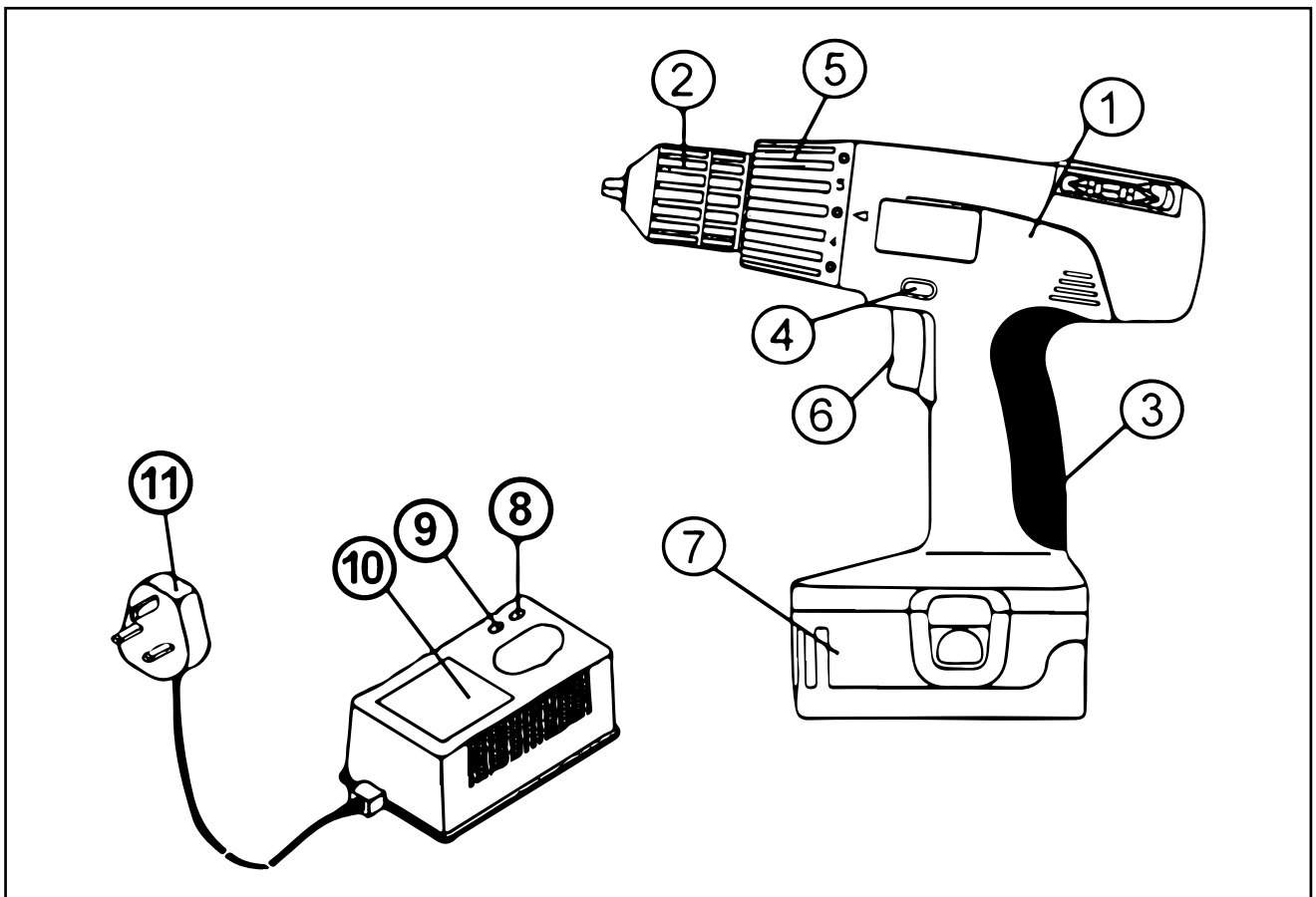
This cordless drill has been manufactured in accordance with the applicable European standards and equipment safety legislation.

When using electrical appliances, it is important to take some safety precautions in order to avoid possible injury and damage.

For that reason, you should carefully read and store these instructions such that this information is available to you at all times.

Do not dispose of Ni-Cd batteries in household waste! The battery must be returned, in accordance with legislation on batteries, to the dealer or to the service centre.

