LG SIGNATURE

LG SIGNATURE
OLED TV
安全及參考

請於操作產品前仔細閱讀本手冊並將其保留以供未來參考之用。

MFL71700572
(2003-REV00)

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警告! 安全指示



注意
觸電的風險
請勿開啓



注意：爲減低觸電風險，請勿移除蓋板（或背板）。當中並無用戶可自行維修的組件。請向合資格維修人員諮詢相關維修安排。

此標誌用作提醒使用者，產品的機殼內有非絕緣保護的「危險電壓」，相關電壓的強度足以構成觸電風險。

此標誌用作提醒使用者，電器附帶的相關產品說明，已列出重要操作及保養（維修）指示。

警告：爲減低火災或觸電風險，請勿將本產品置於雨中或潮濕環境中。

- 爲防止火災蔓延，請隨時保持本產品遠離蠟燭或其他有明火的物品。
- 請勿將電視及遙控器放置於下列環境：
  - 勿讓產品直接暴曬在陽光下。
  - 高濕度範圍，例如浴室。
  - 發熱源附近例如煮食爐及其他發熱裝置。
  - 輕易暴露於蒸氣或油煙如廚房工作範圍或放濕器附近。
  - 暴露於雨水或當風位置。
  - 勿讓液體滴入或潑灑到裝置，並且勿在裝置上方（例如裝置上方的架子上）放置裝有液體的物體（例如花瓶，杯子等）。
  - 靠近如汽油或蠟燭等易燃物，或將電視置於空調直吹處。
  - 請勿安裝在灰塵過多的位置。

  否則，可能造成火災，觸電，燃燒/爆炸，故障或產品變形。
- 通風
  - 請將電視安裝在通風良好的位置。請勿安裝在狹窄的空間（例如書架）。
  - 請勿將產品安裝於地毯或軟墊上。
  - 裝置插入時勿讓衣物或其他材料擋住或蓋住產品。
- 小心勿觸碰通風口。長時間觀看電視時，通風口可能會產生高溫。
- 保護電源線以防止受到物理性如扭曲，折彎，緊夾，受到門的擠壓或踩踏或機件受損。請加倍留意插頭，牆上插座以及裝置的電線出口。
- 連接電源線時，請勿搬動電視。
- 請勿使用受損或鬆脫的電源線。
- 拔除電源線時，請確實握住插頭。不要拉扯電源線來拔除電視電源。
- 請勿在同一交流電源插座上連接過多裝置，因爲這可能導致火災或觸電。
- 切斷裝置主電源
  - 電源插頭與裝置中斷連接。如有緊急情況，電源插頭必須保持隨時可用。
- 切勿讓孩童攀爬於電視上。否則將導致電視翻倒並引致嚴重受傷。
- 室外天線接地（可能依國家/地區而異）：
  - 如果安裝了室外天線，請遵循下列注意事項。

    室外天線系統不應設置於接近高壓電電線或其他路燈照明或電源電路之處，或可能接觸此類輸電線或電路之處，否則可能導致人員傷亡。

    請確定天線系統已接地，以針對電源突波或所產生的靜電提供保護。

    美國的國家電器規程（NEC）之第 810 條。提供天線桅杆與支撐結構的適當接地，類比放電裝置導入電線的接地，接地導體大小，類比放電裝置位置，接地電極連接以及接地電極要求的相關資訊。

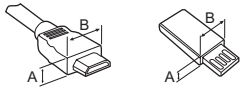
    天線接地是遵循美國國家電器規程 ANSI/NFPA 70

- 接地 （未接地的裝置除外）
  - 附三插頭的電視必須連接到三孔接地的 AC 插座。確保連接接地線，以防觸電。
- 切勿在雷擊或閃電時碰觸本裝置或天線。將可能導致觸電。
- 確保電源線安全地連接到電視和牆上插座，若未安全連接，插頭和插座可能損壞，並且在極端情況下可能引發火災。
- 請勿將金屬或易燃物體插入產品。若有異物掉入產品內，請拔除電源線，並聯絡服務中心。
- 插頭插上時，請勿觸碰電源線末端。將可能導致觸電。
- 如發生任何下列情況，即時切斷產品電源並聯絡當地服務中心。
  - 產品曾受損毀。
  - 若有水或其他物質滲入產品 （像是 AC 轉接器，電源線或電視）。
  - 若聞到電視發出煙霧或其他臭味。
  - 出現雷擊或閃電時，或者長時間不使用產品時。

  除非拔除電源線，否則即使用遙控器或按鈕關閉電視，AC電源仍會保持接通狀態。
- 請勿在電視附近使用高電壓的電子設備 （例如：滅蚊機）。這可能引起產品故障。
- 未經 LG Electronics 書面授權，請勿嘗試以任何方式修改本產品。可導致火災或觸電。如需服務或維修，請洽詢您當地的客戶服務中心。未經授權的修改可能會讓使用者失去操作本產品的權力。
- 請僅使用經授權的附件 / LG Electronics 所認可的配件。否則，可能導致火災，觸電或產品無法正常運作。
- 切勿拆開 AC 適配器或電源線。可能導致火災或觸電。
- 請小心處理適配器避免掉落或被撞擊。遭到撞擊可能會對產品造成損害。
- 爲降低發生火災或觸電的風險，請勿用濕手碰觸電視。若電源插頭潮濕或佈滿灰塵，請將插頭完全擦乾或擦去灰塵。
- 電池
  - 將附件 （電池等） 存放在安全的位置並遠離兒童。
  - 請避免短路，拆卸或讓電池過熱。請勿用火焚化電池。電池不應暴露於高溫的地方。
  - 注意：如果更換的電池類型不正確，會有引發火災或爆炸的風險。
- 移動
  - 搬動時，確定已關閉產品電源，拔出插頭，並取下所有纜線。大型電視可能需4個或以上人員搬運。請勿按壓設備屏幕或在電視屏幕上施力壓力。否則，可能導致產品損壞，造成危險或傷害。
- 請將包裝防潮材料或乙烯基包裝物料放置在兒童無法觸及的地方。
- 勿撞擊產品或讓任何物體掉入產品內部，也不要讓任何物體掉落到螢幕上。
- 請勿以手或指甲，鉛筆或鋼筆等尖銳物件用力按壓屏幕，或使其刮花。可能會使螢幕損壞。
- 清潔
  - 清潔時，請拔除電源線並以乾軟布輕拭，以避免刮傷。請勿直接在電視上噴水或其他液體。請勿使用會對產品及其屏幕造成損壞的化學品，例如玻璃清潔劑，空氣清新劑，殺蟲劑，潤滑劑，汽車或工業用蠟劑，磨光劑，稀釋劑，苯，酒精等。否則，可能導致觸電或產品損壞。

