



说明书材质要求：105g 有光铜版纸	说明书成品尺寸：105*143mm
第一：专色用6级防晒油墨+CMYK油墨要求： 1.PANTONE137C专色油墨(专色用6级防晒油墨)： 如果自己配色，油墨配比为：酒联中黄(防晒)2000g 酒联金红(防晒)225g 2.C色油墨：酒联天蓝墨 3.M色油墨：酒联金红墨 4.Y色油墨：pantone123C专色油墨 5.K色油墨：酒联黑墨	第二：特别注意： 1.印刷时看样请参考我司提供的实物样品颜色。不得偏色 2.137C的专色不得参考C=0,M=35,Y=90,K=0对应的四色 色谱颜色来看样印刷 Pantone 137C Black（两色印刷）
折叠方式：风琴折(20P以下用风琴折)/骑马钉(20P以上用骑马钉) 特殊情况：16P/20P：风琴折+对折	备注：

特别注意：此页内容不印刷

风琴折 + 对折 页面顺序

16P 页面顺序

9	10	11	封面
12	13	14	封底

1	2	3	4
5	6	7	8

20P 页面顺序

11	12	13	14	封面
15	16	17	18	封底

1	2	3	4	5
6	7	8	9	10

更改记录	1.新制作			1.增加电池包参数		
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INGCO

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**PRODUCT
MANUAL**

CORDLESS SPRAY GUN



CSGLI2004 CSGLI2004xy
UCSGLI2004 UCSGLI2004xy
x(blank,1,2,3,4,5,6,7,8,9,E,S,A,M)
y(blank,-1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)



SCAN FOR VIDEO

GENERAL SAFETY WARNINGS**⚠ Warning!****Work area safety**

- a) **Keep work area clean and well lit. Cluttered and 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. Distractions can control.**

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.

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 energizing 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.** Always keep proper footing and balance. This enables better control of the power tool in unexpected situations.
- f) **Dress properly.** Do not wear loose clothing or jewellery. Keep your hair, clothing, and gloves 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.

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 the battery pack 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. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools 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, considering 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) **Have your power tool serviced by a qualified repair person using only identical.** This will ensure that the safety of the power tool is maintained.

Service

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

THE SYMBOLS IN INSTRUCTION MANUAL

	Double insulated for additional protection
	Read the instruction manual before using.
	CE conformity.
	Safety alert. Please only use the accessories supported by the manufacturer.
	Wear safety glasses, hearing protection and dust mask.
	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.
	Charging the battery only below 40°C
	Always recycle batteries.
	Do not destroy battery by fire.
	Do not expose battery to water

ADDITIONAL SAFETY WARNING

- a) Instruction not to use guns for spraying flammable materials.
- b) Warning to be aware of any hazards presented by the material being sprayed and instruction to consult the markings on the container or the information supplied by the manufacturer of the material to be sprayed.
- c) Instruction not to spray any material where the hazard is not known.
- d) Instruction to use appropriate personal protective equipment, such as dust mask.
- e) Instruction not to clean guns with flammable solvents.

RESIDUAL RISKS

Even when the power tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the power tool's construction and design:

- a) Health defects resulting from vibration emission if the power tool is being used over longer period of time or not adequately managed and properly maintained.
- b) Injuries and damage to property due to broken accessories that are suddenly dashed.

Warning!

This power tool produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this power tool.

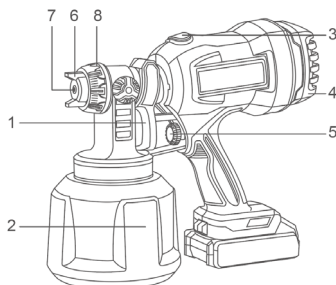
INTENDED USE

The spray gun is for spraying non-flammable and non-hazardous paints and varnishes suitable.

The tool could not be used for spraying of flammable liquids.

Do not use the tool for the food, pharmacy or other purposes that are not mentioned in the manual.

SPECIFICATIONS



- | | |
|----------------------------------|----------------------------|
| 1. Trigger (ON/OFF power switch) | 5. Dosage adjustment screw |
| 2. Tank | 6. Air cap |
| 3. Tank release button | 7. Nozzle |
| 4. Blower | 8. Cap nut |

Technical specifications

Model No.	CSGLI2004 CSGLI2004xy UCSGLI2004 UCSGLI2004xy
Max. viscosity	120din-s
Voltage	20V
Air max back pressure	0.1-0.2bar
Max air flow	800ml / min
Sound pressure level	LpA:77 dB(A) KpA:3,0dB(A) LwA:90 dB(A) KwA:3,0dB(A)
Reservoir capacity	1000 ml
Nozzle size	φ1.5, 2.0, 2.5mm
Weight	0.95kg

Model No. NOTE: x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M); y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

⚠ WARNING!

