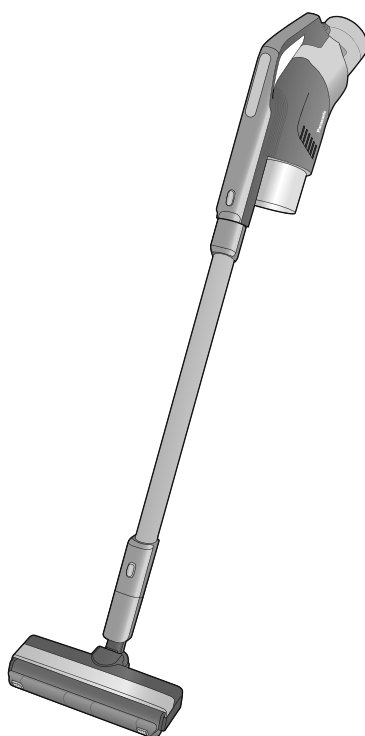


**Panasonic®**

型號 MC-BL480  
Model No.



**使用說明書**

**充電式吸塵機**  
( 家用型 )

**Operating Instructions**

**Rechargeable Vacuum Cleaner**  
(Domestic use)

中文 . . . . . HK  
ENGLISH . . . EN

# Panasonic®

## 使用說明書 充電式吸塵機（家用型）

型號 MC-BL480



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使用前

使用・維護保養

困惑時

### 另附產品保修記錄卡

衷心感謝您購買 Panasonic 產品。  
本說明書的插圖形狀、顏色可能與實物有所不同，請您以購買的實物為準。  
充電及使用本產品前請詳細閱讀本使用說明書，以便正確操作及確保安全。  
特別是在使用前請務必仔細閱讀【安全注意事項】（第 HK2 ~ HK3 頁）。  
閱讀後，請妥善保管本說明書，以便隨時查閱。 **保留備用**

# 安全注意事項

請務必遵守

以下內容將說明必須遵守的事項，以防止對人體或財物造成損害。

■ 本書以下列圖示區分與說明因使用方式不當而可能造成之危害與損害程度。



## 危險

表示如不避免，則將會導致死亡或嚴重傷害的某種緊急危害情況。



## 警告

表示如不避免，則可能導致死亡或嚴重傷害的某種潛在危害情況。



## 注意

表示如不避免，則可能導致輕微或中度傷害的某種潛在危害情況。

■ 本書以下圖示區分與說明希望顧客遵守的內容種類。



表示嚴禁執行的內容。



表示務必執行的內容。



## 危險

為了防止受傷等...



請勿以不當方式使用（以免漏液、發熱、著火、破裂、觸電等）

- 本產品內置有專用充電電池，請勿用於其他產品  
→ 請使用專用的電源供應器充電  
→ 本產品內置的充電電池僅能由專業人員更換
- 請勿投入火中或加熱
- 請勿用釘子扎、衝擊，請勿擅自拆卸、修理、改造等
- 請勿用金屬等接觸接插端子而使其短路
- 請勿在火源附近或炎熱天氣下等高溫環境充電、使用、放置



## 警告

為了防止火災、燙傷、觸電等意外...



請勿吸入火種或可燃物  
（以免引發爆炸或火災）

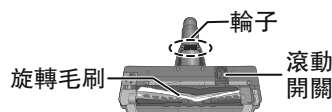
香煙、影印機碳粉、  
汽油、稀釋劑等



電源插頭或電源線損壞時，  
請勿使用  
（以免因發熱、起火造成火災）



請勿碰觸旋轉毛刷或滾動開關  
（以免夾住手指導致受傷，或因保護裝置  
動作而溫度升高導致燙傷）



請勿以不當方式使用

- 請勿水洗  
（可水洗的附屬配件、部件除外）
- 請勿以潮濕的手插拔電源插頭  
（以免觸電）
- 請勿使用於浴室等潮濕環境
- 請勿損傷電源線或電源插頭；請勿強行加工、  
彎曲、扭曲、拉伸或置於高溫處、將重物放在  
上面或捆成一束  
（以免引發觸電、短路、火災）  
→ 損傷需修理時，請與原購買經銷店洽詢。
- 本產品不能由體弱、感覺能力減弱、智力減弱  
或缺乏經驗、知識的人（包括兒童）使用（除  
非在對其安全負責的人的監督或指導下使用）



## 警告

為了預防火災、燙傷、觸電等意外…



電池漏液不小心進入眼睛時，請立刻用清水沖洗（切勿用手揉擦）

（以免失明）

→請立刻前往醫院就醫



應照顧好兒童，確保他們不玩耍本產品

（以免引發火災，觸電或受傷等）



請以正確方式使用電源供應器

- 本電源供應器僅適用於室內或謹防雨淋（以免觸電、著火等）
- 本電源供應器僅限於對本產品進行充電（以免觸電、著火、發熱、受傷等）
- 為電池充電時，僅可使用 AVV61V-R3 的可拆式電源供應器
- 插頭務必插入插座至最深處  
（若插入鬆動的插座內，或未完全插入時，將引發觸電事故，或因發熱而引發火災）
- 必須在插座、配線器具等額定值範圍內使用，請務必使用交流電 220 V  
（以免與其它機器共用插座而超過額定值，因發熱而導致火災）
- 維護保養時請務必拔掉插頭（以免觸電）
- 長期不使用時，請拔掉電源插頭  
（以免因絕緣劣化而導致觸電、漏電、火災等）
- 請用乾布定期清除電源插頭、各端子（第 HK4 ~ HK5 頁）等上的灰塵  
（以免插頭、端子累積過多灰塵後，因濕氣等因素造成絕緣不良，進而引發火災）



發生異常、故障時，請立刻停止使用，關閉電源開關，

拔掉電源供應器電源插頭

（以免引發冒煙、起火或觸電）

異常及故障例

- 即使打開電源，也不會運轉
- 本體發生變形，異常發熱
- 運轉中，發出異常聲音
- 發出燒焦的氣味
- 拉動電源插頭或電源線時，充電提示燈發生時亮時滅的情況

→請速與原購買經銷店洽詢。

使用前



## 注意

為了防止發生起火與人員受傷等事故…



請勿以不當方式使用

- 地板吸嘴在左右方向不可過度拉扯  
（以免刮傷地板表面）
- 地板吸嘴底側各部品磨損時，請勿使用  
（以免刮傷地板表面）  
→使用前請進行檢查，若有磨損請與原購買經銷店洽詢。
- 各端子（第 HK4 ~ HK5 頁）等的接點處請勿放入金屬類（以免觸電）
- 拔掉電源插頭時，請勿拉扯電源線  
（以免觸電、短路而引發起火）



請勿接近火源、熱源，並避免陽光直射

（以免引發火災或變形）



電池漏液不小心沾到身體或衣服時，請立即用清水沖洗

（以免皮膚發炎或受傷）

- 請立刻前往醫院就醫



本產品（電池）請收納、保管於乾淨、乾燥的地方

（以免電池受潮而導致發熱、起火或觸電）

# 使用注意事項

## 為了延長使用壽命

本產品為家用型吸塵機，請勿用於工業用途或吸塵以外的用途

### ■ 請勿吸入以下物體（以免造成故障或產生異味）

- 大量的粉狀物（建築垃圾、滅火器的粉末等）
- 沾有寵物等排泄物的物品
- 玻璃、別針、縫衣針、牙籤
- 水或其它液體
- 地毯的流蘇（穗子）
- 容易堵塞吸入口的物體（長筒襪等）
- 除濕劑
- 潮濕物品
- 較長的繩索

### ■ 有大量沙子、寵物砂、小石等物的場所請勿使用（以免造成故障）

### ■ 請勿直接用本體或延長管的前端口吸塵（以免磨損前端口）

→請使用伸縮兩用吸嘴等

### ■ 請勿堵塞排氣口

（以免過熱而導致變形）

### ■ 吸入口被堵時，請勿長時間運轉

（以免過熱而導致變形）

### ■ 請勿隨意撥弄充電端子

（以免接觸不良）

## 為了防止摩打過熱（保護裝置）

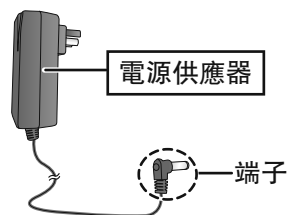
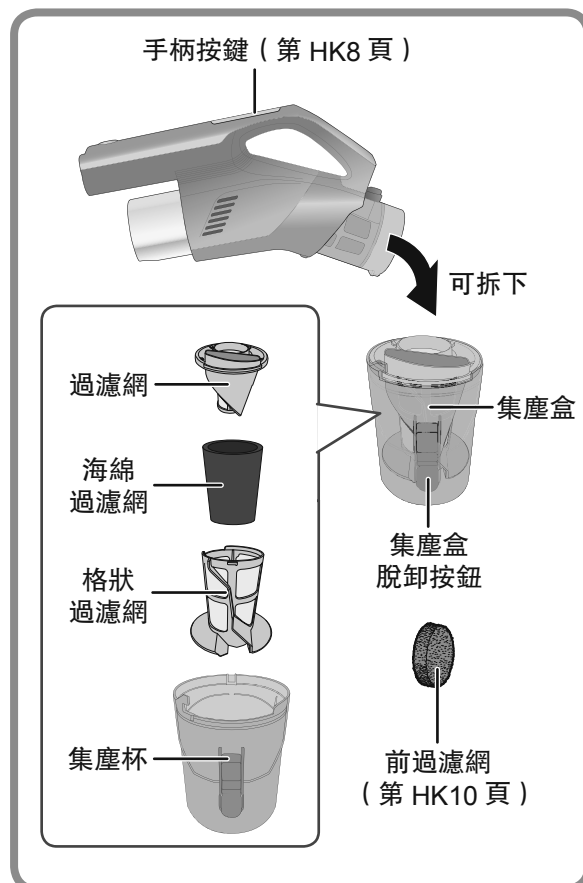
下列狀態下仍持續運轉時，保護裝置將會啟動，本體或吸嘴將會自動停止運轉，防止摩打過熱、損壞。（第 HK14 頁）