準備使用

- 如電視從廠商運出後首次開啓，電視初始化可能需時數分鐘。
- 插圖可能與實際情況有差異。
- 您電視的 OSD（螢幕顯示）可能與此手冊中顯示的內容略有不同。
- 可用的功能表及選項可能與您使用的輸入來源或產品型號有所不同。
- 新功能或將添加至此電視。
- 裝置必須在容易接近插座的位置。有些裝置沒有開啓 / 關閉按鈕，需要拔除電源線才能關閉。
- 產品隨附的部件視乎型號而可能有所不同。
- 本手冊的產品規格或內容或會因產品功能升級而隨時變更，恕不另行通知。
- 爲了獲得最好的連接效果，HDMI 纜線和 USB 裝置接頭厚度應少於 10 毫米，寬度應少於 18 毫米。如果 USB 纜線或 USB 記憶卡與您的電視的 USB 端口尺寸不符，請使用支援 USB 2.0 的延長線。



*A ≤ 10 毫米
*B ≤ 18 毫米

- 使用附有 HDMI 標誌的獲認證的纜線。
- 如您並非使用獲認證的纜線，可能無法於螢幕顯示畫面，或發生連接錯誤。
- 建議的 HDMI 線類型。
  - 超高速 HDMI®/™ 線 （3 米或以下）

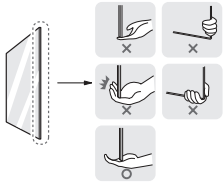
抬起與移動電視

不論任何類型及大小，抬起或移動電視時，請閱讀下文，確保安全搬運，以防電視刮花或受損。

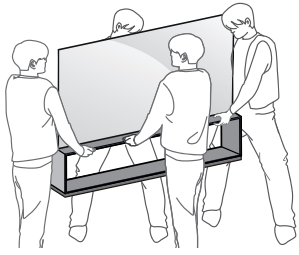
- 建議以包裝箱或連同電視原有的包裝材料移動電視。
- 移動或抬起電視前，中斷電源線和所有纜線的連接。
- 當握住電視時螢幕應面向外側以避免損壞。



- 握穩電視的頂部和底部。確保不要握住透明部分，喇叭或喇叭排孔區域。



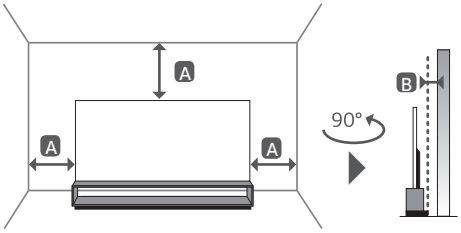
- 當運送大型電視，只少需要4 個人。
- 使用人手搬運電視時，請根據以下圖示握住電視。



- 搬運電視時，請勿搖動或令電視受過度震動。
- 搬運電視時，保持電視直立，切勿轉向電視的側面，或向左方或右方傾斜電視。
- 請勿過份用力，否則可能導致外框底座屈曲 / 折彎，會損壞螢幕。
- 操作電視時，請勿損壞凸起的按鈕。

- 避免時常點按畫面，否則會導致畫面受損。
- 請勿疊放裝置或大力按壓揚聲器。這樣可能會導致產品損壞或效能降低。

安裝



10 厘米 ≦ A

2 厘米 ≦ B

- 建議將產品安裝在地板上。

- 在組裝產品時，請勿於螺絲零件處使用油或潤滑劑等外來物質。（這樣可能會導致產品損壞。）
- 如將電視安裝於底座上，請採取措施以預防產品翻倒。否則，將可能導致電視翻倒並引致受傷。
- 請勿使用任何未經批准部件，以確保安全和產品壽命。
- 因使用未經批准物品而造成的任何損壞或傷害並不包括在保修範圍內。
- 請確保螺絲已正確插入並穩固旋緊。（如果沒有穩固扭緊螺絲，電視在安裝後可能會向前傾斜。）請勿過份用力及過度扭緊螺絲，否則螺絲可能會受損並無法正確上緊。

連接

將不同的外置裝置連接至電視，並切換輸入模式以選取外置裝置。有關外置裝置連接的詳情，請參閱個別裝置隨附的手冊。

天線/纜線

使用 RF 線 （75 Ω） 將電視連接至牆壁天線插座。

- 如使用兩部電視以上，使用訊號分線器。
- 如畫面品質惡劣，正確安裝訊號放大器以改善圖像品質。
- 如有連接天線，但畫面品質惡劣，嘗試以正確方向重新對準天線。
- 天線及轉換器並不提供。
- 由於相關標準尚未確認，此電視不能直接接收超高清（3840 x 2160 像素）廣播。

其他連接

將電視連接至外部裝置。爲達到最佳圖片及音訊質素，請使用 HDMI 纜線將外置裝置及電視連接。不提供部份獨立纜線。

HDMI

- 連接 HDMI 纜線時，產品和外部裝置應先關閉並將電源線拔除。
- 支援的 HDMI 音效格式：
  （視乎型號而定）
  True HD （48 kHz），
  Dolby Digital / Dolby Digital Plus
  （32 kHz， 44.1 kHz， 48 kHz），
  PCM （32 kHz， 44.1 kHz， 48 kHz， 96 kHz，192 kHz）

- ⚙ → ⋮ → [影像] → [其他設定] → [HDMI Ultra HD Deep Color]
  - 8K： 支援 8K @ 50/60 Hz（4：2：0），8K @ 24/25/30 Hz （4：4：4，4：2：2，4：2：0）
  - 4K： 支援 4K @ 50/60 Hz（4：4：4，4：2：2，4：2：0），4K @ 100/120 Hz（4：4：4，4：2：2，4：2：0）
  - 關閉：支援 4K @ 50/60 Hz （4 ：2 ：0）

  如果連接到輸入的設備也支援 Ultra HD Deep Color，您的圖像會更清晰。不過，如果設備不支援，可能無法正常運作。如出現此情況，請將電視的 [HDMI Ultra HD Deep Color] 設定爲停用。

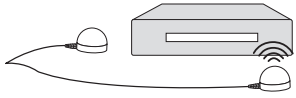
USB

某些 USB 集線器可能不能運作。如連接至 USB 集線器的 USB 裝置未能被探測，可直接將裝置連接

至於電視上的 USB 端口。

IR 發射器

- 使用 IR 發送器控制機頂盒 （纜線/衛星/IP/OTT），藍光/DVD 播放機，Soundbar，遊戲主機等等。
- 將 IR 發送器纜線連接到電視的 IR 發送器連接埠。
- 如下圖所示般將 IR 發射器的兩側 （一個或兩個） 放置在外部裝置前面。
- 使用通用控制設置控制裝置。
  移至 ⚙ → ⋮ → [連接] → [裝置連接設置] → [通用控制設置]。
- 使用隨附的 3M 膠帶保護 IR 發射器。



