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DVT-2050 使用手冊 USER MANUAL

VoiceTracer

DVT-2050

PHILIPS

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1 重要須知

1. 1 注意事項

· 為了保持良好性能，請避免在下列場所放置或使用本機。
  1. 浴室或其他受潮的地方。
  2. 陽光暴曬或靠近加熱設備等高溫環境下。
  3. 溫度過低的地方。
  4. 多塵的地方。
· 請勿自行對本機進行拆修或變更，如果產品有問題請與經銷商或客服聯繫。
· 避免摔落或強烈碰撞本機，請勿過分用力按壓液晶顯示幕，否則可能導致液晶螢幕損壞或顯示異常。
· 請選擇合適音量，使用耳機時不宜過大音量若感到耳鳴，請調小音量或停止使用。
· 本產品只適用於一般性語言進行錄音。對於非法使用本產品所引起的糾紛或因維修及使用中資訊丟失或損壞，本公司概不負責，請使用者遵照說明書進行規範操作，並應在法律允許的範圍內使用。
· 請避免含有強酸鹼的清潔劑來清潔本機。
· 為避免消磁，請保持本機遠離磁性物質，如磁碟片、信用卡等。

特別聲明：使用本產品前請仔細閱讀本說明書，如因人為誤操作或不可抗因素而導致資料丟失，本公司一概不予負責；特別提醒使用者小心操作，注意將資料另外備份!!
本公司保留改進產品的權利，產品規格及設計如有變更，恕不另行通知!

1. 2 聽力保護

使用耳機時，請遵循以下準則：
· 調整至合適的音量，切勿長時間使用耳機。
· 特別需要注意，切勿將音量調至耳朵所能承受的範圍之外。
· 切勿將音量調至蓋過周邊環境的聲音。
· 在危險情況下請小心或暫停使用耳機。
· 在駕駛汽車、騎自行車、玩滑板時，切勿使用耳機；否則會導致交通意外，且違反相關法律法規。

1. 3 記憶卡

· 本設備支援 Micro SD 記憶卡，容量高達 32GB (適於6類或更高)。
· 請確保記憶卡具有足夠高的數據傳輸速率。製造商不保証無故障操作。
· 格式化記憶卡會刪除其中全部數據。請務必在本設備中格式化記憶卡，確保格式正確。使用電腦格式化記憶卡可在讀取或寫入數據時導致最終出錯。

2 符號標誌

有關使用說明，請參閱本用戶手冊中以下章節。

手冊符號標誌

提示

· 此符號標誌指明幫助您更加高效簡便使用設備的信息。

注意

· 此符號標誌指明處理或操作設備時必須遵守的個各種注意事項。

小心

· 此符號標誌警告可能發生的設備損壞和數據丟失。操作不當，可能導致損壞。

警告

· 此符號標誌警告人身傷害危險。操作不當，可能導致人身傷害或設備損壞。

3 您的數位錄音筆 DVT-2050

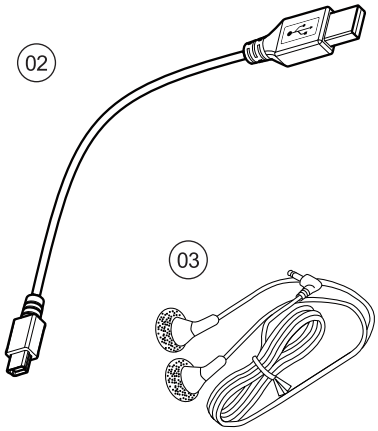
我們非常高興您選擇 Philips 設備。請訪問我們的網站獲取全面支持，如使用手冊、軟體下載、保修訊息等：www.philips.com/dictation。

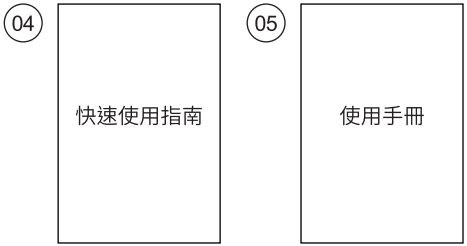
3.1 產品特點

- **立體聲錄音**
  錄音品質高端清澈，聲音立體呈現
- **一鍵錄音**
  按下錄音鍵 即可錄音，按下停止鍵 即保存錄音
- **降噪錄音**
  錄音時降低環境噪音，錄音清晰
- **A - B 複讀**
  A - B 段落複讀模式，學習輕鬆又方便
- **聲控錄音**
  啟用聲控錄音功能，無需按按鈕即可錄音
- **插卡擴充**
  Micro SD 卡插槽，可擴充儲存容量

3.2 包裝清單

01 DVT-2050
02 USB 傳輸線
03 立體聲耳機
04 快速使用指南
05 使用手冊





3. 3 產品概述

3. 3. 1 前側和後側

01 記憶卡插槽

02 Micro USB 端口，用於連接電腦

03 左右內置麥克風

04 狀態 LED 紅色 - 設備正在錄音

綠色 - 設備正在重放錄音

黃色 - 正在向 / 從電腦傳輸數據

05 螢幕

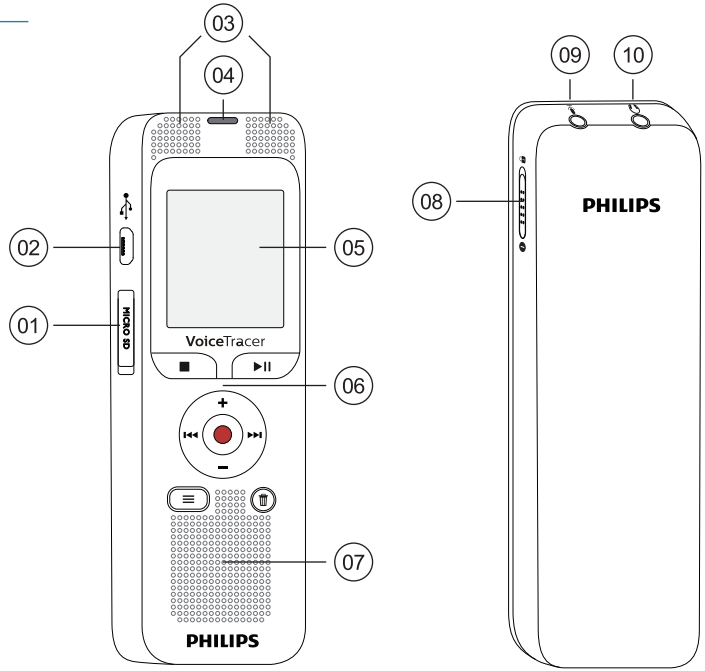
06 按鍵式操作面板

07 喇叭

08 開機 / 關機鍵、按鍵鎖

09 外部麥克風插口 / Line - in 接口

10 耳機插口



3. 3. 2 按鍵

01 ≡ 目錄 (MENU鍵)

02 ＋ 增加音量；目錄選項選擇功能

⏭ 短按：跳至下一段錄音記錄

目錄瀏覽：顯示下一個目錄選項

按住：快速向前搜尋模式

－ 減小音量；目錄選項選擇功能

⏮ 短按：跳至上一段錄音記錄

目錄瀏覽：顯示上一個目錄選項

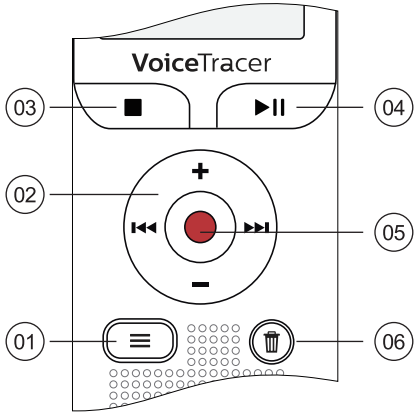
按住：快速向後搜尋模式

03 ■ 停止播放 (停止鍵)；關閉目錄

04 ▶II 播放錄音 (播放鍵)；暫停播放 (暫停鍵)

05 ● 開始錄音；確認選擇

06 🗑 刪除錄音 (刪除鍵)



3.4 螢幕說明

01 HQ 設定錄音質量：SLP - SLP，SP - SP，HQ - HQ，PCM - PCM

02 VA 聲控開啟

03 麥克風靈敏度：L - 低靈敏度 (短距)，H - 高靈敏度 (長距)，
- 外接音源

04 設定重複模式 / 連續循環：- 循環播放文件，
A-B - A - B 複讀設定 / 播放，- 循環播放文件夾，
- 隨機重複模式

05 N.R 降噪開啟

06 電量顯示

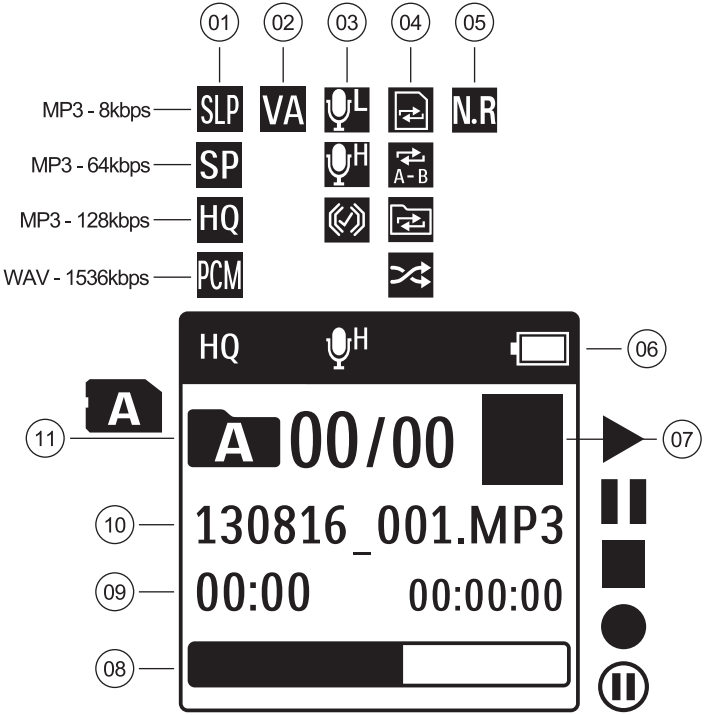
07 ▶ - 播放，❚❚ - 暫停，■ - 停止，● - 錄音，⏸ -暫停錄音

08 當前播放 / 錄音位置指示

09 播放 / 錄音時間 / 剩餘錄音時間

10 當前播放 / 錄音的文件名稱

11 A 所選文件夾，取決於所選儲存介質 (A - 內存，
A - microSD 卡) / 當前錄音數 / 文件夾中錄音總數



3. 4. 1 目錄說明

注意

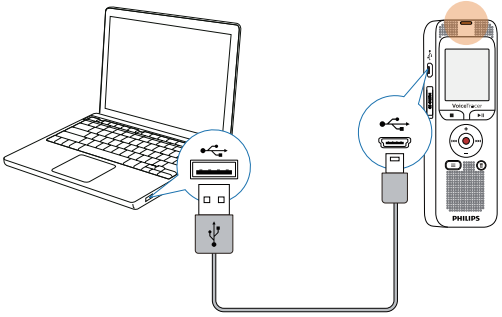
· 在停止模式中按 ☰ 可顯示目錄。
· ⏮ / ⏭ 可選擇不同目錄選項：

文件設定	循環播放
	文件保護
錄音設定	麥克風靈敏度
	錄音品質
	預約錄音
	聲控
	自動分檔
螢幕設定	語言
	對比度
	背光
系統設定	日期 / 時間
	自動關閉
	格式化裝置
	錄音指示燈
	按鍵聲音
	文件位置
	產品資訊
	恢復初始值
收音機設定	保存電台預設