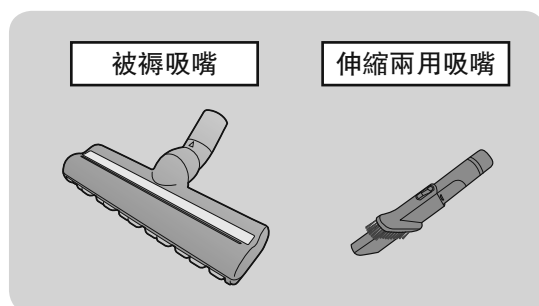
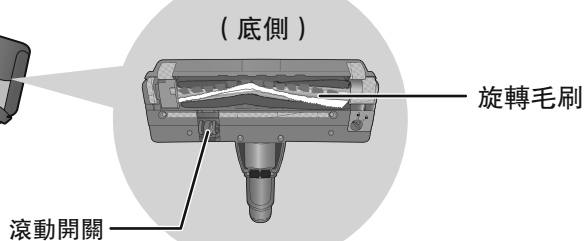
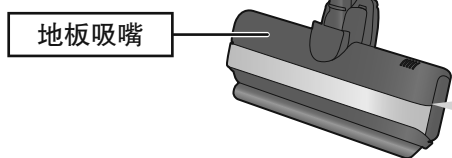
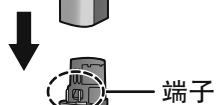
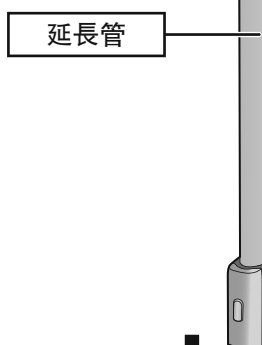
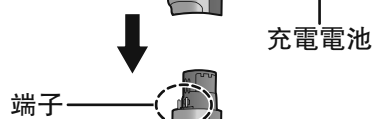
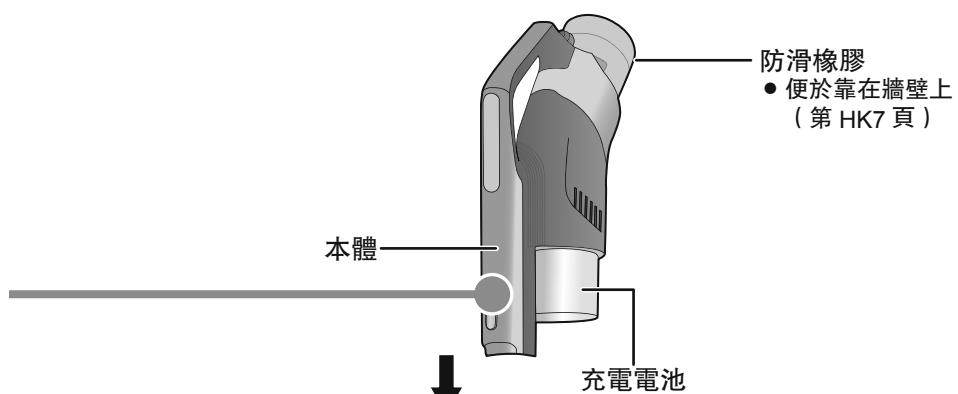
- 集塵盒內積滿垃圾時
- 吸嘴、吸入口被堵塞時
- 旋轉毛刷旋轉時置於同一地方
- 旋轉毛刷纏繞異物

# 部件名稱

## 請確認附屬配件

表示附屬配件





# 充電



您購買本產品時，電池並未充滿，因此使用前請務必先充電（充滿電約需 3.5 小時）

## 為了延長電池使用壽命

- 超過 1 個月不使用時，請充滿電，拔掉電源供應器插頭後保存，且半年至少充電 1 次。
- 為避免影響電池壽命，使用時因電量耗盡而自動停止時，請勿嘗試再次啟動，也請勿放置不管，以免電池過放電。  
→ 每次使用後請務必充電
- 請在 5 °C ~ 35 °C 的室溫下充電。（為能正確充電，避免使用時間變短或充電時間變長，請勿在溫度過低處或陽光直射等高溫處充電）

## 備註

- 產品運轉狀態下若插入電源供應器進行充電時，會自動停止運轉，轉換成充電模式。
- 充電時本體、電源供應器的溫度會升高，此為正常現象，並非異常。
- 充電時間、使用時間會因電池溫度、使用狀態等而發生變化。
- 充電途中雖可取下產品使用，但使用時間會比充滿電時要短一些。

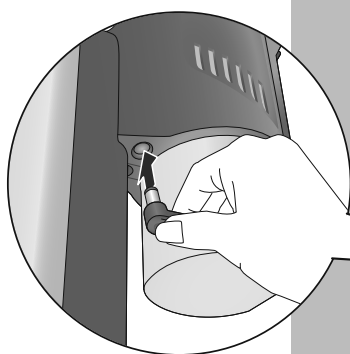
## 請求

- 購買後初次使用或時隔半年以上再用時，電池可能因過放電而導致電池電量減少。  
→ 使用前請務必充電
- 電源供應器插入電源後，即使不充電也會消耗 0.5 W 的電力。  
→ 長期不使用時，為了省電請拔掉電源插頭
- 為避免充電對電視機、電話等產生干擾（如產生雜音等），充電時請距離電視機、電話等 1 m 以上。
- 充電提示燈（藍色）閃爍時，請及時充電。
- 充電提示燈（藍色、紅色）同時快速閃爍，無法運轉時，請按照以下步驟充電（充滿為止）
  - ① 長按“OFF”（關）（10 秒以上），確認充電提示燈是否熄滅
  - ② 再按一下“OFF”，確認充電提示燈是否不再閃爍了（若仍閃爍，請回到 ① 重新操作）
  - ③ 充電  
（若進行上述步驟後仍無法運轉時，請按下“OFF”，拔下電源供應器，並委託原購買經銷店進行檢修）

# 準備

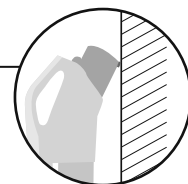
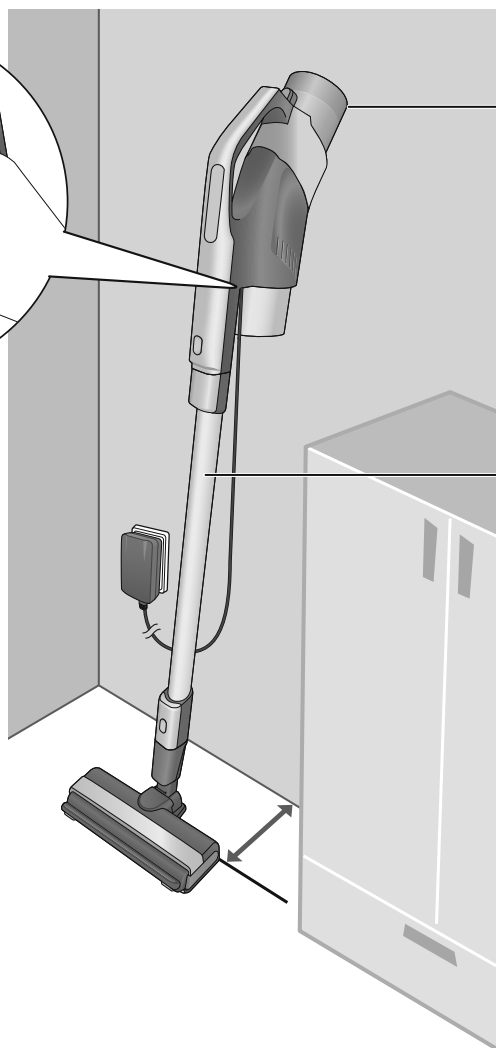
如圖電源供應器端子  
插入本體接點部到底

- 可選擇房間角落或傢俱間隙等不易翻倒的地方豎立收納。

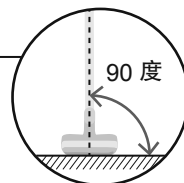


## 請求

- 拔端子時，請勿拉扯電源線（以免斷線）  
→ 請拿著端子 L 處（如圖處）拔出



- 防滑橡膠靠在牆上



- 請勿左右傾斜

使用前

## 請求

- 豎立收納時其附近應無易損壞的物品，並且兒童、寵物等無法接近、觸碰。
- 地面、牆壁的材質、狀態等不同，可能存在比較容易滑到而無法豎立的情況。  
此時請勿強行豎立，而應橫放與地面上。

HK7

# 吸塵

## 1 開始



### ■ 變換吸力大小時

**AUTO (自動)：**根據偵測到的灰塵量自動調節吸力

每按一次  
相互轉換

**HIGH (高)：**高功率

## 2 結束



### ■ 充電提示燈

**亮燈 (藍色)** 充電中

根據周圍環境溫度、使用時間等條件不同，電池的溫度會發生變化。電池溫度很高時將自動待機直到溫度適宜充電後再重新充電，因此充電時間將會變長。  
(最長約 6.5 小時)

**熄滅** 充電結束

充電結束時將熄滅

● 快速閃爍 (間隔約 0.3 秒) 時表示發生異常。詳細請參考“疑難排解”(第 HK14 頁)

### ■ 微塵感應燈

直觀顯示肉眼不易看到的垃圾 (角質、皮屑、蟎蟲等)

熄滅 亮燈 閃爍 快速閃爍  
← 乾淨 → 垃圾很多

### ■ 控制地板吸嘴旋轉毛刷轉動 (每按一次即進行毛刷“開”與“關”的轉換)



毛刷開時：預設模式，用於擦拭地板、瓷磚等  
毛刷關時：用於地毯等

### 吸塵妙法

輕輕移動地板吸嘴，切勿用力下壓。  
2 ~ 3 秒鐘來回移動一次吸嘴最為理想。  
地板吸嘴移動一次的理想長度標準約為使用者身高的一半。

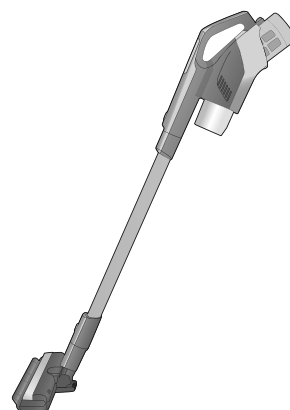
### 備註

- 為安全起見，地板吸嘴從地面提起時，旋轉毛刷將會停止轉動。且一段時間後本體吸力會自動下降，減少電力消耗，重新放下後又恢復。

### 請求

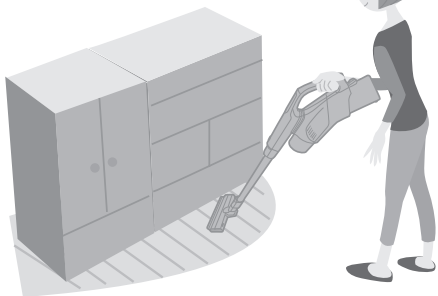
- 更換吸嘴時，請先關閉本產品。
- 為了防止劃傷，請勿用於清掃鋼琴等具有光澤的地方。

HK8

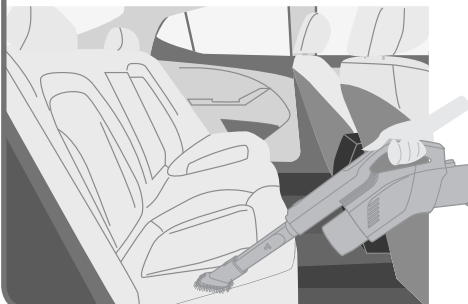


## 不同的場所，選擇不同的吸嘴

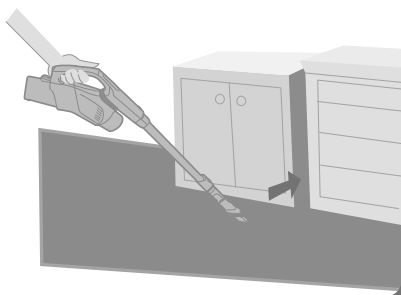
地板、地毯等  
地板吸嘴



汽車內、桌子、櫥架、沙發等  
伸縮兩用吸嘴



家具間的縫隙等  
伸縮兩用吸嘴

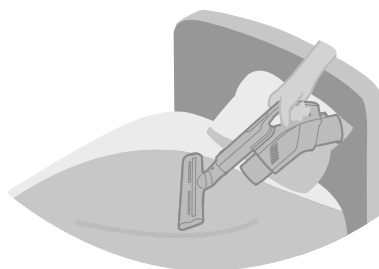


窗臺、趟門等的溝槽  
伸縮兩用吸嘴



棉被、被褥等  
被褥吸嘴

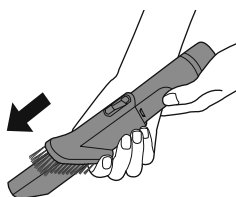
(清潔時，在棉被、被褥等的裡外，  
沿前後方向輕輕滑動吸嘴。)