## Diagram of the cordless drill



**Diagram 1**

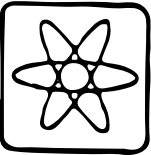

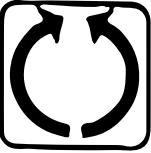

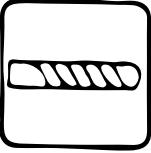



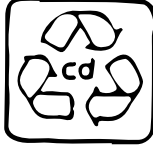
No	Name	No.	Battery pack
1.	Cordless Drill	8.	Red Indicator
2.	Drill Chuck	9.	Green Indicator
3.	Handle	10.	Charger
4.	Reverse Switch	11.	Plug(AC)
5.	17 - Stage Torque Setter		
6.	On-Off Switch With Speed Control		
7.	Name		

## Technical data

		Type	67006c	67005c
		Idle speed no	0-350/10-1050/min	0-350/0-1 250/min
		Voltage	18V	18V
		Drill-bit pick-up size	0.8-10mm	1.5-13mm
		Continuous noise level	<81.2d B(A)	<79d B(A)
		Hand -arm- Vibration	< 1.018m/s <sup>2</sup>	<2.3m/s <sup>2</sup>
Data Battery And Charger	Fast Charge process	Voltage	18V	18V
		Charge current	1.5A	1.5A
		Charge time	1-1.5hours	1-1.5hours

## Caution:

Each cordless drill is supplied with a genuine battery pack and a charger. Please adhere to the following guidelines:

	Electronic control speed		Ambient temperature maximal
	Rotation right/left regulate		Do not dispose of Ni-Cd batteries in household waste!
	Bit		Protect Ni-Cd batteries against heat and fire: risk of explosion!
	Drill Bit		Do not throw Ni-Cd batteries into water!
			Recycling

## **SAFETY INSTRUCTIONS**

**Cautions: When using power tools, attention must be paid to the following basic safety measures as protection against electric shocks and against the risk of injuries and burns. Read and observe these instructions before you use the device.**

01. Keep your working area tidy.  
Disorder in the working area increases the risk of accidents.
02. Take account of surrounding influences.  
Never expose power tools to rain or moisture and do not use power tools in moist or wet environments. Ensure that there is good lighting. Do not use power tools in the vicinity of combustible liquids or gases.
03. Protect yourself from electric shocks.  
Avoid bodily contact with earthed parts. e.g. pipes, radiators, stoves or refrigerators.
04. Keep power tools away from children.  
Do not let other people touch the tool or the cable and keep the people away from your working area.
05. Store your tools in a safe place.  
Unused tools should be stored in a dry, locked room where children can not reach them.
06. Do not overload your tool.  
You will work better and more safely in the specified performance range.
07. Use the correct tool.  
Do not use any tools or attachments, which are too weak for heavy work. Do not use tools for purpose and work for which they are not intended.
08. Wear appropriate working clothes.  
Do not wear any loose clothing or jewellery (they could get caught up in moving parts). For outdoor work, it is recommended that you wear rubber gloves and non-slip footwear. If you have long hair, wear a hairnet.
09. Use safety glasses & ear defenders.  
Furthermore, use a breathing mask when performing any work, which generates dust.
10. Do not use the cable for inappropriate purposes.  
Do not carry the tool by the cable and do not use the cable in order to pull the plug out of the socket. Protect the cable from heat, oil and sharp edges.
11. Secure the work-piece.  
Use clamping devices or a vice in order to hold the work-piece in a secure position. It is thus held more safely than by your hand and allows you to operate the machine with two hands.
12. Do not over stretch beyond your standing area.  
Avoid any abnormal postures. Ensure that you are standing securely and keep your balance at all times.
13. Look after your tools with care.  
Keep your tools ready for operation (e.g. sharp) and clean in order to work well and safely. Follow the maintenance regulations and the instructions for tool changes. Check the plug and the cable regularly and, if these are damaged, have them replaced by a recognized electrical specialist. Always keep handles dry and free from oil and grease.
14. Pull the mains plug out.  
When not in use, prior to maintenance and during the tool change, e.g. saw blade, drill bit and machine tools of all kinds.
15. Do not leave any tools keys inserted.  
Before switching on, check that keys and setting tools have been removed.

16. Avoid any unintentional operation/starting-up of the device.  
Do not place your finger on the switch when carrying tools connected to the mains supply. Make sure that the switch has been switched off when the device is connected to the main supply.
17. Extension cables outdoors.  
Outdoors, use only those extension cables, which have been approved for this purpose and are marked accordingly.
18. Always pay attention.  
Observe your work. Proceed sensibly. Do not use the tool if you are lacking in concentration.
19. Check your device for damage.  
Before continuing to use the tool, carefully check the problem-free and intended function of the protective devices or of slightly damaged parts. Check whether the function of moving parts is in order, whether they stick and whether parts are damaged. All the parts must be correctly assembled and must fulfil all the conditions in order to guarantee problem-free operation of the device.  
  