4 開始使用

請根據頁面中的操作指南快速輕鬆使用 DVT-2050。

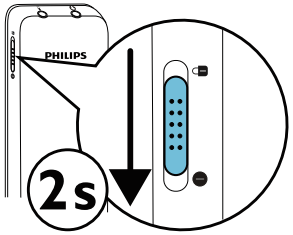
4. 1 充電方式



· 使用 USB 傳輸線將本機與電腦相連接 (或插上電源轉接器) 進行充電。
· 第一次使用，請充電 2 ~ 3 小時，以確保本機有電使用。

4. 2 開機 / 關機

1. 向下滑動側面的電源開關約 2 秒；設備開啟並顯示啟動螢幕。



2. 若要關機，再次下拉側面的電源開關並按住 2 秒，進入關機。

注意

· 如在預先設定的時間內未按下任何鍵，則設備會自動關機。
(請參閱第25頁章節 9. 3. 2 自動關機)

4. 3 首次使用

首次使用時，必須設定設備的顯示語言及日期和時間。

4. 3. 1 語言選擇

參考選擇語言 (請參閱第23頁章節 9. 2. 1 選擇語言) 一章中的說明。

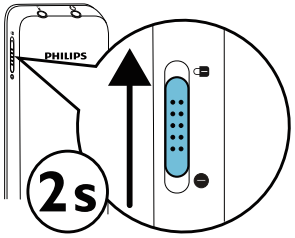
4. 3. 2 設定日期和時間

參考設定日期和時間 (請參閱第24頁章節 9. 3. 1 設定日期和時間) 一章中的說明。

4. 4 啟用 / 禁用按鍵鎖

按鍵鎖禁用設備上的所有鍵；設備的預約錄音功能持續運行。

1. 向上滑動保持開關至 🔒 位置可鎖定設備按鍵；顯示螢幕短暫顯示 🔒 然後關閉。



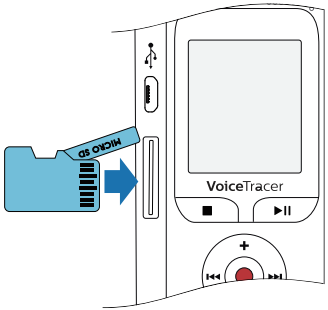
2. 向下滑動保持開關至 ❙ 位置，可解除按鍵鎖。

4. 5 插入 Micro SD卡

小心

· 錄音期間請勿拆卸記憶卡，以免損壞或丟失數據。

1. 往側面掀開記憶卡插槽蓋。
2. 將 Micro SD卡插到卡槽內，晶片接觸面向上。



3. 插入記憶卡直到卡入到位。
4. 如要移除記憶卡，則輕按記憶卡，直到卡緊裝置解鎖并且彈出記憶卡。

注意

· 如要確保本設備將錄音保存到記憶卡上，則必須將文件位置從主機切換到 Micro SD 記憶卡。(請參閱第19頁章節 9. 1. 1 設定文件位置)
顯示螢幕顯示文件夾圖標，它指示當前錄音儲存位置。

A B C D ♫ - 內存。 A B C D ♫ - 記憶卡。

4. 6 附件

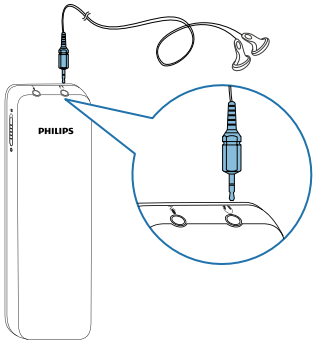
根據設備類型，產品包可包括各種不同附件；其他附件可直接從零售商獲取。

4. 6. 1 連接耳機

警告

· 將音量設定為中等音量，不要長時間使用耳機聆聽；暴露於強聲環境會導致聽力損傷。

1. 插入耳機之前，請調低音量。
2. 將立體聲插頭插入設備頂部的耳機插孔 🎧。
3. 調整音量直到達到舒適的聽力音量；連接耳機後，喇叭會開閉。

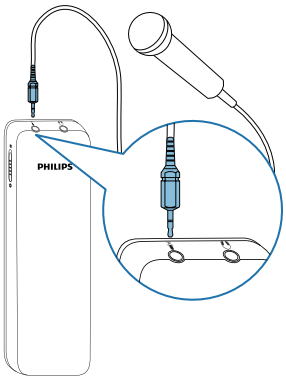


4. 6. 2 連接外部麥克風

注意

· 如設備連接了外部麥克風，則錄音源會自動切換由外部麥克風收入聲音。

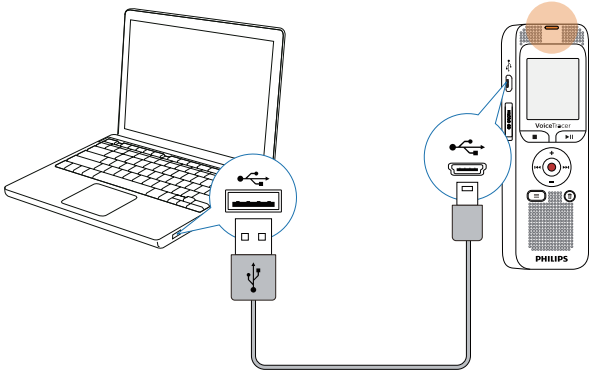
1. 停止當前正在進行的錄音。
2. 將立體聲插頭插入設備頂部的麥克風插孔 🎙。



4.7 連接電腦

錄音筆可作為大容量的 USB 儲存設備，並可方便地將文件進行儲存、備份和移動。可使用 USB 傳輸線將錄音筆與電腦相連，且無須安裝軟體，錄音筆會自動顯示為可移動設備，連接電腦圖標如下圖所示。

1. 將 USB 連接器插到電腦的 USB 端口上。
2. 將 Micro USB 插頭插到設備側部的 USB 端口上；設備在文件資源管理器中顯示為大容量儲存設備。
3. 若要與電腦連線中斷時，從電腦移除裝置：
   (1) 選擇電腦文件資源管理器中的“安全移除裝置”。
   (2) 從電腦拔下 USB 傳輸線。



小心

- 從本機或向本機傳輸文件時，請勿從電腦斷開連線 (正在傳輸數據時，狀態 LED 指示燈以黃色閃爍)。否則可能損壞或毀壞文件。
- 請勿在電腦上格式化本機或記憶卡。

注意

- 本設備支援 WMA 和 MP3 格式的音樂文件，可通過電腦將其傳輸到本設備的 Music 文件夾中。這些文件儲存於設備的 / 文件夾中。
- 本機能夠儲存多達 99 個音樂文件。

5 錄音

本設備提供了多種功能，可在錄音過程中使用或用於提高錄音品質。
亦可使用預約錄音和聲控功能自動開始錄音。

5.1 錄音方法

在開始錄音之前，設定所需的錄音品質和麥克風靈敏度。
當您在噪聲嘈雜的環境 (例如在人群中或在火車或汽車行進期間) 錄音時，可以啟用降噪模式來降低背景噪音。

1. 在語音停止模式下中按 ■ 可選擇所需的文件夾。
   根據所選位置文件夾顯示下列符號：A B C D ♫ - 內存；
   A B C D ♫ - 記憶卡。
2. 將內置麥克風指向聲源並按 ●，開始錄音：
   錄音 / 播放指示燈紅燈點亮；錄音持續時間和剩餘錄音時間顯示於螢幕上。
3. 按 ● 暫停錄音。
   錄音 / 播放指示燈會以紅燈閃爍。
4. 按 ● 鍵可恢復錄音。
5. 按 ■ 鍵可停止錄音；設備返回到停止模式。

注意

- 開始新錄音：如要停止當前錄音及開始新錄音，請按 ▶▶|。
- 為了防止長時間錄音期間文件越來越大，例如持續數小時的會議，您可以選擇自動分割錄音。
- 每個文件夾能夠儲存多達99個文件，儲存大小取決於位置文件夾和錄音質量。如錄音時間或文件數超出可用容量，則錄音停止並顯示警告訊息，您不能繼續錄音，請刪除不再需要的錄音，或將設備連接到電腦並將文件傳輸到電腦上。

提示

- 如要進行長時間錄音，請在開始錄音前完成充電。

5.2 自動錄音

設定預約錄音功能和聲控功能，可活用錄音記錄，在音源穩定、音量夠大時適用。

5.2.1 使用預約錄音功能

您可以使用此功能在指定日期和時間開始錄音。本設備可以從設麥克風或外部麥克風進行錄音。

1. 在 ”設定” 目錄開放及定義預約錄音設定，啟用此功能，本機會在指定時間開始錄音。

5.2.2 使用聲控功能

如啟用聲控錄音，則當您開始講話時會開始錄音；當您停止講話並沉默三秒鐘後，設備會自動暫停錄音，僅當您再次開始講話時，才恢復錄音。

1. 在 ”錄音設定” 目錄內聲控功能內啟用此功能 (請參閱第22頁章節 9.1.6 開啟 / 關閉聲控錄音)，如此功能已啟用，則會顯示 VA 符號。
2. 按 ● 鍵，設備切換至待機模式，此時會顯示 (⏸) 符號，當您開始講話時，開始錄音；當您停止講話並沉默三秒鐘後，設備會自動暫停錄音。
3. 按 ■ 鍵可停止錄音，本機返回到停止聲控模式。

6 播放音檔

6.1 選擇文件

1. 當錄音已停止時，按 ■ 可選擇所需文件夾。根據所選位置文件夾顯示下列符號：A B C D ♫ - 內存；A B C D ♫ - 記憶卡。
2. 按 ▶▶|，至下一文件開頭。
3. 按 |◀◀，至上一文件開頭。

6.2 播放錄音或音樂文件

1. 如上所述選擇所需文件。
2. 按 ▶II 播放所選文件，錄音 / 播放指示燈會以綠燈點亮，顯示螢幕會顯示當前文件的總播放時間。
3. 按 + / − 按鈕來調整音量。
4. 按 ▶II 鍵可暫停播放，此時播放會停止且綠色 LED 指示燈會開始閃爍。
5. 按 ▶II 可從前一位置繼續播放。
6. 按 ■ 鍵可停止播放。

