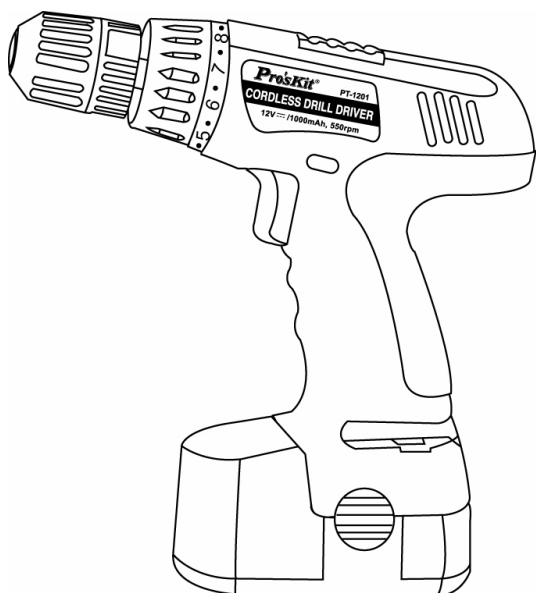


Please read this handbook carefully before using the tool

## PT-1201



## Cordless Drill Driver 12V

### User's Manual

1<sup>st</sup> Edition: 2011

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### General Safety Rules

**⚠ WARNING** Read all safety warnings and all instructions. Failure to follow all warnings and instructions 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

- Keep work area clean and well lit. Cluttered 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 children and bystanders away while operating a power tool. Distractions can cause you to lose control.

#### 2) Electrical safety

- 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.
- 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.
- Do not 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 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.
- 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 tools 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 safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in 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 jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry 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 these devices 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 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 and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from intended could result in a hazardous situation.

### 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 paperclips, 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

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.

### Special Safety Advice for Cordless Drill

Only plug the Battery Charger in 230V for PT-1201F type and 120V for PT-1201A type mains. Recharge the Battery only with the provided charger. Before starting any work on walls, floors or similar, make sure that all power lines in the work area are switched off at the main switchboard. Inspect the proposed drill holes location for any utility lines (e.g. water, gas, power) before drilling. Use a suitable device such as a metal or electricity line detecting device. If in doubt contact a qualified electrician or your utility provider. Both tools and work-pieces can heat up considerably during the drilling operation. Allow a sufficient period of cooling before handling. Wear appropriate gloves.

### Safety Advice for Rechargeable Battery and Charger

Use only the battery provided with the drill or a replacement rechargeable battery from Pro'sKit and the provided charger. Only plug the battery charger in 230V for PT-1201F type and 120V for PT-1201A type mains. Protect battery and battery charger from humidity. Do not operate the battery charger outdoors. When it is not in use and before cleaning and servicing, disconnect the battery charger from the power supply. Take special care of the battery. Avoid dropping it onto any hard surface and do not subject it to pressure or any other form of mechanical stress. Keep the battery away from extreme heat and cold. Do not open or attempt to repair the battery or the battery charger. If any parts are defective, have them repaired by a qualified technician or send them to our service department for repair. Only charge the battery at an ambient (surrounding air) temperature between 10°C and 40°C. A charged battery can be used to power the machine under ambient temperature conditions between 0°C and 50°C. When not in use, store the battery in a dry place between 10°C and 30°C.



**Important! Danger!** Never short-circuit the battery or expose it to moisture. Do not store it together with any metal parts which could short-circuit the contacts. The battery could overheat, start burning or explode.

**If any person comes into contact with acid or similar internal fluids or substances contained in the battery, wash off these substances**

**immediately with plenty of water. If these substances make contact with the eyes, rinse with plenty of water and visit a doctor immediately.**

Do not place the rechargeable battery into fire or water. It can explode. The Rechargeable Battery should not be discarded to domestic refuse, regardless of whether used or unused. You should return it to a local battery collection point in accordance with Battery Regulations or return them to us suitably marked "Used Battery".

