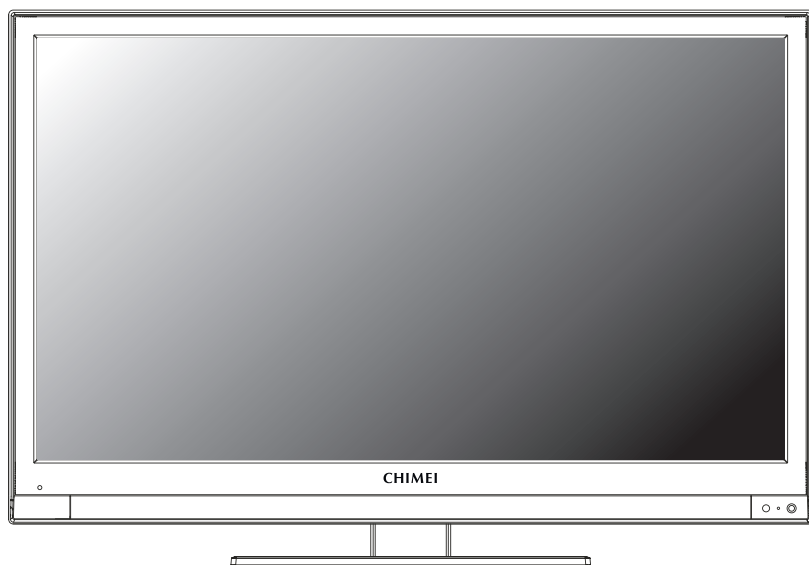
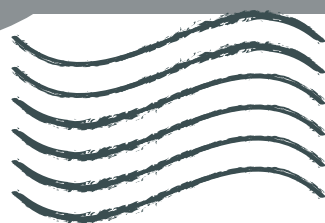


CHIMEI

USER'S MANUAL

多媒體液晶顯示器
使用手冊



42" TL-42X7000D

47" TL-47X7000D

使用手冊

多媒體液晶顯示器

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TruSurround XT 是 SRS Labs, Inc. 的註冊商標。

本產品已獲 SRS Labs, Inc. 授權使用 SRS TruSurround XT 技術。

重要安全性指示



閱讀及遵守所有指示、牢記各項警示事項、請妥善保存指示



注意

為避免電擊請勿打開本產品



警告：為避免火災或電擊，請勿讓本產品暴露於雨水或水氣中。



本標誌表示產品內部有未絕緣的「危險電壓」存在，有觸電危險。



內部含有驚嘆號的等邊三角形，主要在提醒使用者：此處具有重要的操作及保養(維修)指示，請參閱隨機所附的說明文件。

【關於安裝及使用】

-  請依製造商指示安裝，務必使用製造商所指定的配件/附件。
-  本設備須依據安裝指示緊接於地面或牆上，請勿置於不穩定的架子或桌面上，若置於不穩定的架子或桌面，可能會造成傷害。
-  務必使用製造商所指定或隨設備所附的台車、腳架、三角架、支架或機檯。若使用台車搬移設備時，應特別注意勿使上層物品掉落，以免造成人員受傷。
- 當搬移本多媒體液晶顯示器時請勿過量施力於喇叭處，請務必由兩人及雙手同時搬運，以免掉落。
- 請勿讓異物刺穿多媒體液晶顯示器外殼，以避免觸碰液晶顯示器內部之高壓電裝置或導致內部零件受損。
-  請勿安裝於任何接近熱源之處，例如暖爐、散熱器、爐灶或其他可能產生熱能的設備(包含擴大機)。
-  請勿將任何無加蓋的火源(如已點燃的蠟燭)放在本裝置上。
-  請勿安裝於水源附近、水份滴落、潑濺之處，亦不可將花瓶之類盛水器具置放於設備上方。
-  禁止將多媒體液晶顯示器安裝於浴室或淋浴室，否則會引起火災或導致人員有觸電之危險。
- 若您使用本多媒體液晶顯示器來玩遊樂器、電腦或類似產品，請將亮度與對比功能保持在較低設定。如果螢幕長時間顯示高亮度或高對比的固定(不移動的)影像，則影像可能會永久留存在螢幕上。
- 多媒體顯示器勿緊靠牆面，防範熱源使電線老化。
- 請定期(建議一個月一次)清理多媒體顯示器背後灰塵，棉球等易燃物。

重要安全性指示

【關於電源】



為安全起見，多媒體液晶顯示器之插頭設計只能以特定的方向插入電源插座；為避免裝置遭受電擊，並請確保插頭完全插入插座內。如果您無法將插頭插入電源插座內，請聯絡經銷商。

- 切勿擅自變更專為安全而設計的極化型或接地型插頭。極化型插頭具有一寬一窄的扁平接腳。接地型插頭則具有兩支扁平接腳及一支圓形接地接腳。較寬的扁平接腳或圓形的接地接腳均為安全設計。若插頭與您的電源插座不符，則應洽請電機專業人員為您汰換舊式規格的電源插座。本設備必須連接使用具有接地線的電源插座。
- 多媒體液晶顯示器所使用之電源規格，會詳列於標有序號/機型的標籤上。請盡可能使用標示上之電源規格類型，如果您不確定您家裡使用的電源類型，請聯絡經銷商或您當地的電力公司。
- 請避免電源插座或延長線負載過量，否則可能會引起火災或導致人員有觸電之危險。請選購過載會自動斷電的延長線。
- 請勿將任何物品壓到或纏繞到多媒體液晶顯示器之電源線，勿將電源線合網或捲起，會妨礙散熱，且避免將多媒體液晶顯示器置於容易磨損電源線之處，僅可使用正確的電源線。
- 電源線應避免佈線於人員行經之處，且不可拉扯插頭、電源插座及設備出線處的纜線部份，若有破損，應立即更換。
- 雷雨期間或長期不使用本設備時，請將電源插頭拔下。
- 請勿將電源線靠近會產生熱能的設備，電源線外皮若融化或損壞，可能會引起火災或觸電的危險，更不可於電源線旁放置紙張等易燃物。
- 即用型家電耦合裝置可作為本設備的電力切斷裝置。
- 若在國外購買與使用本產品，請使用合乎當地法令的合用電源線。
- 各式電源線應做定期檢查清潔，留意寵物、老鼠等是否咬損，若有損壞即須更換。

【關於通風】



- 多媒體液晶顯示器背後的通風口係為通風與散熱所設計，周圍須保留10公分的空間。切勿阻礙任何通風開口。請保持通風口暢通。
- 請勿將多媒體液晶顯示器放在床上、沙發或地毯上，以免通風口被阻塞。
- 請勿將多媒體液晶顯示器置於密閉空間中或侷限空間內，如書架、書櫃或是液晶顯示器櫃子。
- 請避免使本多媒體液晶顯示器受到日光直射。