6.3 調整錄音速度

1. 在播放時長按 ≡ 目錄按鍵。
2. 選擇 “ 變速播放” 。
3. 按 + / − 來設定所需的播放速度。
4. 按 ● 進行確認。

6.4 A - B 複讀

1. 播放文件時，輕按錄音鍵 ●，表示選擇複讀的起點「A」，此時出現複讀符號 A-B，文件繼續播放到期望進行複讀的終點時，再按一次該鍵，表示選擇 B 點，此時「B」停止閃動，本機開始自動複讀 A - B 段之間的內容。
2. 複讀中再按一次錄音鍵 ● 或停止鍵 ■，即可自動取消複讀。

6.5 循環播放

1. 在停止模式下，按 ≡ 目錄按鍵。
2. 按 ⏮ / ⏭ 來選擇文件設定 □。
3. 按 ● 進行確認。
4. 按 + / − 選擇“循環播放”功能。
5. 按 ● 進行確認。
6. 按 + / − 自動重複播放某個錄音 / 文件或文件夾，將顯示選定重複模式符號：

   - 重複播放某一文件。
   - 重複播放某一文件夾中所有文件。
   - 重複播放 A - B 複讀的內容。
   - 隨機播放文件。

6.6 保護錄音 / 鎖定文件

1. 選擇所需文件。
2. 按 ≡ 鍵。
3. 按 ⏮ / ⏭ 來選擇文件設定 □。
4. 按 ● 進行確認。
5. 按 + / − 選擇“文件保護”功能。
6. 按 ● 進行確認。
7. 按 + / − 進行選擇「開啟」。
8. 按 ● 進行確認。
9. 此時設定完成。

6.7 取消保護 / 解鎖文件

1. 選擇所需文件。
2. 按 ≡ 鍵。
3. 按 ⏮ / ⏭ 來選擇文件設定 □。
4. 按 ● 進行確認。
5. 按 + / − 選擇文件保護功能。
6. 按 ● 進行確認。
7. 按 + / − 進行選擇「關閉」。
8. 按 ● 進行確認。
9. 此時設定完成。

7 刪除

您可以刪除設備上的單個錄音或文件夾中的所有錄音。

7.1 刪除錄音檔案

您可以從設備中刪除單個錄音，如果要刪除多個文件，則將設備連接到電腦。

小心

· 僅刪除不再需要的錄音。切記，所刪除的錄音無法恢復。

1. 在停止模式按 ■ 選擇要刪除其中錄音的文件夾。
2. 按 ⏮ / ⏭ 來選擇希望刪除的錄音。
3. 長按刪除鍵 🗑。
4. 按 ✚ / ━ 選擇刪除文件。
5. 按 ● 進行確認。
6. 使用 ✚ / ━ 選擇「確定」。
7. 按 ● 確認刪除，錄音已刪除，自動重新分配順序文件編號。

7.2 刪除文件夾所有錄音

您可以刪除選定文件夾中的所有錄音，如果要重新命名整個文件夾，則將設備連接到電腦。

1. 在停止模式按 ■ 選擇要刪除其中所有錄音的文件夾。
2. 長按刪除鍵 🗑。
4. 按 ✚ / ━ 選擇刪除全部。
5. 按 ● 進行確認。
6. 使用 ✚ / ━ 選擇「確定」。
7. 按 ● 確認刪除，該文件夾中的所有錄音已刪除，其中的錄音將重新排序。

8 收音機

注意

· 耳機是設備的天線，當耳機已連接到設備時，才可使用無線電接收。

8. 1 收音機模式

1. 將耳機連接到設備。
2. 在停止模式，按 ☰。
3. 按 ⏮ / ⏭ 選擇收音機設定 📻。
4. 按 ● 進行確認。
5. 按 ⏮ / ⏭ 選擇所需頻率，或者長按 ⏮ / ⏭ 開始搜索下一個電台。
6. 按 ＋ / － 按鈕來調整音量。
7. 按 ☰ 關閉收音機，退回目錄畫面。

8. 2 保存電台預設

收音機可以預設儲存多達 20 個電台。

8. 2. 1 自動保存電台

1. 收音機模式中按錄音鍵 ●。
2. 按 ＋ / － 選擇自動搜索電台功能。
3. 按 ● 進行確認，設備自動搜索並在預設中自動儲存無線電頻率。

8. 2. 2 手動保存電台

1. 在收音機模式中按 ⏮ / ⏭ 選擇所需頻率，或者按住 ⏮ / ⏭ 開始搜索下一個電台。
2. 按 ●。
3. 按 ＋ / － 選擇保存電台功能。
4. 按 ● 進行確認。
5. 按 ＋ / － 選擇電台預設。
6. 按 ● 在預設中保存所選電台。

8. 2. 3 刪除預設電台

1. 按 ⏮ / ⏭ 來選擇希望刪除的電台。
2. 按 ●。
3. 按 ＋ / － 選擇刪除電台功能。
4. 按 ● 進行確認。

8. 3 從 FM 收音機錄音

您可以對 FM 收音機進行錄音。

1. 啟動收音機，然後選擇希望錄音的電台。
2. 按 ●。
3. 按 ＋ / － 選擇“電台錄音”。
4. 按 ● 暫停錄音。
5. 按 ■ 鍵可停止錄音。

9 系統設定

當錄音或播放停止時，按住 ☰ 鍵至少兩秒進入設定目錄。

9.1 錄音設定

9.1.1 設定文件位置

螢幕顯示文件夾圖標，它指示當前錄音儲存位置。

A B C D ♫ - 內存；A B C D ♫ - 記憶卡。

1. 在停止模式下，按 ☰。
2. 按 ⏮ / ⏭ 來選擇系統設定 ⚙。
3. 按 ✚ / ━ 選擇 “ 文件位置 ” 功能。
4. 按 ● 進行確認。
5. 按 ✚ / ━ 來選擇希望將各文件保存到主機內存或 Micro SD卡。
6. 按 ● 進行確認。
7. 按 ■ 鍵可退出此項目。

提示

· 按 ■ 鍵可取消操作，不必保存，便可返回到停止模式。

9.1.2 設定錄音品質

錄音質量越高，文件越大，所能建立的錄音數越少。

1. 在停止模式下，按 ☰。
2. 按 ⏮ / ⏭ 鍵來選擇錄音設定項目 🎙。
3. 按 ✚ / ━ 選擇錄音品質設定功能。
4. 按 ● 進行確認。
5. 按 ✚ / ━ 選擇所需錄音質量，此時會顯示所選錄音質量設定圖標。
   - PCM - 最高質量、未壓縮、格式：WAV, 1536kbit/s
   - HQ - 高音質格式：MP3, 128kbit/s
   - SP - 中音質格式：MP3, 64kbit/s
   - SLP - 低音質格式：MP3, 8kbit/s；最長錄音時間。
6. 按 ● 進行確認。
7. 按 ■ 鍵可退出此項目。

提示

· 按 ■ 鍵可取消操作，不必保存，便可返回到停止模式。

9. 1. 3 設定麥克風靈敏度

您可以自定義麥克風設定以滿足錄音條件，調整錄音靈敏度，以避免錄音背景噪音及適應錄音環境。

1. 在停止模式下，按 ☰。
2. 按 ⏮ / ⏭ 鍵來選擇錄音設定項目 🎙。
3. 按 ● 進行確認。
4. 按 ✚ / ━ 選擇麥克風靈敏度功能。
5. 按 ● 進行確認。
6. 按 ✚ / ━ 選擇所需錄音質量。
   - 高靈敏度，音源遠。
   - 低靈敏度，音源近。
7. 按 ● 進行確認。
8. 按 ■ 鍵可退出此項目。

提示

· 按 ■ 鍵可取消操作，不必保存，便可返回到停止模式。

9. 1. 4 啟用 / 停用降噪

當您在嘈雜的環境 (例如：在人群中或火車或汽車行進間) 錄音時，可以啟用降噪功能來降低背景噪音。

1. 在停止模式下，按 ☰。
2. 按 ⏮ / ⏭ 鍵來選擇錄音設定項目 🎙。
3. 按 ✚ / ━ 選擇錄音品質設定功能。
4. 選擇 N. C Mode，按 ● 進行確認，即啟用降噪功能。
   (若要停用則進行其他聲音模式選擇，例：HQ mode)
5. 按 ■ 鍵可退出此項目。
6. 錄音時，如功能已啟用，則會顯示 N.R 符號。

注意

· 降噪功能只可用於 PCM 錄音質量 PCM。
  如果打開降噪功能，設備就會自動切換到 PCM 錄音質量 PCM。

9. 1 .5 設定預約錄音

您可以使用此功能在指定日期和時間開始錄音，本設備可以從設備麥克風或外部麥克風進行錄音。

1. 在停止模式下，按 ☰。
2. 按 ⏮ / ⏭ 鍵來選擇錄音設定項目 🎙。
3. 按 ● 進行確認。
4. 按 ✚ / ━ 選擇預約錄音功能。
5. 按 ● 進行確認。
6. 按 ✚ / ━ 選擇設定開始功能。
7. 按 ● 進行確認。
8. 按 ✚ / ━ 選擇預約日期功能。
9. 按 ● 進行確認。
10. 如 (請參閱第24頁章節 9. 3. 1 設定日期和時間)所述設定日期。
11. 按 ● 進行確認。
12. 按 ✚ / ━ 選擇預約時間功能。
13. 按 ● 進行確認。
14. 如 (請參閱第24頁章節 9. 3. 1 設定日期和時間)所述設定時間。
15. 按 ● 進行確認。
16. 按停止鍵 ■ 。
17. 按 ✚ / ━ 選擇預錄長度功能來設定錄音時長。
18. 按 ● 進行確認。
19. 按 ✚ / ━ 設定所需錄音時長，30分/60分/120分/沒有限制。
20. 按 ● 進行確認。
21. 按 ✚ / ━ 來選擇錄製來源功能設定聲源。
22. 按 ● 進行確認。
23. 按 ✚ / ━ 選擇設備是從內部麥克風還是外部聲源進行錄音。
24. 按 ● 進行確認。
25. 按停止鍵 ■ ，設備會在指定時間開始錄音。

提示

· 按 ■ 鍵可取消操作，不必保存，便可返回到停止模式。

9. 1. 6 開啟 / 關閉聲控錄音

如開啟聲控錄音，則當您開始講話時開始錄音，當您停止講話並沉默三秒鐘後，設備會自動暫停錄音，僅當您再次開始講話時，才恢復錄音。

1. 在停止模式下，按 ☰。
2. 按 ⏮ / ⏭ 鍵來選擇錄音設定項目 🎙。
3. 按 ● 進行確認。
4. 按 ＋ / － 選擇聲控功能。
5. 按 ● 進行確認。
6. 按 ＋ / － 選擇開啟聲控錄音。
7. 按 ● 進行確認。
8. 如此功能已開啟，則會顯示 VA 符號。
9. 按 ＋ / － 選擇功能關閉聲控錄音。