### Technical Data

Model	PT-1201A	PT-1201F
Rated Voltage	DC 12V	DC 12V
No-load Speed	One Gear Speed: 0-550rpm	One Gear Speed: 0-550rpm
Range of Drill Bit sizes	Φ0.8 ~ 10mm	Φ0.8 ~ 10mm
Max. Drilling Capacity	Steel: Ø 6 mm	Steel: Ø 6 mm
	Concrete: Ø 8 mm	Concrete: Ø 8 mm
	Wood: Ø10 mm	Wood: Ø10 mm
Torque Setting	16 +1Position	16+1 Position
Output torque	MAX 5 N.M	MAX 5 N.M
Drive (Collet)	3/8" (10mm) Keyless Chuck	3/8" (10mm) Keyless Chuck
Battery	Ni-Cd 12V 1000mAh	Ni-Cd 12V 1000mAh
Charging Time	3-5 hours	3-5 hours
Free running time	30-35 min. (unload speed)	30-35 min. (unload speed)
Size	235*230*80mm	235*230*80mm
Weight (include battery)	1.35kg	1.35kg
Adaptor	120V AC 60Hz 15V DC 400mA	230V AC 50Hz 15V DC 400mA
Protection Class II		
Complied with EN60335-2-29		
Indoor operation only		

## Accessory

Screwdriver bits	15PCS
Bit size	6PCS drills: $\Phi$ 1.5/ 2.5/ 3/ 4/ 5/ 6 mm 1PC extension: 60mm (L) 6PCS: PH1 ; PH2; PZ1 ; PZ2 ;SL 5 ;SL 6 mm (L : 25mm) 1PC : SL6-PH2 (L : 50mm) 1PC : SL5-PH1 (L: 50mm)

## Environmental Protection



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.

## Product Features



## Operation Instructions

### Insertion and Removal of Rechargeable Battery

Ensuring the correct orientation between the battery and the battery compartment, insert the rechargeable battery into the machine. Do not apply force when inserting the battery. Insertion can be achieved easily and without resistance. The battery must be inserted completely until the battery retention clips on the sides of the battery compartment automatically lock it into place. To remove the battery press the battery retention clips and pulls the battery out of its compartment.

## Charging the Battery

The rechargeable battery must be charged before the first use. Only recharge the battery once it is has been fully discharged, i.e. the performance clearly decreases. Otherwise the battery may not achieve its full capacity at the subsequent charge.

**Important!** Only use the provided battery charger for charging the battery. First place the rechargeable battery into the charging slot in the charger and then connect the charger to the mains. Charging starts automatically. Remove the battery from the charge after about 5 hours. Always disconnect the charger from the mains before you remove the battery from the charger.

## Inserting Tool Bits

**Important!** Always remove the battery before you change the drill or screw bit to avoid unintentional starting of the machine.

The cordless drill has a keyless chuck so you do not need a key to lock the tool bit in place. Make sure that the drill or screw bit is not skew when it is inserted and the chuck tightened.

Before inserting drill/screw bits open the jaws of the chuck by holding the lower ring of the chuck and turn the locking ring anticlockwise. Open the chuck until you can insert the tool. Insert the drill/screw bit all the way in and then holding the lower ring, turn the locking ring in a clockwise direction to firmly tighten it.

To remove the tool hold the lower ring of the chuck and turn the locking ring anticlockwise.

Open the chuck until you can remove the tool

## Operating Trigger

Use the operating trigger to start the machine and keep holding it for continuous operation.

The rotation speed can be varied by depressing the operating trigger. The more the trigger is depressed, the faster rotation speed.

To switch the machine off, release the operating trigger

## Forward and reverse switch

**Important!** The machine has to come to a complete stop before the reverse rotation lever can be used; otherwise the machine may be damaged.

Use the forward and reverse switch to switch between clockwise (normal) and anticlockwise rotation or vice-versa. With the forward and reverse switch in the central position the operating trigger is locked and cannot be depressed. Put the forward and reverse switch in the central position before you put the machine down, to avoid unintentional starting.

**Torque adjustment**

You can control the maximum torque applied to the drill bit with the torque control knob.



**Attention!** The torque control knob should only be operated when the machine is not running; otherwise the machine may be damaged.

To set the drill to the lowest available torque setting, twist the torque control knob until the small arrow on the drill-housing points to the "1" stamped on the torque control knob. In this position the torque clutch will slip with light drilling resistance. The higher the number the arrow points to on the torque control knob, the larger the maximum torque that can be applied before the torque clutch will slip.

To set the machine to maximum available torque twist the torque control knob until the arrow points to the drill symbol. In this position there is no slip in the torque clutch.

Select a lower torque for insertion/removal of screws to avoid damage to the work-piece (in particular wooden work-pieces) or to the screw. For drilling select a higher torque setting. Do a test first on an item which is not your final work-piece and adjust the desired torque accordingly before you start the actual work.