### ■ 伸縮兩用吸嘴怎麼用？

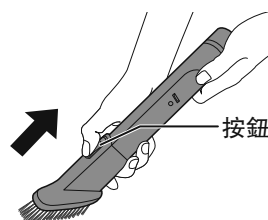
#### 拉出方法

- 沿箭頭拉至發出“嗒”一聲



#### 收回方法

- 按住按鈕同時收回



使用・維護保養

HK9

# 灰塵處理（維護保養）

■ 清理垃圾或維護保養時，請關閉本產品。



集塵盒積滿或吸力減弱時，請及時清理垃圾，並進行維護保養。

## 備註

- 微塵感應燈與充電提示燈同時閃爍（此時吸力減弱）時，請及時清理垃圾，並進行維護保養。
- 由於垃圾可能不會均勻地積存在集塵盒中，請直接確認垃圾積存情況。
- 為了防止吸力下降，沙子等容易堵塞的垃圾，即使數量很少也請儘早清除，並對集塵盒進行維護保養。
- 對新地毯等吸塵時，由於吸入地毯脫落的絨毛，集塵盒會更快積滿（隨著吸塵次數的增加，脫落的絨毛會慢慢減少）

## 請求

- 請勿使用洗滌劑、漂白劑、稀釋劑、酒精等物。（以免造成裂痕、變色）
- 置於通風良好的地方大約 24 小時，使其完全乾燥。（以免產生異味或造成堵塞）
- 請勿使用吹風機等熱風進行乾燥。（以免造成故障）

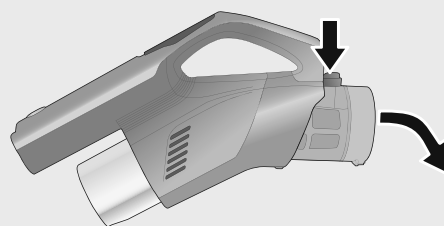
## 建議

- 建議每次吸塵之後就馬上清除垃圾，並進行**深層的維護保養**。如此既可防止垃圾產生異味，又可防止集塵盒內各部附著細微易堵的垃圾（如塵土、棉被中的棉塵等）而導致吸力減弱。

## 1 取下集塵盒，清理垃圾

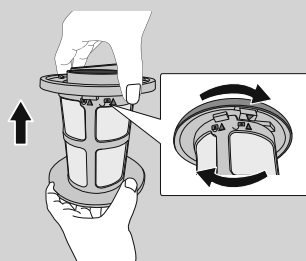
### 1 按下集塵盒脫卸按鈕，取下集塵盒

- 取出時，請保持本體水平狀態，以免集塵盒中的垃圾散落出來

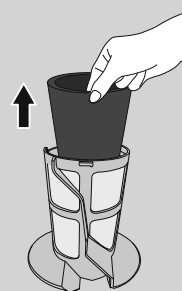


## 2 維護保養集塵盒

### 1 如圖轉動使 ▼ 對準 ▲，打開並取出過濾網

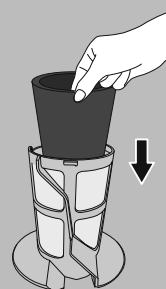


### 2 取出海綿過濾網



## 3 裝回原樣

### 1 裝回海綿過濾網

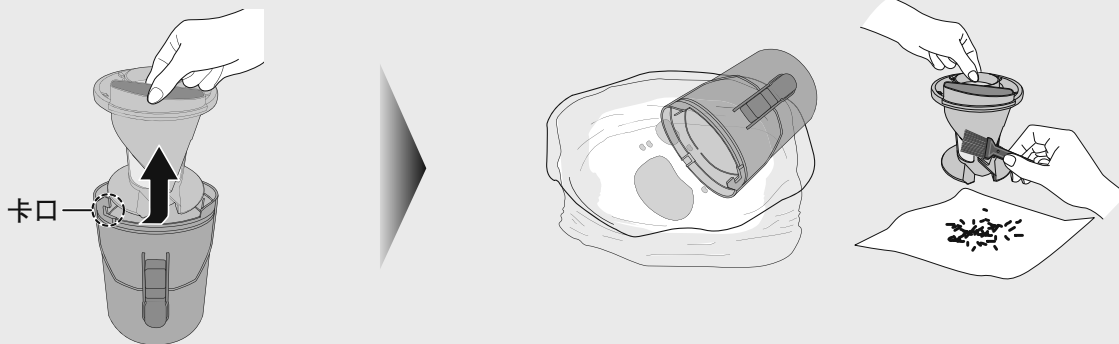


感覺較髒時

吸力減弱時或每月 1 次左右

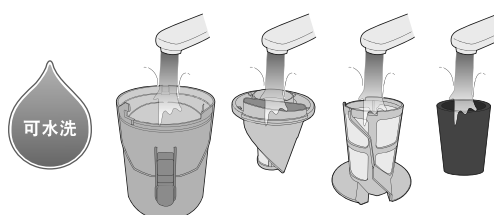
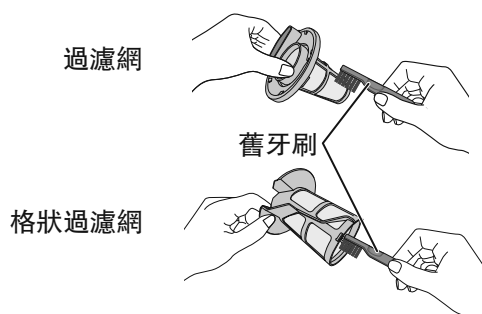
## 集塵盒

2 稍向上拉出後再轉出卡口，然後向上打開集塵盒，並清除掉垃圾



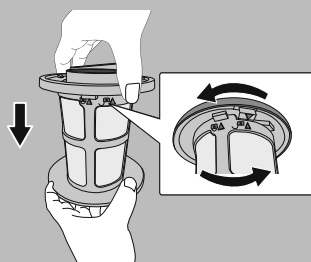
## 深層的維護保養

長時間使用後感覺較髒時可進行水洗

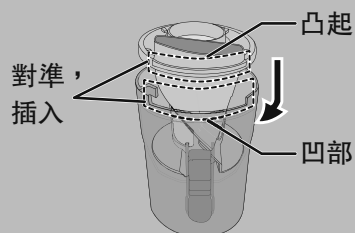


● 水洗後請充分乾燥，再裝回原樣

2 過濾網上的 ▼ 對準 ▲，再轉動至 ▲



3 如圖對準後插入，再轉回至卡口，裝好集塵盒



4 裝回集塵盒至本體，直到發出“噠”聲



使用・維護保養

# 維護保養

感覺較髒時

吸力減弱時或每月 1 次左右

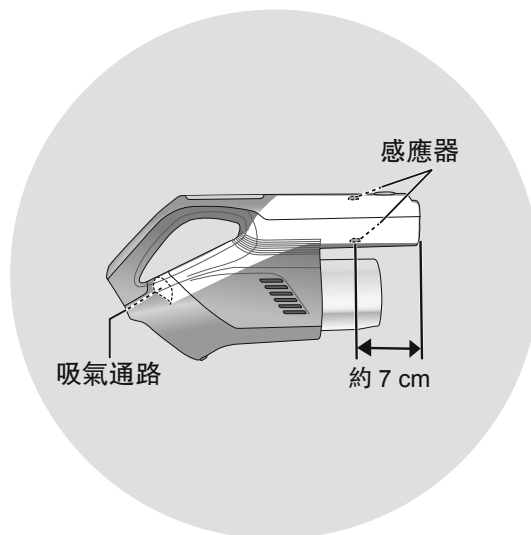
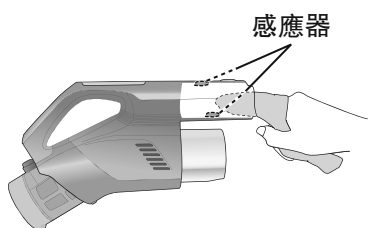
## ⚠ 注意

- 維護保養吸嘴時，請務必先關閉本產品，並取下吸嘴。  
(以免受傷)

### 感應器

- 微塵感應燈異常 (第 HK15 頁) 時，可能是本體內部的感應器 (2 處) 附著垃圾、灰塵了，請進行維護保養。

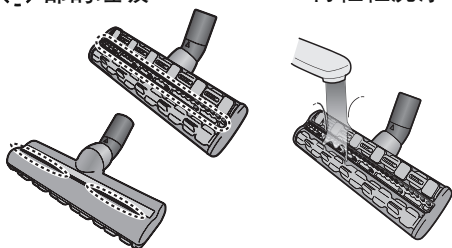
- 請用柔軟乾燥的布從前端伸入擦拭附著的垃圾、灰塵等



### 被褥吸嘴

- 清除 ( ) 部的垃圾

- 再輕輕洗淨



### 前過濾網

- 輕輕拍打使垃圾、灰塵等掉落，或輕輕水洗，再充分乾燥。



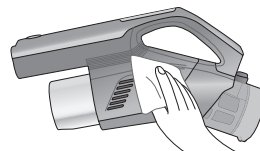
### 端子

- 清除端子 ( ) 部的垃圾 (第 HK4 ~ HK5 頁)



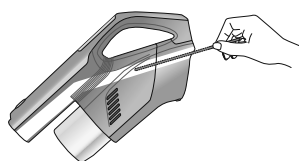
### 本體、延長管等

- 使用擰乾的柔軟濕布擦拭污漬、灰塵等。



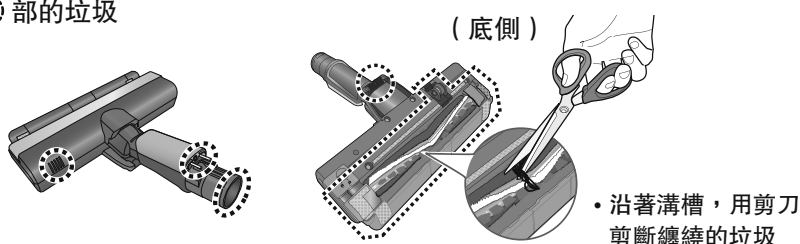
### 吸氣通路

- 吸力明顯下降或運轉音異常響時，請確認吸氣通路是否堵塞異物。
  - 取下集塵盒 (第 HK10 ~ HK11 頁) 後，插入筷子等清除掉堵塞物



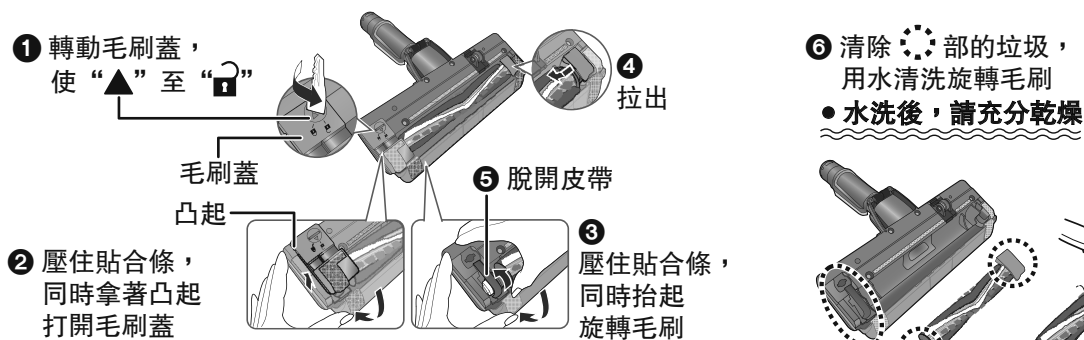
## 地板吸嘴

### ● 清除 部的垃圾

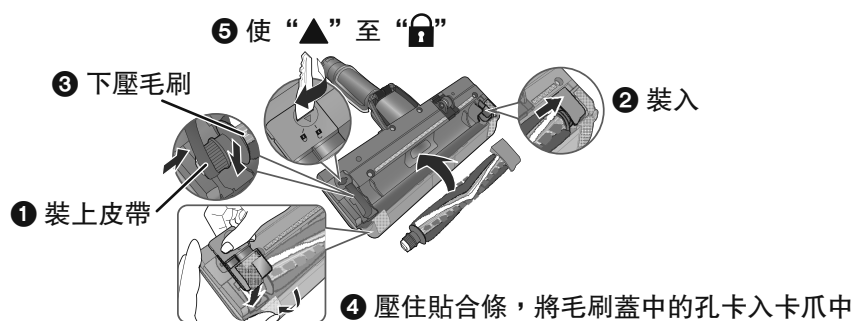


【旋轉毛刷除外】

### ● 用水清洗旋轉毛刷時



### ● 裝回原樣



### 請求

- 水洗後…
  - 甩乾水分，並使其充分乾燥（以免產生異味或造成堵塞）
  - 請勿使用吹風機等熱風進行乾燥（以免變形造成故障）
- 請勿使用洗滌劑、漂白劑、稀釋劑、酒精等物（以免造成裂痕、變色等）