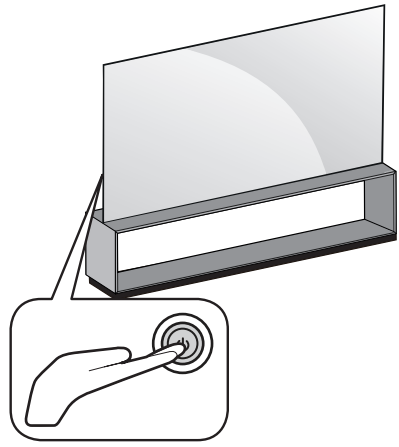
外部裝置

可用的外置裝置爲：Blu-ray 播放器，HD 接收器，DVD 播放器，VCR，音效系統，USB 儲存裝置，電腦，遊戲裝置及其他外置裝置。

- 外置裝置連接視乎型號而有所不同。
- 不論電視連接埠順序爲何，連接外部裝置至電視。
- 如果您在 Blu-ray/DVD 錄影機或 VCR 錄製電視節目，請確保電視訊號輸入纜線已連接電視及 DVD 錄影機或 VCR。有關錄影的詳情，請參閱連接裝置隨附的手冊。
- 有關操作說明，請參閱外部裝置手冊。
- 如果您將遊戲裝置連接至電視，使用遊戲裝置隨附的纜線。
- 於電腦模式，可能產生由解像度，垂直格式，對比度或亮度引致的雜音。如出現雜訊，將電腦輸出變更爲其他解像度或將刷新率變更爲其他頻率，或於 [影像] 功能表中調整亮度和對比度，直至影像變爲清晰。
- 於電腦模式，部份解像度設定可能未能正常運作，視乎顯示卡而定。
- 如您在電腦上播放 Ultra HD 內容，視乎電腦性能，視訊或音訊可能會間歇性中斷。（視乎型號而定）
- 建議使用CAT 7 網絡線連接區域網絡（LAN）。（僅限提供 **LAN** 連接埠時。）

使用按鈕

只需使用按鈕，即可輕鬆操作電視功能。



基本功能

	開機（按一下） 關機 [1]（按住）
	音量控制
	調校節目

1 所有操作中的應用程式將會關閉，令正在進行的所有錄影將會停止。

調整功能表

當電視開啓時，按一下⏻按鈕。您可使用按鈕以調整功能表項目。

⏻	關閉電源。
⚙	進入設定目錄。
✕	清除所有 OSD 並返回電視畫面。
⏎	改更輸入來源。

使用神奇遙控器

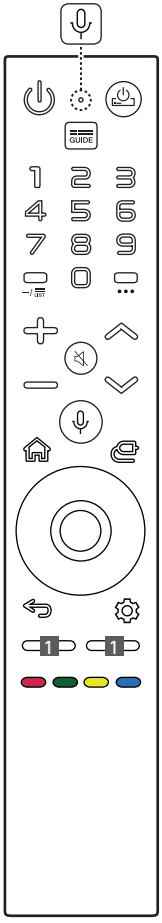
（視乎型號而定）

本手冊的描述基於遙控器的按鍵而定。請仔細閱讀本手冊並正確使用電視。

當顯示[神奇遙控器 電池電力不足。請更換電池。]時，請爲遙控器更換電池。

如需安裝電池，打開電池蓋，更換電池 （1.5 V AAA） 時配對電池格內的 ⊕ 及 ⊖ 端標籤，然後關上電池蓋。確保將遙控器指向電視機上的神奇遙控器感應器。

（萬一弄丟了所提供的針腳，可以改用尖形物體）。



（因應產品型號或地區，部分按鈕功能和服務可能無法提供。）

** 要使用按鈕，請按住1 秒以上。

（電源）開啓或關閉電視。

（機頂盒電源）只要將機頂盒新增至電視的通用遙控器便可開啓或關閉機頂盒。

GUIDE 顯示節目指南。

數字鍵 輸入數字。

9** 進入 [快速說明]。

– （破折號）在號碼間插入 –，例如 2-1 和 2-2。

LIST 進入已儲存節目列表。

** 編輯快速存取。

- 快速存取是一項功能，讓您按住數字鍵就能直接進入指定的應用程式或 Live TV。

•••（更多動作）顯示更多遙控功能。

•••**（更多動作）將啓用音效說明功能。

＋ － 調整音量。

（靜音）打開或關閉聲音。

**（靜音）存取 [協助工具] 功能表。

∧∨ 捲動已儲存的節目。

（語音辨識）使用語音辨識功能時需要連接網絡。

檢查是否有建議內容。（有些國家/地區不見得會提供部分建議的服務。）

**（語音辨識）按住按鈕的同時說話，以使用語音辨識功能。

若要達到精準的語音辨識，您必須放慢發音速度，而且發音準確，音量適中 （離 Magic Remote 麥克風約 10 公分遠的距離） （）。

（主頁）進用功能表。

**（主頁）顯示歷史記錄。

（輸入）改更輸入來源。

**（輸入）進入 [居家設定畫面]。

◎ 滾輪（確認）按下 ◎ 按鈕的中央以選擇功能表。您可使用 ◎ 按鈕轉台。

- 請勿左右移動遙控器上的滾輪，否則可能導致產品故障。

上/下/左/右 按上，下，左或右按鈕以捲動 功能表。如果您在指標使用中的狀態下按上、下、左、右按鈕，指標將會從畫面消失，且神奇遙控器的作用方式會和一般遙控器相同。如要再次於螢幕上顯示游標，向左及右搖一搖神奇遙控器。

⮌（返回）返回至上一層。
⮌** （返回）清除所有 OSD 並返回先前的畫面輸入。
⚙（快速設定）進入快速設定。
⚙** （快速設定）顯示 [所有設定] 功能表。
1 串流服務按鈕 連接至影片串流服務。
🔴, 🟢, 🟡, 🔵 訪問某些選單中的特殊功能。
🔴** 執行錄影功能。

⚠
- 請勿將新舊電池混合使用。此可導致電池過熱及洩漏。
- 沒有按照兩極正確裝入電池可能會造成電池爆炸或洩漏，引致火災，人身傷害或環境污染。
- 本裝置使用電池。您的居住地區可能會有相關規定，要求您基於環境考量，妥善棄置這些電池。請洽詢地方當局，以瞭解棄置或回收的相關資訊。
- 電池內部或產品內部不可暴露於過熱的環境中，例如陽光，火光等。
- 在某些國家或收看模擬廣播時，部份按鍵可能無法使用。

註冊神奇遙控器

如何註冊神奇遙控器

如要使用神奇遙控器，首先與電視進行配對。
1 將電池放入神奇遙控器並開啓電視。
2 將神奇遙控器指向電視，然後按遙控器上的 ◎ 滾輪（確認）。
* 如電視無法註冊神奇遙控器，請關閉電視然後重新開啓，再試一次。

如何取消註冊神奇遙控器

同時按下 ⮌（返回） 和 ⌂（主頁） 按鈕五秒鐘，讓神奇遙控器與電視取消配對。
* 按住⚙（快速設定） 和 ⌂（主頁）按鈕 5 秒以上，即可同時中斷連接和重新註冊神奇遙控器。

⚠
- 建議將接入點 （AP） 置於電視 0.2 米以外的範圍。如 AP 安裝於少於 0.2 米的範圍內，神奇遙控器可能因頻率干擾而無法正常操作。

使用者指南

有關此電視的詳情，請參閱產品隨附的使用者指南。
- 若要開啓使用指南 ⚙ → ⋮ → [支持] → [使用指南]