Only use original battery pack and battery charger as below for this power tool:

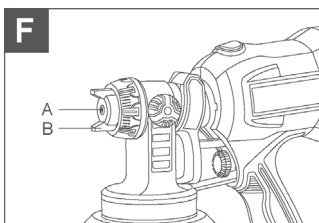
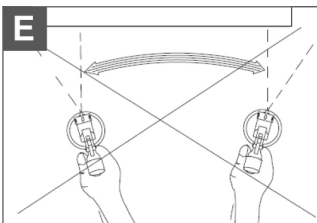
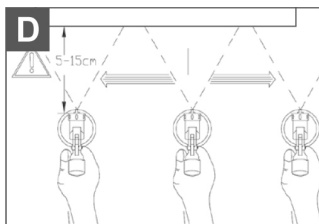
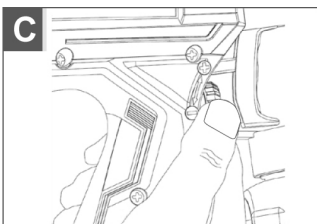
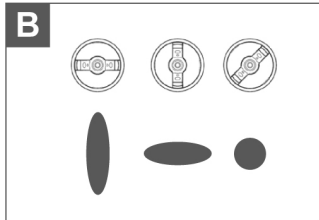
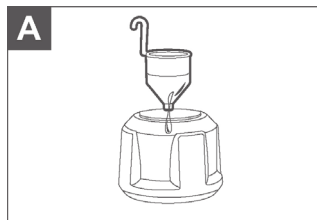
Product	Battery pack		
Model No.	Type	Rated voltage	Rated capacity
FBLI2001 FBLI2001xy	Lithium-Ion	18.5V d.c., 20V Max	2.0Ah
FBLI2002 FBLI2002xy			4.0Ah
FBLI2003 FBLI2003xy			5.0Ah

Model No. NOTE: **x** (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M); **y** (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

Product	Battery pack charger			
Model No.	Input power	Input voltage	Output rated voltage	Output rated current
FCLI2001 FCLI2001xy	50W	220-240V ~50/60Hz	20V d.c.	2A
FCLI2001-9		100-240V ~50/60Hz		
UFCLI2001 UFCLI2001xy		110-120V ~50/60Hz		
FCLI20411 FCLI20411xy FCLI2034 FCLI2034xy	105W	220-240V ~50/60Hz	21V d.c.	4A
FCLI20411-9 FCLI2034-9		100-240V ~50/60Hz		
UFCLI20411 UFCLI20411xy UFCLI2034 UFCLI2034xy		110-120V ~50/60Hz		

Model No. NOTE: **x** (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M); **y** (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

OPERATION PICTURE



OPERATION

Functional description

The air flow generated by the motor fan flows to the spray gun. The air flow serves to atomize the coating material to the nozzle, and to pressurize the container. This pressure promotes the coating material through the riser pipe to the nozzle. Air flow and pressure settings are adjustable.

Coating materials

Solvent-based and water-based paints, finishes, primers, two-component paints, varnishes, automotive topcoats, stains and wood preservatives.

Preparedness the coating material

Note:

Before spraying, the material being used may need to be thinned with the proper solvent as specified by the material manufacturer. Never exceed the thinning advice given by the coating manufacturer.

(viscosity = thickness of the liquid coating material)

Measuring the viscosity (see Figure A)

1. Stir the spray material thoroughly before measuring viscosity
2. Dip the viscosity cup completely into the spray material. Then hold the viscosity cup up and measure the time in seconds until the liquid empties out. This time is referred to as run out time. Required run out time as follow

Viscosity table	
Coating material viscosity DIN-S	
Solvent-based paints	15-50
Primers	25-50
Pickling	undiluted
2 component paints	20-50
varnishes	15-40
Waterborne paints	20-40
Automotive topcoats	20-40
Wood protection center l	undiluted

3. Container filled with coating material. -Tighten the screw gun.
4. Power supply connecting, make sure that the voltage is consistent with the name-plate.
5. Switch on the unit. spray pattern and amounts of material setting, air flow and pressure setting set
6. Trigger on the spray gun.

Note:

With the unit on flows the air cap standing in air.

Adjustment of the spray gun (see Figure B)

Selection spray patterns

A = vertical flat jet for horizontal surfaces.

B = vertical flat beam for vertical surfaces

C = circular jet for corners, edges and others

Setting the desired spray pattern

1. The spray pattern shape is adjusted by turning the ears of the air cap to either the vertical, horizontal, or diagonal positions.

To adjusting spray pattern, unscrew the union nut counterclockwise to remove from the spray gun, pull and turn the ears on air cap to the requested position.