使用・維護保養

# 疑難排解

在委託修理之前，請先確認以下項目。

發生這種情況時		檢查之處和處理方法
充電	充電提示燈不會亮燈（藍色）	<ul style="list-style-type: none"> <li>● 電源供應器電源插頭是否正確插入插座？</li> <li>● 電源供應器是否正確插入端子內（第 HK7 頁）</li> </ul>
	充電提示燈不熄滅	<ul style="list-style-type: none"> <li>● 如果充電 6.5 小時以上還不熄滅，可能是本產品發生故障或電池壽命到了。</li> <li>→請與原購買經銷店洽詢。</li> </ul>
	充電提示燈快速閃爍	<ul style="list-style-type: none"> <li>● 拔掉插頭等待 10 分鐘後再重新插入電源。若仍快速閃爍，請與原購買經銷店洽詢。</li> </ul>
	充電後，運轉時間還是很短	<ul style="list-style-type: none"> <li>● 充電場所的溫度是否過高或過低？</li> <li>→請在 5℃ ~ 35℃ 的室溫下充電</li> <li>● 夏天等高溫環境下產品剛用完就立刻充電，可能會因電池溫度過高而暫停充電，自行待機冷卻。</li> <li>→電池冷卻後會自動充電，請充電至充電提示燈熄滅</li> <li>● 電池是否壽命終結？</li> <li>→請更換電池（請與原購買經銷店洽詢。）</li> </ul>
運轉・吸力	不運轉	<ul style="list-style-type: none"> <li>● 電池是否沒電了？</li> <li>→請充電</li> <li>● 防止摩打或電池過熱的保護裝置是否啟動了？</li> <li>→① 關閉產品，停止運轉</li> <li>② 等待 5 分鐘 ~ 30 分鐘（摩打或電池冷卻，解除保護裝置）</li> <li>③ 請檢查保護裝置啟動的原因（第 HK4 頁）</li> </ul>
	未進行任何操作，但吸力變弱或運轉停止	<ul style="list-style-type: none"> <li>● 集塵盒內是否積滿垃圾了？</li> <li>→請清除掉垃圾，並對集塵盒各過濾網進行維護保養（第 HK10 ~ HK11 頁）</li> <li>● 吸入口、吸嘴、吸氣通路等是否被堵塞了？</li> <li>→請清除掉堵塞物</li> <li>● 地板吸嘴旋轉毛刷是否纏繞異物？</li> <li>→請清除掉異物（第 HK13 頁）</li> </ul>
	地板吸嘴旋轉毛刷不旋轉	<ul style="list-style-type: none"> <li>● 為了安全起見，地板吸嘴從地板浮起時，旋轉毛刷將停止運轉。</li> <li>● 是否按了  按鍵，關掉毛刷旋轉了？</li> <li>● 旋轉毛刷是否纏繞垃圾、繩子等物，是否被堵塞了？（第 HK13 頁）</li> <li>● 打掃毛很長的物體、或不同種類的地毯，或用力按壓吸嘴，可能會發生旋轉變慢或不旋轉的情況。</li> <li>→不旋轉時，請先停止運轉再重新開啓</li> <li>● 吸嘴提起後，若快速撞擊落到地面上，則旋轉毛刷可能不會旋轉。</li> <li>→慢慢放下吸嘴，請勿快速撞擊</li> <li>● 若運轉中取下又重裝地板吸嘴時，旋轉毛刷將不會旋轉。</li> <li>→請停止運轉後再裝吸嘴</li> </ul>
	即使在 HIGH（高）模式，吸力也很弱	<ul style="list-style-type: none"> <li>● 請關閉產品，再重新運轉一次。</li> <li>● 延長管、吸嘴等是否堵塞了？</li> <li>● 集塵盒內各過濾網是否堵塞了？</li> <li>→請清除掉垃圾，並進行維護保養</li> <li>● 集塵盒是否正確安裝？</li> <li>● 保護裝置是否啟動了（第 HK4 頁）？</li> <li>● 吸氣通路是否堵塞了？</li> <li>→用筷子等清除掉堵塞物（第 HK12 頁）</li> </ul>
	運轉中吸力變弱	

發生這種情況時		檢查之處和處理方法
異味	排氣中發出垃圾的異味	<ul style="list-style-type: none"> <li>● 吸入氣味很重的垃圾後是否一直未清理？ → 反復運轉仍對氣味在意時，請清除垃圾，並對集塵盒各過濾網進行維護保養（第 HK10 ~ HK11 頁）</li> </ul>
聲音	晃動吸嘴時發出咯噠聲	<ul style="list-style-type: none"> <li>● 此為滾動開關內部零件（滾球與杆）發出的聲音，並非異常。</li> </ul>
	裝上集塵盒後，運轉聲音變大	<ul style="list-style-type: none"> <li>● 集塵盒是否正確安裝？（第 HK10 ~ HK11 頁）</li> </ul>
	吸塵中，運轉聲音發生變動	<ul style="list-style-type: none"> <li>● 自動模式下，本產品會根據垃圾量自動調節吸力而導致運轉聲變動，並非異常。</li> <li>● 延長管、吸嘴、集塵盒（含各過濾網）、前過濾網是否堵塞？ → 請維護保養（第 HK10 ~ HK13 頁）</li> </ul>
	啓動時，本體可能發出“滴滴”聲（此時無法運轉）	<ul style="list-style-type: none"> <li>● 請再重新運轉一次。</li> </ul>
微塵感應燈	明明沒有垃圾，卻亮燈（不熄滅）	<ul style="list-style-type: none"> <li>● 感應器是否附著垃圾了？ → 請用柔軟乾燥的布擦拭掉感應器上附著的垃圾、灰塵等（第 HK12 頁）</li> </ul>
	明明有垃圾，卻不會亮燈	
	一直不熄滅	<ul style="list-style-type: none"> <li>● 下列情況時，微塵感應燈可能會一直亮著，不會熄滅，並非異常。 <ul style="list-style-type: none"> <li>• 對新的地毯等吸塵時（因存在較多脫落的絨毛）</li> <li>• 對被褥、毛毯等床上用品等吸塵時（可能存在較多角質、皮屑、蟎蟲等）</li> </ul> </li> <li>→ 持續吸塵後，地毯脫落的絨毛、角質、皮屑、蟎蟲等垃圾會慢慢減少，燈會慢慢熄滅</li> </ul>
其他	微塵感應燈、充電提示燈同時動作	<ul style="list-style-type: none"> <li>● 同時亮燈時，是溫度異常。 → 等待 5 分鐘 ~ 30 分鐘，並檢查保護裝置是否啓動（第 HK14 頁）</li> <li>● 同時閃爍時，可能是集塵盒、吸嘴、延長管、吸氣通路等堵塞了。 → 請清除掉堵塞物（第 HK10 ~ HK13 頁）</li> <li>● 同時快速閃爍時，請參照第 7 頁中的步驟操作，若還存在問題請與原購買經銷店洽詢、檢修</li> </ul>
確認之後，異常仍存在時		<ul style="list-style-type: none"> <li>● 切勿自行修理，請帶上產品（本體、延長管、地板吸嘴、電源供應器等），連同產品保修記錄卡，一併送至原購買經銷店。</li> </ul>

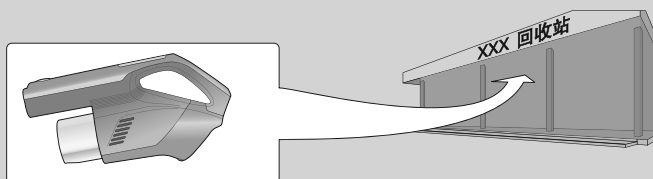
# 電池更換及廢棄

## 電池的更換

- 本產品中的充電式鋰離子電池為易耗品。當即使正確充電後，使用時間仍明顯變短，電池壽命可能到了。如需購買、更換電池，請洽詢經銷店。


## 電池的廢棄

- 本產品配有充電式鋰離子電池。廢棄本產品時切勿擅自分解電池或與一般生活垃圾堆放一起，以免污染環境。如需詳細資訊，請洽詢經銷店，或所在地廢棄物處理之主管機關。交由專業人員拆解、廢棄。



# 規格

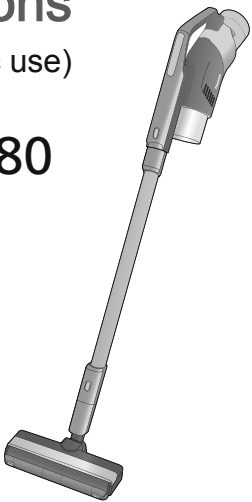
規 格		
型號	MC-BL480	
集塵容量	0.3 L	
噪音	79 dB (A)	
尺寸 (長 × 闊 × 高)	375 mm × 94 mm × 190 mm (本體)	
重量	1.1 kg (本體)	1.9 kg (含延長管、地板吸嘴)
額定功率	250 W	
大約的使用時間	AUTO (自動) 15 分 ~ 30 分      HIGH (高) 8 分 (周圍溫度 20 °C，充滿電的全新電池)	
充電電池	充電電池	充式鋰離子電池 (共 6 節)
	電池參數	21.6 V $\equiv$ 1600 mAh
	充電時間	3.5 小時 (周圍溫度 20 °C，從電量耗盡狀態至充滿)
電源供應器	型號	AVV61V-R3
	輸入	220 V $\sim$ 50 Hz
	輸出	23.5 V $\equiv$ 1.2 A
附屬配件	地板吸嘴 (1 個)                      延長管 (1 條) 被褥吸嘴 (1 個)                      電源供應器 (1 個) 伸縮兩用吸嘴 (1 個)	

※ 本產品的電源供應器屬於 II 類器具 



Operating Instructions  
Rechargeable Vacuum Cleaner (Domestic use)

Model No. MC-BL480



Attached with a product warranty registration card

Thank you for purchasing Panasonic product.  
All illustrations used are for explanation purposes, actual item may vary slightly from those shown.  
Please read the operating instructions carefully before charging and using the appliance to ensure safe and correct operation.  
Before use, please make sure to read **"Safety Precautions"** (Pages EN2 ~ EN3).  
Keep the operating instructions for future use.