**Operation for working**

Only use tool bits which can be securely fastened in the chuck and for which the drill has been designed.

**1. Drilling**

Check whether the drill bit is correctly inserted and tightly fastened before you start the machine. Use properly sharpened drill bits. Use screwdriver bits that are not overly worn. At the start of each drilling operation select a lower speed. For large holes drill with a smaller drill bit first and then enlarge the hole using a larger drill bit.

**2. Drilling in Wood**

For drilling in wood use a wood drill-bit. Protect or fasten the work-piece in a suitable holder. Mark the positions of the holes to be drilled with a sharp tool or a nail. Do not apply excessive pressure against the work-piece with the machine.

**3. Drilling in Metal**

For drilling in metal use a steel drill-bit. Always provide sufficient cooling with suitable non-inflammable coolants. Protect or fasten the work-piece with a suitable holder. The work-piece should lie flat on the work bench. Mark the positions of the holes to be drilled with a centre-punch. Do not apply excessive pressure against the work-piece with the machine. Allow the drill to operate at its normal operating speed.



**Important!** At the start of drilling select a lower speed to avoid the bit slipping away from the desired holes location. If the drill-hole is deep, the drill-bit may become jammed in the hole. In this event a high torque could damage the drill bit or the drill. If the bit becomes jammed, hold the machine firmly and immediately release the On/Off trigger. Switch to anticlockwise rotation, and use a low rotation speed to remove the jammed drill bit more easily.

**4. Drilling in Plastic**

For drilling in plastic use a steel drill and follow the same instructions as for drilling in wood.

**5. Drilling in Stone, Brick, Masonry or similar**

For drilling in walls, stone, masonry etc. use a masonry-bit. Do not put too much pressure on the machine. Follow the same instructions as for drilling in metal.

**6. Using the Drill as a Screw-driver**

Before using the machine check whether the screw-bit is inserted correctly. Avoid over-tightening screws, otherwise the screw head may be damaged or stripping of the threads may occur.

**7. Screw Insertion**

Set the direction of rotation of the drill to the clockwise direction. Insert the screw-bit into the slot in the head of the screw. Hold the screw bit perpendicular to the head of the screw, otherwise the screw or the screw head may be damaged. Press the screw bit against the screw with a constant pressure while driving in the screw.

When the screw is completely screwed in, hold the machine firmly and release the On/Off trigger, otherwise the screw or the screw head may be damaged. If the On/Off trigger is not released immediately a high torque could also damage the drill bit or the drill.

**8. Screw Removal**

Set the direction of rotation of the drill to the anticlockwise direction. Insert the screw-bit into the slot in the head of the screw. Hold the screw-bit perpendicular to the head of the screw, otherwise the screw or the screw head may be damaged. Press the screw bit against the screw with a constant pressure while removing the screw.

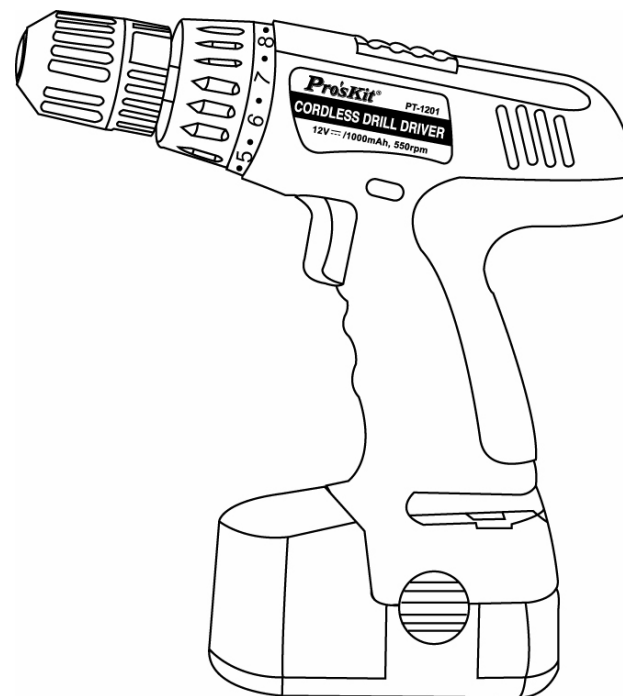
**Maintenance and Clean**

 **Attention! Always remove the battery before carrying out any work on the machine.**

To clean, always use a dry or moist, but not wet, towel. Many cleaning agents contain chemical substances which may cause damage to the plastic parts of the machine. Therefore do not use any strong or inflammable cleaners such as petrol, paint thinner, turpentine or similar cleaning agents. Always keep air ventilation holes free of dust deposits to prevent overheating.