提示

· 按 ■ 鍵可取消操作，不必保存，便可返回到停止模式。

9. 1. 7 設定自動分檔

您可以自動切分長時間錄音，如數小時會議錄音，一旦達到設定時間，則設備會停止當前錄音並自動開始新錄音。

1. 在停止模式下，按 ☰。
2. 按 ⏮ / ⏭ 鍵來選擇錄音設定項目 🎙。
3. 按 ● 進行確認。
4. 按 ＋ / － 選擇自動切分功能。
5. 按 ● 進行確認。
6. 按 ＋/ － 來選擇希望每隔30分鐘還是60分鐘分段錄音，還是希望關閉此功能。
7. 按 ■ 鍵可退出此項目。

提示

· 按 ■ 鍵可取消操作，不必保存，便可返回到停止模式。

9. 2 螢幕設定

9. 2. 1 選擇語言

1. 在停止模式下，按 ☰。
2. 按 ⏮ / ⏭ 鍵來選擇螢幕設定項目 🖵。
3. 按 ● 進行確認。
4. 按 ✚ / ━ 選擇語言功能。
5. 按 ● 進行確認。
6. 按 ✚ / ━ 鍵選擇所需的顯示語言。
7. 按 ● 進行確認。
8. 按 ■ 鍵可退出此項目。

提示

· 按 ■ 鍵可取消操作，不必保存，便可返回到停止模式。

9. 2. 2 調整顯示對比度

1. 在停止模式下，按 ☰。
2. 按 ⏮ / ⏭ 鍵來選擇螢幕設定項目 🖵。
3. 按 ● 進行確認。
4. 按 ✚ / ━ 選擇對比度功能。
5. 按 ● 進行確認。
6. 按 ✚ / ━ 鍵選擇所需螢幕顯示對比度 (1 - 11)。
7. 按 ● 進行確認。
8. 按 ■ 鍵可退出此項目。

提示

· 按 ■ 鍵可取消操作，不必保存，便可返回到停止模式。

9. 2. 3　開啟 / 關閉背光

1. 在停止模式下，按 ☰。
2. 按 ⏮ / ⏭ 鍵來選擇螢幕設定項目 🖵。
3. 按 ● 進行確認。
4. 按 ✚ / ━ 選擇背光功能。
5. 按 ● 進行確認。
6. 按 ✚ / ━ 選擇下列設定，8秒 / 20秒 / 常亮。
7. 按 ● 進行確認。
8. 按 ■ 鍵可退出此項目。

提示

· 按 ■ 鍵可取消操作，不必保存，便可返回到停止模式。

9. 3　系統設定

9. 3. 1　設定日期和時間

1. 在停止模式下，按 ☰。
2. 按 ⏮ / ⏭ 鍵來選擇設備設定項目 ⚙。
3. 按 ● 進行確認。
4. 按 ✚ / ━ 鍵選擇日期 / 時間功能。
5. 按 ● 進行確認。
6. 按 ✚ / ━ 鍵選擇設置時間功能。
7. 按 ● 進行確認。
8. 按 ✚ / ━ 切換 12 / 24 小時系統。
9. 按 ● 進行確認。
10. 按 ✚ / ━ 選擇設定日期功能。
11. 按 ✚ / ━ 設定年份。
12. 按 ⏭。
13. 按 ✚ / ━ 設定月份。
14. 按 ⏭。
15. 按 ✚ / ━ 設定日期。
16. 按 ● 進行確認。
17. 按 ✚ / ━ 選擇設定日期功能。
18. 按 ● 進行確認。
19. 按 ✚ / ━ 設定小時。
20. 按 ⏭。
21. 按 ✚ / ━ 設定分鐘。
22. 按 ● 進行確認。
23. 按 ■ 鍵可退出此項目。

提示

· 按 ■ 鍵可取消操作，不必保存，便可返回到停止模式。

9. 3. 2　自動關機

如在預先設定的時間內未按下任何鍵，則設備會自動關機，可更節省電源。

1. 在停止模式下，按 ☰。
2. 按 ⏮ / ⏭ 鍵來選擇設備設定項目 ⚙。
3. 按 ● 進行確認。
4. 按 ＋ / － 選擇自動關閉功能。
5. 按 ● 進行確認。
6. 按 ＋ / － 指定設備是否在不活動 5、15、30 或 60分鐘後自動關機。
7. 按 ● 進行確認。
8. 按 ■ 鍵可退出此項目。

9. 3. 3　開啟 / 關閉按鍵音

1. 在停止模式下，按 ☰。
2. 按 ⏮ / ⏭ 鍵來選擇螢幕設定項目 ⚙。
3. 按 ● 進行確認。
4. 按 ＋ / － 選擇按鍵聲音功能。
5. 按 ● 進行確認。
6. 按 ＋ / － 開啟 / 關閉按鍵音。
7. 按 ● 進行確認。
8. 按 ■ 鍵可退出此項目。

10　附錄

10. 1　常見問題

問題	可能原因 / 解決方案
主機不能開啟	· 電池無電量。 → 請進行充電。
主機不能播放錄音	· 鍵盤鎖可能已啟用。 → 請將 ”上鎖 ” 開關滑至 Off 位置。 · 設備中未保存任何錄音。
開機時按鍵不靈敏	· 開機時，請按下開機鍵 2秒以上至本機完全啟動後，再進行其他按鍵操作。
從耳機中聽不到任何聲音	· 耳機連接不正確。 → 檢查耳機連接。
從喇叭中聽不到任何聲音	· 設備已連接耳機。 · 音量處於最低設定。
外部麥克風僅錄制單聲道聲音	· 將外部聲源切換至立體聲麥克風。
儲存空間變少	· 長時間的使用及進行刪除等操作後，會使機內記憶體產生碎片；只需連接電腦，將資料備份後進行格式化，就可釋放全部的儲存空間。

問題	可能原因 / 解決方案
不能開始錄音	· 預錄音或聲控錄音模式可能已啟用。 · 鍵盤鎖可能已啟用。 → 請將 ”上鎖 ” 開關滑至 Off 位置。 · 最大錄音數可能已達到或者錄音可用空間已滿。 → 請刪除某些錄音或將其移動到外部設備上。 → 選擇其他位置文件夾。
Micro SD卡不能選作錄音保存位置	· 設備中無記憶卡。 → 請將設備插入記憶卡。 · 記憶卡未格式化 (FAT32 文件系統) → 在設備中格式化記憶卡。
有些時候在插拔播放機時，會引起電腦端的異常	· 檔案傳輸中插拔USB造成的，建議用戶在檔案傳輸過程中或者格式化過程中，不要斷開連接，以免引起電腦端異常。
有些MP3歌曲無法在播放機正常播放或不能開機	· 嚴格意義上，MP3是指MPEG I Layer3標準壓縮出的音樂檔，目前絕大多數MP3歌曲格式，可以用電腦刪除不相容歌曲，就可以正常操作。
播放大容量錄音檔選曲反應慢	· 在選到大容量錄音檔時相對反應慢，系統識別此檔。如200MB錄音檔，需要15秒左右時間，檔案越大越慢。

溫馨提醒：本機在停止使用 3個月後需重新充足電量再使用

10. 2 產品參數

DVT2050	
尺寸 (W x H x D)	37 x 108 x 14mm
重量	55g
電池	鋰電池 800mA
USB 連接	高速微型 USB 2.0
USB 輸入	USB 5V / DC, 500mA
麥克風連接	3.5mm 立體聲插口
耳機連接	3.5mm 立體聲插口
螢幕顯示	23 x 23mm 分辨率 112 x 112像素
內存	8GB NAND - Flash
記憶卡	Micro SD 卡 最多 32GB SDHC 適於 Class 6 或更高
錄音格式	PCM - WAV, 1536 kb/s HQ - MP3, 128 kb/s SP - MP3, 64 kb/s SLP - MP3, 8 kb/s
音樂播放	MP3, WMA 比特率 8 ~ 320 kbps 無 DRM
喇叭功率	頻率範圍 750 ~ 18000 Hz 輸出 110 mW

錄音時間	PCM - 12h HQ - 148h SP - 297h SLP - 2370h
收音機	FM 立體聲 頻率範圍 87.5 ~ 108 MHz 儲存容量 20 個電台
系統要求	操作系統 Windows 8, 7, Vista, XP (32bit SP2), MasOS X 10.8, Linux
溫度	5°C ~ 45°C / 41°F ~ 113°F
濕度	10% ~ 90%
製造年份	依產品機身標示
製造號碼	依產品機身標示

設備名稱：數位錄音筆 型號(形式)：DVT-2050
Equipment Name Type Designation(Type)

單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛Lead (Pb)	汞Mercury (Hg)	鎘Cadmiun (Cd)	六價鉻 Hexavalent chromiun (Cr^{+6})	多溴聯苯 Polybrominated biphenyls (PBB)	多溴聯苯 Polybrominated diphenyl ethers (PBDE)
電路板	○	○	○	○	○	○
塑膠外殼	○	○	○	○	○	○
金屬外殼	○	○	○	○	○	○
麥克風	○	○	○	○	○	○
喇叭	○	○	○	○	○	○
顯示螢幕	○	○	○	○	○	○
USB傳輸線	○	○	○	○	○	○
耳機	○	○	○	○	○	○

備考1.：” 超出0.1 wt %” 及” 超出0.01 wt %” 係指限用物質之百分比含量超出百分比基準值。

Note 1 : ”Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricteds the reference percentage value of presence condition.

備考2.：” ○ ” 係指該項限用物質之百分比含量未超出百分比含量基準值。

Note 2 : “ ○ ” indicates that the percentage content of the restried substance does not exceed the percentage of reference value ofpresence.

備考3.：” — ” 係指該項限用物質為排除項目。

Note 3 : The ” — ” indicates that the restricted substance corresponds to the exemption.

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1 Important safety information

Do not make any adjustments and modifications that are not described in this manual. Follow all safety instructions to ensure proper operation of the device. The manufacturer assumes no liability for damages resulting from non-compliance with the safety instructions.

1.1 Safety instructions

- Protect the device from rain or water to prevent a short circuit.
- Do not expose the device to excessive heat caused by placing it on a heating device or in direct sunlight.
- Protect the cables from damage by being trapped, particularly at the plugs and where cables exit the housing.
- Back up your data and recordings. The manufacturer cannot be held responsible for any loss of data.
- Do not perform any maintenance operations that are not described in this user manual. Do not disassemble the device into its component parts to carry out repairs. The device may only be repaired in authorised service centres.