Damaged protective devices and parts should be properly repaired or replaced by a customer service workshop, unless otherwise indicated in the operating instructions. Damaged switches must also be replaced at a customer-service workshop. Never use tools with switches, which cannot be switched on and off.
20. Repairs only by an electrical specialist.  
This power tool complies with the relevant safety regulations. An electrical specialist may only carry out repairs. Otherwise, the operator may have accidents.
21. For your own safety, use only accessories and additional devices which are specified in the operating instructions or are recommended by the tool manufacturer. The use of any insert tools or accessories other than recommended in the operating instructions may entail a risk of injury for you.

### **Special Safety Instructions for Battery Pack and Charger**

**If under extreme conditions any electrolyte should escape from the battery, it's essential to avoid contact with skin. If electrolyte does come into contact with your skin, rinse it off with water. In the event of electrolyte contact with your eyes, it's essential to consult a doctor.**

01. Before the use of the charger and the battery pack, read the instruction manual for it carefully.
02. During the charge process, the current used should correspond to the current of the battery charger.
03. Never let moisture, rain or splashed water reaches the charging location.
04. The ambient temperature must not exceed 40°C. Never expose the device to direct insulation.
05. Only switch off the current when the battery pack has been inserted into the box or has been pulled out of the box.
06. Storage-battery pack, which are defective or damaged or can no longer be recharged, must be disposed of as hazardous waste. Hand them over at a special collection point. Never harm our environment. Do not throw unusable storage-battery pack away into the domestic waste, into fire or into water.
07. If the electrical cable is damaged, the wire may only be replaced by the supplier or by his repair workshop. Have repairs carried out only by an authorized specialist only.
08. Use only storage-battery pack, which has been produced by the original manufacturer.
09. Always keep the surface of the charger free from dust and dirt.
10. Insert the battery pack into the charger. Follow the guidelines provided concerning polarity.

11. Always remove battery pack before working on the machine.
12. When the battery pack is outside the drill, cover the contacts to avoid short circuits (e.g. from tools ).
13. Do not throw Ni-Cd batteries into water or fire, risk of explosion!
14. Protect the battery pack from impacts, and don't open it.
15. Never discharge the battery pack completely and recharge occasionally if not used for a prolonged period.

### Initial Operating

1. Insert charged battery in handle and secure with release button. The spring must snap into place.
2. Separate the battery from the machine by pressing the release button below the machine handle.

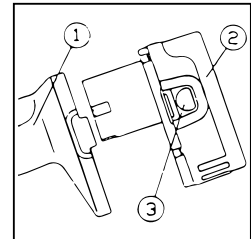


Diagram 2

1. Cordless drill
2. Battery pack
3. Release button

### Charge process

1. Carefully insert the battery pack into the base of the device. Pay attention to the correct direction and do not insert the battery pack the wrong way round.
2. Insert the power plug of the device into the socket (up to 240Y).
3. When the red indicator lights up, the battery pack has been recharged. This process lasts approximately 1-1.5 hours (for fast charge) The red indicator lamp switches automatically OFF after 1-1.5 hours (for fast charge) again, and the green indicator lights up, this means that the battery has been fully recharged. Only then can the power plug be pulled out of the socket. The battery pack can then be taken out of the base and can be used immediately.

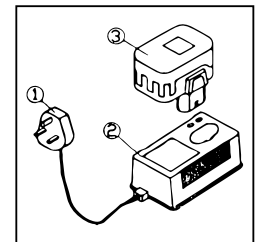


Diagram 3

1. Plug (AC)
2. Charger
3. Battery pack

### Caution:

- The battery pack must be charged up before you first use your machine. The battery pack only reaches its full capacity after several charges.
- Avoid repeated consecutive rapid charges of the battery. Do not recharge after using only briefly. After 15 minutes.
- The battery pack and the power supply unit warm up during the charge process. This is not a malfunction.

### Inserting drill bits/screwdriver bits

1. In order to insert a drill bit/screwdriver bit, grasp the back section of the chuck and rotate the front section of the chuck until the drill/bit holder is fitted.
2. Insert the tool as far as it will to into the drill chuck opening.
3. Clamp in the screwdriver bits using the bit-holder, which is part of the range of accessories.
4. Select screwdriver bits appropriate to the screw head in order to avoid damage to screw heads.
5. Firmly tighten the chuck by hand. Check whether the tool is firmly seated in the drill chuck.

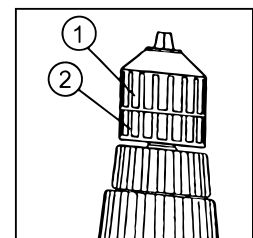


Diagram 4

1. Front section of the chuck
2. Back section of the chuck

## Switching On and Off

Set rotation direction switch to desired position.