重要安全性指示

【關於液晶螢幕】

1.  由於液晶面板內液晶特性，長時間使用 4:3 畫面觀賞，或長時間處於同一畫面靜止時，將會導致面板產生影像殘留 (Image Sticking) 問題，故建議您不要長時間使用 4:3 畫面觀賞，或是長時間畫面靜止，如果因此產生影像殘留或畫面異常將無法維修也不在保固範圍。
2. 液晶面板是由高精密技術製造，但因目前市面上液晶面板之製造技術尚無法保證 100% 無亮點或暗點，恕不提供液晶面板無亮暗點保證，敬請見諒。
3. 因本多媒體液晶顯示器設有保護裝置，於電源開啟後需等待約十秒鐘，畫面方能顯現。

【有線電視】

本液晶顯示器接收器如果非用於私人觀賞 UHF、VHF 或有線電視系統為一般大眾傳送的節目廣播，則可能需要廣播業者/有線電視業者/節目所有人的授權。

清潔保養事項

【關於清潔多媒體液晶顯示器的注意事項】

1. 請以柔軟的乾布來清潔多媒體液晶顯示器。
2. 請勿使用稀釋劑或甲苯等強烈的溶劑，否則可能會損傷多媒體液晶顯示器之外殼。
3. 清潔多媒體液晶顯示器前，請先確認電源是否已關閉及插頭是否已拔出。
4. 本設備僅適用於一般影音娛樂用途，不建議使用於影像專業工作上。
5.  液晶面板結構精密，請勿以外力施壓以免破裂壞。
6.  為了避免傷害液晶面板，請勿將任何液體沾附於液晶面板上，例如：水、化學藥品、清潔液或濕布等。

維修服務事項

【關於維修】



請勿嘗試自行修理本多媒體液晶顯示器。本多媒體液晶顯示器機櫃內有高壓零件，可能導致觸電的危險。

1. 若發生下列任何一種情況時，請先將本多媒體液晶顯示器的插頭拔掉，然後聯絡當地經銷商或請合格人員來維修本多媒體液晶顯示器：
 - 1.1 電源線或電源插頭損壞或破損時。
 - 1.2 有液體濺入本多媒體液晶顯示器內。
 - 1.3 本多媒體液晶顯示器受潮或淋到雨。
 - 1.4 本多媒體液晶顯示器外殼有損壞。
 - 1.5 本多媒體液晶顯示器功能異常。
 - 1.6 自高處摔落。
2. 所有維修事宜請洽合格的維修人員執行。
3. 更換零件
若本多媒體液晶顯示器需要更新零件，請洽合格技師索取所需零件的書面證明。
4. 安全性檢查
本多媒體液晶顯示器經修理後，請記得要求技師進行定期安全性檢查(依廠商規定)，以確保本多媒體液晶顯示器的安全性。
5. 如果本多媒體液晶顯示器已經超過使用壽命，請聯絡合格維修技師處理。
6. 此處各項維修指示僅供合格維修人員使用。為避免電擊危險，非經合格認證者，不得執行操作手冊範圍以外的維修工作。

【使用記錄】



請詳閱並遵守手冊內的所有警告與指示。未詳閱並遵守者，其保固將失效。若未經許可改造本多媒體液晶顯示器，則保固將立刻失效。

1. 您可以在本多媒體液晶顯示器背面看到此產品之序號和機型標籤。當聯絡經銷商或合格維修人員時，請提供該序號。
2. 電量耗盡或放電完畢的電池，務必依各項適用的法令與規定進行回收或棄置。相關詳盡資訊，請洽您所在國家的固體廢置物負責單位。