**Service**

For more information on PT-1201A / PT-1201F and other products, please visit [www.prokits.com.tw](http://www.prokits.com.tw).



**PT-1201 12V 充電起子操作手冊**



請在使用工具之前務必細心閱讀操作手冊

## 一般的安全規則



警告：請詳細閱讀以下所有指示說明，如不遵循下面所有指示，也許會有觸電及火災等嚴重傷害。

### 1) 工作區域

- a) 保持工作環境整潔，混亂的環境將帶來事故。
- b) 避免在可能發生爆炸的環境下使用電動工具，諸如在易燃的液體周圍，氣體或者粉塵環境中，電動工具可能製造點燃火花。
- c) 使用電動工具時請使孩子和旁觀者遠離，因為分心可能使你失去對電動工具的控制

### 2) 電器安全

- a) 電動工具插頭必須匹配電源插座。不要採用任何方式修改插頭。不要使用沒有任何接地的電源插座。非修改的插頭和電源插座將減少電擊的風險。
- b) 防止身體接觸接地物表面（如水管、散熱器、冰箱等），如果你的身體接地，可能有損壞的風險。
- c) 避免讓電動螺絲批暴露在雨中或是潮濕的環境中。雨水滲入電動工具中會增加觸電的風險。
- d) 不要濫用電線：不可直接拉電源線把插頭由插座上拔下，不可提拉電源線移動充電座，不要讓電源接觸熱源、油和尖銳物或運轉的部件。受損或纏繞的電線會增加觸電危險。
- e) 在戶外操作電動工具時，延長線較適合戶外使用，可降低電擊的危險。
- f) 不要在潮濕的地方使用，若需於潮濕的工作地點使用電動工具，請使用帶有電流式漏電斷路器（RCD）裝置的設備，降低電擊的危險。

### 3) 個人安全

- a) 工作期間，時刻保持清醒意識及並瞭解一般使用常識，不要在過度勞累時或飲酒及用藥後操作，否則會導致嚴重的人身傷害。
- b) 操作時，需使用安全設備，如眼罩、防塵口罩，防滑安全鞋，安全帽，聽力保護裝置，在適當的條件下使用能減少人身傷害。
- c) 避免突然起動。確保插電時啟動開關處於關閉狀態，否則可能導致事故

- d) 啟動前務必移除調整電動工具使用的鑰匙或扳手，因其旋轉時可能導致人身傷害。
- e) 不要將手伸得過長，使用時保持適當距離與適當的平衡，如此較能控制意外的情況發生。
- f) 穿著適宜，不要穿寬鬆衣服或佩戴首飾。讓您的頭髮，衣服和手套遠離運轉部件。寬鬆衣服，會有可能會捲入運動部件。
- g) 若有提供除塵和集塵的設備，需確保他們連接完好且使用得當。使用這些裝置可減少粉塵。

### 4) 電動工具的使用及維護

- a) 不要勉強使用電動工具。正確使用電動工具。會使你工作更有效率，更安全
- b) 電動工具的啟動開關若無法開啓或關閉，請勿使用，必須予以修理，否則會有危險
- c) 存放電動工具或更換配件時請移除電源插頭，防止電動工具突然啟動，造成傷害
- d) 電動工具必須貯存在兒童不能接觸的地方。不要讓對電動工具不熟悉或操作說明不瞭解的人員使用。電動工具在未經訓練的使用者手中是危險的
- e) 維護電動工具：檢查失調或運轉部件，零件破損情況及其它任何可能影響電動工具操作的情形。如有損壞，電動工具必須修理後才能使用。很多事故都是因為維護不良造成的。
- f) 適當的維護並保持鑽頭（或批頭）鋒利和清潔，會使其不易卡住而更易於使用
- g) 使用電動工具，更換配件及批頭等，必須嚴格根據操作說明及操作方法，考慮工作環境及需完成的工作。不當的使用會產生危險狀況。

### 5) 電池的使用及維護

- a) 充電時請使用製造商原裝的充電器，不適合的充電器可能會造成火災。
- b) 請使用指定的電池包，任何其他電池包的使用可能造成機器損壞和火災的危險。
- c) 當電池組不使用時，避免與其他金屬物體，如迴紋針，硬幣，鑰匙，釘子，螺絲或其他小金屬物體連接電池端子，引起短路，這樣可能導致灼傷或引起火災。

