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FIG. A

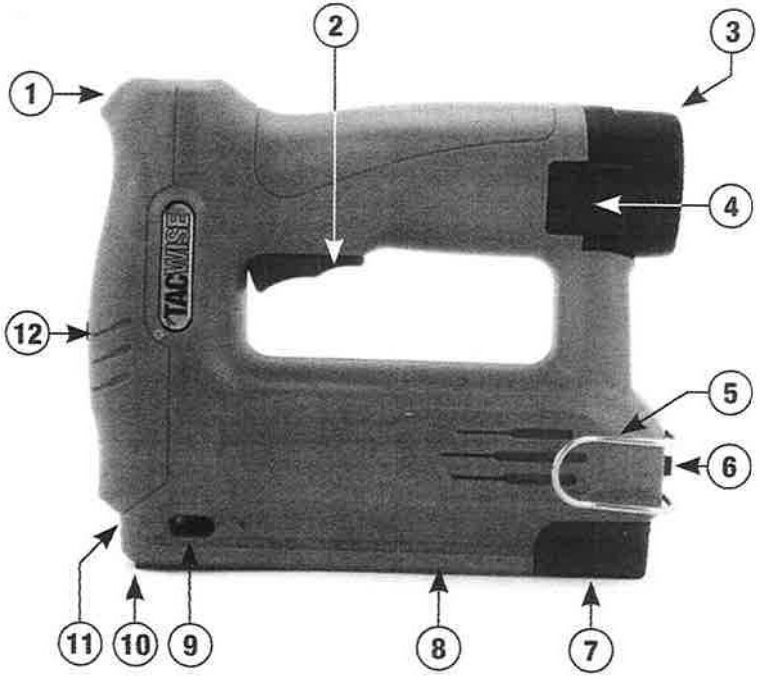


FIG. B - BATTERY CHARGING

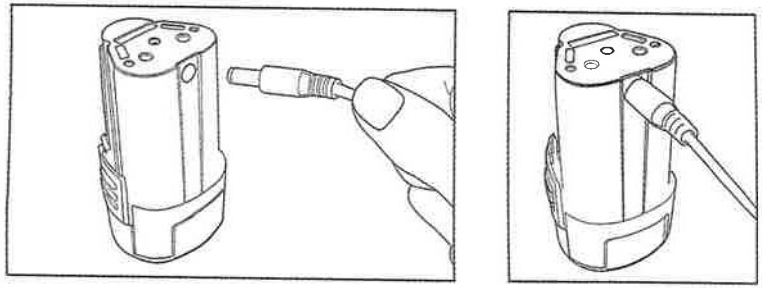


FIG. C - LOADING/REMOVING BATTERY

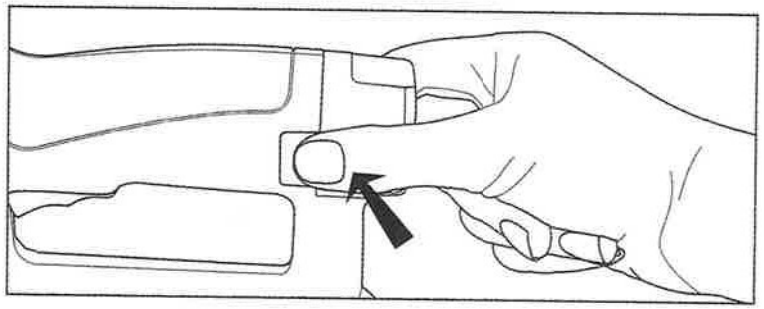


FIG. D - LOADING/UNLOADING STAPLES & NAILS

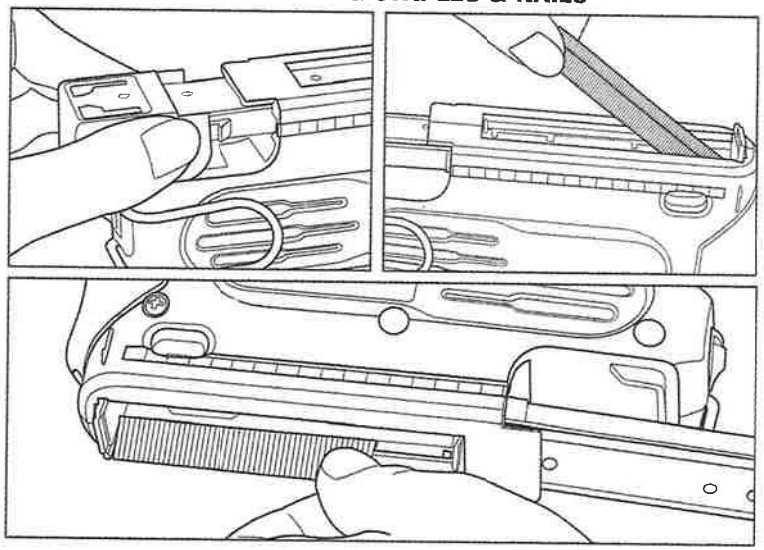
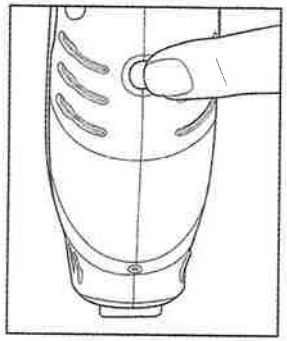


FIG. E - LED LIGHT ON/OFF



(EN) 12V Cordless 2-in-1 Staple/Nail Gun

Congratulations!

On the purchase of your power tool. Your tool will perform to your satisfaction for a long time if handled in accordance with our Safety and Operating instructions.

Save this manual for future reference

Technical data

Tool	12V Cordless Staple/Nail Gun
Model type	140-180EL
Input voltage	12V DC
Vibration emission level*	2.75m/s²
Staple type	Tacwise 140 Staples
Staple length	6-12mm
Nail type	Tacwise 180 & 18G Nails
Nail length	10mm
Max. firing speed	30 staples or nails per minute
Magazine capacity	84 staples/85 nails
Min. nailing distance from wall	15mm
Continuous operation duration per charge with 1.3Ah battery	3000 staples/nails
Weight (with battery)	910g
Battery	
Battery type	Lithium-ion
Voltage	12V DC
Capacity	1.3Ah
Weight	174g
Re-order code	**1582**
Charger	
Mains voltage/input V AC	100-240V
Battery type	Lithium-ion
Charging time	3-5 hrs approx.
Weight	74g

* The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase exposure level over the total working period.

Declaration of Conformity

This power tool has been designed in compliance with the European Directives, German Product Safety Act, UL and CSA standards.