廢電池請回收

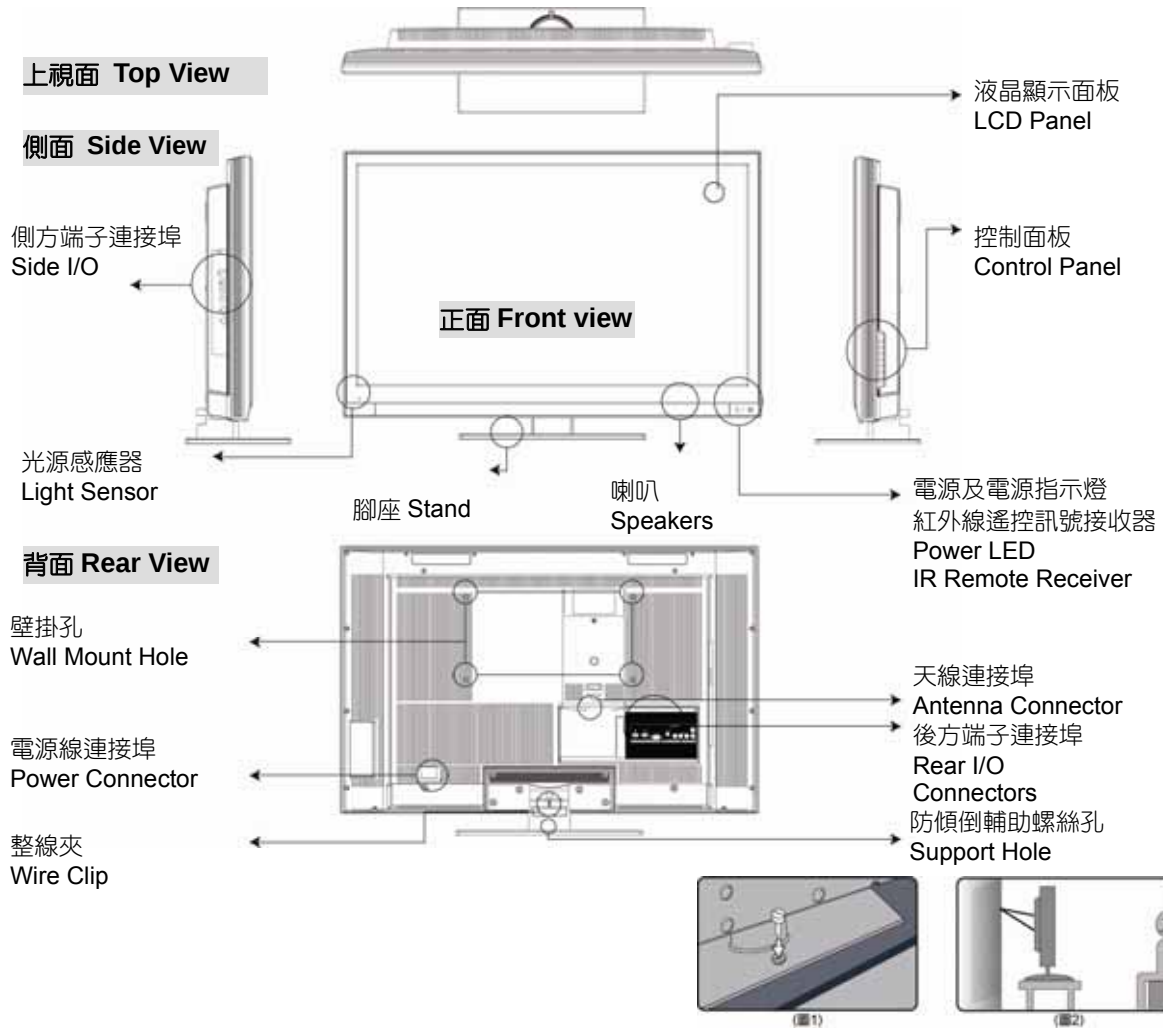
【顯示器廢棄處理方式】

依據環保署規定，顯示器於廢棄時須經妥善處理，以免對環境造成不良影響。

當您的顯示器要廢棄時，請依廢棄處理方法處理：

1. 購買新顯示器時，可委由經銷商回收欲汰換之顯示器
2. 可洽廢電子電器物品之資源回收管理基金管理委員會，服務專線：0800-085-717

外觀及附件說明



配件



1. 遙控器



2. 遙控器電池 X 2



3. 說明書



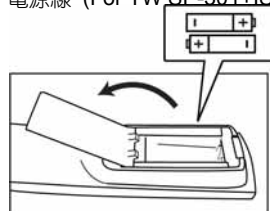
4. 電源線 (For TW SP-301+IS-14 VCTF 1.25/3C)

防傾倒輔助螺絲孔：

1. 操作前，應在穩固桌面上安裝螺絲(建議尺寸:T4X12) (圖1)。
2. 您擺放液晶顯示器的桌面無法鎖螺絲定位時，請您額外使用二顆螺絲(建議尺寸:M6X16) 栓於液晶顯示器的背蓋壁掛孔並拉鋼線固定在牆壁上(圖2)，以策安全。