To switch on: Press ON/OFF switch. To switch off: Release ON/OFF switch

## Forward & Reversing Switch

Set rotation direction switch either to R ( clockwise) or to opposite side (anti-clockwise). (When ON/OFF switch is activated, rotation direction switch is locked). Anti-clockwise rotation is suitable for e.g. loosening screws and nuts.

**By drilling with lowest rotation speed for a long time, increases the danger of the overheating of the motor. Please allow 15 minutes intervals in between operations to cool down.**

**Caution: before use check the direction of the rotation. Change direction of rotation only when machine is not in operation.**

## Varying the Speed

Simply apply pressure onto the On-OFF/Switch by squeezing it in, this will increase the speed and releasing the pressure on the On-OFF/Switch will decrease the speed.

## Torque Adjustments

This relates to the tightening power of

your drill/driver and depending on the application, various levels of driving power are required. Generally the larger the screw diameter the higher the torque power required to drive the screw until its properly seated.

1 to 2: For driving small screws.

3 to 4 : For driving screws into soft materials or plastics.

5 to 7 : For driving screws into softwoods.

11 to 14 : For driving screws into medium/hard woods.

15 to 16: For powerful screw driving or drilling metal or using spade(hole) bits.

**Cautions:** Always start on the lowest setting. If the correct setting has been chosen, an override clutch opens once the screw has been turned flush into the material. When removing screws, select a higher setting or set to drill symbol. The proper settings and best determined in practical trials.

To drill into metal: If possible, punch the drilling position first, so as to prevent drill-bit run away.

Use a suitable coolant. Suitable coolants can be obtained from shops. Always ask for any advice you need with utilization.

The appliance's noise output may exceed 85dB (A) at the workplace. In this instance, wear ear defenders.

## Maintenance, Cleaning

Before doing any work on the machine itself, remove the battery packet from it.

Clean the appliance with a moist cloth and a little lubricating soap. Don't use any cleaning agents or solvents-these could attack the plastic parts of the appliance. Always keep the surface of the device free from dust and dirt.

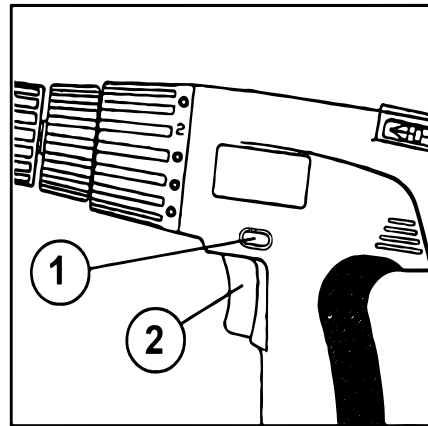


Diagram 5

1. Direction reversal switch
2. On-off switch with speed control

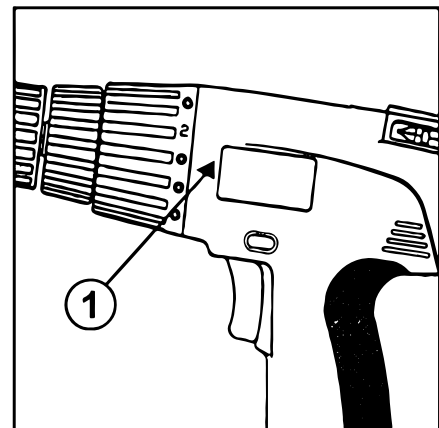


Diagram 7

1. 17 -stage torque setter

## **SAFETY INSTRUCTIONS**

**Warning!** When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury, including the following. Read all these instructions before attempting to operate this product and save these instructions.