WARNING! Before use carefully read and understand all instructions. Failure to do so could result in electric shock, fire and/or serious personal injury. The term "power tool" in all of the warnings listed below refers to your battery-operated (cordless) 12V staple/nail gun. For any queries relating to safety matters on this power tool, please email **service@tacwise.com**.

Unpacking

- Carefully remove the power tool and accessories from the outer packaging.
- Inspect the power tool carefully to make sure no breakage or damage occurred during transit.
- If any parts are damaged or missing, please email **service@tacwise.com** for assistance. Do not operate this power tool until the missing or damaged parts are replaced. Failure to do so could result in a personal injury.
- Whilst every effort has been made to ensure accuracy of information contained within this manual, the Tacwise policy is one of continuous improvement to our products and as such we reserve the right to change the product specification without prior notice.

General Safety Instructions

Important. This power tool should not be modified or used for any application other than that for which it was designed. Any such alteration or modification is misuse and could result in a hazardous condition leading to a personal injury. If you are unsure of its relative applications do not hesitate to contact us and we will advise you.

Work Area

- **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
- **Keep children and pets away.** All visitors should be kept a safe distance from work area.
- **Avoid dangerous environments.** Do not use power tool in damp or wet locations, or expose them to rain. Provide adequate space surrounding the work area. Do not use in environments with a potentially explosive atmosphere, such as in the presence of flammable

liquids, gases or dust; power tools will create sparks which may ignite the dust or fumes.