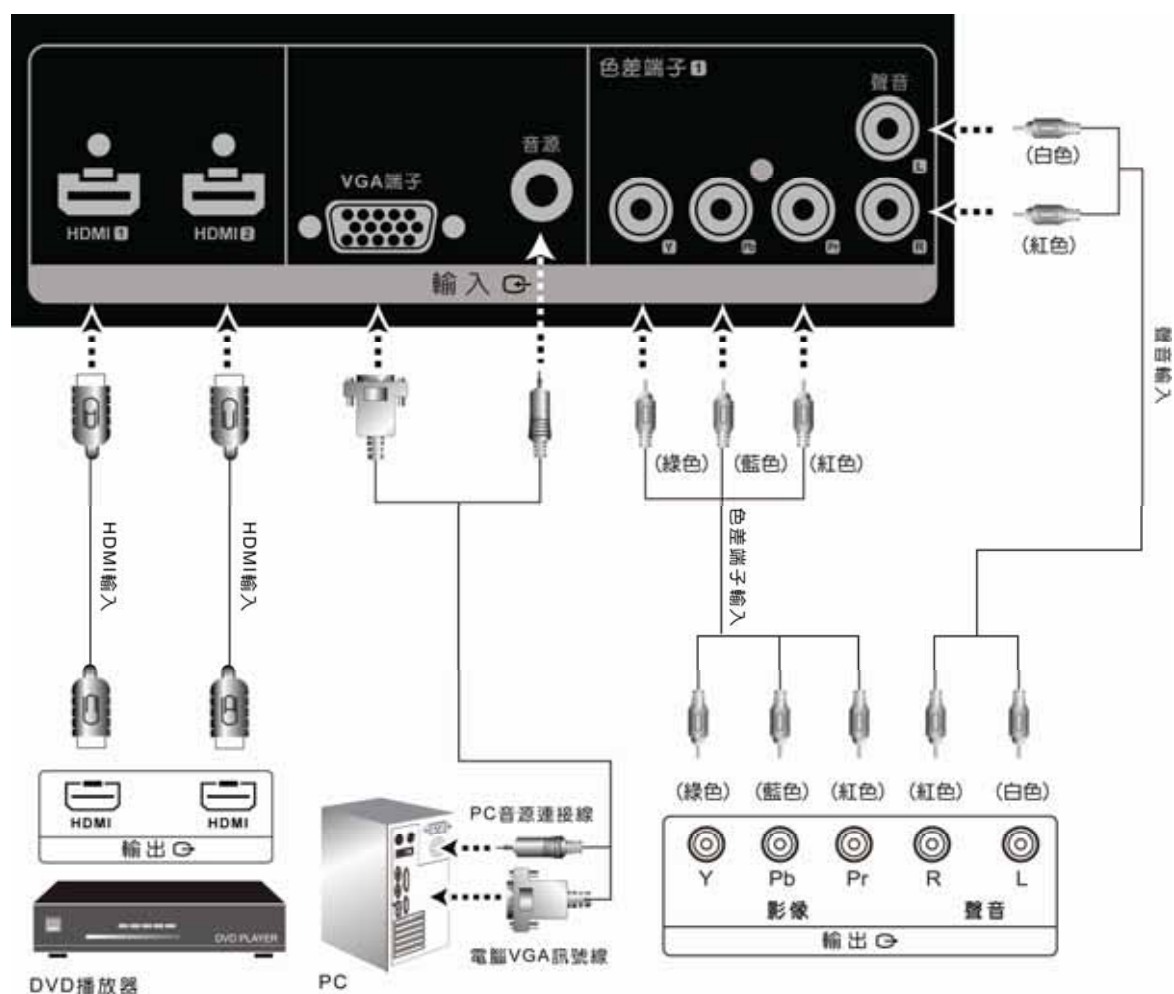
安裝電池

1. 將兩顆四號電池裝進遙控器中。
注意正、負極的方向是否正確。
2. 蓋上電池蓋。



如果長時間沒有使用遙控器，請將電池取出，以免液體外漏而造成損壞。
使用遙控器時請小心。請勿將遙控器掉落至地面。避免潮濕、日光直射以及高溫。

後方端子連接埠

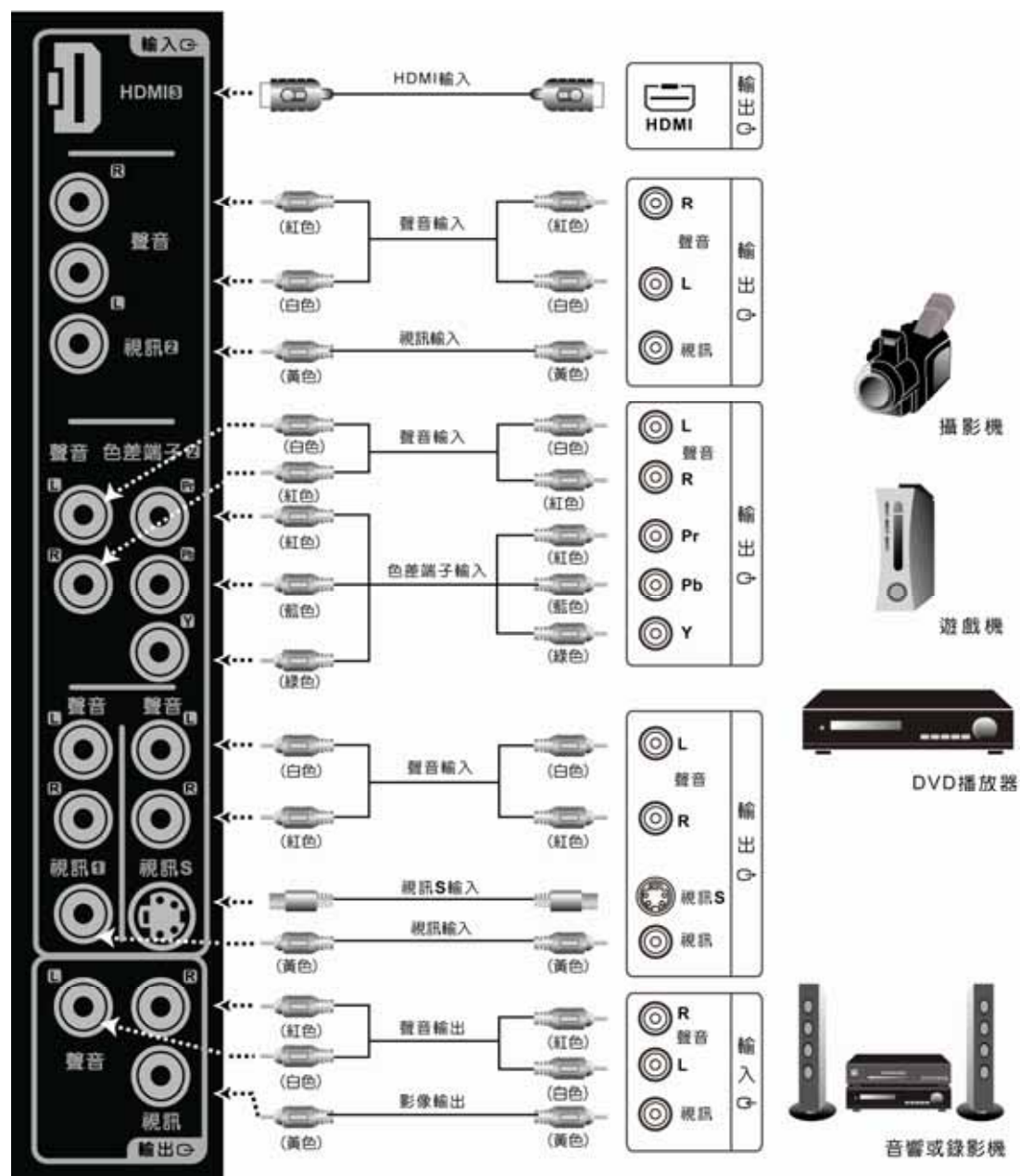


連接埠（輸入）	功 能
HDMI 1 / 2	高畫質多媒體數位介面： 可連接使用於有高畫質影像/聲音訊號-HDMI 端子輸出的裝置。 此連接埠支援 HDTV 影像訊號或是 PC-DVI 訊號。 ※DVI 訊號是經由 HDMI 輸入，需配合使用 HDMI 轉 DVI 連接線，聲音連接共用 VGA-音源輸入端子。
VGA	VGA 與音源端子： 可連接到有 VGA(RGB 類比訊號)端子及聲音輸出的裝置，如電腦等設備。 ※音源輸入端子為 VGA/DVI(HDMI)共用，端子為 3.5mm 插孔。
色差 1	色差端子與聲音端子： 可連接使用於有色差(YPbPr)及聲音 R(右)/L(左)輸出的裝置。此連接埠可支援循序掃描(Progressive)功能之 DVD 播放器或高階 HDTV 解碼器及衛星接收器，進而可得到高解析度畫面。