### **For safe operation:**

- 01. Keep work area clean** - Cluttered areas and benches invite injuries.
- 02. Consider work area environment** - Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit. Don't use power tools in presence of flammable liquids or gases.
- 03. Guard against electric shock** - Prevent body contact with earth surfaces (e.g. pipes, radiators, ranges refrigerators)
- 04. Keep children away** - Do not let visitors contact tool or extension cord. All visitors should be kept away from work area.
- 05. Store idle Tools** - When not in use, tools should be stored in dry, high, or locked-up place, out of the reach of children.
- 06. Don't force tool** - It will do the job better and safer at the rate for which it was intended.
- 07. Use the right tool** - Don't force small tools or attachments to do the job of heavy duty tool. Don't use tools for purposes not intended for example, don't use circular saw for cutting tree limbs or logs.
- 08. Dress properly** - Do not wear loose clothing or jewellery. They can be caught in moving parts. Rubber gloves and nonskid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- 09. Use safety glasses** - Also use face or dust mask if cutting operation is dusty.
- 10. Do not abuse the cord** - Never Carry tool by cord or yank it to disconnect it from receptacle, Keep cord from heat, oil and sharp edges.
- 11. Secure work** - Use clamps or a vice to hold work, it's safer than using your hand and it frees both hands to operate tool.
- 12. Do not overreach** - Keep proper footing and balance at all times.
- 13. Maintain tools with care** - Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorised service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free from oil and grease.
- 14. Disconnect tools** - When not in use, before servicing, and when changing accessories such as blades, bits and cutters.
- 15. Remove adjusting keys and wrenches** - Form the habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- 16. Avoid unintentional starting** - Don't Carry plugged-in tool with finger on switch. Be sure switch is off when plugging in.
- 17. Outdoor use extension cords** - When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
- 18. Stay alert** - Watch what you are doing, Use common sense. Do not operate tool when you are tired.
- 19. Check damaged parts** - Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of



parts, mounting, and any other conditions that may affect its operation.

- A guard or other part that is damaged should be properly repaired or replaced by an authorised service centre unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by an authorised service centre. Do not use tool if switch does not turn it on and off.

**20. Warning** - The use of any other accessory or attachment other than that recommended in this operating instruction might present a risk of personal injury.

**21. Have your tool repaired by an expert** - This electric appliance is in accordance with the relevant safety rules. Only experts may carry out repairing of electric appliances otherwise it may cause considerable danger for the user.

**22. connect the dust extraction device** - Wherever there are facilities for fitting a dust extraction system, make sure it is connected and used.

**23. Noise level** - The noise level of this power tool is measured according to IEC 59 co 11, IEC 704, DIN 45635 Part 21, NFS 31081 (84/537IEWG). Noise level at work area can exceed 85 dB (A). In that case operators should protect themselves against damage to hearing - wear ear defenders.

**WARNING:**

**THIS PRODUCT OPERATES AT 230 VOLT AC SINGLE PHASE MAINS VOLTAGE.  
READ ALL THE SAFETY INSTRUCTIONS BEFORE USING THE MACHINERY.  
OBSERVE ALL THE LOCAL SAFETY REGULATIONS.**

This product is "CE" marked and complies with all the relevant European CE directives for LVD, EMC and Machinery safety.

# UK PLUG REWIRING

Your appliance operates on 230-240V-50Hz AC Mains and comes fitted with a 3-pin BSI Approved plug, so that it is ready for use by simply plugging into AC Mains. Should you need to change or refit a plug, proceed as follows:

## **IMPORTANT:**

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

BLUE : NEUTRAL (N)

Brown or RED : LIVE (L)

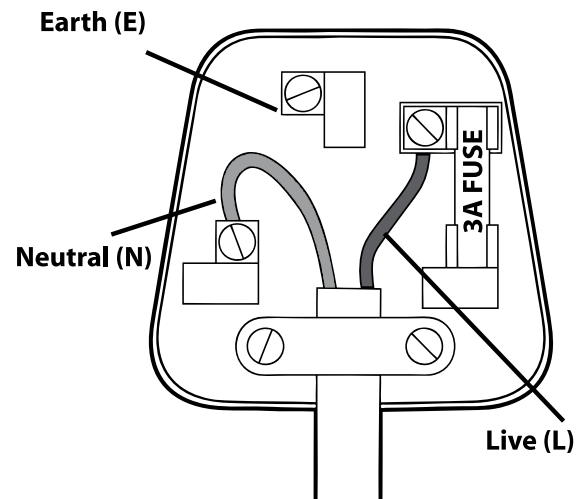
As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter "N" or coloured BLACK.

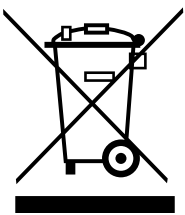
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter "L" or coloured RED.

Always ensure that the Mains Cord is located into the Plug through the Cord Guard or Cable Clamp, and that the Cord Guard screws are lightened to clamp the Cord (outer sheath and inner coloured wires) in position in the Plug. Make sure the Plug top is also fitted securely.

This appliance must be protected by a 3-amp fuse in a 3-amp type (BS1363) plug. Should you need to replace the fuse, use only an ASTA approved BS 1362 fuse.



#### **CORRECT DISPOSAL OF THIS PRODUCT**



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

# **18V CORDLESS DRILL**

**RoHS** ✓

**CE**



  
5 038673 670065  
**MARKSMAN B20 3BT UK**



**MARKSMAN**  
QUALITY TOOLS

67006c