疑難排解

無法使用遙控器控制電視。

- 請檢查產品上的遙控器感應器，然後再試一次。
- 請檢查產品和遙控器之間是否有任何障礙物。
- 請檢查電池是否仍可使用，且已正確安裝（⊕對⊕，⊖對⊖）。

沒有畫面顯示或沒有聲音。

- 請檢查產品是否已開機。
- 請檢查電線是否已連接至牆上插頭。
- 請連接其他產品，確認牆上插頭是否有問題。

電視突然關機。

- 檢查電源控制設定。電源供應可能中斷。
- 檢查自動關閉功能是否在設定相關的時間啓動。
- 如果在電視開機時沒有訊號，15 分鐘後若無任何動作，電視就會自動關機。

連接到電腦 （HDMI） 時，未偵測到任何訊號。

- 使用遙控器關閉/開啓電視。
- 重新連接 HDMI 纜線。
- 在開啓電視的情況下重新啓動電腦。

異常顯示情況

- 如接觸產品時感覺冰冷，於開啓時可能出現「跳線」情況。此爲正常情況，產品並無異常。
- 本屏幕是擁有數百萬像素的先進產品。微細黑點及/或高亮彩色光點（紅色，藍或綠色）可能以每百萬分一 單位出現於顯示屏幕上。此並不代表非正常運作及並不影響產品之性能及其可靠性。此現象亦會於第三方產品出現並不接受更換或退款。
- 於不同位置（左/右/上/下方）觀看時可能感受到屏幕不同亮度及顏色顯示。此現象的出現乃顯示屏幕的特性。此與產品性能無關，並其運作正常。

產生聲音

- 「咔噠」斷裂雜音：於觀看或關閉電視時出現的斷裂雜聲乃因溫度與濕度而導致塑料的熱收縮所產生。此等雜聲於遇熱膨脹之產品較爲常見。
- 電路嗡聲/屏幕訊噪：低水平雜音乃由高速切換電路以產生大量電流令產品運作時發出。其因應產品會有所不同。雜音之產生並不影響產品的性能及可靠性。

⚠
- 確保擰乾布上多餘的水分及清潔劑。
- 切勿直接在電視螢幕上噴水或清潔劑。
- 請只在乾布上噴上適度的水或清潔劑以擦拭螢幕。

規格

- 能源標籤上標明的每年能源消耗是根據 IEC 62087 及香港能源效益標籤計劃（EELS）來計算。
- 實際的能源消耗取決於使用環境（觀看的內容，電視設定等）而定。

廣播規格		
	數碼訊號	類比訊號
電視制式	DTMB	PAL D/K，PAL I，NTSC-M
節目範圍	DTMB ：21~69	PAL D/K：VHF/UHF 1~69， CATV 1~47 PAL I：VHF/UHF 1~69， CATV 1~47 NTSC-M：VHF/UHF 2~78， CATV 1~71
外置天線抗阻	75 Ω	

無線模組 （LGSBWAC92） 規格	
無線 LAN （IEEE 802.11a/b/g/n/ac）	
頻率範圍	輸出功率（最大）
2400 至 2483.5 MHz 5150 至 5350 MHz 5725 至 5850 MHz	18 dBm 18 dBm 12 dBm
Bluetooth	
頻率範圍	輸出功率（最大）
2400 至 2483.5 MHz	8 dBm

- 由於每個國家的波段頻道有所不同，用戶無法更改或調整操作頻率。本產品配置之頻率爲區域頻率表內。
- 爲用戶着想，建議本裝置安裝及使用時，應最少離用戶身體 20 厘米。

環境條件		
環境條件	操作溫度	0 °C 至 40 °C
	操作濕度	低於 80 %
	儲存溫度	-20 °C 至 60 °C
	儲存濕度	低於 85 %

- 如需有關電源供應和耗電量的詳細資訊，請參閱附貼在產品上的標籤。
  - 耗電量的測量標準以 IEC 62087 或每個國家／地區的能源法規爲依據。
  * 某些型號的標籤是貼在外部裝置連接端子外蓋內側。
  * 依各型號或國家／地區的規定，標籤上不一定會載明標準耗電量。

開放原始碼軟體注意事項

若要依據 GPL、LGPL、MPL 及其他開放原始碼授權取得對應的原始碼，請瀏覽 *http://opensource.lge.com*。

除了開放原始碼，所有涉及的授權條款、免責聲明和版權聲明均可供下載。

LG Electronics 也可應您要求，在由您支付相關費用（如媒體成本、運費及處理費）的條件下以 CD-ROM 方式提供開放原始程式碼，如有需要請寄送電子郵件至 opensource@lge.com 。

此服務提供的有效期限爲本產品最後裝運日起計算的三年。此服務提供的有效對象爲收到此資訊的任何人。

授權

HIGH-DEFINITION MULTIMEDIA INTERFACE

POWERED BY QUICKSET

（僅限支援神奇遙控器的型號）

HEVC Advance™ Covered by Patents at patentlist.hevcadvance.com

法規

警告!

請勿將電視機置於搖晃不穩的位置。因爲電視機可能會掉落並導致嚴重個人傷害及傷亡。只要採取下列預防工作便可避免傷害事故發生（特別是兒童傷害）：

- 使用製造商建議的儲存櫃及支架置放電視。
- 只選用可安全支撐電視機的家具。
- 確保電視機不會懸在支撐家具的邊沿。
- 切勿將電視機置放在家具高處（如櫥櫃或書架），除非以適當的支撐物固定家具和電。
- 電視機和支撐家具之間不要夾置布料或其他材料。
- 告訴兒童爬上家具觸碰電視機或其控制器的危險性。

如要收藏並將電視機置放於其他地方，建議一律採用上述建議。

符號

~	AC 代表交流電。
⎓	DC 代表直流電。
⧈	代表第二級設備。
⏻	代表待機。
|	代表「開啓」（電源）。
ϟ	代表危險電壓。

防止殘像的重要資訊

OLED 是一項自我發光技術，對於影像品質和效能帶來了許多顯著的效益。如同任何自我發光顯示器，OLED 電視的使用者在某些情況下也可能遇到暫時的殘像現象，例如長時間在螢幕上顯示靜態影像。LG OLED 電視備有專屬功能，可保護螢幕可能產生的殘像現象。

若靜態影像持續在螢幕上顯示，螢幕亮度在螢幕的特定區域或者整個螢幕會自動降低。一旦靜態影像消失，螢幕亮度會自動回復到之前的設定。這不是產品故障。

可能導致殘像的影像範例

- 包含特定資訊的靜態影像或固定影像持續顯示在螢幕上，例如頻道號碼，電視台標誌，節目名稱，新聞或電影字幕和標題。
- 視訊遊戲主機的固定功能表或圖示，或者廣播的機頂盒。
- 顯示在螢幕上下左右的黑色條狀，例如 4：3 或 21：9 比例的影像。