※以上詳細支援訊號規格，請參考本說明書後面產品規格頁。

多媒體液晶顯示器操作方式 各項接頭及插槽

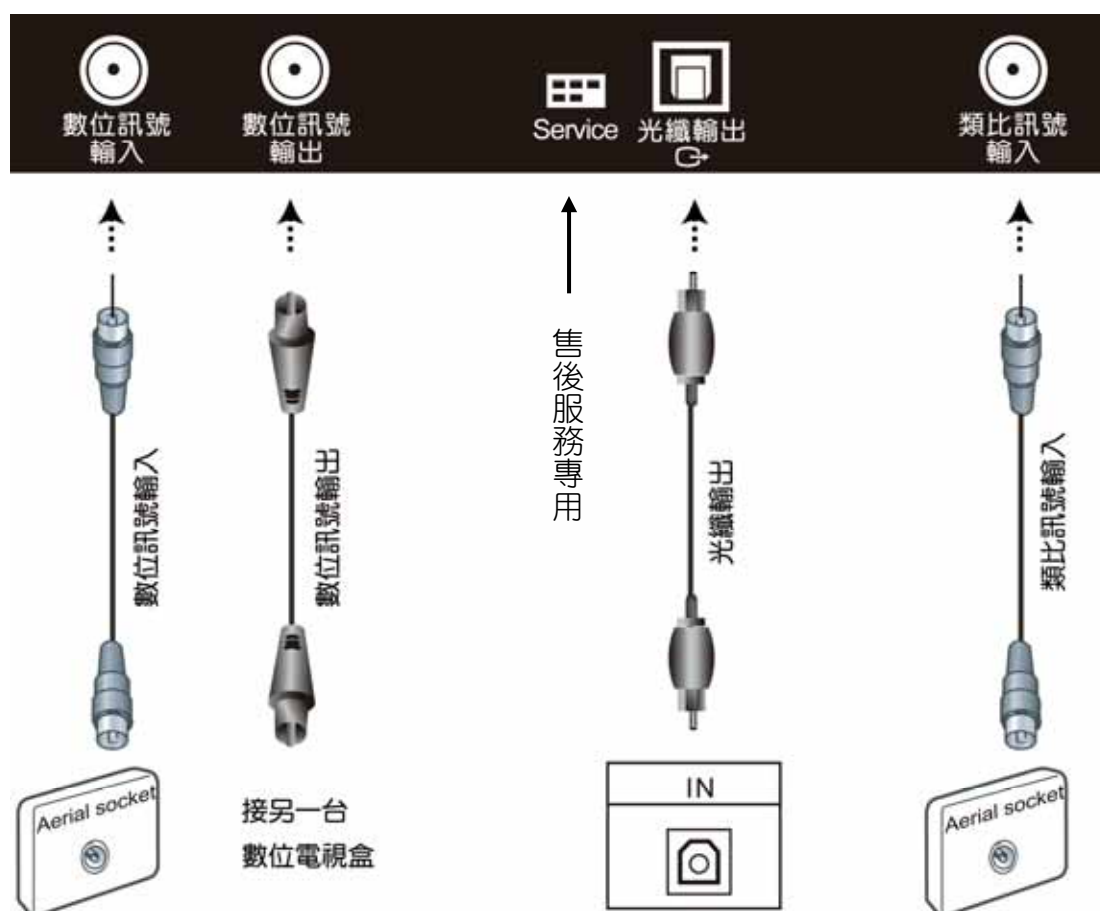
側方端子連接埠



連接埠（輸入）	功 能
HDMI 3	高畫質多媒體數位介面： 可連接使用於有高畫質影像/聲音訊號-HDMI 端子輸出的裝置。 ※ 當使用 HDMI 連接 PC-DVI 時，因市售顯示卡各廠牌相容性略有出入， 所以請優先使用 HDMI1 or 2 來連接使用。
視訊 2	AV 影像端子與聲音端子： 可連接使用於有 AV 影像(複合訊號)端子及聲音 R(右)/L(左)輸出的裝置。
色差 2	色差端子與聲音端子： 可連接使用於有色差(YPbPr)及聲音 R(右)/L(左)輸出的裝置。
視訊 1	AV 影像端子與聲音端子： 可連接使用於有 AV 影像(複合訊號)端子及聲音 R(右)/L(左)輸出的裝置。
視訊 S	S 影像端子與聲音端子： 可連接使用於有 S 影像(Y/C)端子及聲音 R(右)/L(左)輸出的裝置。
連接埠（輸出）	功 能
視訊	可連接於有影像(AV)與聲音輸入端子之擴大器或錄影裝置。 ※ 影像輸出僅限：電視/數位電視/視訊 1/視訊 2/視訊 S 訊號來源，其餘訊 號來源僅會輸出其聲音。聲音輸出不受本機音量大小控制。

※以上詳細支援訊號規格，請參考本說明書後面產品規格頁。

天線連接埠



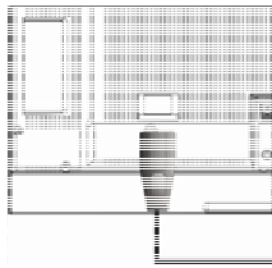
連接埠	功能
數位訊號輸入	連接至數位電視天線(訊號)。
數位訊號輸出	連接至另一台數位電視盒或錄影裝置。
光纖端子	可連接於有光纖輸入之擴大器或裝置。 ※ 光纖輸出僅為聲音訊號，訊號為數位處理故可得到較佳的聲音品質。 ※ 光纖輸出僅為數位電視訊號來源。
類比訊號輸入	連接至類比(無線/有線)電視天線或訊號。

※ 數位電視支援 SD-正常訊號頻道(不支援 HD-高畫質訊號頻道)。

※ 本產品需另購電視視訊盒才可使用電視功能。

開啟多媒體液晶顯示器

1. 將電源線插入多媒體液晶顯示器背面的電源插孔，另一端電源線插入電源插座，按下多媒體液晶顯示器背面的電源按鍵(I)就可以開啟及關閉總電源。

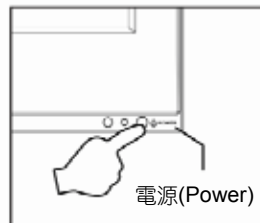


AC 100~240V

電源線插頭會依國家不同而有所不同。



2. 按下在顯示器右下方的電源按鍵(Power)就可以開啟及關閉多媒體液晶顯示器。

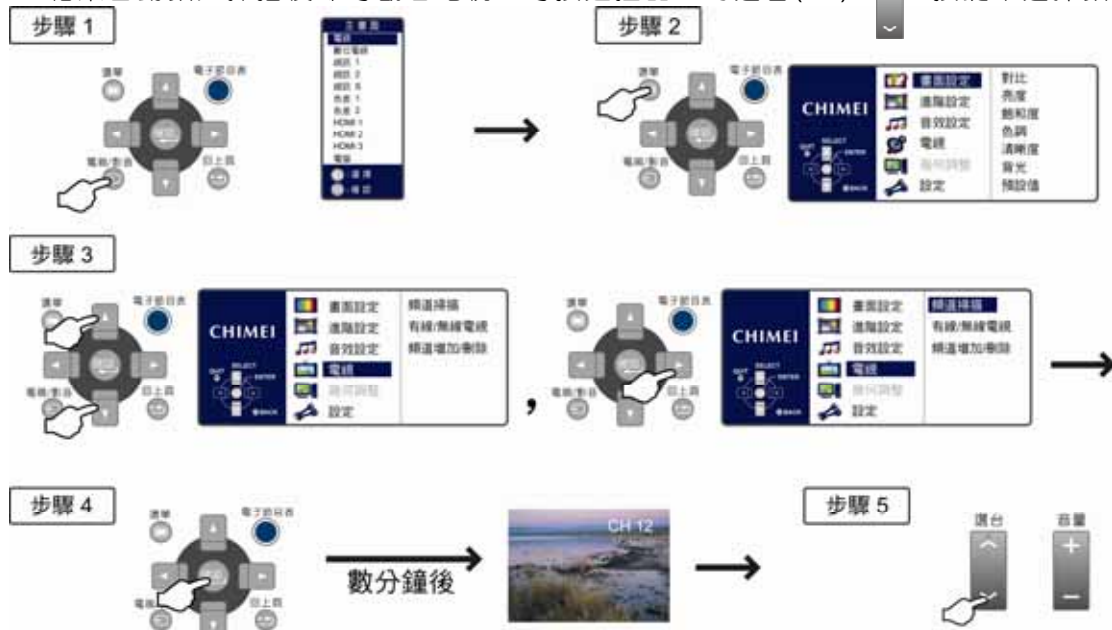


- 電源開啟，LED 指示燈會變成綠色
- 電源關閉，多媒體液晶顯示器會進入待機狀態，且 LED 指示燈會變成紅色。

頻道掃描(類比電視)