1.1.1 Rechargeable built-in battery

- Do not attempt to replace the battery yourself. The battery may only be replaced in authorized service centers.
- Before your battery is replaced by an authorized service center, back up your data and recordings.
- Batteries contain substances that may pollute the environment.

Used betteries should be disposed of at an official collection point.

1.1.2 Memory cards

- The device supports microSD memory cards up to 32GB in capacity. (optimised for class 6 or higher)
- Make sure that the card has a sufficiently high data transfer rate. The manufacturer makes no guarantee for trouble free operation.
- Formatting a memory card erases all data on the card. The memory card must always be formatted in the device to ensure that the format is correct. Formatting the memory card using a computer can lead to eventual errors when reading or writing data.

1.1.3 Hearing protection

Observe the following guidelines when using headphones:

- Set the volume to a moderate level and do not use headphones to listen for excessively long periods of time.
- Be particularly careful to avoid adjusting the volume to a level that your hearing cannot deal with.
- Do not turn the volume up so high that you cannot hear what is going on around you.
- In potentially dangerous situations you must be very careful, or temporarily discontinue use.
- Do not use headphones while operating a motorised vehicle, cycling, or skateboarding, etc. You could be a hazard to yourself and other road users, and possibly be breaking the law.

1.1.4 Maximum sound power

- The manufacturer guarantees compliance with the maximum sound power of its audio players as determined by relevant regulatory bodies, but only with the original model of headphones supplied. If you need to replace these headphones, we recommend contacting your dealer to order the respective original Philips model.

1.1.5 Legal restrictions on recording

- The use of the device's recording function is subject to the legal restrictions that may apply in your country. You should also respect the privacy and personal rights of the third parties if you record talks or lectures.
- Please note that, in certain countries, you may be legally required to inform the person you are conversing with on the telephone that you are recording the conversation, or that the recording of telephone conversations is illegal. Please check if the use of such data is legal in your country prior to recording telephone calls.

2 About this user manual

You can find a quick overview of your device in the following pages. For detailed description, see the following chapters of this user manual. Read this user manual carefully.

2.1 Symbols used

Tip

- This symbol identifies information that helps you to use your device more efficiently and simply.

Note

- This symbol indicates notices which you must observe when handling or operating the device.

Caution

- This symbol warns of damage to the device and possible data loss. Damage can be caused by improper handling.

Warning

- This symbol warns of danger to persons. Bodily injury or damage could be caused by improper handling.

3 Digital Voice Tracer

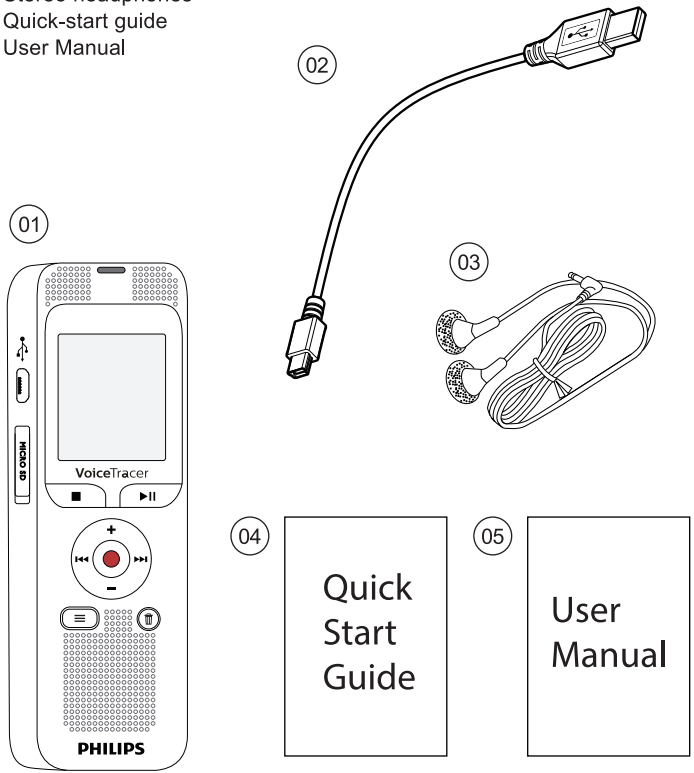
We are delighted that you have chosen a Philips device. Visit our website for comprehensive support such as user manuals, software downloads, warranty information and much more: www.philips.com/dictation.

3.1 Product highlights

- Voice-activated recording mode without pressing buttons
- Slot for microSD card for extra memory
- Noise reduction for clear recordings
- Stereo recording

3.2 What's in the box

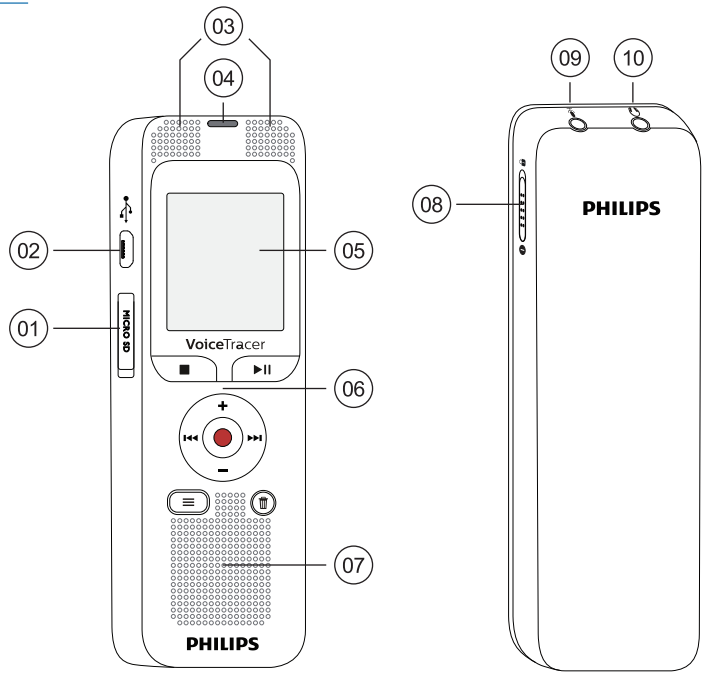
1. Device
2. USB cable to connect to a computer
3. Stereo headphones
4. Quick-start guide
5. User Manual



3.3 Product overviews

3.3.1 Front and rear sides

01 Slot for memory card (microSD card)
02 Micro USB port for computer connection
03 Microphone
04 Status LED:
Red - device is recording
Green - device is playing back
Yellow - data is being transferred to / from the computer
05 Display
06 Operating panel with keys
07 Speaker
08 Power on / off key keypad lock
09 Headphone socket (stereo jack, 3.5mm)
10 External microphone socket, line-in socket (stereo jack, 3.5mm)



3.3.2 Keys

01 ≡ Call up menu functions (menu key)

02 + Increase volume, menu navigation: Select menu functions

⏭ Short press: jump to the next index mark

Menu navigation: display next menu tab

Long press: fast seek forward mode

− Volume down, menu navigation: Select menu functions

⏮ Short press: jump to the previous recording

Menu navigation: display previous menu tab

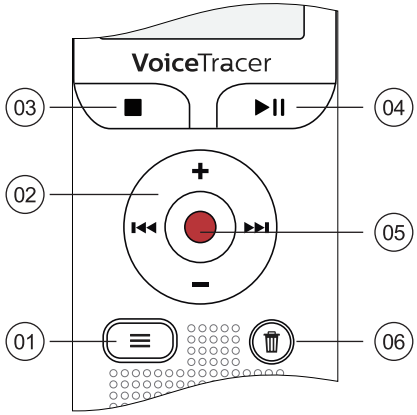
Long press: fast seek rewind mode

03 ■ Stop playback (stop key), close menu

04 ▶II Play recording (playback key), Pause playback (pause key)

05 ● Start recording (record key), confirm selection

06 🗑 Delete recording (delete key)



3.4 Start-up screen

01 HQ Set recording quality: SLP - LP, SP - SP, HQ - HQ, PCM - PCM

02 VA - Voice activation switched on

03 Microphone sensitivity: L - Low sensitivity (shorter distance),
H - High sensitivity (longer distance),
- Line-in source

04 Set repeat mode / continuous loop: - Repeat file playback,
A-B - Repeat selection / sequence, - Repeat folder playback,
- Random repeat mode

05 N.R - Noise reduction on

06 - Battery charge level

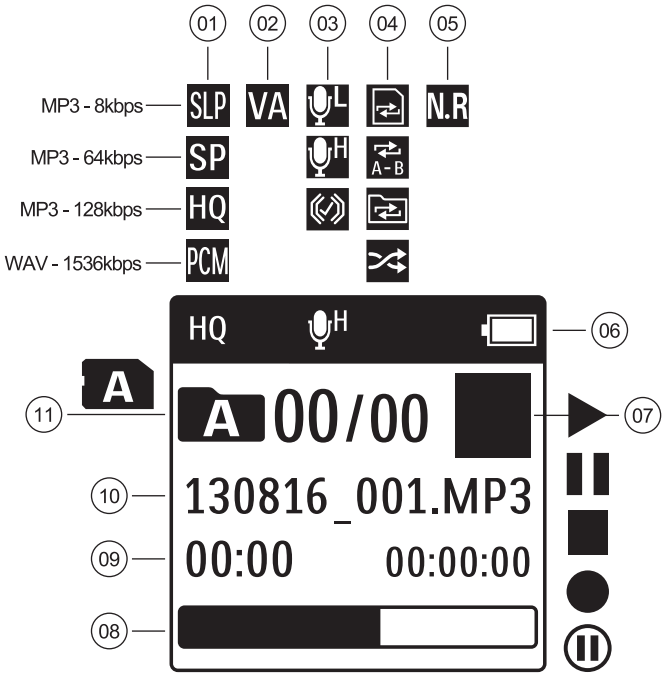
07 ▶ - Playback, ❚❚ - Pause, ■ - Stop, ● - Record,
⏸ - Pause record

08 Position indicator of current playback / recording

09 Playback / recording time / remaining recording time

10 File name of current playback / recording

11 A Selected folder, depending on the selected sttorage medium
(A - internal memory, A - microSD card) / Number of the current recording / Total number of recordings in the folder



Note

- The position of the symbols may vary, depending on the model, the mode and the selected functions.