- **Secure work.** Use clamps or a vice to hold work. This frees both hands to operate the power tool.

Personal Safety

- **Stay alert.** Always watch what you are doing and use common sense. Do not operate a power tool when you are tired or under the influence of medication, alcohol or drugs.
- **Wear proper clothing.** Do not wear loose clothing or jewellery that can catch in moving parts. Non-slip footwear is recommended. Contain long hair and roll long sleeves up above the elbow.
- **Do not over reach or use on unstable surfaces**. Keep proper footing and balance at all times.
- **Use safety equipment.** Dust mask, non-skid safety shoes, hard hat, and hearing protection must be used for appropriate conditions. Wear CE approved safety goggles at all times. Normal spectacles only have impact resistant lenses; they are NOT safety glasses.

Electrical Safety

- **Disconnect battery from the tool when not in use,** before servicing, when changing accessories such as staples/nails etc. or storing the power tool. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **Do not expose power tool to rain or wet conditions.**
- **Power tool plugs must match the outlet.** Do not use any adaptor plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Protect yourself from electric shock.** When working with power tools, avoid contact with any earthed or grounded surfaces such as pipes, radiators, hobs and refrigerators.
- **Do not abuse the cord.** Never carry the charger by the power cable or pull it with force from the socket. Keep the power cable away from heat, oil, sharp edges or moving parts. Damaged or entangled cords may create a fire or increase the risk of electric shock.

Power Tool Use and Care

- **Do not force the power tool.** Use the correct power tool for your application. It will do the job better and safer at the rate for which it was designed.
- **Do not alter or misuse the power tool.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- **Do not fire if the staples/nails are jammed.** This will cause damage to the driver blade and could invite accidents.
- **Keep fingers off the trigger until ready to drive staple/nail.**
- **Do not use on hard surfaces** such as rock, concrete, masonry, bricks or steel. Personal injury or damage to the power tool could result.
- **Secure work.** Use clamps or other practical ways to secure and support the work piece to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control.
- **Store power tools.** When not in use, all power tools should be stored in a dry, locked cupboard and out of the reach of children and other untrained persons.
- **Check for damaged parts.** Check for misalignment or bending of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, immediately discontinue use and ensure the power tool is repaired before using again. Poorly maintained power tools can result in accidents.
- **Maintain power tools with care.** Cables must be checked at regular intervals and replaced if damaged.
- **Recommended accessories.** Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may create a risk of injury when used on another tool.
- **Keep the power tool and its handle** dry, clean and free from oil and grease for the best and safest performance. Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any strong solvents to clean your power tool. Following this rule will reduce the risk of loss of control and deterioration of the power tool housing.

Battery Tool Use and Care

- **Only use the battery charger specified by the manufacturer.** Use of the wrong battery pack with the charger may create the risk of a fire.
- **Keep away from other metal objects** such as keys, coins, nails, screws, paper clips etc., when battery pack is not in use. Small metal objects like those listed above could make a connection across the terminals, shorting the battery terminals together and may cause a fire.
- **Never leave a battery pack unattended whilst charging.**
- **Liquid may leak from the battery under abusive conditions.** Avoid contact. If skin should accidentally come into contact with liquid, flush with water. If liquid should come into contact with eyes seek additional medical help. Liquid ejected from a damaged battery may cause irritation or burns.

Specific Safety Instructions

- **Always assume that the tool is loaded with fasteners.** Handling the tool without care could result in an unexpected firing of fasteners and lead to personal injury.
- **Use only the staples/nails specified in the manual.** Use of accessories that are not designed for this tool could result in personal injury and/or damage to the power tool.
- **Do not touch any parts of the power tool magazine or nose during operation.** Hold only by the handle or housing of the tool.
- **Do not activate the power tool unless it is in contact with the work piece**. Serious injury can result if you depress the safety contact nose with your fingers, or by improper operation.
- **Fastening thin items.** Special caution must be taken for possible penetration through thin items, as this could cause possible harm to anyone or anything behind the work piece or immediate area.
- **Never use the tool as a hammer.** The sudden impact could shift inner components of the power tool, resulting in a fastener discharge and injury.
- **When fastening has been completed always disconnect from the power source (battery) prior to unloading the magazine.**
- **Do not disassemble any of the fastener driving parts.**
- **Prior to each operation,** check that the safety and triggering mechanism is functioning properly.
- **Never point any power tool at yourself or at any other person.** While working, hold the tool in such a way that no injuries can be caused to the head or to the body in the event of possible recoil.
- **Never actuate the power tool into free space or the air.**