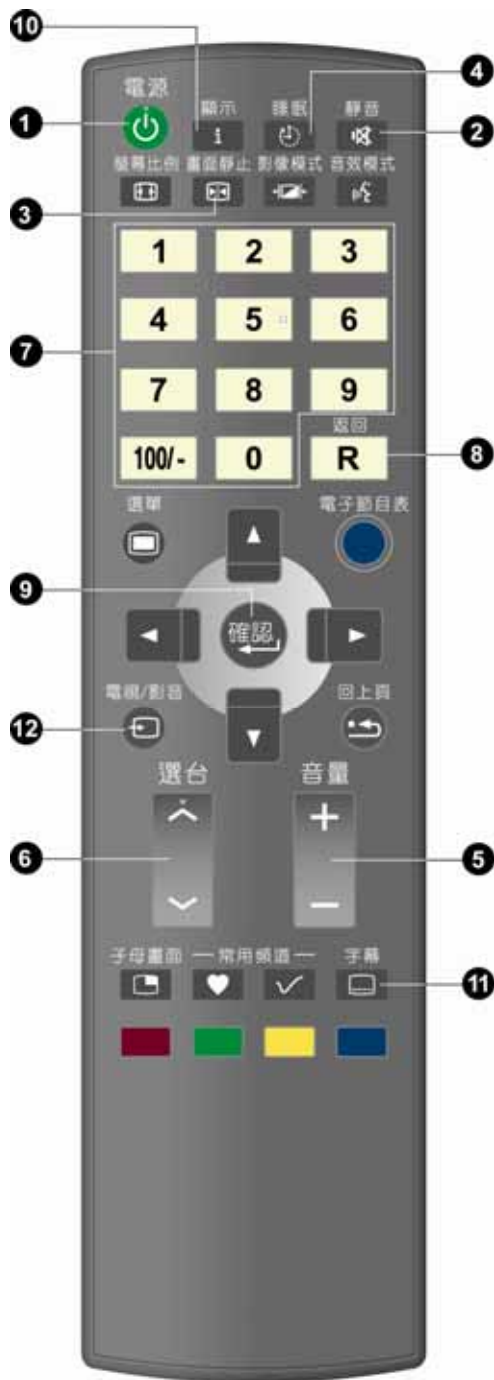
在第一次裝機時必須執行自動頻道掃描。(本產品需另購電視視訊盒才可使用電視功能)

1. 按下遙控器上的“電視/影音”鍵或多媒體液晶顯示器控制面板上的“輸入源”鍵選擇電視模式。
2. 按“選單”按鍵 打開OSD畫面。
3. 按 鍵選擇“電視”，再按 鍵移至“頻道掃描”選項。
4. 按確認鍵即開始自動執行頻道掃描。(執行自動頻道掃描時，會花費數分鐘去執行掃描有效的頻道)
5. 結束自動頻道掃描後即可觀看電視。可按遙控器上的選台(CH) 按鍵來選擇頻道。





按 鍵	功 能
選單 (MENU)	調整選單 在顯示器上方的選單(MENU)按鍵用來顯示選單以便修改多媒體液晶顯示器的設定值。若要顯示多媒體液晶顯示器的螢幕控制視窗，請按下選單(MENU)按鍵。按下調整▲▼◄►可調整快速選單項目的內容。
選台 CH (FUNCTION ▲/▼)	選擇頻道(限電視模式下使用) 使用在顯示器上方的選台(CHANNEL) ▲/▼ 按鍵來選擇頻道。 (限電視模式下使用，本產品需另購電視視訊盒才可使用電視功能) ※在操作選單(MENU)模式下，其功能相當於選擇功能之上下鍵。
音量 VOL + / - (ADJUST ◄ / ►)	調整音量 在顯示器上方的音量(VOLUME) + / - 按鍵可調整多媒體液晶顯示器的音量。 ※在操作選單(MENU)模式下，其功能相當於調整功能之左右鍵
輸入源 (SOURCE)	選擇訊號來源 按下在顯示器上方的輸入源按鍵，可以依序選取： 電視 / 數位電視 / 視訊 1 / 視訊 2 / 視訊 S / 色差 1 / 色差 2 / HDMI 1 / HDMI 2 / HDMI 3 / 電腦 等模式。 ※在操作選單(MENU)模式下，此鍵做為確認(ENTER)鍵使用。
耳機聲音輸出 (Earphone Output)	這個連接埠可以連接耳機(16Ω或 32Ω)聲音輸出訊號。 ※接上耳機後，多媒體液晶顯示器喇叭將會停止聲音輸出。