3.4.1 Menu overview

Note

- In stop mode (start-up screen), press ≡ the menu key to call the menu.
- Press ⏮ / ⏭ to select one of the following menus: 🗋 🎙 🖵 ⚙ 📻

File menu	Repeat a file / repeat a sequence
	Protecting a recording / lock file
Recording settings	Setting microphone sensitivity
	Setting recording quality
	Setting the timer
	Enabling / disabling voice-activated recording
	Setting auto divide
Display settings	Select language
	Adjusting the display contrast
	Enabling / disabling the background light
Device settings	Set date & time
	AUTO-OFF
	Memory formatting
	Enabling / disabling the record indicator
	Enabling / disabling key and signal tones
	Set file location
	Display device information
	Device reset
Radio settings	Saving a radio station pre-set

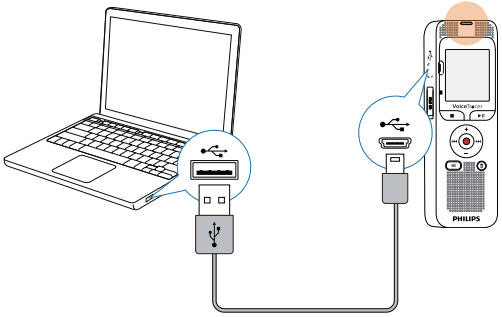
4 First steps

Use the installation guide on the following pages to start using your device quickly and easily.

Caution

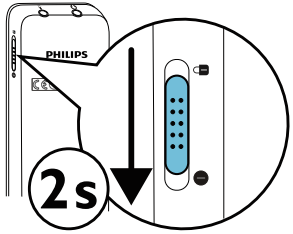
- Follow the instructions on handling the device.

4.1 Charging the battery



4.2 Power on / off

1. Slide the on / off switch on the side of the device downwards for approximately two seconds.
   → The device turns on and the start-up screen is displayed.



2. To power off, pull down the power switch on the side of the device again and hold for about two seconds.

Note

- The device switches itself off automatically if no key is pressed within a pre-set period of time (see also chapter 9.3.2 AUTO- OFF, page52).

4.3 Initial installation process

When using for the first time, you must set the display language as well as the date and time of the device.

4.3.1 Language selection

Follow the description in the chapter "Select language" .
(see also chapter 9.2.1 Select language, page50)

Note

- Your language might not be available. Select an alternative one.

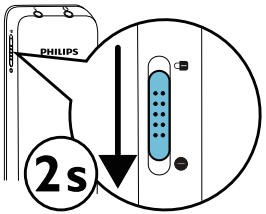
4.3.2 Set date & time

Follow the description in the chapter "Set date & time".
(see also chapter 9.3.1 Set date & time, page51)

4.4 Enabling / disabling the keypad lock

The keypad lock deactivates all keys on the device. The timer function of the device continues to function.

1. Slide the on / off switch switch up into the 🔒 position to lock the keypad of the device.
   → The display briefly shows 'Hold'.



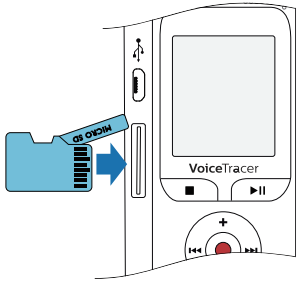
2. Slide the Power on / off switch down to the Off position to disengage the keypad lock.

4.5 Inserting a microSD card

Caution

- Do not remove the memory card while recording is in progress. If you do this, data may be damaged or lost.

1. Flip the memory card slot cover to the side.
2. Insert the microSD card into the card slot with the contacts facing upwards.



3. Insert the memory card until it snaps into place.
4. To remove the card press the memory card slightly until the snapping mechanism unlocks and the card is ejected.

Note

- To ensure that the device stores the recordings on the memory card, you must switch from the internal memory to microSD memory card (see also chapter 9.1.1 Set file location, page47). The display shows a folder icon which indicates where the recordings are currently being stored: A B C D ♫ - internal memory, A B C D ♫ - memory card.

4.6 Accessories

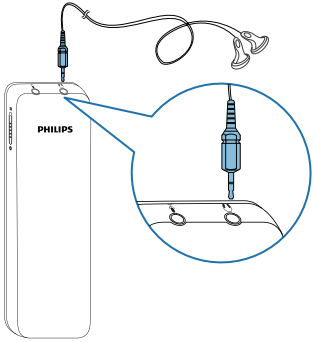
Depending on the type of the device, the product package may include various accessories. Additional accessories may be obtained directly from your retailer.

4.6.1 How to connect headphones

Warning

- Set the volume to a moderate level and do not use headphones to listen for excessively long periods of time. Exposure to intense sound can cause hearing damage. Observe the Hearing safety instructions (see also chapter 1.1.3 Hearing protection, page30).

1. Turn down the volume of the device before you plug in the headphones.
2. Insert the stereo jack into the headphone connection on the top of the device.
3. Turn up the volume until you reach a comfortable listening level. The speaker is switched off when headphones are connected.

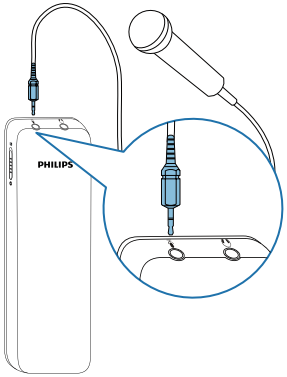


4.6.2 Connecting an external microphone

Note

- If you connect an external microphone to the device, the recording source will switch automatically and the device microphone will turn off.
- If you connect an external microphone, the device will record stereo sound. The integrated microphone only records mono sound.

1. Stop the recording currently in progress.
2. Insert the jack into the microphone connection on the top of the device.

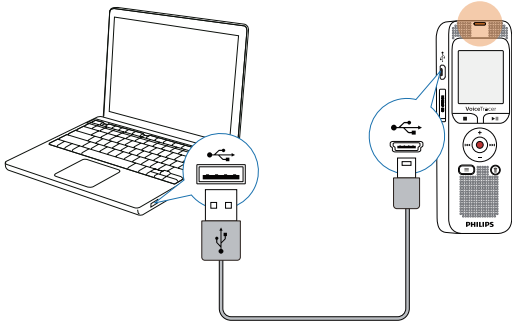


4.7 Connecting to a computer

You can select one of the following options once you have connected the device to a computer

- **A USB mass storage device:** You can use the File Explorer to access the device data without installing additional software. The device is automatically displayed as a mass storage device. It is a convenient way to store, back up and and move files. (see also chapter 4.7.1 Transferring files from or to the device, page40)

1. Plug the USB connector into a USB port on your computer.
2. Insert the micro USB plug into the USB port on the side of the device.
   → The device is displayed as a mass storage device in File Explorer.



Caution

- Do not disconnect the device from the computer while files are transferred from or to the device (the status LED indicator flashes yellow when data is being transferred). This this may damage or corrupt the files.
- Do not format the drive of the device on a computer. If you want to delete all data, use the Format memory function (see also chapter 10.1.2 Memory formatting, page53).

4.7.1 Transferring files from or to the device

You can use the File Explorer to access the device data without installing additional software. The device is automatically displayed as a mass storage device.

1. Connect the device to the computer as described.
2. Open File Explorer.
   → The device is automatically displayed, similarly to a USB memory stick or card, as a mass storage device. Use the Voice folder for recordings and the Music folder for music files.
3. Copy or move files to your computer or delete files to archive recordings and free up space on the device.

Caution

- Do not disconnect the device from the computer while files are transferred from or to the device (the status LED indicator flashes yellow when data is being transferred). This this may damage or corrupt the files.
- Do not format the drive of the device on a computer. If you want to delete all data, use the Format memory function (see also chapter 10.1.2 Memory formatting, page53).

Note

- The device supports music files in the formats WMA and MP3, which can be transferred from the computer to the **Music** folder of the device. The files are located in the A / A folder on the device.
- Files with copy protection (Digital Rights Management, DRM) are not supported.
- The device can store up to 99 music files.

4.7.2 Disconnecting from a computer

1. Select Eject USB in File Explorer.
2. Disconnect the USB cable from the computer.

5 Record

The device offers many features that you can use during recording or to improve the quality of a recording. Use the timer and the voice activation functions to start a recording automatically.

5.1 Creating a recording

Before starting a recording, set the required recording quality and microphone sensitivity.
When you record in environments with lots of noise in the background (e.g. while in a crowd or during a train or car journey), you can enable the noise reduction function to reduce the background noise (see also chapter 9.1.4 Enabling noise reduction, page48).

1. In stop mode (start-up screen), press the ■ key to select the desired folder for the recording.
   → The following symbols will be displayed, depending on the selected location folder: A B C D ♫ - internal memory, A B C D ♫ - memory card.
2. Point the built-in microphone toward the sound source and press ●.
   → The record / play indicator lights red. The recording duration and the remaining recording time are displayed in the selected folder on the display.
3. Press ● to pause recording.
   → The record / play indicator will blink red.
4. Press the ● key to resume recording.
5. Press the ■ key to stop recording.
   → The device returns to stop mode.

Note

- Start a new recording: To stop the current recording and start a new one, press ⏭.
- To prevent files becoming too big during a long recording, for example a meeting lasting several hours, you can automatically split recordings (see also chapter 9.1.7 Setting auto divide, page49).
- Each folder can store up to 99 files. The size of the memory depends on the location folder and the quality of a recording (see also chapter 9.1.2 Setting recording quality, page47).
  If the recording time or the number of files exceeds the available capacity, recording stops and a message is displayed. You cannot make any more recordings. Delete the recordings which you no longer require, or connect the device to a computer and transfer the files to your computer.

Tip

- If you are to start a long recording session, recharge the built-in battery before you begin.

5.1.1 Recording using an external microphone

If you connect an external microphone to the device, the recording source will switch automatically and the device's microphone will be turned off.
If you connect an external microphone, the device will record stereo sound. The integrated microphone only records mono sound.

5.2 Starting recording automatically

You have two options to start automatic recording: Timer function and voice activation.

5.2.1 Use Timer function

You can use this function to start a recording at a specified date and time. The device can record from the device's microphone or an external microphone.

• Customize the timer settings in the Settings menu and turn on the feature (see also chapter 9.1.5 Setting the timer, page48).
→ The device will start recording at a specified time. The device can be switched off at this time or the keypad can be locked.

5.2.2 Use voice activation

When voice-activated recording is enabled, recording will start when you begin speaking. When you stop speaking, the device will automatically pause recording after three seconds of silence, and resume only when you begin speaking again.
Use the voice activation level to set the volume at which the device should begin recording.

1. Customize the voice-activated recording settings in the Settings menu and turn on the feature (see also chapter 9.1.6 Enabling / disabling voice-activated recording, page49).
   → If this feature is on, the VA symbol is displayed.
2. Press the ● key.
   → The devices switches to standby mode. The (⏸) symbol will be displayed. Recording will start when you begin speaking. When you stop speaking, the device will automatically pause recording after three seconds of silence.
3. Press the ■ key to stop recording.
   → The device returns to stop mode.

6 Playback

6.1 Selecting a recording

1. In stop mode (start-up screen), press the ■ key to select the desired folder.
   → The following symbols will be displayed, depending on the selected location folder: A B C D ♫ - internal memory, A B C D ♫ - memory card. (A, B, C and D are recording folders, the A / A folder contains music files).
2. Press ⏭ while the device is stopped.
   → The position indicator jumps to the start of the next file.
3 Press ⏮ while the device is stopped.
   → The position indicator jumps to the start of the preceding recording.