- **Do not drive fasteners on top of other fasteners.**
- **If a fastener jams, disconnect the battery from the tool.** The mechanism may be under compression and a jammed fastener may be discharged while attempting to free it.
- **Do not attempt to open the battery pack.** There is a danger of short-circuiting.
- **Do not use this tool to fasten electric cables.** This tool is not designed for the installation of electric cabling and may damage electric cables which could lead to injury by electric shock or fire hazards.
- **Use appropriate detectors** to determine if any utility lines (electric, gas or water) are hidden within the work area or call your local utility company for assistance.
- **Protect the battery against heat** (continuous intense sunlight), fire, water and moisture. There is a danger of explosion.
- **A damaged battery or one that is subject to improper use can emit vapours.** Ventilate the area and seek medical help if needed. The vapours can irritate the respiratory system.
- **Only use the battery in conjunction with your Tacwise power tool.** This will protect it against overloading.
- **Use only original Tacwise batteries with the power tool.** There may be a danger of injury as well as property damage through exploding batteries that are imitations, reconditioned or other brands. Also make sure that the voltage of your charger corresponds to that of your mains.

Model and Serial No.

The model name and serial number of this tool will be found on a label located on the tool's housing. Please record the model name and serial number in the space provided below. Please always give the following information when contacting us:

MODEL NAME.....

SERIAL NUMBER.....

Explanation of Label on Power Tool


Wear CE approved safety goggles at all times


Read instruction manual before use



Dispose of power tool in accordance with environmental legislation

CE: Conforms with EC directives

GS: Conforms with German Product Safety Act

CUS: Conforms with UL and CSA standards

Explanation of Information For Battery Pack


Read instruction manual before use


Do not charge damaged battery packs


Do not incinerate the battery pack



Charge at temperatures between 0°C and 45°C only


Recyclable



Dispose of batteries in accordance with environmental legislation

CE: Conforms with EC directives

Explanation of Information For Battery Charger


Read instruction manual before use


Use indoors only


Electrical safety; make sure the voltage of your charger corresponds to that of your mains


Danger – electrical item


Dispose of electrical equipment in accordance with environmental legislation

CE: Conforms with EC directives



Polarity

Service

Any servicing requires specialist tools and knowledge and should be performed only by our qualified service engineers or appointed service agent. We strongly recommend that the main housing of the tool is not opened, as such action may result in injury and may compromise the tool warranty.

Features (FIG. A)

1. Status indicator
2. Trigger
3. Battery
4. Battery release
5. Belt hook
6. On/off switch
7. Magazine release
8. Magazine
9. Staple/nail indicator
10. Safety contact nose
11. LED light
12. LED light on/off switch

Battery charging (FIG. B)

Use only the battery charger that comes with the product. Only the battery charger that is matched to the lithium-ion battery should be used in your power tool.

- Insert the mains charging cable into the battery pack, aligning the contact. Push cable end into the battery as far as it will go. Plug the charger into a power socket. The indicator light on the battery pack will be red (battery is charging).
- When battery is fully charged (approx. 3-5hrs) the green indicator light will show.
- The battery is now ready to use. Remove the charger from the power socket and remove the battery pack from the charger.

NOTE: The battery is supplied partially charged. To ensure full capacity of the battery, completely charge the battery before using your power tool for the first time. The lithium-ion battery can be charged at any time without reducing its service life and reaches full capacity after its 5th charge/discharge cycle. The power tool should be charged regularly every few months to prevent damage to the battery. The battery is protected from exhaustive discharge.