Reserve it for later use

Contents	Page
Safety Precautions .....	EN2
Notes on Use .....	EN4
Parts Names .....	EN4
• Let's check the accessories	
Charging .....	EN6
Preparation .....	EN7
Cleaning .....	EN8
• In different places, choose a different nozzle.	
Disposing of the dust (Maintenance) .....	EN10
Maintenance .....	EN12
Troubleshooting .....	EN14
Battery replacement and disposal .....	EN16
Specifications .....	EN16

Before use

Usage•Maintenance

Troubleshooting

# Safety Precautions

Please make sure to follow these instructions

In order to prevent accidents or injuries to the user, other people, and damage to property, please follow the instructions below.

■ The following charts indicate the degree of damage caused by wrong operation.



## DANGER

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



## WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



## CAUTION

Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.

■ The symbols are classified and explained as follows.



This symbol indicates prohibition.



This symbol indicates requirement that must be followed.



## DANGER

To avoid prevent injuries, etc.



**Do not mishandle** (This can cause leakage, overheating, ignition, rupturing or electric shock)

- The main unit has a built-in rechargeable battery, which cannot be used in other electrical appliances  
→ Use the designed AC adapter to recharge  
→ This appliance contains batteries that are only replaceable by skilled persons
- Do not dispose of the battery in a fire or expose it to heat
- Do not pierce with nails, apply impacts, disassemble, repair or modify
- Do not short-circuit by allowing metals or other materials to come into contact with the socket terminals
- Do not charge, use or place in places with high temperatures, including near fire or in hot weather



## WARNING

To avoid fire, burns, electric shock and etc.



**Do not allow the unit to suck burning or flammable objects**

(So as to avoid an explosion or fire)

Cigarettes, toner from a copier, heating fuels, thinners, etc.



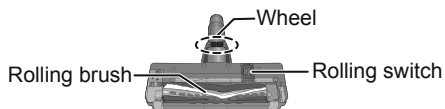
**Do not use if the plug or mains lead are damaged**

(This can cause fire due to overheating and ignition)



**Please do not touch the rolling brush or rolling switch.**

(To avoid injury caused by the pinch of fingers, or burns caused by increased temperature due to the action of the protection device)



**Do not mishandle**

- Do not wash with water  
(Except for those parts and accessories that can be washed with water)
- Do not plug or unplug the power plug with wet hands  
(Danger of electric shock)
- Do not use around wet places, such as in toilets and bathrooms
- Do not damage the mains lead or the plug. Do not forcefully machine, bend, twist, stretch or place the cleaner at high temperatures or place heavy objects on its top or bundle it  
(This can cause an electric shock, short circuit or fire)  
→ Consult the place of purchase for information about repairs.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety



## WARNING

To avoid fire, burns, electric shock and etc.



**If battery liquid gets into your eyes, immediately wash with clean water (Do not rub your eyes)**

(Danger of blindness)

→ Seek for professional medical treatment immediately.



**Children should be supervised to ensure that they do not play with the appliance**

(It may cause fire, electric shock or injury)



**Use the AC adapter properly**

- The AC adapter are only suitable for indoor use to guard against rain (Not doing so can cause electric shock, ignition)
- The AC adapter are limited to charging this product (Not doing so can cause electric shock, ignition, overheating or injury)
- For the purposes of recharging the battery, only use the detachable supply unit AVV61V-R3
- Insert fully into the socket (There is a danger of electric shock or fire due to overheating if you do not plug into the socket outlet)
- Must be within the rated values of the socket and the wiring appliances, etc., and must use AC 220 V (Overheating lead to fire can result if the system exceeds recommended ratings by plugging too many devices into the same socket.)
- The plug must be removed from the socket outlet before maintaining the appliance (Danger of electric shock)
- The plug must be removed from the socket outlet when the unit is not to be used for a long period of time (To avoid electric shock, electric leakage, fire, etc. caused by insulation damage)
- Use dry cloth to regularly remove dust from power plugs, plugs, etc. (P.EN4 ~ EN5) (Dust gathered can lead to incomplete insulation caused by moisture, which can lead to fire)



**When an error occurs, stop using it immediately, turn off the main power switch, and unplug the AC adapter from the socket outlet**

(Danger of smoke, ignition, and electric shock)

e.g. abnormality or breaking down

- Even if you turn on the power source, it won't run.
- There are strange noises when the unit is operating
- When the plug or the mains lead is pulled, the battery status indicator lamp is on and off
- The main unit deforms or becomes very hot
- There is a burning smell

→ Immediately request maintenance and repair at the place of purchase

Before use



## CAUTION

To avoid ignition, injury and etc.



**Do not mishandle**

- The floor nozzle cannot be excessively pulled in the left and right directions (This can cause scratching to the floor surface)
- Do not use it when the parts on the bottom side of the floor nozzle wear out (This can cause scratching to the floor surface)  
→ Check the unit before use, and if there is wearing, consult the place of purchase
- Do not put metal in the contacts of each plug (P. EN4 ~ EN5) (Danger of electric shock)
- Do not pull the mains lead when unplugging from the socket outlet (It may cause an electric shock or fire caused by short circuit)



**Do not approach the fire source or the heat source, and avoid direct sunlight**

(This can cause fire or deformation)



**If the battery leaks and liquid gets onto your skin or clothes, wash carefully with clean water**

(This can cause skin inflammation and injury)

- Seek for professional medical treatment immediately.



**Please store the vacuum cleaner (battery) in a clean, dry place**

(so as to avoid the battery from moisture which leads to overheating, ignition or electric shock)

# Notes on Use

## To extend the service life

The vacuum cleaner is a household vacuum cleaner and should not be used for commercial or industrial purposes and for other purposes other than vacuum cleaning.

- Do not allow the unit to suck the following objects (This can cause malfunctions and odours)
  - Large volumes of powder (Construction waste or fire extinguisher powder)
  - Pet litter or anything with pet waste attached
  - Glass, pins, needles, toothpicks
  - Dehumidification powders
  - Water and other liquids      • Damp or wet items
  - Carpet fringes                  • Long pieces of string
  - Objects that easily block the suction inlet (Stockings, etc.)
- Do not try to clean in places with large volumes of sand, pet litter or gravel (This can cause malfunction)
- Do not directly vacuum with the front port of the body or extension wand  
(So as not to wear the front port)  
→ Please use telescopic 2-way nozzle
- Do not block the exhaust port  
(This can cause deformation due to overheating)
- Do not operate for a long time if the suction inlet is blocked  
(To avoid deformation due to overheating)
- Do not arbitrarily fiddle with the charge plug  
(To avoid bad contact)

## To prevent overheating of the motor (Protection device)

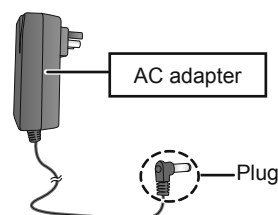
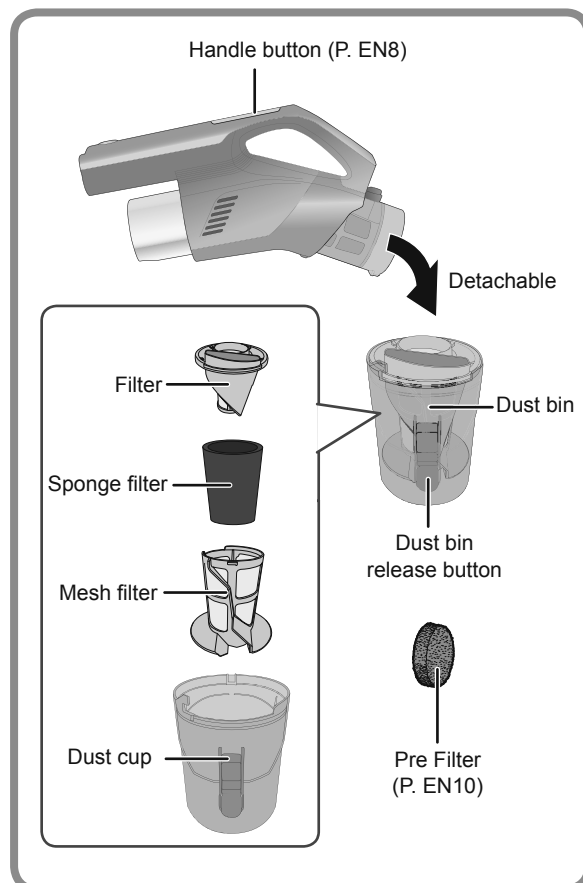
If the vacuum cleaner continues running under the following conditions, the protection device will be activated, the body or suction nozzle will automatically stop running to prevent the motor from overheating and damage. (P. EN14)

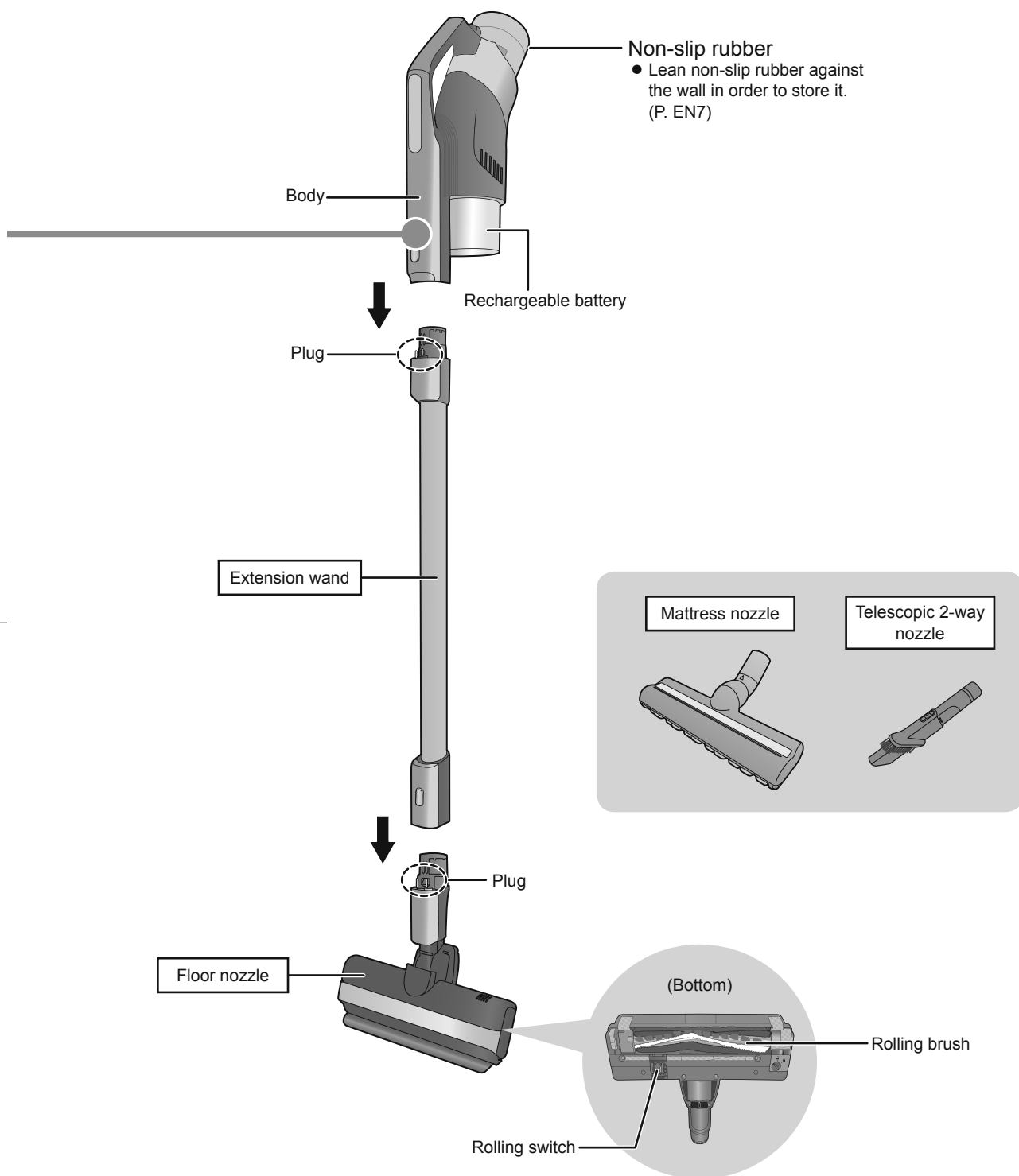
- When the dust bin is full of rubbish
- When the suction nozzle and inlet are clogged
- When the rotating brush is placed in the same place as it rotates
- When foreign objects are wound around the rotating brush

# Parts Names

## Let's check the accessories

Parts enclosed in   are included accessories.