Note

- The device supports music files in the formats WMA and MP3, which can be transferred from the computer to the **Music** folder of the device. The files are located in the ♫ / ♫ folder on the device.
- Files with copy protection (Digital Rights Management, DRM) are not supported.
- The device can store up to 99 music files.

6.2 Playback a recording or music file

1. Select the required file as described.
2. Press ▶II to playback the selected file.
   → The record/play indicator will light green. The total playback time of the current file will be shown on the display.
3. Press the + / − buttons to adjust the volume.
4. Press the ▶II key to pause playback.
   → The playback will stop and the green LED will start blinking.
5. Press ▶II to continue playback from the previous position.
6. Press the ■ key to stop playback.

Tip

- You can call up the playback mode settings during music playback.

6.3 Adjusting playback speed

1. During playback press and hold **the menu key**.
2. Press + / − to select Play speed.
3. Press the record key ● to confirm.
4. Press + / − to set the desired playback speed.
5. Press the record key ● to confirm.

6.4 Quick search

You can scan backward or forward in the current file at a fast speed. This allows to find a specific part of the recording.

1. During playback press and hold one of the two navigation keys ⏮ or ⏭.
   → The selected recording is searched for at high speed in either forward or rewind mode.
2. Release the key
   → to resume playback at the selected speed form the current position.

6.5 Repeat a file / repeat a sequence

You can automatically repeat playback of a certain file, folder or sequence (=loop).

1. In stop mode (start-up screen), press **the menu key**.
2. Press ⏮ / ⏭ to select the file menu.
3. Press the record key ● to confirm.
4. Press + / − to select the Repeat function.
5. Press the record key ● to confirm.
6. Press + / − to repeat a certain recording / file or a folder automatically.
   → The symbol of the selected repeat mode is displayed on the display:
   - repeat a file
   - repeat all files in a folder
   - repeat a selection / sequence
   ① Press the record key ● to specify the sequence start point.
   ② Press the record key ● again to specify the sequence end point.
   - Random playback
7. Press the record key ● to confirm.
   → Playback of the recording or folder starts.

Tip

- During playback, press the record key ● to call the function repeat selection / sequence directly. Press the record key ● again to specify the sequence start point. Press the record key ● to specify the sequence end point.
- Press the record key ● one more time to end repeating of the sequence.

6.6 Protecting a recording / lock file

You can protect recordings against unintentional deletion.

1. Select the required file as described.
2. Press **the menu key**.
3. Press ⏮ / ⏭ to select the file menu.
4. Press the record key ● to confirm.
5. Press + / − to select the Lock file function.
6. Press the record key ● to confirm.
7. Use + / − Lock to select.
8. Press the record key ● to confirm.

6.7 Unprotect / unlock file

1. Select the required file as described.
2. Press **the menu key**.
3. Press ⏮ / ⏭ to select the file menu.
4. Press the record key ● to confirm.
5. Press + / − to select the Lock file function.
6. Press the record key ● to confirm.
7. Use + / − Unlock to select.
8. Press the record key ● to confirm.

7 Delete

You can delete an individual recording on the device or all the recordings in the folder.

7.1 Deleting recordings on the device

You can delete individual recordings from the device. Connect the device to a computer if you want to delete multiple files.

Caution

- Only delete the recordings that you no longer need. Keep in mind that deleted recordings cannot be recovered.

1. In stop mode (start-up screen) select the folder in which you wish to delete a recording by pressing the ■ key.
2. Press ⏮ / ⏭ to select the recording that you wish to delete.
3. Press the delete key 🗑.
4. Press + / − Delete to select.
5. Press the record key ● to confirm.
6. Use + / − OK to select.
7. Press ● to confirm the deletion.
   → The recording is deleted. Sequential file numbers are reassigned automatically.

7.2 Deleting all recordings in the folder

You can delete all recordings in the selected folder. Connect the device to a computer if you want to rename an entire folder.

1. In stop mode (start screen), select the folder in which you wish to delete all recordings by pressing press the ■ key.
2. Press the delete key 🗑.
3. Press + / − Delete all to select.
4. Press the record key ● to confirm.
5. Use + / − OK to select.
6. Press ● to confirm the deletion.
   → All recordings in the folder are deleted. The numbering of the recordings is renewed.

8 Radio

Note

- The headphones are the device's antenna. Radio reception is only possible if headphones are connected to the device.

8.1 Radio mode

1. Connect the headphones to the device. (see also chapter 4.6.1 How to connect headphones, page39).
2. In stop mode (start-up screen), press **the menu key**.
3. Press ⏮ / ⏭ to select the radio menu 📻.
4. Press the record key ⏺ to confirm.
5. Press ⏮ / ⏭ to select the required frequency. Alternatively: Press and hold ⏮ / ⏭ to start seeking for the next radio station.
6. Press the ➕ / ➖ buttons to adjust the volume.
7. Press **the menu key** to switch off the radio.

8.2 Saving a radio station pre-set

The radio can store up to 20 radio stations in pre-sets.

8.2.1 Saving radio stations automatically

1. In radio mode, press the record key ⏺.
2. Press ➕ / ➖ to select the Auto search function.
3 Press the record key ⏺ to confirm.
   → The device automatically seeks and stores the radio frequencies in the pre-sets. The device can store up to 20 radio stations.

8.2.2 Saving a radio station manually

1. In radio mode, press ⏮ / ⏭ to select the required frequency.
   Alternatively: Press and hold ⏮ / ⏭ to start seeking for the next radio station.
2. Press the ⏺ key.
3. Press ➕ / ➖ to select the Save channel function.
4. Press the record key ⏺ to confirm.
5. Press ➕ / ➖ to select a station pre-set.
6. Press the ⏺ key to save the selected radio station in the pre-sets.

8.2.3 Deleting a pre-set radio station

1. Press ⏮ / ⏭ to select the radio station that you wish to delete.
2. Press the ⏺ key.
3. Press ➕ / ➖ to select Delete or Delete all.
4. Press ⏺ to confirm the deletion.

8.3 Recording from FM radio

You can record FM radio.

1. Start the radio as described, and select the radio station you want to record.
2. Press the ⏺ key.
3. Press ➕ / ➖ FM Record to select.
   → The record / play indicator lights red.
4. Press ⏺ to pause recording.
5. Press the ⏹ key to stop recording.

9 Settings

Press and hold **the menu key** for at least two seconds while the device is stopped (start-up screen) to enter the Settings menu.

Note

- Press the ■ key at the end of an operation to return to the stop mode. Press the ■ key during the operation to cancel the operation without saving and return to the stop mode.

9.1 Recording settings

9.1.1 Set file location

The display shows a folder icon which indicates where the recordings are currently being stored: A B C D ♫ - internal memory, A B C D ♫ - memory card.

1. In stop mode (start-up screen), press **the menu key**.
2. Press ⏮ / ⏭ to select the device settings menu ⚙ .
3. Press + / − to select the Memory select function.
4. Press the record key ● to confirm.
5. Press + / − to select if you want to save the files in the internal memory or on the microSD card.
6. Press the record key ● to confirm.
7. Press the ■ key to exit the menu.

Tip

- Press the ■ key to cancel the operation without saving and return to the stop mode.

9.1.2 Setting recording quality

Use the recording quality settings to set the file format and the quality of the recording as the data rate (bit rate). The higher the recording quality the bigger the file and the less recordings you can create.

1. In stop mode (start-up screen), press **the menu key**.
2. Press the ⏮ / ⏭ key to select the record settings menu 🎙 .
3. Press + / − to select the Quality settings function.
4. Press the record key ● to confirm.
5. Press + / − to select the required recording quality.
   → The selected quality setting icon will be displayed.
   PCM - maximum quality, uncompressed, format: WAV, 1,536 kbit/s
   HQ - high quality, format: MP3, 128 kbit/s
   SP - above-average recording time, format: MP3, 64 kbit/s
   SLP - maximum recording time, format: MP3, 8 kbit/s
6. Press the record key ● to confirm.
7. Press the ■ key to exit the menu.

Tip

- Press the ■ key to cancel the operation without saving and return to the stop mode.

9.1.3 Setting microphone sensitivity

You can customize the microphone settings to suit the recording conditions. Adjust the recording sensitivity to avoid recording background noises and to adapt to the recording environment.

1. In stop mode (start-up screen), press **the menu key**.
2. Press the ⏮ / ⏭ key to select the record settings menu 🎙.
3. Press the record key ● to confirm.
4. Press the + / − key to select the Mic sensitivity function.
5. Press the record key ● to confirm.
6. Press + / − to select the required recording quality.
   → The selected microphone/recording sensitivity icon will be displayed.
   High - high sensitivity, source far away
   Low - low sensitivity, source very near
7. Press the record key ● to confirm.
8. Press the key to exit the menu.

9.1.4 Enabling noise reduction

When you record in environments with lots of background (e.g. while in a crowd or during a train or car journey), you can enable the noise reduction function to reduce the background noise .

1. In stop mode (start-up screen), press **the menu key**.
2. Press the ⏮ / ⏭ key to select the record settings menu 🎙.
3. Press the record key ● to confirm.
4. Press the + / − key to select the Quality settings function.
5. Press the record key ● to confirm.
6. Press + / − to select **N.C Mode**.
7. Press the record key ● to start recording.
   → If this feature is on, the N.R symbol is displayed.

Note

- Noise reduction is only possible with PCM recording quality PCM. If you switch on noise reduction, the device automatically switches to PCM recording quality PCM.

9.1.5 Setting the timer

You can use this function to start a recording at a specified date and time. The device can record from the device's microphone or an external microphone.

1 In stop mode (start-up screen), press **the menu key**.
2 Press the ⏮ / ⏭ key to select the record settings menu 🎙.
3 Press the record key ● to confirm.
4. Press + / − to select the Timer function.
5 Press the record key ● to confirm.
6. Press + / − to select the Set the begin function to set the alarm.
7. Press the record key ● to confirm.
8. Press + / − to select the Set date function.
9. Press the record key ● to confirm.
10. Set the date as described in (see also chapter 9.3.1 Set date & time, page51).
11. Press the record key ● to confirm.
12. Press + / − to select the Set time function.
13. Press the record key ● to confirm.
14. Set the time as described in (see also chapter 9.3.1 Set date & time, page51).
15. Press the record key ● to confirm.
16. Press the stop key ■ .
17. Press + / − to select the Duration function to set the recording duration.

18. Press the record key ● to confirm.
19. Press + / − to set the required recording duration. Press no limit for unlimited recording.
20. Press the record key ● to confirm.
21. Press + / − to select the Record source function to set the sound source.
22. Press the record key ● to confirm.
23. Press + / − to select if the device should record from an internal microphone or an external source.
24. Press the record key ● to confirm.
25. Press the stop key ■.
    → The device will start recording at a specified time.