防止殘像的建議措施

- 避免長時間觀看顯示以上所列影像的視訊。
- 開啓視訊長時間展示以上所列影像時，請如以所示調整電視設定。
  - ⚙ → ⋮ → [影像] → [圖像模式設置] → [影像模式] → [Eco]
  - ⚙ → ⋮ → [影像] → [圖像模式設置] → [OLED 燈] → 調整至較低的值
  - ⚙ → ⋮ → [影像] → [OLED 螢幕保護裝置] → [標誌亮度調整] → [高]
- 關閉外部裝置的功能表列，例如機頂盒，以防長時間顯示這類裝置的功能表列。（如需說明指示，請參閱適用外部裝置的手冊。）
- 觀看持續在上下左右顯示黑色條狀的視訊時，請如以下所示調整設定，以便移除黑色條狀。
  - ⚙ → ⋮ → [影像] → [畫面比例設定] → [畫面比例] → [垂直縮放] 或 [4 向縮放]

與暫時殘像相關，支援影像品質的功能的資訊

- LG OLED 電視提供一項稱爲「像素整理器」的功能，可協助防止產生暫時殘像現象。
- 當電視收看時間累積到 2000 小時或以上時 （這相當於一年當中一天看五小時電視），「像素整理器」在電視關閉時會自動啓用。關閉電視時，螢幕上會顯示一則通知，告知「像素整理器」啓用。這個功能會在電視關閉時執行 1.5 小時。在程序幾乎完成時，可能會在螢幕上方或底部顯示一條水平線。
- 您也可以透過電視功能表手動啓用「像素整理器」：⚙ → ⋮ → [影像] → [OLED 螢幕保護裝置] → [像素整理器]。
- 每當累積收看電視超過四小時，「像素整理器」會在關閉電視後自動啓用數分鐘。（注意：如果電視的電源線未連接或者主電源關閉，「像素整理器」將不會啓用。）

LG SIGNATURE

產品的型號和序號位在產品的背面和其中一個側邊。
請記下下列資料，以備需要服務時使用。

型號 _____

序號 _____

LG SIGNATURE

LG SIGNATURE
OLED TV
Safety and Reference

Please read this manual carefully before operating your set and retain it for future reference.

www.lg.com

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Warning! Safety Instructions



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

- TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES OR OTHER ITEMS WITH OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.
- **Do not place the TV and/or remote control in the following environments:**
  - Keep the product away from direct sunlight.
  - An area with high humidity such as a bathroom.
  - Near any heat source such as stoves and other devices that produce heat.
  - Near kitchen counters or humidifiers where they can easily be exposed to steam or oil.
  - An area exposed to rain or wind.
  - Do not expose to dripping or splashing and do not place objects filled with liquids, such as vases, cups, etc. on or over the apparatus (e.g., on shelves above the unit).
  - Near flammable objects such as gasoline or candles, or expose the TV to direct air conditioning.
  - Do not install in excessively dusty places.

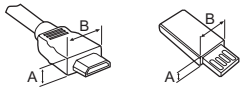
  Otherwise, this may result in fire, electric shock, combustion/ explosion, malfunction or product deformation.
- **Ventilation**
  - Install your TV where there is proper ventilation. Do not install in a confined space such as a bookcase.
  - Do not install the product on a carpet or cushion.
  - Do not block or cover the product with cloth or other materials while unit is plugged in.
- Take care not to touch the ventilation openings. When watching the TV for a long period, the ventilation openings may become hot.
- Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the device.
- Do not move the TV whilst the Power cord is plugged in.
- Do not use a damaged or loosely fitting power cord.
- Be sure do grasp the plug when unplugging the power cord. Do not pull on the power cord to unplug the TV.
- Do not connect too many devices to the same AC power outlet as this could result in fire or electric shock.
- **Disconnecting the Device from the Main Power**
  - The power plug is the disconnecting device. In case of an emergency, the power plug must remain readily accessible.
- Do not let your children climb or cling onto the TV. Otherwise, the TV may fall over, which may cause serious injury.
- **Outdoor Antenna Grounding** (Can differ by country):
  - If an outdoor antenna is installed, follow the precautions below. An outdoor antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can come in contact with such power lines or circuits as death or serious injury can occur.
    Be sure the antenna system is grounded to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code (NEC) in the U.S.A. provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes and requirements for the grounding electrode. Antenna grounding according to the National Electrical Code, ANSI/NFPA 70

- **Grounding** (Except for devices which are not grounded.)
  - TV with a three-prong grounded AC plug must be connected to a three-prong grounded AC outlet. Ensure that you connect the earth ground wire to prevent possible electric shock.
- Never touch this apparatus or antenna during a lightning storm. You may be electrocuted.
- Make sure the power cord is connected securely to the TV and wall socket if not secured damage to the Plug and socket may occur and in extreme cases a fire may break out.
- Do not insert metallic or inflammable objects into the product. If a foreign object is dropped into the product, unplug the power cord and contact the customer service.
- Do not touch the end of the power cord while it is plugged in. You may be electrocuted.
- **If any of the following occur, unplug the product immediately and contact your local customer service.**
  - The product has been damaged.
  - If water or another substance enters the product (like an AC adapter, power cord, or TV).
  - If you smell smoke or other odors coming from the TV
  - When lightning storms or when unused for long periods of time.

  Even the TV is turned off by remote control or button, AC power source is connected to the unit if not unplugged in.
- Do not use high voltage electrical equipment near the TV (e.g., a bug zapper). This may result in product malfunction.
- Do not attempt to modify this product in any way without written authorization from LG Electronics. Accidental fire or electric shock can occur. Contact your local customer service for service or repair. Unauthorized modification could void the user's authority to operate this product.
- Use only an authorized attachments / accessories approved by LG Electronics. Otherwise, this may result in fire, electric shock, malfunction, or product damage.
- Never disassemble the AC adapter or power cord. This may result in fire or electric shock.
- Handle the adapter carefully to avoid dropping or striking it. An impact could damage the adapter.
- To reduce the risk of fire or electrical shock, do not touch the TV with wet hands. If the power cord prongs are wet or covered with dust, dry the power plug completely or wipe dust off.
- **Batteries**
  - Store the accessories (battery, etc.) in a safe location out of the reach of children.
  - Do not short circuit, disassemble, or allow the batteries to overheat. Do not dispose of batteries in a fire. Batteries should not be exposed to excessive heat.
  - Caution: Risk of fire or explosion if the battery is replaced by an incorrect type.
- **Moving**
  - When moving, make sure the product is turned off, unplugged, and all cables have been removed. It may take 4 or more people to carry larger TVs. Do not press or put stress on the front panel of the TV. Otherwise, this may result in product damage, fire hazard or injury.
- Keep the packing anti-moisture material or vinyl packing out of the reach of children.
- Do not allow an impact shock, any objects to fall into the product, and do not drop anything onto the screen.
- Do not press strongly upon the panel with a hand or a sharp object such as a nail, pencil, or pen, or make a scratch on it. It may cause damage to screen.
- **Cleaning**
  - When cleaning, unplug the power cord and wipe gently with a soft/dry cloth. Do not spray water or other liquids directly on the TV. Do not clean your TV with chemicals including glass cleaner, any type of air freshener, insecticide, lubricants, wax (car, industrial), abrasive, thinner, benzene, alcohol etc., which can damage the product and/or its panel. Otherwise, this may result in electric shock or product damage.