# Charging



The battery is not fully charged at the time of purchase, so please be sure to charge before use  
(Full charge takes about 3.5 hours)

## To help make the battery last longer

- If the vacuum cleaner is not used for more than 1 month, charge it fully. Unplug the AC adapter and store the cleaner. Charge it at least once in six months.
- To avoid affecting the battery life, when the vacuum cleaner stops automatically due to the exhausted battery during use, do not attempt to restart it or leave it alone to avoid over discharge.  
→Make sure to charge it after use
- Recharge in a room where the temperature is between 5 °C and 35 °C . (In order to charge correctly, avoid the use time to become shorter or charge time to become longer. The unit cannot charge properly if the room is too cold, or too hot such as when the room receives direct sunlight.)

### Note

- When it is plugged in for charging during operation, the vacuum cleaner will automatically stop running and change to charging mode.
- The temperature of the body and the AC adapter will increase during charging, which is a normal phenomenon.
- The charging time and service time will vary depending on the temperature and status of the battery.
- Although the vacuum cleaner can be used when it is not fully charged, the service time will be shorter than when it is fully charged.

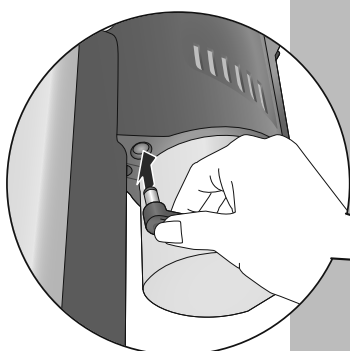
### Request

- When used for the first time after purchase or left idling for more than 6 months, the battery may be reduced in capacity due to over-discharge.  
→Make sure to recharge it before using it again
- After the AC adapter is plugged in, 0.5 W is consumed even if the vacuum cleaner is not charged.  
→When the vacuum cleaner is not in use for a long time, unplug the plug to save power
- In order to avoid interference with TV sets, telephones, etc. (such as noise), please keep more than 1 m away from these appliances when charging.
- When the battery status indicator lamp (blue) flashes, charge the vacuum cleaner in time.
- When the battery status indicator lamp (blue, red) flashes at the same time and the vacuum cleaner cannot run, follow the steps below to charge until full
  - ① Press and hold "OFF" more than 10 seconds to confirm whether the battery status indicator lamp is off
  - ② Press "OFF" again to confirm whether the battery status indicator lamp is no longer flashing (if it is still flashing, please return to ① to operate again)
  - ③ Charging  
(If the vacuum cleaner is unable to run after the steps above are performed, please press "OFF", unplug the AC adapter, and contact the original dealer for maintenance)

# Preparation

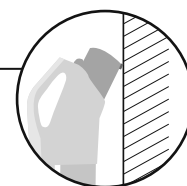
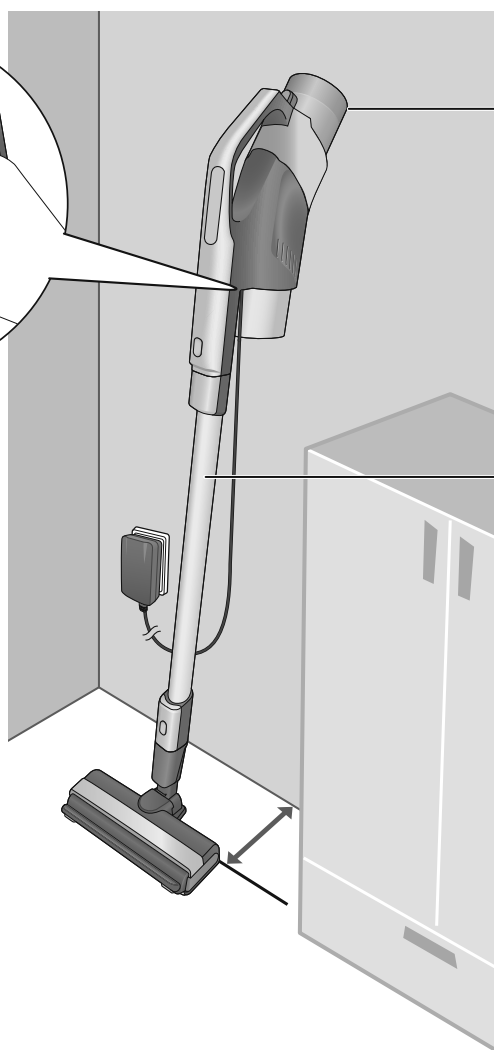
- You can store it in the corner of the room, or between the gaps in the furniture, where it doesn't tip over.

Plug into the port of the body completely as shown.

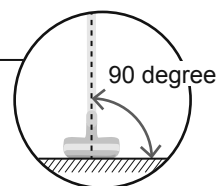


## Request

- Do not pull the mains lead when pulling the plug  
(To avoid breaking the mains lead)  
→ Please hold the plug (as shown) and pull it out



- Lean non-slip rubber against the wall.



- Do not incline to the horizontal

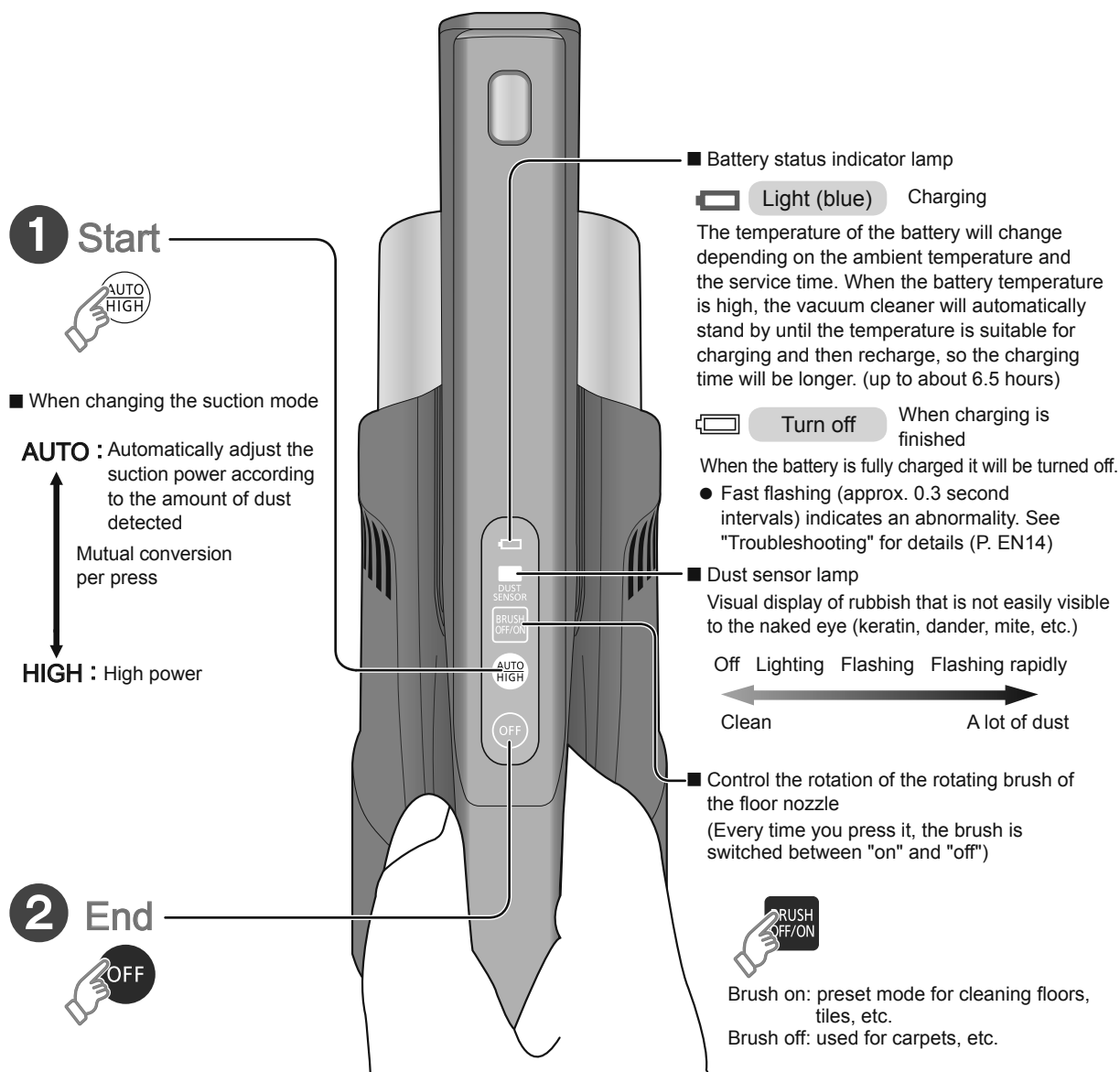
Before use

## Request

- When lean against the wall, please make sure there is nothing fragile around and keep the vacuum cleaner away from children and pets.
- If the floor or the wall is too slippery to store it, please lay it on the floor.

EN7

# Cleaning



## Tips of vacuuming

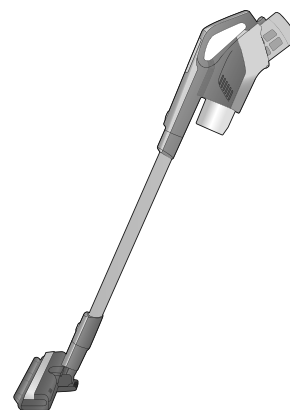
Gently move the floor nozzle and do not press down forcefully. It is ideal to move the nozzle back and forth at intervals of 2 to 3 seconds. The optimum distance for each stroke of the floor nozzle is about half of the operator's height.

### Note

- For safety, when the floor nozzle is lifted up, the rotating brush will be stopped. And after a period of time, the suction of the body will automatically fall, reducing the power consumption, and will resume when the floor nozzle is laid down again.

### Request

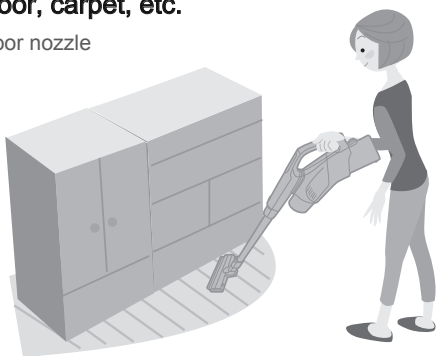
- When replacing the nozzle, turn off the vacuum cleaner first.
- To prevent scratches, do not use it to clean burnished surfaces, such as piano.



In different places, choose a different nozzle.

