



# INSTRUCTIONS MANUAL

im Vertrieb von:

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Mit Sicherheit montiert

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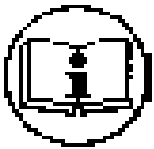
## IMPORTANT

The tool delivered with this manual may be modified for specific needs.

In that case, please give us the tool code number written on our shipping note or the approximate tool delivery date when you will place an order for a new similar tool or for spare parts.

In that way, you will be sure to get the required and/or spare part.

## WARNING



This informations has to be kept in a location known all users.



Each operator has to read carrefully this manual before installing, using, and mending the product.

Be sure that the operator has understood using recommendations and the meaning of signs put on the product.

Most accidents could be avoided respecting this Manual Instructions. As a matter of fact, they were created according to European laws and norms regarding products.

In each case, please respect and follow safety national norms. Do not take off nor damage the stickers or advise put on the product and above all the details imposed by the law.



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## 1. GENERAL SAFETY RULES

**WARNING! Read and understand all instructions.** Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

### SAVE THIS INSTRUCTIONS

#### 1.1 Work Area

- **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
- **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

#### 1.2 Electrical Safety

- **Grounded tools must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use any plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded.** If the tools should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user.
- **Avoid body contact with grounded surface ad pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
- **Don't expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately.** Damaged cords increase the risk of electric shock.
- **When operating a power tool outside, use an outdoor extension cord marked W-A or W.** These cords are rated for outdoor use and reduce the risk of electric shock.

#### 1.3 Personal Safety

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
- **Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools may result in personal injury.
- **Remove adjusting keys or switches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
- **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.

- **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

#### 1.4 Tool use and Care

- **Use clamps or other practical way to secure and support the workplace to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.

- **Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.

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

- **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety

- **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.

- **Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.

- **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.

- **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.

#### 1.5 SERVICE

- **Tool service must be performed only by qualified personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.

- **When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of electric shock or injury.

## 2. SPECIFIC SAFETY RULES

**2.1 Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.**

Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.

**2.2 Never lubricate aerosol oil on to the electrical part.**

### 3. Screwdriver set composition and features

Screwdriver set contains screwdriver, controller and cable.



- Long life time of BLDC motor (No Carbon brush )
  - Programmable speed, angle, auto-reverse feature
  - Torque repeatability  $\pm 3\%$
  - 300-1700 rpm
  - Motor efficiency 85%
  - Low noise, heat and less energy consumption
  - Over heat, Overload, Over voltage protection circuit & LED display
  - ESD free on bit socket
- ( Conductive plastic body is available on request )

4. Screwdriver

4.1 Specification

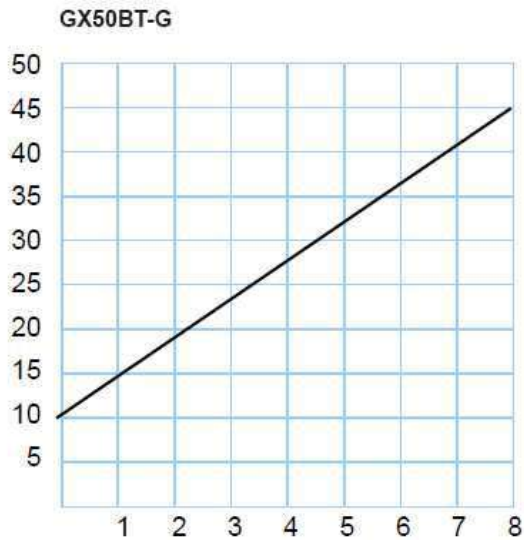
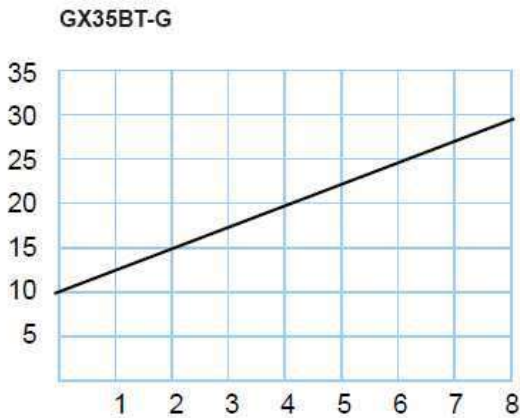
Model	Screw	Start	Torque Kgf.cm	Free Speed (RPM)		Weight (Kg)	Bit
				Min	Max		
GX35BT-G	M3-M5	Lever Start	10-35	700	1500	0,81	Hex 5 mm Hex 1/4"
GX50BT-G	M4-M6		20-50	600	1050		
GX100BT-G	M4-M10		40-100	150	550		

4.2 Available bit size

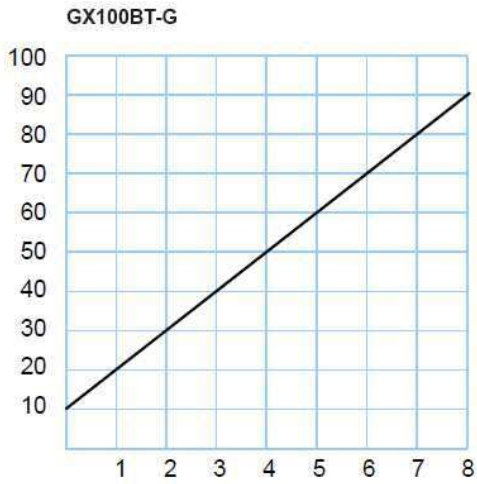
The hexagonal bit size should be selected between A and B as below.