Tip

- Press the ■ key to cancel the operation without saving and return to the stop mode.

9.1.6 Enabling / disabling voice-activated recording

If voice-activated recording is enabled, recording session will start when you begin speaking. When you stop speaking, the device will automatically pause recording after three seconds of silence, and resume only when you begin speaking again.
Use the voice activation level to set the volume at which the device should begin recording.

1. In stop mode (start-up screen), press **the menu key**.
2. Press the ⏮ / ⏭ key to select the record settings menu 🎙.
3. Press the record key ● to confirm.
4. Press + / − to select the Voice Activation function.
5. Press the record key ● to confirm.
6. Press + / − to select the On function.
7. Press the record key ● to confirm.
   → If this feature is on, the VA symbol is displayed.
8. Press + / − to select the Off function to turn off voice-activated recording.

Tip

- Press the ■ key to cancel the operation without saving and return to the stop mode.

9.1.7 Setting auto divide

You can automatically divide large recordings, such as a multi-hour meeting recording. Once the set time has been reached, the device stops the current recording and automatically starts a new one.

1. In stop mode (start-up screen), press **the menu key**.
2. Press the ⏮ / ⏭ key to select the record settings menu 🎙.
3. Press the record key ● to confirm.
4. Press + / − to select the Auto divide function.
5. Press the record key ● to confirm.
6. Press + / − to select if you want to record to a new file every 30 or 60 minutes, or turn off this feature.
7. Press the record key ● to confirm.
8. Press the ■ key to exit the menu.

Tip

- Press the ■ key to cancel the operation without saving and return to the stop mode.

9.1.8 Enabling / disabling the record indicator

This function allows you to switch off the status LED.

1. In stop mode (start-up screen), press **the menu key**.
2. Press ⏮ / ⏭ to select the device settings menu ⚙ .
3. Press the record key ● to confirm.
4. Press + / − to select the Record lamp function.
5. Press the record key ● to confirm.
6. Press + / − to enable/disable the LED indicator.
7. Press the record key ● to confirm.
8. Press the ■ key to exit the menu.

Tip

- Press the ■ key to cancel the operation without saving and return to the stop mode.

9.2 Display settings

9.2.1 Select language

Note

- Your language might not be available. Select an alternative one.

1. In stop mode (start-up screen), press **the menu key**.
2. Press the ⏮ / ⏭ key to select the display settings menu 🖵.
3. Press the record key ● to confirm.
4. Press + / − to select the Language function.
5. Press the record key ● to confirm.
6. Use the + / − keys to select the display language you want.
7. Press the record key ● to confirm.
8. Press the ■ key to exit the menu.

Tip

- Press the ■ key to cancel the operation without saving and return to the stop mode.

9.2.2 Adjusting the display contrast

1. In stop mode (start-up screen), press **the menu key**.
2. Press the ⏮ / ⏭ key to select the display settings menu 🖵.
3. Press the record key ● to confirm.
4. Press ✚ / ━ to select the Contrast function.
5. Press the record key ● to confirm.
6. Press ⏮ / ⏭ to select the required display contrast.
7. Press the record key ● to confirm.
8. Press the ■ key to exit the menu.

Tip

- Press the ■ key to cancel the operation without saving and return to the stop mode.

9.2.3 Enabling / disabling the background light

1. In stop mode (start-up screen), press **the menu key**.
2. Press the ⏮ / ⏭ key to select the display settings menu 🖵.
3. Press the record key ● to confirm.
4. Press ✚ / ━ to select the Backlit function.
5. Press the record key ● to confirm.
6. Press ✚ / ━ to select from the following settings: 8s, 20s, On.
7. Press the record key ● to confirm.
8. Press the ■ key to exit the menu.

- Press the ■ key to cancel the operation without saving and return to the stop mode.

9.3 Device settings

9.3.1 Set date & time

1. In stop mode (start-up screen), press **the menu key**.
2. Press ⏮ / ⏭ to select the device settings menu ⚙.
3. Press the record key ● to confirm.
4. Press ✚ / ━ to select the Date / time function.
5. Press the record key ● to confirm.
6. Press ✚ / ━ to select the Set time format function.
7. Press the record key ● to confirm.
8. Press ✚ / ━ to switch between the 12 / 24-hour system.
9. Press the record key ● to confirm.
10. Press ✚ / ━ to select the Set date function.
11. Press ✚ / ━ to set the year.
12. Press ⏭.
13. Press ✚ / ━ to set the month
14. Press ⏭.
15. Press ✚ / ━ to set the day.
16. Press the record key ● to confirm.
17. Press ✚ / ━ to select the Set time function.
18. Press the record key ● to confirm.
19. Press ✚ / ━ to set the hours.
20. Press ⏭.
21. Press ✚ / ━ to set the minutes.
22. Press the record key ● to confirm.
23. Press the ■ key to exit the menu.

Tip

- Press the ■ key to cancel the operation without saving and return to the stop mode.

9.3.2 AUTO-OFF

The device switches off automatically if no key is pressed within a preset period of time. This saves power.

1. In stop mode (start-up screen), press **the menu key**.
2. Press ⏮ / ⏭ to select the device settings menu ⚙ .
3. Press the record key ● to confirm.
4. Press + / − to select the Auto off function.
5. Press the record key ● to confirm.
6. Press + / − to specify whether the device should turn off automatically after 5, 15, 30 or 60 minutes' inactivity.
7. Press the record key ● to confirm.
8. Press the ■ key to exit the menu.

Tip

- Press the ■ key to cancel the operation without saving and return to the stop mode.

9.3.3 Enabling / disabling key and signal tones

1. In stop mode (start-up screen), press **the menu key**.
2. Press ⏮ / ⏭ to select the device settings menu ⚙ .
3. Press the record key ● to confirm.
4. Press + / − to select the Device sounds function.
5. Press the record key ● to confirm.
6. Press + / − to enable/disable the key and signal tones.
7. Press the record key ● to confirm.
8. Press the ■ key to exit the menu.

Tip

- Press the ■ key to cancel the operation without saving and return to the stop mode.

10 Service

Do not perform any maintenance operations that are not described in this user manual. Do not disassemble the device into its component parts to carry out repairs. The device may only be repaired in authorised service centres.

10.1 Service functions

You can delete individual recordings from the device. Connect the device to a computer if you want to delete multiple files.

10.1.1 Display device information

1. In stop mode (start-up screen), press **the menu key**.
2. Press ⏮ / ⏭ to select the device settings menu ⚙ .
3. Press the record key ● to confirm.
4. Press + / − to select the Information function.
5. Press the record key ● to confirm.
6. Press + / − to select the desired information.
7. Press the record key ● to confirm.
   → The display shows general device-related data: Recording time in the selected memory, remaining recording time in the selected memory, firmware version of the device.
8. Press the stop key ■ to return to the stop mode.

10.1.2 Memory formatting

Caution

- Formatting the memory deletes all recordings and files saved on the device.

You can use this feature to delete all data and format the selected memory.

1. Select the memory that you want to format (internal memory or microSD card memory) (see also chapter 9.1.1 Set file location, page47).
2. In stop mode (start-up screen), press **the menu key**.
3. Press ⏮ / ⏭ to select the device settings menu ⚙ .
4. Press the record key ● to confirm.
5. Press + / − to select the Format memory function.
6. Press the record key ● to confirm.
7. Press + / − to select the memory to be formatted.
8. Press the record key ● to confirm.
9. Use + / − OK to select.
10. Press the record key ● to confirm.

Tip

- Press the ■ key to cancel the operation without saving and return to the stop mode.

10.1.3 Device reset

This function is used to return all settings to the factory defaults. Recordings and files are not deleted.

1 In stop mode (start-up screen), press **the menu key**.
2 Press ⏮ / ⏭ to select the device settings menu ⚙ .
3 Press the record key ● to confirm.
4 Press + / − to select the Reset default function.
5 Press the record key ● to confirm.
6 Use + / − OK to select.
7 Press the record key ● to confirm.
→ All device settings will be reset to the factory defaults. You must reset the display language, date and time (see also chapter 4.3 Initial installation process, page38).

10.2 Troubleshooting

Problem	Possible cause / solution
The device does not turn on	• The built-in battery is empty. → Recharge the battery.
The device does not playback recordings	• The keypad lock may be enabled. → Slide the on / off switch to the " Off " position. • No recordings are saved in the device.
The microSD card cannot be selected as a recording location	• There is no memory card in the device. → Insert a memory card into the device. • The memory card is not formatted (file system FAT32). → Format the memory card in the device.
I cannot hear anything from the speaker	• A headset is connected to the device. • The volume is at the lowest setting.
The recording session does not start	• Pre-recording or voice-activated recording mode may be enabled. • The keypad lock may be enabled. → Slide the on / off switch to the " Off " position. • The maximum number of recordings may have been reached or the available space for recording is full. → Delete some recordings or move them to an external device. → Select another location folder.
I cannot hear anything from the headphones	• The headphones are incorrectly connected. → Check the headphone connection. • The volume is at the lowest setting.
External microphone records mono sound only	• Switch external sound source to stereo microphone.

11 Appendix

The information in this user manual has been produced to the best of our knowledge. It (particularly the technical data) may be modified or updated at any time without prior notice.

11.1 Technical data

Technical data	
Dimensions (W×H×D)	37 x 108 x 14mm
Weight	55g
Batteries	Lithium battery 800mA
USB connection	High-speed 2.0, Micro-USB
USB input	USB 5V / DC, 500mA
Microphone connection	Stereo jack, 3.5mm
Headset connection	Stereo jack, 3.5mm
Display	23 x 23mm Resolution: 112 x 112pixels
Internal memory	NAND-Flash, 8GB
Memory card	microSD card up to 32GB SDHC optimized for class 6 or higher
Recording format	PCM - WAV, 1,536 kbits/s HQ - MP3, 128 kbits/s SP - MP3, 64 kbits/s LP - MP3, 8 kbits/s
Music playback	MP3, WMA Bit rate: 8 ~ 320 kbps no DRM
Speaker	Frequency range: 750 ~ 18,000 Hz Output: 110mW
Recording time Internal storage	PCM - 12h HQ - 148h SP - 297h LP - 2370h
Battery life	> 50h
Sampling rate	PCM - 48kHz HQ - 32kHz SP - 16kHz LP - 8kHz
Radio	FM stereo Frequency range: 87.5 ~ 108MHz Memory capacity: 20 radio stations
System requirements	Operating system: Windows 8, 7, Vista, XP (32 - bit, SP 2), MacOS X 10.8, Linux
Temperature	5 ºC ~ 45 ºC / 41 ºF ~ 113 ºF
Humidity	10% ~ 90%

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