Preparing

- If the TV is turned on for the first time after it was shipped from the factory, initialization of the TV may take a few minutes.
- Image shown may differ from your TV.
- Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual.
- The available menus and options may differ from the input source or product model that you are using.
- New features may be added to this TV in the future.
- The device must be easily accessed to a location outlet near the access. Some devices are not made by turning on / off button, turning off the device and unplugging the power cord.
- The items supplied with your product may vary depending on the model.
- Product specifications or contents of this manual may be changed without prior notice due to upgrade of product functions.
- For an optimal connection, HDMI cables and USB devices should have bezels less than 10 mm thick and 18 mm width. Use an extension cable that supports USB 2.0 if the USB cable or USB memory stick does not fit into your TV's USB port.



*A ≤ 10 mm
*B ≤ 18 mm

- Use a certified cable with the HDMI logo attached.
- If you do not use a certified HDMI cable, the screen may not display or a connection error may occur.
- Recommended HDMI Cable Types.
  - Ultra High Speed HDMI®/™ cable (3 m or less)

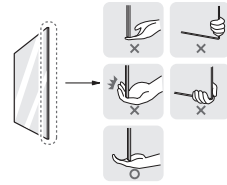
Lifting and moving the TV

Please note the following advice to prevent the TV from being scratched or damaged and for safe transportation regardless of its type and size.

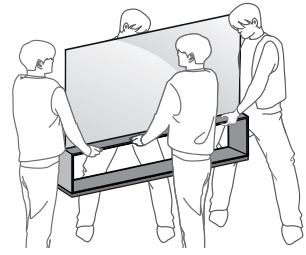
- It is recommended to move the TV in the box or packing material that the TV originally came in.
- Before moving or lifting the TV, disconnect the power cord and all cables.
- When holding the TV, the screen should face away from you to avoid damage.



- Hold the top and bottom of the TV frame firmly. Make sure not to hold the transparent part, speaker, or speaker grill area.



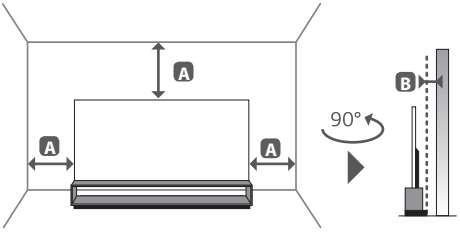
- When transporting a large TV, there should be at least 4 people.
- When transporting the TV by hand, hold the TV as shown in the following illustration.



- When transporting the TV, do not expose the TV to jolts or excessive vibration.
- When transporting the TV, keep the TV upright, never turn the TV on its side or tilt towards the left or right.
- Do not apply excessive pressure to cause flexing / bending of frame chassis as it may damage screen.
- When handling the TV, be careful not to damage the protruding buttons.

- Avoid touching the screen at all times, as this may result in damage to the screen.
- Please do not pile the stuff up or press strongly the speaker. This may result in product damage or degradation.

Installation



10 cm ≦ A

2 cm ≦ B

- It is recommended to install the product on the floor.

- Do not apply foreign substances (oils, lubricants, etc.) to the screw parts when assembling the product. (Doing so may damage the product.)
- If you install the TV on a stand, you need to take actions to prevent the product from overturning. Otherwise, the product may fall over, which may cause injury.
- Do not use any unapproved items to ensure the safety and product life span.
- Any damage or injuries caused by using unapproved items are not covered by the warranty.
- Make sure that the screws are inserted correctly and fastened securely. (If they are not fastened securely enough, the TV may tilt forward after being installed.) Do not use too much force and over tighten the screws; otherwise screw may be damaged and not tighten correctly.

Connections

Connect various external devices to the TV and switch input modes to select an external device. For more information of external device's connection, refer to the manual provided with each device.

Antenna/Cable

Connect the TV to a wall antenna socket with an RF cable (75 Ω).

- Use a signal splitter to use more than 2 TVs.
- If the image quality is poor, install a signal amplifier properly to improve the image quality.
- If the image quality is poor with an antenna connected, try to realign the antenna in the correct direction.
- An antenna cable and converter are not supplied.
- This TV cannot receive ULTRA HD (3840 x 2160 pixels) broadcasts directly because the related standards have not been confirmed.

Other connections

Connect your TV to external devices. For the best picture and audio quality, connect the external device and the TV with the HDMI cable. Some separate cable is not provided.

HDMI

- When connecting the HDMI cable, the product and external devices should be turned off and unplugged.
- Supported HDMI Audio format:
  (Depending on model)
  True HD (48 kHz),
  Dolby Digital / Dolby Digital Plus (32 kHz, 44.1 kHz, 48 kHz),
  PCM (32 kHz, 44.1 kHz, 48 kHz, 96 kHz, 192 kHz)

- ⚙ → ⋮ → [Picture] → [Additional Settings] → [HDMI Ultra HD Deep Colour]
  - 8K: Support 8K @ 50/60 Hz (4:2:0), 8K @ 24/25/30 Hz (4:4:4, 4:2:2, 4:2:0)
  - 4K: Support 4K @ 50/60 Hz (4:4:4, 4:2:2, 4:2:0), 4K @ 100/120 Hz (4:4:4, 4:2:2, 4:2:0)
  - Off: Support 4K @ 50/60 Hz (4:2:0)

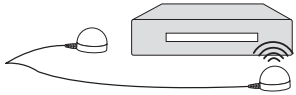
  If the device connected to Input Port also supports Ultra HD Deep Colour, your picture may be clearer. However, if the device doesn't support it, it may not work properly. In that case, change the TV's [HDMI Ultra HD Deep Colour] setting to off.

USB

Some USB Hubs may not work. If a USB device connected using a USB Hub is not detected, connect it to the USB port on the TV directly.

IR Blaster

- Control the set-top box (cable/satellite/IP/OTT), Blu-ray/DVD player, soundbar, game consoles, etc., using the IR Blaster.
- Connect the IR Blaster cable to the TV's IR Blaster port.
- Place both ends (one or two) of the IR Blaster in front of the external device as shown in the picture below.
- Use universal control settings to control the device. Go to ⚙ → ⋮ → [Connection] → [Device Connection Settings] → [Universal Control Settings].
- Secure the IR Blaster with the 3M tape provided.



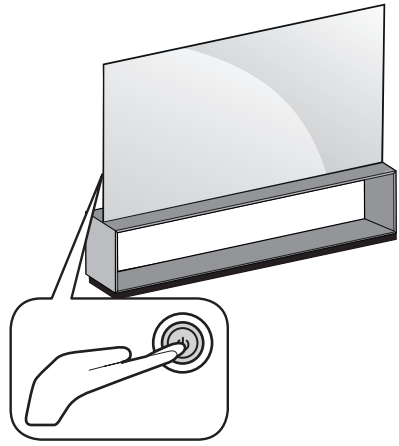
External Devices

Available external devices are: Blu-ray player, HD receivers, DVD players, VCRs, audio systems, USB storage devices, PC, gaming devices, and other external devices.