**1. 電源 <POWER>**

開啟多媒體液晶顯示器，或者進入待機狀態。

2. 靜音 <MUTE>

可保持靜音。再次按下或者按音量+/-按鍵，便可恢復原來的音量。

3. 畫面靜止 <FREEZE>

可靜止畫面。再次按下按鍵，便可恢復。

4. 睡眠 <SLEEP>

重複按下這個按鍵，就可以設定睡眠自動關機時間為關 / 15 / 30 / 60 / 90 / 120分鐘(MIN)。

5. 音量+/- <Volume +/->

調整音量大小。

6. 選台 ^ v <Channel ^ v>

選擇頻道。

7. 0~9, 100/- 數字鍵

按下0~9, 100/- 便可選取從01到125的頻道。按下的頻道若超出125，則視窗將停留在設定時的頻道不做任何切換。

8. 返回 <RETURN>

回到前一個頻道。

9. 確認 <ENTER>

選擇1~9頻道時,可直接按1~9數字鍵待數秒後自動切換;或按1~9數字鍵後按確認(ENTER)直接切換。

10. 顯示 <Display>

可以顯示目前模式資訊。包含：主畫面 / 訊號源 / 訊號格式。

11. 字幕 <C.C.: Close caption>

可啟動字幕的功能。(此項功能僅適用於北美NTSC的系統)。

12. 電視/影音 <TV/VIDEO>

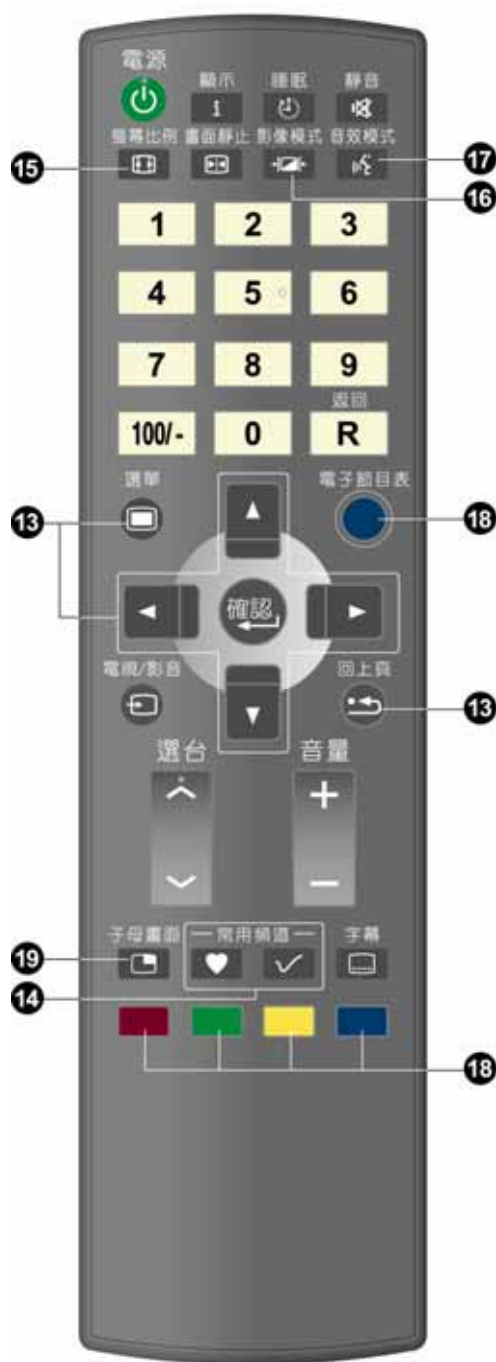
可選擇主畫面訊號來源。

1. 您可以藉由遙控器上的“電視/影音”鍵 (TV/VIDEO)切換主畫面的訊號來源。

主畫面切換依序為：電視 / 數位電視 / 視訊1 / 視訊2 / 視訊S / 色差1 / 色差2 / HDMI 1 / HDMI 2 / HDMI 3 / 電腦。

2. 所選擇的訊號源會顯示在螢幕的上方。

3. 每種顯示模式下的選單(OSD MENU)皆可設置選定於該模式下所特有的選項。



13. 選單〈MENU〉及調整功能鍵▲▼◀▶

可啟動多媒體液晶顯示器的選單。再按一次就可以退出選單。並且使用▲▼◀▶來選擇選單項目及調整設定值。按”◀▶”鍵即可回覆至上一頁。

14. 常用頻道

選擇常用頻道。
依事先設定之”常用頻道”順序做循序顯示。

常用頻道編輯按鍵 。

1. 切換至您將設定的頻道。
2. 按下  鍵開啟常用頻道編輯畫面。
3. 按數字鍵1~9選擇您要設定的位置。(共有9組可設定)，即可儲存為常用頻道。
4. 該位置即會顯示您已設定的頻道號碼。未設定的位置會顯示”0”

* 詳細操作請參考P15頁

15. 螢幕比例〈ASPECT〉

視窗比例選擇模式，依序模式有：

16:9 / 放大Zoom1 (縮放模式1) / 放大Zoom2 (縮放模式2) / 遊戲(game) / 4:3。



16. 影像模式〈PICTURE〉

可選擇影像進階設定，模式有：鮮明/運動/影片/遊戲/使用者。

17. 音效模式〈MTS〉

可選擇音效模式，模式有：立體聲 / 單聲道 / 副聲道。

18. 電子節目表〈EPG〉

顯示電子節目表選單
(此項功能只限有數位電視接收之機種)。

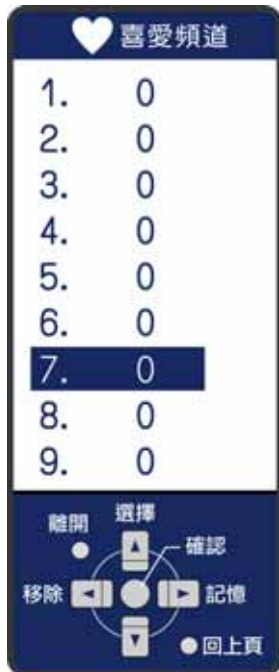
19. 子母畫面PIP(Picture in picture)

顯示子母畫面功能選單。

* 詳細操作請參考P16頁

常用頻道功能操作 Favorites Channel (限類比電視模式下使用)：

按下遙控器常用頻道編輯按鍵 ，開啟喜愛頻道列表顯示：



操作鍵指示

其使用操作方法如下：

加入頻道：

1. 首先先選台至要加入的電視頻道。
2. 按下遙控器的“常用頻道”編輯按鍵 ，螢幕出現喜愛頻道列表(如上圖)。
3. 按遙控器   鍵移動到想要記憶的位置。
4. 按下  鍵，完成喜愛頻道加入。
5. 該位置即會顯示您已設定的頻道號碼。未設定的位置會顯示“0”

移除頻道：

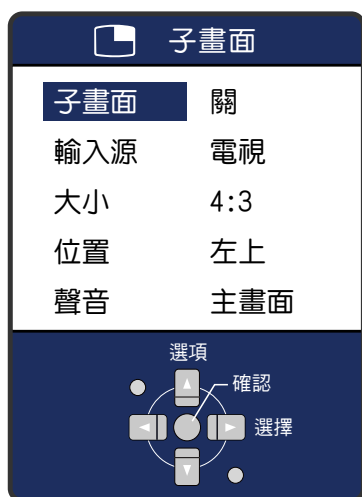
1. 按下遙控器的“常用頻道”編輯按鍵 ，螢幕出現喜愛頻道列表(如上圖)。
2. 按遙控器   鍵移動到想要移除的位置。
3. 按  鍵，完成喜愛頻道移除。

觀看喜愛頻道：

1. 按下遙控器的“常用頻道”選台按鍵 ，則可依序(循環)觀看喜愛頻道列表內所有頻道(共 9 台)。

子母畫面(PIP)：

按下遙控器子母畫面按鍵 ，功能表單顯示：



子畫面



其使用操作說明如下：

1. 子畫面：關閉/開啟
2. 輸入源：選擇子畫面訊號來源(請參考以下對照表)。
3. 大小：選擇子畫面顯示比例，16:9 或 4:3。
4. 位置：選擇子畫面顯示位置，右下、右上、左上、左下。
5. 聲音：選擇聲音輸出來源，主畫面或子畫面。

子母畫面選擇對照表：

		MAIN PICTURE (母畫面)						
SUB PICTURE (子畫面)		TV	DTV(S)	AV	SV	YPbPr	VGA	HDMI
	TV		X	X	X	O	O	O
	DTV(S)	X		X	X	O	O	O
	AV	X	X		X	O	O	O
	SV	X	X	X		O	O	O
	YPbPr	X	X	X	X		X	X
	VGA	X	X	X	X	X		X
	HDMI	X	X	X	X	X	X	

※子母畫面功能僅能在 色差 1 / 色差 2 / HDMI 1 / HDMI 2 / HDMI 3 / 電腦 模式下啟用。

1. 使用者可直接使用遙控器上的“**電視/影音**”鍵(TV/VIDEO)來選擇訊號來源。
偵測到訊號來源後，在螢幕的右上方會顯示所選擇的系統模式。
2. 選擇系統模式後，使用者可以按下選單鍵(MENU)執行以下的功能：



畫面設定(PICTURE)