- d) 在惡劣環境下，電池裏的液體可能會滲出，請勿接觸。如果發生意外接觸，用清水沖洗。如果眼睛接觸液體，請立即就醫。

## 6) 服務

本電動工具的維修或更換零件需專業維修人員服務。這將確保電動工具的安全性。

### 關於充電起子的特別安全公告

當電鑽鑽進牆體內之前，請用金屬探測器檢查一下，避免在鑽取時碰到電源線、天然氣管道及水管。如有疑問請聯繫專業電工或您的公用事業供應商。當電動工具和部件過熱時，需有充足的時間冷卻後再操作，並佩戴適當的手套。

### 關於可充電電池的安全公告

只能使用本公司提供的充電電池。PT-1201F 型插入 230 伏充電器，PT-1201A 型插入 120 伏充電器。保持電池和充電器乾燥。不要將充電器在戶外充電。當不使用和維修清潔充電器前，請拔掉電源插頭。請特別注意保護電池，避免跌落到任何堅硬的地面上，不使其受到壓力或任何其他形式的機械應力。電池須遠離極熱和極冷的環境。不要打開或試圖修復電池或充電器。如果任何部件有缺陷，需由合格的維修技術人員維修或送我們的服務部維修。充電只能在 10°C 到 40°C 之間的环境溫度下，已充電的電池可以在 0°C 到 50°C 環境溫度條件工作。如不使用時，請將電池儲存在乾燥的環境，溫度在 10°C 和 30°C 之間的地方。



**重要! 危險! 切勿短路電池或將其置於濕氣中。勿將電池與可能造成短路的金屬存儲在一起。電池可能發生過熱現象，開始燃燒甚至爆炸。**

如果任何人接觸到電池內部液體或在電池中類似物質，請立即用水沖洗。如果這些物質接觸眼睛，請立即用水沖洗，並立即就醫。

不要將充電電池放入水中或火中。它可能發生爆炸。可充電電池不能當生活垃圾丟棄，不論使用或不使用。您應該按照電池回收條例送回到當地電池回收點或交回給我們並標明“使用過之電池”。



### 環境保護

廢棄的帶電產品切勿直接扔進垃圾箱，而是回收到政府設立的相應回收站內。

## 產品規格

型號	PT-1201A	PT-1201F
額定電壓	DC 12V	DC 12V
無負載轉速	One Gear Speed: 0-550rpm	One Gear Speed: 0-550rpm
鑽頭範圍	Φ0.8 ~ 10mm	Φ0.8 ~ 10mm
最大可鑽範圍	鐵: Ø 6 mm	鐵: Ø 6 mm
	混凝土: Ø 8 mm	混凝土: Ø 8 mm
	木頭: Ø10 mm	木頭: Ø10 mm
扭力設定	16 +1Position	16 +1Position
輸出扭力	MAX 5 N.M	MAX 5 N.M
工作夾頭	3/8" (10mm)卡盤	3/8" (10mm)卡盤
電池	鎳鎘 12V 1000mAh	鎳鎘 12V 1000mAh
充電時間	3-5 小時	3-5 小時
可用時間	30-35 分鐘. (無負載)	30-35 分鐘. (無負載)
尺寸	235*230*80mm	235*230*80mm
重量 (包括電池)	1.35kg	1.35kg
適配器	輸入: 120V AC 60Hz 輸出: 15V DC 400mA	輸入: 230V AC 50Hz 輸出: 15V DC 400mA
防護等級: II 級		
符合標準: EN60335-2-29		
只使用室內操作		

## 配件

批頭	15PCS
批頭規格	6PCS drills: Φ1.5/ 2.5/ 3/ 4/ 5/ 6 mm 1PC extension: 60mm (L) 6PCS: PH1 ; PH2; PZ1 ; PZ2 ;SL 5 ;SL 6mm (L : 25mm) 1PC : SL6-PH2 (L : 50mm) 1PC : SL5-PH1 (L: 50mm)