**Floor, carpet, etc.**

Floor nozzle



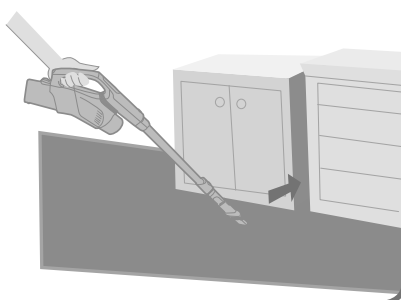
**Car interior, table, shelf, sofa, etc.**

Telescopic 2-way nozzle



**Gaps between furniture, etc.**

Telescopic 2-way nozzle



**Slots such as windowsills and sliding doors**

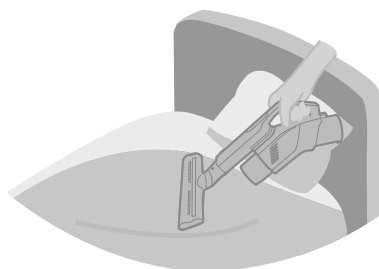
Telescopic 2-way nozzle



**Bedcover, mattress, etc.**

Mattress nozzle

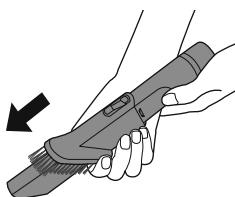
(When cleaning the bedcover and mattress, gently slide the nozzle forward and backward.)



■ How to use telescopic 2-way nozzle?

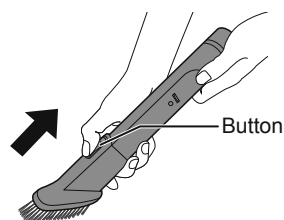
**Pull-out method**

- Pull it in the direction of the arrow until it clicks



**Retracting method**

- Press down the button while retracting



# Disposing of the dust (Maintenance)

- Turn off the vacuum cleaner when cleaning up rubbish or during maintenance.



When the dust bin is full or the suction power is weakened, please clean up the rubbish in time and perform maintenance.

## Note

- When the dust sensor lamp and the battery status indicator lamp flash at the same time (In this case, the suction power is weakened), please timely clean up the rubbish and perform maintenance.
- Since rubbish may not accumulate in the dust bin evenly, please confirm the rubbish accumulation directly.
- In order to prevent the suction power from dropping, rubbish that easily clogs such as sand should be removed as soon as possible even if the amount is small, and the dust bin should be maintained.
- The dust box may become full earlier on new carpets because of the presence of loose threads. (As the number of vacuuming increases, the carpet floating wool will gradually decrease)

## Request

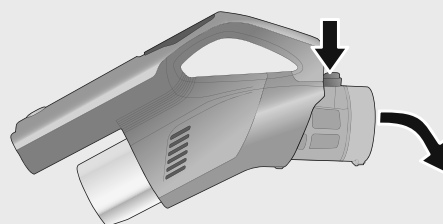
- Please do not use substances such as detergent, bleach, gasoline, thinner, or alcohol (To avoid cracks and colour change)
- Please dry the dust bin completely for about 24 hours immediately after washing (To avoid odor or clogging)
- Please do not use blow dryer or similar device to dry it (To avoid malfunction)

## Recommendation

- It is advised to remove the rubbish immediately after each vacuuming and perform **detailed maintenance**. Not only will this prevent rubbish from producing odors, but also prevent the dust in the dust bin from adhering to subtle and easily-blocking rubbish (e.g., dust, dust from cotton quilts, etc.), resulting in weakened suction power.

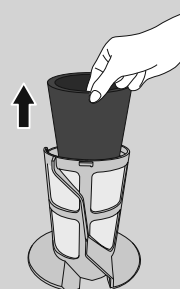
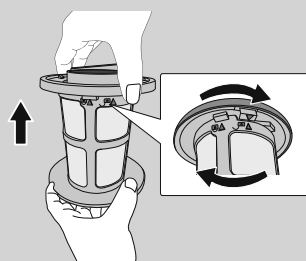
## 1 Remove the dust bin, clean up the rubbish

- 1 Press the dust bin release button to remove the dust bin
  - When taking out, please keep the body horizontal to prevent the rubbish in the dust bin from falling out.



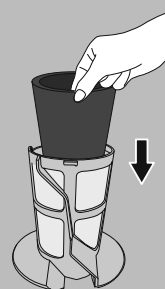
## 2 Maintain the dust bin

- 1 Rotate as shown in the figure to make ▼ align with ▲ and open and remove the filter
- 2 Remove the sponge filter



## 3 Reinstall it

- 1 Reinstall the sponge filter back

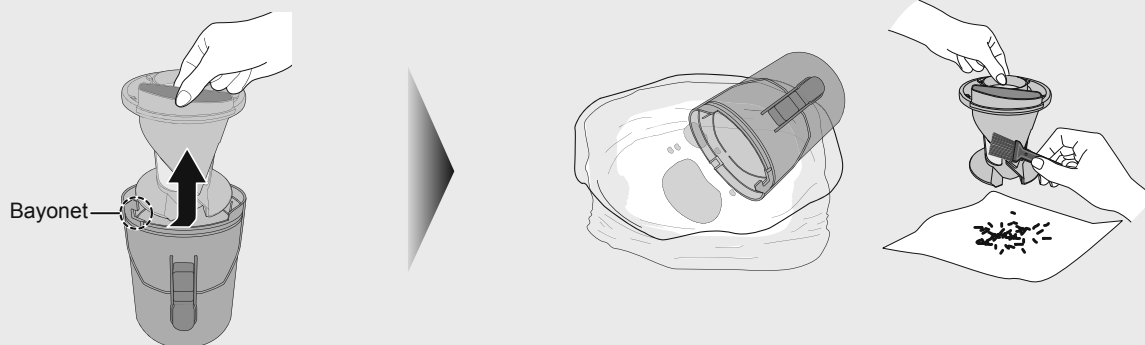


When the vacuum cleaner becomes dirty

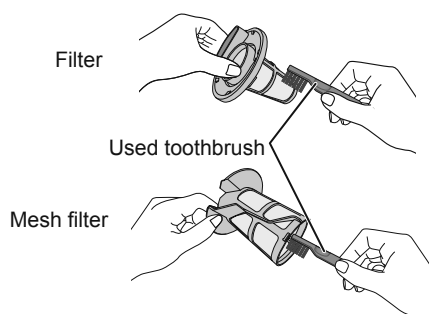
When the suction power is weakened or about once a month

## Dust bin

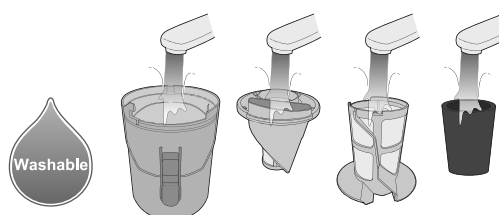
- 2** Pull out slightly and then out of the bayonet, then open the dust bin upwards and remove the rubbish



### Detailed maintenance

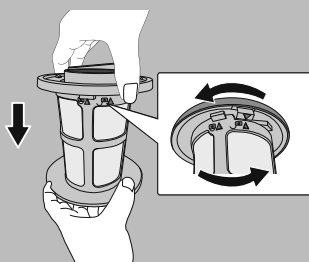


You may wash the vacuum cleaner when it becomes dirty after prolonged use

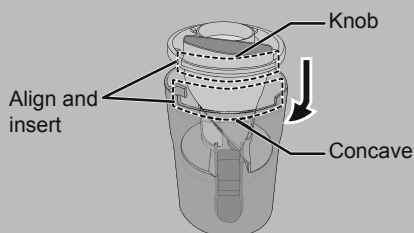


- After washing, please fully dry it and reinstall it

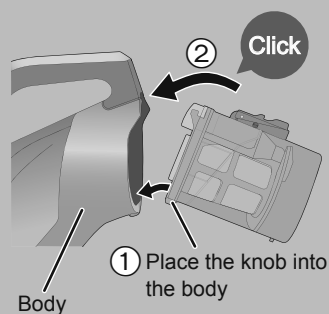
- 2** Align ▼ with ▲ on the filter, and then rotate to ▲



- 3** Insert it as shown in the figure, and then turn it back to the bayonet to install the dust bin



- 4** Reinstall the dust bin to the body until it clicks



# Maintenance

When the vacuum cleaner becomes dirty

When the suction power is weakened or about once a month



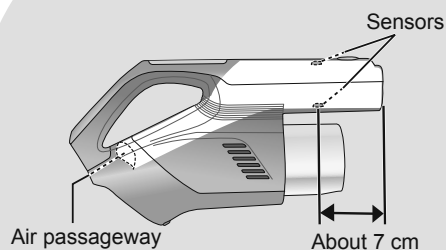
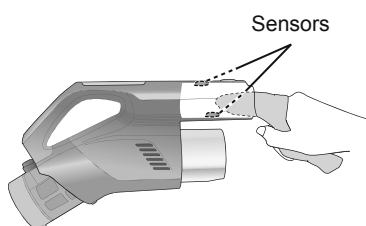
## CAUTION

- When maintaining the nozzle, always close the vacuum cleaner and remove the nozzle.  
(To avoid injury)

### Sensors

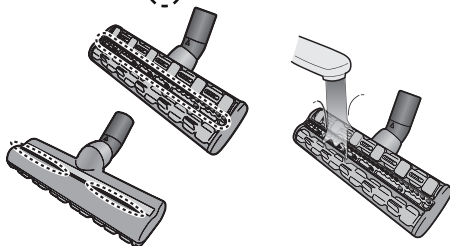
- If the dust sensor lamp is abnormal (P. EN15), rubbish or dust may adhere to the sensor part (2 places) inside the body. Please perform maintenance.

- Use a soft, dry cloth to wipe the attached rubbish, dust, etc. from the front end



### Mattress nozzle

- Remove rubbish from ( ) areas
- Gently clean



### Pre Filter

- Tap lightly to remove rubbish, dust, etc., or gently wash and dry thoroughly.



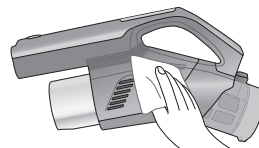
### Plug

- Remove rubbish from the plug ( ) areas  
(P. EN4 ~ EN5)



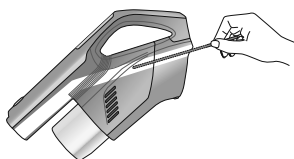
### Body, extension wand etc.

- Wipe up dirt, dust, etc. with a wrung soft and damp cloth.