- The external device connection may differ from the model.
- Connect external devices to the TV regardless of the order of the TV port.
- If you record a TV program on a Blu-ray/DVD recorder or VCR, make sure to connect the TV signal input cable to the TV through a DVD recorder or VCR. For more information of recording, refer to the manual provided with the connected device.
- Refer to the external equipment's manual for operating instructions.
- If you connect a gaming device to the TV, use the cable supplied with the gaming device.
- In PC mode, there may be noise associated with the resolution, vertical pattern, contrast or brightness. If noise is present, change the PC output to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the [Picture] menu until the picture is clear.
- In PC mode, some resolution settings may not work properly depending on the graphics card.
- If ULTRA HD content is played on your PC, video or audio may become disrupted intermittently depending on your PC's performance. (Depending on model)
- When connecting via a wired LAN, it is recommended to use a CAT 7 cable. (Only when **LAN** port is provided.)

Using Button

You can simply operate the TV functions, using the button.



Basic functions

	Power On (Press) Power Off [1] (Press and hold)
	Volume Control
	Programmes Control

1 All running apps will close, and any recording in progress will stop.

Adjusting the menu

When the TV is turned on, press the ⏻ button one time. You can adjust the Menu items using the button.

⏻	Turns the power off.
⚙	Accesses the settings menu.
✕	Clears on-screen displays and returns to TV viewing.
⇄	Changes the input source.

Using Magic Remote Control

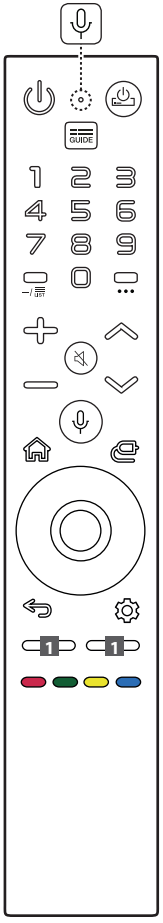
(Depending on model)

The descriptions in this manual are based on the buttons on the remote control. Please read this manual carefully and use the TV correctly.

When the message [Magic Remote battery is low. Please change the battery.] is displayed, replace the battery.

To replace batteries, open the battery cover, replace batteries (1.5 V AAA) matching the ⊕ and ⊖ ends to the label inside the compartment, and close the battery cover. Be sure to point the Magic Remote toward the remote control sensor on the TV.

(If you lose the supplied pin, you can use a pointed object instead.)



(Some buttons and services may not be provided depending on models or regions.)

**** To use the button, press and hold for more than 1 second.**

(POWER) Turns the TV on or off.

(STB POWER) You can turn your set-top box on or off by adding the set-top box to the universal remote control for your TV.

GUIDE Shows programme guide.

Number buttons Enters numbers.

9** Accesses the [Quick Help].

— (DASH) Inserts a — between numbers such as 2-1 and 2-2.

LIST Accesses the saved programmes list.

0** Edits QUICK ACCESS.

- QUICK ACCESS is a feature that allows you to enter a specified app or Live TV directly by pressing and holding the number buttons.

• • • (MORE ACTIONS) Displays more remote control functions.

• • •** **(MORE ACTIONS)** Audio descriptions function will be enabled.

+ − Adjusts the volume level.

(MUTE) Mutes all sounds.

** **(MUTE)** Accesses the [Accessibility] menu.

Scrolls through the saved programmes.

(Voice recognition) Network connection is required to use the voice recognition function.

Check for recommended content. (Some recommended services may not be available in some countries.)

** **(Voice recognition)** Speak while pressing and holding the button to use the voice recognition feature.

To achieve accurate recognition of your speech, you must pronounce words in a slow and accurate manner at an appropriate voice volume at a distance of about 10 cm away from the Magic Remote's microphone().

(HOME) Accesses the Home menu.

** **(HOME)** Shows the previous history.

(INPUT) Changes the input source.

** **(INPUT)** Accesses the [Home Dashboard].

Wheel (OK) Press the center of button to select a menu. You can change programmes by using button.

- Do not move the wheel on the remote control right or left. This may cause the malfunction of the product.

up/down/left/right Press the up, down, left or right button to scroll the menu. If you press the up, down, left or right button while the pointer is in use, the pointer will disappear from the screen and Magic Remote will operate like a general remote control. To display the pointer on the screen again, shake Magic Remote to the left and right.

(BACK) Returns to the previous level.

** **(BACK)** Clears on-screen displays and returns to last input viewing.

(Q. Settings) Accesses the Quick Settings.

** **(Q. Settings)** Displays the [All Settings] menu.

1 Streaming Service buttons Connects to the Video Streaming Service.

, , , These access special functions in some menus.

** Runs the record function.

- Do not mix new batteries with old batteries. This may cause the batteries to overheat and leak.
- Failure to match the correct polarities of the battery may cause the battery to burst or leak, resulting in fire, personal injury, or ambient pollution.
- This apparatus uses batteries. In your community there might be regulations that require you to dispose of these batteries properly due to environmental considerations. Please contact your local authorities for disposal or recycling information.
- Batteries inside or inside the product shall not be exposed to excessive heat such as sunshine, fire or the like.
- In Analogue TV and some countries, some remote control buttons may not work.

Registering Magic Remote Control

How to register the Magic remote control

To use the Magic Remote, first pair it with your TV.

1 Put batteries into the Magic Remote and turn the TV on.

2 Point the Magic Remote at your TV and press the **Wheel (OK)** on the remote control.

* If the TV fails to register the Magic Remote, try again after turning the TV off and back on.

How to deregister the Magic Remote Control

Press the **(BACK)** and **(HOME)** buttons at the same time, for five seconds, to unpair the Magic Remote with your TV.

* Press and hold the **(Q. Settings)** and **(HOME)** button for more than 5 seconds to disconnect and re-register the Magic Remote at the same time.

- It is recommended that an Access Point (AP) be located more than 0.2 m away from the TV. If the AP is installed closer than 0.2 m the Magic remote control may not perform as expected due to frequency interference.

User Guide

For more information about this TV, read the USER GUIDE embedded in the product.

- To open the USER GUIDE → → [Support] → [User Guide]

Troubleshooting

Cannot control the TV with the remote control.

- Check the remote control sensor on the product and try again.
- Check if there is any obstacle between the product and the remote control.
- Check if the batteries are still working and properly installed (⊕ to ⊕, ⊖ to ⊖).

No image display and no sound is produced.

- Check if the product is turned on.
- Check if the power cord is connected to a wall outlet.
- Check if there is a problem in the wall outlet by connecting other products.

The TV turns off suddenly.

- Check the power control settings. The power supply may be interrupted.
- Check if the auto-off function is activated on the settings related time.
- If there is no signal while the TV is on, the TV will turn off automatically after 15 minutes of inactivity.

When connecting to the PC (HDMI), no signal is detected.