The battery is equipped with an NTC temperature control which allows charging only within a temperature range of between 0°C and 70°C MAX. A long battery service life is achieved in this manner. Observe the notes for "battery disposal". The LED will flash red if the temperature is too high or low when the battery is charging.

LED Functions of Battery (whilst charging)

- Red LED on = charging.
- Green LED on = battery fully charged.
- Flashing red LED = battery temperature is too high or low.

LED Functions of Tool

- Red LED = battery low.
- Green LED = staple/nail being fired.

Loading/Removing the Battery (FIG. C)

To load, slide battery into battery housing until it clicks. Squeeze the battery release (4) and pull the battery out completely.

Checking the Safety Contact Nose Mechanism

- Ensure you remove all nails/staples from the magazine (8).
- Press the safety contact nose (10) on the workpiece and pull the trigger (2). The safety nose/contact mechanism and trigger should move freely.
- Place the safety contact nose on the workpiece and press the power tool down into the workpiece without pulling the trigger, the power tool should not fire. Lift the power tool from the workpiece and the safety contact nose should spring back automatically.
- Reload the nails/staples into the magazine (8).

NOTE: Do not use the power tool if the safety nose/contact mechanism does not move freely.

Loading the Tool with Staples (FIG. D)

- Ensure the tool is switched off and unplugged from the charger.
- Turn the tool so the magazine (8) is facing upwards.
- Squeeze magazine release (7) and slide the magazine out.
- Insert staples along the left edge, ensuring they are placed with the sharp edge pointing upwards.
- Push the magazine back until it locks into position.

Loading the Tool with Nails (FIG. D)

- Ensure the tool is switched off and unplugged from the charger.
- Turn the tool so the magazine (8) is facing upwards.
- Squeeze magazine release (7) and slide the magazine out.
- Tilt the tool and place the nails along the left edge of the magazine with the sharp edge pointing upwards.
- Push the magazine back until it locks into position.

NOTE: Do not load fasteners of different lengths together. Do not load staples and nails mixed together.

NOTE: We strongly recommend that you only use approved/genuine Tacwise staples and nails.

Unloading the Tool

- Ensure the tool is switched off.
- Turn the tool so the magazine (8) is facing upwards.
- Squeeze magazine release (7) and slide the magazine out.
- Remove the staple/nail strip from the magazine.

NOTE: Use caution when sliding the magazine back to close. Do not use excessive force. Otherwise, the magazine slider could become damaged and there is danger of your fingers being caught, or pinched.

Using the Tool

- Ensure the tool is loaded correctly.
- Turn the tool on at the on/off switch (6).
- Hold the handle of the power tool firmly with magazine at 90° angle to the work piece.
- Press the safety contact nose (10) into the work piece.
- Squeeze the trigger (2).
- Release the trigger once the staple/nail has been fired.
- Lift the safety contact nose from the work piece.
- Turn the tool off at the on/off switch (6).

The tool has two driving modes:

- Put the nose on the working surface, lightly push the tool toward the working surface until the safety contact nose is depressed, then, depress the trigger to drive the fasteners.
- First, depress the trigger, then, repeatedly impact the safety contact nose, the tool can repeatedly drive the fasteners. The tool will drive one fastener when the nose is depressed.

NOTE: The staple/nail gun will not fire staples/nails unless the safety contact nose is depressed. Do not keep the trigger depressed when the power tool is not in use to prevent accidental firing.

Turning the LED Light On and Off (FIG. E)

This tool is fitted with an LED light that can be switched on to increase the ease of use of the tool.

- Press the LED light on/off switch (12) once to turn the LED on.
- Press the LED light on/off switch (12) once again to turn the LED off.

Clearing Jams

NOTE: You must remove any jammed staples or nails before using the tool any further. If you continue to try and fire a fastener while the tool is jammed, you could cause damage to the mechanism.

- Ensure the tool is switched off.
- Squeeze magazine release (7) and slide the magazine (8) out.
- Tilt the tool and remove any unused staples/nails from the magazine channel (use pliers for ease), this should clear the jammed fastener(s).
- Do not insert damaged staples/nails back into the magazine channel.