4.3 Torque curve at Max. speed



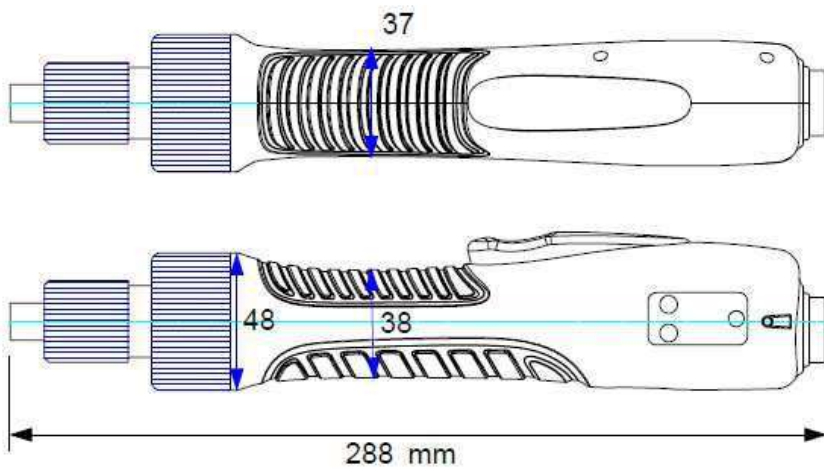




#### 4.4 Information by LED display

no	LED information	LED display	Reset
1	Motor RUN before torque up	● Green (Left)	Auto OFF by motor stop
2	TORQUE UP	● Orange (Left) Torque up and stop	Auto OFF by trigger Off
3	Over Voltage input over 37V	●●↔●● Green & Red lights blinks	Auto OFF under 37V
4	Overload	●● Two Orange light blinks	Auto reset after 5s
5	Overheat(over 80°C_motor)	●● Two Orange light blinks	Auto reset lower than 80°C
6	Driver Lock by ext. signal	●● Two Green lights blinks	Auto reset by signal off

#### 4.5 Dimensions



5. Controller

5.1 Specification

Model	Input	Output	Dimension W D H	Weight Kg	Others
XS-35D	AC110/220V (Selectable)	DC35V 4A	130 x 188 x 65 (mm)	1.2	I/O IN : Driver Lock OUT : Motor run, Torque Up

5.2 Over Current Protection (Overload), Over Heat Protection Details

Description		Over Current Protection	Over Heat Protection
Detection	Limit	<b>10 A current</b>	<b>90 °C</b>
	Time duration	immediately	
Protection		Whole power shut down permanently	
Protection signal	LED	No power	
	Buzzer	No power	
Recovery		Turn off the power switch and on after 1 min.	Turn the power switch off and on at lower than 90 °C temperature.

## 6 Operation

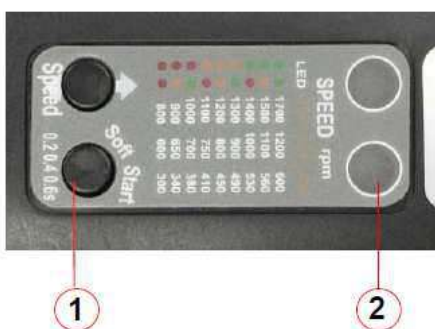
### 6.1 Speed select



- 1) Keep pressing the button① for 2 seconds
- 2) The LED ② display the current status by LED color as below
- 3) By pressing button①, select the speed
- 4) Once screwdriver run, setting will be saved.

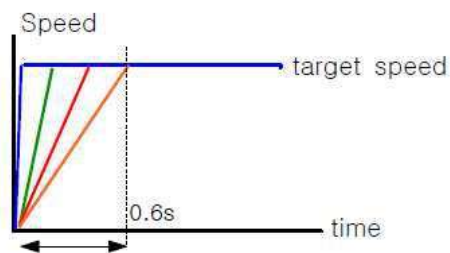
Model	LED	●●	●●●	●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●
	Button	1th	2nd	3rd	4th	5th	6th	7th	8th	9th
GX35BT-G	RPM	700	850	900	1000	1100	1200	1300	1400	1500
GX50BT-G	RPM	600	650	700	750	800	900	950	1000	1050
GX100BT-G	RPM	150	200	250	300	350	400	450	500	550

### 6.2 Soft start



- 1) Keep pressing the button① for 2 seconds
- 2) The LED ② display the current status by LED color as below
- 3) By pressing button①, select the soft start time
- 4) Once screwdriver run, setting will be saved.

② LED color	Soft start time
OFF	No use
● Green	0.2 sec
● Red	0.4 sec
● Orange	0.6 sec



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