- Turn the TV off/on using the remote control.
- Reconnect the HDMI cable.
- Restart the PC with the TV on.

Abnormal Display

- If the product feels cold to the touch, there may be a small "flicker" when it is turned on. This is normal, there is nothing wrong with product.
- This panel is an advanced product that contains millions of pixels. You may see tiny black dots and/or brightly coloured dots (red, blue or green) at a size of 1 ppm on the panel. This does not indicate a malfunction and does not affect the performance and reliability of the product. This phenomenon also occurs in third-party products and is not subject to exchange or refund.
- You may find different brightness and colour of the panel depending on your viewing position(left/right/top/down). This phenomenon occurs due to the characteristic of the panel. It is not related with the product performance, and it is not malfunction.

Generated Sound

- "Cracking" noise: A cracking noise that occurs when watching or turning off the TV is generated by plastic thermal contraction due to temperature and humidity. This noise is common for products where thermal deformation is required.
- Electrical circuit humming/panel buzzing: A low level noise is generated from a high-speed switching circuit, which supplies a large amount of current to operate a product. It varies depending on the product. This generated sound does not affect the performance and reliability of the product.



- Make sure to wring any excess water or cleaner from the cloth.
- Do not spray water or cleaner directly onto the TV screen.
- Make sure to spray just enough of water or cleaner onto a dry cloth to wipe the screen.

Specifications

- The annual energy consumption indicated on the energy label is measured in accordance with IEC 62087 and the Hong Kong Energy Efficiency Labelling Scheme (EELS).
- The actual energy consumption depends on the usage environment (the content watched, TV settings, etc.).

Broadcasting Specifications		
	Digital TV	Analogue TV
Television system	DTMB	PAL D/K, PAL I, NTSC-M
Programme coverage	DTMB: 21~69	PAL D/K: VHF/UHF 1~69, CATV 1~47 PAL I: VHF/UHF 1~69, CATV 1~47 NTSC-M: VHF/UHF 2~78, CATV 1~71
External antenna impedance	75 Ω	

Wireless module (LGSBWAC92) specifications	
Wireless LAN (IEEE 802.11a/b/g/n/ac)	
Frequency Range	Output Power (Max.)
2400 to 2483.5 MHz 5150 to 5350 MHz 5725 to 5850 MHz	18 dBm 18 dBm 12 dBm
Bluetooth	
Frequency Range	Output Power (Max.)
2400 to 2483.5 MHz	8 dBm

- As band channels can vary per country, the user cannot change or adjust the operating frequency. This product is configured for the regional frequency table.
- For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm between the device and the body.

Environment Condition		
Environment condition	**Operating Temperature**	0 ℃ to 40 ℃
	Operating Humidity	Less than 80 %
	Storage Temperature	-20 ℃ to 60 ℃
	Storage Humidity	Less than 85 %

- For information of the power supply and power consumption, refer to the label attached to the product.
  - The typical power consumption is measured in accordance with IEC 62087 or each country's energy regulations.

  * On some models, the label is inside the external device connection terminal cover.
  * Depending on the model or country, the typical power consumption may not be on label.

Open Source Software Notice Information

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit *http://opensource.lge.com*.

In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com.

This offer is valid for a period of three years after our last shipment of this product. This offer is valid to anyone in receipt of this information.

Licenses

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

POWERED BY
QUICKSET
(Magic Remote supported models only)

HEVC Advance™
Covered by Patents at patentlist.hevcadvance.com

Regulatory

WARNING!

Never place a television set in an unstable location. A television set may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the television set.
- Only using furniture that can safely support the television set.
- Ensuring the television set is not overhanging the edge of the supporting furniture.
- Not placing the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
- Not placing the television set on cloth or other materials that may be located between the television set and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television set or its controls.

If your existing television set is being retained and relocated, the same considerations as above should be applied.

Symbols

~	Refers to alternating current(AC).
⎓	Refers to direct current(DC).
⧈	Refers to class II equipment.
⏻	Refers to stand-by.
|	Refer to "ON" (power).
ϟ	Refers to dangerous voltage.

Important Information for Preventing Image Retention

OLED is a self-emissive technology, which brings many significant benefits to image quality and performance. As with any self-emitting display, it is possible for users of OLED TVs to experience temporary image retention under certain conditions, such as when displaying a static image on the screen for a long time. LG OLED TVs incorporate dedicated functions that protect the screen from possible image retention.

If a static image persists on screen, screen brightness is automatically reduced in specific areas of, or across the entire screen. Once the static image disappears, screen brightness will automatically return to its prior setting. This is not a product malfunction.

Examples of Images that may Cause Image Retention

- Still images or fixed images containing certain information that are displayed uninterrupted on the screen, such as channel numbers, station logos, program titles, news or movie subtitles, and headlines.
- Fixed menu or icons for video game consoles or broadcasting set-top boxes.
- Black bars shown on the left, right, top, or bottom of the screen, such as in images with a 4:3 or 21:9 ratio.

Recommended Measures for Preventing Image Retention

- Avoid watching a video displaying an image as listed above for extended periods of time.
- Adjust your TV settings as below when turning on a video exhibiting an image as listed above for extended periods of time.
  - ⚙ → ⋮ → [Picture] → [Picture Mode Settings] → [Picture Mode] → [Eco]
  - ⚙ → ⋮ → [Picture] → [Picture Mode Settings] → [OLED LIGHT] → Adjust to lower value
  - ⚙ → ⋮ → [Picture] → [OLED Screen Saver] → [Logo Luminance Adjustment] → [High]
- Turn off the menu bar of an external device, such as a set-top box, to prevent long-term display of the menu bar of such device. (Please refer to the manual of the applicable external device for instructions.)
- Adjust the settings as below when watching a video constantly showing black bars on the left, right, top or bottom, in order to remove the black bars.
  - ⚙ → ⋮ → [Picture] → [Aspect Ratio Settings] → [Aspect Ratio] → [Vertical Zoom] or [4-Way Zoom]

Information on Functions Supporting Image Quality in Relation to Temporary Image Retention

- LG OLED TVs provide a feature called Pixel Refresher, which helps to prevent temporary image retention.
- When the accumulated television viewing time reaches 2,000 hours or more (this is equivalent to watching TV for five hours a day over the course of a year), Pixel Refresher will be automatically activated once your TV is turned off. When turning off your TV, a notice will appear on the screen informing the activation of Pixel Refresher. This feature will run for 1.5 hour while your TV is turned off. A horizontal line may appear at the top or bottom of the screen when the process is almost finished.
- You may also manually activate Pixel Refresher via the TV menu: ⚙ → ⋮ → [Picture] → [OLED Screen Saver] → [Pixel Refresher].
- Whenever you watch your TV for more than four cumulative hours, Pixel Refresher will be automatically activated for a few minutes once your TV is turned off. (Note: Pixel Refresher will not be activated if the power cord of your TV is not plugged in or the main power is off.)

LG SIGNATURE

The model and serial number of the product are located on the back and on one side of the product.
Record them below in case you ever need service.

Model _____

Serial No. _____