NOTE: If staples or nails become jammed in the nosepiece frequently, have the tool serviced by a our engineers or appointed service agent.

Maintenance

Your power tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operating depends upon proper tool care and regular cleaning. If the machine should fail despite the care taken in manufacturing and testing procedures, repair should be carried out by our engineers or appointed service agent. In all correspondence and spare parts order, please always include the serial number given on this machine.

Cleaning

- Remove battery before cleaning the housing with a soft cloth.
- Keep the ventilation slots clear and regularly clean.
- Clean the magazine (8). Remove any debris that may accumulate in the magazine during operation.

Lubrication

This tool requires no lubrication. Do not lubricate the tool, as it will damage the internal parts.

Product Advice and Technical Support

What to do if you have a problem with your power tool?
Email **service@tacwise.com**.

Transport
The contained lithium-ion batteries are subject to the Dangerous Goods Legislation requirements. The user can transport the batteries by road without further requirements.

When being transported by third parties (e.g. air transport or forwarding agency), special requirements on packaging and labelling must be observed. For preparation of the item being shipped, consulting an expert for hazardous material is required. Dispatch batteries only when the housing is undamaged. Tape or mask off open contacts and pack up the battery in such a manner that it cannot move around in the packaging. Please also observe possibly more detailed national regulations.

Unwanted Tools
Recycle unwanted materials instead of disposing them as waste. All tools and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way. Alternatively, please email **service@tacwise.com** for details on how to dispose of your power tool free of charge in an environmentally friendly manner.

Battery Disposal
Follow your Local Authority procedures for the disposal of Lithium-ion battery packs.

Guarantee
All our power tools are carefully checked, tested and are subject to the stringent controls of Quality Assurance. We therefore offer the following guarantee for power tools. Your warranty claim based on your sales contract with the retailer, including your statutory rights, shall not be affected by this guarantee.

One-Month Guarantee
If you are not completely satisfied with the performance of your power tool or it is faulty or damaged on purchase then we will exchange the product or issue a full refund within 28 days of purchase. Proof of purchase must be produced with an original receipt and the tool must be returned complete as purchased to the point of purchase. This does not affect your statutory rights.

One-Year Free Servicing
If your power tool requires maintenance or servicing in the 12 months following purchase, it will be undertaken free of charge by our service engineers. Proof of purchase must be produced with an original receipt. This includes labour and spare parts for the tool. However in some cases the most economical option will likely be a replacement service exchange unit supplied by us. Accessories such as batteries, fasteners etc. are excluded.

One-Year Standard Battery Warranty
Should your battery become defective due to faulty materials or workmanship within 12 months from the date of purchase we guarantee, at our discretion, to replace the defective battery free of charge.
This warranty does not cover:
- Batteries that have received unauthorized changes or additions.
- Defects caused by using accessories or compatible tools not approved by the manufacturer.
- Batteries that have been opened/attempted to be opened by any person other than a Tacwise engineer or appointed service agent.
- Defects to the battery caused by improper use, abnormal environmental conditions or inappropriate operating conditions, non-compliance with our operating instructions or insufficient servicing or maintenance.
- Proof of purchase must be produced with an original receipt.

Two-Year Standard Warranty
Should your power tool become defective due to faulty materials or workmanship within 24 months from the date of purchase, we guarantee to replace all defective parts free of charge or at our discretion, replace the tool free of charge. This warranty does not cover:
- Tools that have received unauthorised changes or additions.
- Defects caused by using accessories, components or spare parts other than approved/genuine manufacturer's accessories or parts.
- Component parts that are subject to natural wear and tear caused by use in accordance with our operating instructions.
- Defects to the tool caused by improper use, abnormal environmental conditions or inappropriate operating conditions, non-compliance with our operating instructions or insufficient servicing or maintenance.
- Proof of purchase must be produced with an original receipt.

For details of your nearest service engineer, please email **service@tacwise.com**, or to register your warranty visit **www.tacwise.com/warranty-registration/**