2. Screw the union nut back to the spray gun.
3. Test each pattern and use whichever pattern is suitable for your application.

Warning: Never during the setting of the air cap pull the trigger

Adjustment of the rate of spread (see Figure C)

The material volume by turning the set screw.

+ Right-turn more rate of spread

- Left-turn-less rate of spread

Spray technology (see Figure D&E&F)

The spraying result depends crucially on how smooth and clean the surface before spraying. Therefore, the surface must be pretreated and dust-free.

Not to be sprayed must be covered with tape and newspaper.

Cover screw or similar at the object being sprayed.

It is important to perform on cardboard or a similar surface spray sample to find the right spray gun setting

Important:

the open space of the spray area starts and disruptions avoid within the spray area.

Figure D: Hold the spray gun necessarily at equal distance of about 5 -15 cm for the object being sprayed.

Figure D: False

Take overspray, unevenly even surface quality.

Move the spray gun evenly across or up and down, depending on the pattern adjustment. A uniform spray gun guide gives a uniform surface quality.

Figure E: Clean as coating material buildup on the nozzle A and air cap B both parts with solvents or water.

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Work Stoppages

Switch off the device. Provide spray gun to the spray gun holder.

Decommissioning and cleaning

1. Switch off the device. Press the trigger, so that the coating material in the spray gun passes back into the container.
2. Unscrew the container. Remaining coating material in material tin back empty.
3. Containers and tubing with pre-cleaning brush.
4. Pour in water, solvents or the container.
Screw the container.
Only use solvents with a flash point above 37.8°C.
Switch on the device and inject solvent or water into a container.
When a tube is not used, deposited solvent or water in addition to the container.
Therefore, the air is choked current volume.
5. Repeat the above procedure is leaking at the nozzle clear solvent or water.
6. Switch off the device.
7. Then, empty the tank completely. Always keep container seal free of paint residue and check for damage.
8. Clean spray gun and container exterior with a cloth soaked in solvent and

water cloth.

9. Unscrew the nut, remove the air cap. Clean the air cap and nozzle with brush and solvent or water.

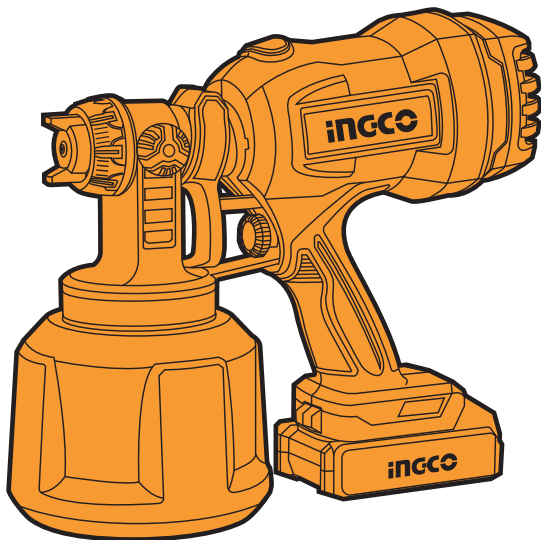
Note:

Never clean the nozzle or air holes in the spray gun with sharp metal objects.

MAINTENANCE&MALFUNCTIONS

Possible malfunctions and methods of their eliminations

Troubleshooting problem	Cause	Remedy
No coating material at the nozzle exit	D PTS clogged.	Clean
	Clogged riser.	Clean
	Small holes on the riser pipe clogged.	Clean
	Amounts of material adjustment screw is turned too far to the left (-).	To the right (+)
	Air flow and pressure adjustment knob is turned too far to the left (counterclockwise).	To the left (counter clockwise)
	Riser loose.	To the right (clockwise) Tighten
	No pressure build-up in the container.	Tighten container
Coating material to the nozzle by drop wise	Nozzle loose.	Attract
	Worn nozzle.	Replace
	Coating material buildup on air cap and nozzle.	Clean
Too coarse atomization	Coatings has gone off to high viscosity.	Dilute
	Large amount of material to	Amounts of material adjustment screw to the left (-).
	Amounts of material adjustment screw is turned too far to the right (+).	Turn to the left (-)
	Air flow and pressure adjustment knob is turned too far to the left (counterclockwise).	Knob to the right (clockwise) Clean
	Contaminated nozzle extremely dirty air filter	Replace
	Too little pressure buildup in the tank	Tighten container
Pulsating spray jet	Coating material in the tank is low.	Top up
	Small holes on the riser pipe clogged.	Clean
	Air filter is very dirty.	Replace
Coating material-runner	Too much coating material applied	Check material quantity
Too much fog coating material	Distance to the object being sprayed too big. Too much coating material order.	Reduce spray distance



MADE IN CHINA 0226.V02

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