## 產品功能



## 操作方法

### 充電

本產品為鎳鉻電池,首次使用請將可充電電池使用完。即電批不能空轉時,再行充電3~5小時。否則電池可能在隨後無法實現其滿負荷充電。

首先取下電池包,插入充電座,再連接充電電源,自動開始充電,大約5小時請移除插頭。再次充電時請待電池電力用盡。

**⚠ 重要!** 僅使用本公司提供的電池充電器。  
過長時間充電會對電池造成傷害。

### 插入批頭

電批有夾頭,不需要輔助工具。請確保批頭質量完好,旋開夾頭後,平直插入批頭,再旋緊夾頭緊固。若要取出批頭,旋開夾頭,然後拉出批頭。

### 啟動開關

壓下啟動開關電批即可開始工作,並保持一直壓下狀態電批可連續工作。若鬆開,電批即停止運轉。

### 正反轉切換

**重要!** 在電批完全停止才可以使用正反轉切換開關,否則可能會損壞機器。使用

正反轉切換開關是使電批朝順時針方向和逆時針旋轉。當正反快關置於中間時,電批被鎖定,不能旋轉,可避免意外啟動。

### 扭力調節

您可以通過扭力杯調節扭力。

**⚠ 特別注意!** 扭矩控制旋鈕操作時,只應在機器不運行時操作,否則可能會損壞機器。設置電鑽最低可用扭矩,轉動扭力杯,直到小箭頭指到“1”。在這個位置將滑動離合器的扭矩輕鑽阻力。箭頭指向的數字越大,扭力越大,以適應較大扭力場合的應用。

## 操作使用

請使用合格的批頭產品,並確認規格符合本產品的裝配尺寸。

### 1. 鑽孔

檢查是否正確插入鑽頭及是否牢靠,然後再啟動機器。請正確使用鑽頭。在每個鑽孔作業開始前情選擇一個較低的速度。對於大孔,可以用一個較小的鑽頭,然後再使用較大的鑽頭。

### 2. 在木頭上鑽孔

在木頭上鑽孔時請使用適合的鑽頭。將工件使用適當的夾具固定牢靠。用鋒利的工具或釘子對要打孔的位置做好標記。在操作電鑽鑽孔時,請勿過分使用較大的壓力。

### 3. 在金屬上鑽孔

在金屬上鑽孔時請使用適合的鑽頭。鑽孔時請一直保持使用冷卻液,並將工件使用適當的夾具固定牢靠。工件須緊貼平放在工作臺上。使用中心沖對要打孔的位置做好標記。在操作電鑽鑽孔時,請勿過分使用較大的壓力,並保持合適的速度。

**⚠ 重要!** 在鑽孔開始時選擇一個較低的速度,以免偏離鑽孔位置。如果孔比較深,鑽頭可能會卡在孔裏。在這種情況下使用高扭矩可能會損壞鑽頭或電鑽。如果鑽頭被卡住,請牢牢握住電鑽,並立即釋放啟動開關,並切換正反轉按鈕,使用低轉速以取出卡住的鑽頭。

### 4. 在塑膠上鑽孔

參見在木頭上鑽孔的方法。

**5. 在石頭磚塊或類似的物體上鑽孔**

參見在金屬上鑽孔的方法

**6. 將電鑽做電批使用**

使用電批前檢查是否螺絲位是正確插入。避免過度緊固螺絲，否則可能會損壞螺絲頭

**7. 螺絲插入**

設置順時針旋轉方向，將螺釘放入電批批頭，請垂直於螺絲頭，否則螺絲或螺絲頭可能會被損壞。按住螺絲批下壓。當螺絲完全擰入，釋放啟動按鈕，若不立即釋放，否則螺絲或螺絲頭可能會被損壞。如果啟動按鈕不立即釋放在使用高扭矩也可能損壞鑽頭或電鑽。

**8. 螺絲旋出**

設置逆時針旋轉方向，將螺釘放入電批批頭，請垂直於螺絲頭，否則螺絲或螺絲頭可能會被損壞。按住螺絲批下壓，退出螺絲。

**維護和清潔**

**特別注意!** 開始之前，務必在非工作狀態及充電狀態下進行，務必取下機器上的任何工作電池。

清潔時請使用乾燥或沾濕擰乾之毛巾。許多清潔劑含有化學物質，可能會損壞機器的塑膠部件。所以，不要使用清潔力過強或易燃清洗劑，如汽油的強弱，油漆稀釋劑，松節油或類似的清潔劑。務必保持通風孔無過熱，防止灰塵沉積。

**服務**

更多關於 PT-1201A / PT-1201F 的資訊及其它產品，請訪問  
[www.prokits.com.tw](http://www.prokits.com.tw)

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