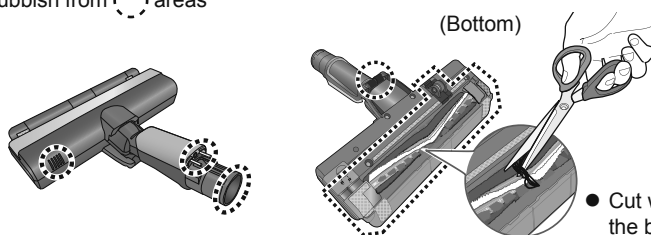
### Air passageway

- When the suction power declines significantly or the running sound sounds abnormal, check whether the air passageway is obstructed by foreign matter.
- After removing the dust bin (P. EN10 ~ EN11), insert chopsticks, etc. to remove the foreign matter



## Floor nozzle

- Remove rubbish from  areas



[Except rolling brush]

- Cut with scissors along the gaps between the brushes to remove tangled rubbish

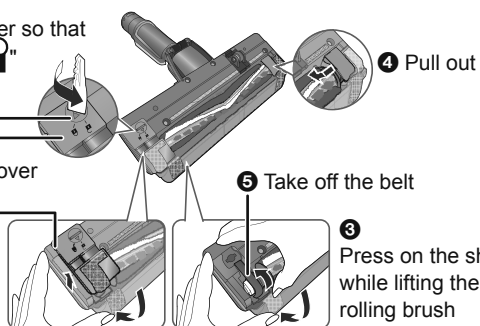
- When you want to wash the rolling brush with water


- 1 Rotate the brush cover so that "▲" may arrive at "1"

Brush cover

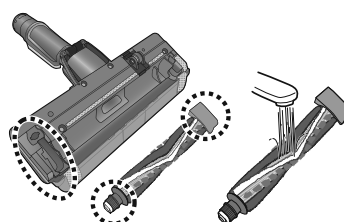
Knob

- 2 Press on the shutter while holding the knob to open the brush cover

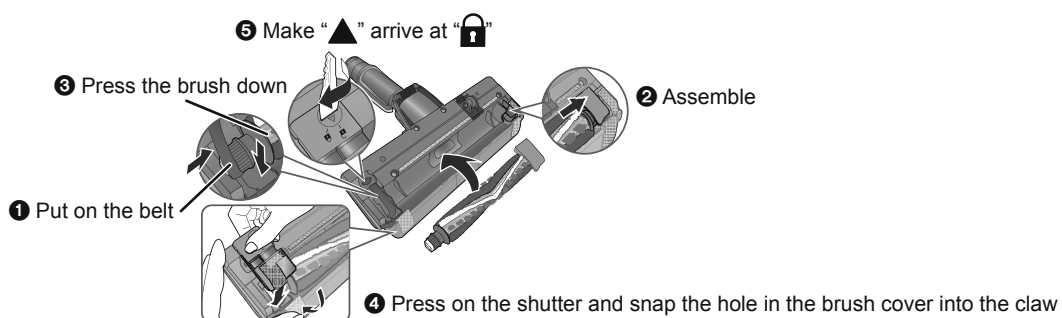


- 6 Remove rubbish from  areas. Wash the rolling brush with water

- After washing, please fully dry



- Reinstall



Usage•Maintenance

### Request

- When washed with water...
  - Remove any water and dry completely (To avoid causing strong odours or clogs)
  - Please do not use blow dryer or similar device to dry it (To avoid deformation and malfunction)
- Please do not use substances such as detergent, bleach, thinner or alcohol (To avoid cracks and colour change)

# Troubleshooting

Check the following before requesting repairs.

	When this happens	Inspection and handling
Charging	The battery status indicator lamp does not light (blue)	<ul style="list-style-type: none"> <li>Is the AC adapter properly inserted in the socket?</li> <li>Is the AC adapter properly inserted into the port? (P. EN7)</li> </ul>
	The battery status indicator lamp does not go out	<ul style="list-style-type: none"> <li>If the battery status indicator lamp does not go out after charging for more than 6.5 hours, it may be that the vacuum cleaner has failed or the battery life is up. →Please consult with the original dealer.</li> </ul>
	The battery status indicator lamp flashes quickly	<ul style="list-style-type: none"> <li>Unplug and wait for 10 minutes before plugging in again. If it still flashes quickly, contact your original dealer.</li> </ul>
	Operation time has reduced greatly after charging	<ul style="list-style-type: none"> <li>Are you charging where the temperature is too high or too low? →Recharge in a room where the temperature is between 5 °C and 35 °C</li> <li>If the product is charged immediately after it is used in a high temperature environment such as in the summer, charging may be suspended due to excessively high battery temperature and the product may standby for cooling. →The battery will automatically charge after it cools. Please charge it until the battery status indicator lamp goes out</li> <li>Does the battery reach the end of its life? →Please contact the original dealer for purchase and replacement of the battery</li> </ul>
Operation-Suction power	The vacuum cleaner does not run	<ul style="list-style-type: none"> <li>Is the battery exhausted? →Please charge it</li> </ul>
	No operation is performed but the suction power is weakened or the operation is terminated	<ul style="list-style-type: none"> <li>Has the protection device to prevent the motor or battery from overheating started?                             <ul style="list-style-type: none"> <li>→① Close the vacuum cleaner and stop the operation</li> <li>→② Wait for 5 to 30 minutes (for motor or battery to cool, and release the protection device)</li> <li>→③ Please check the reason for the start of the protection device (P. EN4)                                     <ul style="list-style-type: none"> <li>Is the dust bin full of rubbish? →Please remove rubbish and maintain the filters of the dust bin (P. EN10 ~ EN11)</li> <li>Are the suction inlet, nozzle, and air passageway blocked? →Please remove the blockage</li> <li>Is the rotating brush of the floor nozzle wound by foreign objects? →Please remove foreign objects (P. EN13)</li> </ul> </li> </ul> </li> </ul>
	The rotating brush of the floor nozzle does not rotate	<ul style="list-style-type: none"> <li>For safety, when the floor nozzle is lifted up, the rotating brush will be stopped.</li> <li>Did you press the <b>BRUSH OFF/ON</b> button and turn off the brush?</li> <li>Is the rotating brush wrapped around debris, ropes, etc.? Is it blocked? (P. EN13)</li> <li>Sweeping objects with long hair or different kinds of carpets, or pressing the nozzles with force may cause the rotating part to rotate slow or not to rotate. →When not rotating, stop operation and then restart</li> <li>After the suction nozzle is lifted, if it rapidly hits and falls onto the ground, the rotating brush may not rotate. →Slowly lower the nozzle; do not hit it quickly</li> <li>If the floor nozzle is removed and reinstalled during operation, the rotating brush will not rotate. →Install the nozzle after stopping the operation</li> </ul>
	The suction power is weak even in the "HIGH" mode	<ul style="list-style-type: none"> <li>Switch off the vacuum cleaner and run it again.</li> <li>Are the extension wand, nozzle, etc. blocked?</li> <li>Are the filters inside the dust bin blocked? →Remove the rubbish and perform maintenance</li> <li>Is the dust bin installed correctly?</li> <li>Is the protection device activated?</li> <li>Is the air passageway blocked? →Use chopsticks to remove obstructions (P. EN12)</li> </ul>
	The suction power becomes weak during operation	

	When this happens	Inspection and handling
Smells	The exhaust smells of rubbish	<ul style="list-style-type: none"> <li>Has the vacuum cleaner not been cleaned after inhaling smelly rubbish? →If you care about the odor during the re-operation, please remove the rubbish and maintain the filters inside the dust bin (P. EN10 ~ EN13)</li> </ul>
	A click sound is heard when shaking the nozzle	<ul style="list-style-type: none"> <li>This is the sound produced by the internal parts (rollers and levers) of the rolling switch and is not abnormal.</li> </ul>
Sounds	After the dust bin is installed, the operating sound becomes louder	<ul style="list-style-type: none"> <li>Is the dust bin installed correctly? (P. EN10 ~ EN11)</li> </ul>
	During vacuuming, the operating sound changes	<ul style="list-style-type: none"> <li>In the automatic mode, the vacuum cleaner automatically adjusts the suction power according to the amount of the rubbish and causes the operating sound to fluctuate. It is not abnormal.</li> <li>Are the extension wand, nozzle, dust bin (including each filter), pre filter blocked? →Perform maintenance (P. EN10 ~ EN13)</li> </ul>
	At startup, the body may emit a "beep" sound (the vacuum cleaner cannot run at this time)	<ul style="list-style-type: none"> <li>Please run again.</li> </ul>
Dust sensor lamp	Lamps light even though no dust has been sucked (lamps do not go off)	<ul style="list-style-type: none"> <li>Is there dust on the dust sensor lamp? →Wipe the rubbish, dust, etc. attached to the sensor with a soft, dry cloth (P. EN12)</li> </ul>
	Lamps don't light even though dust has been sucked	
	Lamps don't seem to go off	<ul style="list-style-type: none"> <li>In the following cases, the dust sensor lamp may stay lit and will not go out. It is not abnormal. <ul style="list-style-type: none"> <li>When vacuuming a new carpet, etc. (because of the loose fuzz of it)</li> <li>When vacuuming bedding such as quilts, blankets, etc. (There may be much keratin, dander, mite, etc.)</li> </ul> </li> <li>→After vacuuming, debris such as loose fuzz, keratin, dander, mite, etc. will gradually decrease, and the lamp will slowly extinguish</li> </ul>
Others	Dust sensor lamp, battery status indicator lamp flashing at the same time	<ul style="list-style-type: none"> <li>If the lamps are turned on at the same time, the temperature is abnormal. →Wait 5 to 30 minutes and check if the protection device is activated (P. EN14)</li> <li>When they flash at the same time, the dust bin, nozzle, extension wand, and air passageway may be blocked. →Remove obstructions (P. EN10 ~ EN13)</li> <li>When they are flashing quickly at the same time, please refer to the steps on Page 7. If there are still problems, please consult with the original dealer for repair.</li> </ul>
	If there is still a problem after checking	<ul style="list-style-type: none"> <li>Do not repair yourself, and please take this product (body, extension wand, floor nozzle, AC adapter etc.), together with product warranty registration card to the original purchase store.</li> </ul>

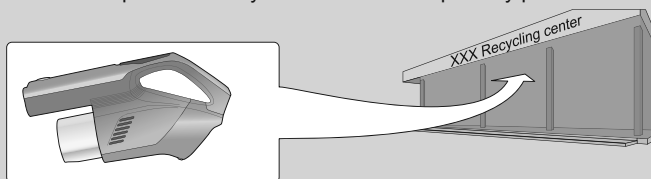
# Battery replacement and disposal

## Battery replacement

- The rechargeable Li-ion battery in this product is a consumable product. When the service time is still significantly shorter even after correct charging, the battery life may reach the end of its service life. If you need to buy or replace the battery, please consult the original dealer.

## Battery disposal

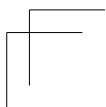
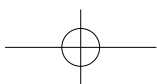
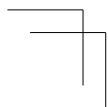
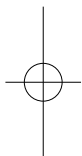
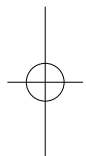
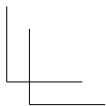
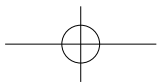
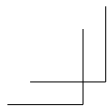
- This product is equipped with a rechargeable lithium ion battery. When disposing of this product, do not disassemble the battery or put it together with household rubbish to avoid polluting the environment. For detailed inquiries, please consult your dealer or local waste disposal authority. Dismantle and dispose by professionals.



# Specifications

Specifications		
Model No.		MC-BL480
Dust capacity		0.3 L
Noise		79 dB (A)
Dimensions (Depth×Width×Height)		375 mm×94 mm×190 mm (Body)
Mass		1.1 kg (Body)      1.9 kg (Extension wand and Floor nozzle)
Rated power consumption		250 W
Continuous service time		AUTO 15 minutes ~ 30 minutes      HIGH 8 minutes (20 °C /fully charged, early period of battery)
Rechargeable battery	Rechargeable battery	Rechargeable lithium-ion battery (6)
	Battery parameters	21.6 V $\equiv$ 1600 mAh
	Recharging time	3.5 hours (when charging starting when the battery is completely discharged and the ambient temperature is 20 °C )
AC Adapter	Model No.	AVV61V-R3
	Input	220 V $\sim$ 50 Hz
	Output	23.5 V $\equiv$ 1.2 A
Accessories		Floor nozzle (1)      Extension wand (1) Mattress nozzle (1)      AC adapter (1) Telescopic 2-way nozzle (1)

※ The vacuum cleaner's AC adapter belongs to Class II appliances 



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