根據您所觀賞的節目類型，提供更多的畫面模式及功能，讓您調整有關畫面色彩與亮度的設定值。



進階設定(ADVANCE)

根據您所觀賞的節目類型，進一步提供調整有關強化畫面色彩與亮度的設定值。



音效設定(AUDIO)

提供更多的音效選擇。您也可以設定自己多媒體液晶顯示器的音效環境。



電視(TV) (在 TV 模式下使用)

設定自己喜歡的頻道。



幾何調整(GEOMETRY):在 PC 模式下使用。

相位調整:PC 與 YPbPr 色差端子均可使用。



設定(SETUP)

設定螢幕顯示語言、選單背景、其他功能設定。

畫面設定〈PICTURE〉

1. 按下遙控器上的選單  按鈕，便可顯示主選單。
2. 利用▲▼鍵選擇所要調整的主項目”畫面設定(PICTURE)”。
利用▶鍵移至您所調整的次項目。
3. 利用遙控器上的▲▼鍵，選擇您想要調整之項目。
按確認鍵進入調整之項目。
4. 使用遙控器上的◀▶鍵，調整該項目之設定值。
5. 再按一下選單按鈕 ，便可離開此畫面。



選單	說明
對比 (Contrast)	按◀▶鍵讓畫面的對比提高或降低。
亮度 (Brightness)	按◀▶鍵讓畫面變亮或變暗。
飽和度 (Saturation)	按◀▶鍵調整畫面色彩飽和度。
色調 (Hue)	按◀▶鍵可調整紅色及綠色的顏色。
清晰度 (Sharpness)	按◀▶鍵讓畫面變得較清晰或較柔和。
背光 (BackLight)	按◀▶鍵調整畫面背光亮度。(越低背光值越省電，增加壽命)。
預設值 (Reset)	按◀▶鍵可回復此選單內所有設定值回至出廠預設值。

進階設定＜ADVANCE＞

1. 按下遙控器上的選單按鈕 ，便可顯示主選單。
2. 利用▲▼鍵選擇所要調整的主項目”進階設定(ADVANCE)”。
利用▶鍵移至您所要調整的次項目選單。
3. 利用▲▼鍵，選擇您想要調整之項目。
按確認鍵進入調整之項目。
4. 使用遙控器上的◀▶鍵，調整該項目之設定值。
5. 再按一下選單按鈕 ，便可離開此畫面。



選單	說明
色溫 (Color Temperature)	按◀▶鍵可調整面之色溫：冷色系 / 正常 / 暖色系。
對比強化 (Super Contrast)	按◀▶鍵可調整畫面之對比：強 / 中 / 弱 / 關閉。
顏色強化 (Super Color)	按◀▶鍵調整顏色的強度：關/自然/鮮明/影片。
Gamma	按◀▶鍵調整畫面灰階曲線：HDTV/正常/遊戲。
動態對比 (Dynamic Contrast)	按◀▶鍵選擇 關 / 光感應 / 影像。增強畫面的動態對比。 光感應：系統會自動偵測環境亮度進而自動調整背光亮度。 如環境亮度變暗則系統會自動調暗背光亮度。 影像：系統會自動偵測影像訊號進而自動調整背光亮度。 如畫面場景較暗時則系統會自動調暗背光亮度。 ※開啟此功能時,如有高速移動之畫面,則可能會造成暫時性亮度的些許調變,此為正常現象。 ※當開啓動態對比功能時，背光調整功能則無作用。 ※動態對比：此模式可節能約平均 25%，並增加燈管壽命。

音效設定 <AUDIO>

1. 按下遙控器上的選單按鈕 ，便可顯示主選單。
2. 利用▲▼鍵選擇所要調整的主項目” 音效設定(AUDIO)”。
利用▶鍵確定您所要調整的主項目。
3. 按下遙控器上的▲▼鍵，選擇您想要調整之項目。
按確認鍵進入您所要調整之項目。
4. 使用遙控器上的◀▶鍵，調整該項目之設定值。
5. 再按一下選單按鈕 ，便可離開此畫面。



選單	說明
平衡 (Balance)	按◀▶鍵可調整左、右聲道的平衡。
低音 (Bass)	按◀▶鍵可調整低音的音量。
高音 (Treble)	按◀▶鍵可調整高音的音量。
SRS TruSurround XT (環繞音效)	按◀▶鍵可調整環繞音效：開啟 / 關閉。 (當 SRS 開啟時，低音 / 高音調整功能將無法使用)
重低音 (SubWoofer)	按◀▶鍵可調整重低音：關 / 低 / 中 / 高。
預設值 (Reset)	按◀▶鍵可回復此選項內所有設定值回至出廠預設值。

電視 <TV> (在TV模式下)

1. 按下遙控器上的選單按鈕 ，便可顯示主選單。
2. 利用▲▼鍵選擇所要調整的主項目”電視(TV)”。
利用▶鍵確定您所調整的主項目。
3. 按下遙控器上的▲▼鍵，選擇您想要調整之項目。
按確認鍵進入您所調整之項目。
4. 使用遙控器上的◀▶鍵，調整該項目之設定值。
5. 再按一下選單按鍵 ，便可離開此畫面。



選單	說明
頻道掃描 (Channel Scan)	在頻道掃描選項，按確認鍵，即可執行自動頻道掃描。 在第一次裝機時必須執行自動頻道掃描。
有線/無線電視 (CATV / AIR)	CATV (有線電視) / AIR (無線電視) 按下遙控器上的◀▶鍵，以便選擇電視訊號(無線/有線電視)。 AIR (無線電視)：如果您是使用天線，請設定這個項目。 CATV (有線電視)：如果您是透過有線電視統接收節目，請設定這個項目。
頻道增加/刪除 (Channel Add / Del)	按◀▶鍵可以選擇頻道增加或刪除。

- * 限類比電視模式下使用，本產品需另購電視視訊盒才可使用電視功能
- * 數位電視請參考數位電視選項說明(P.24)

幾何調整<GEOMETRY> (VGA模式)

1. 按下遙控器上的選單按鈕 ，便可顯示主選單。
2. 利用▲▼鍵選擇所要調整的主項目”幾何調整(GEOMETRY)”。
利用▶鍵確定您所調整的主項目。
3. 按下遙控器上的▲▼鍵，選擇您想要調整之項目。
按確認鍵進入您所調整之項目。
4. 使用遙控器上的◀▶鍵，調整該項目之設定值。
5. 再按一下選單按鈕 ，便可離開此畫面。



選單	說明
自動 (Auto)	按◀▶鍵可自動調整畫面的焦點、清晰度及水平、垂直位置。
水平位置 (H Position)	按◀▶鍵可調整畫面左右位置。當自動調整後左右位置仍偏移時，可利用此功能來調整。
垂直位置 (V Position)	按▲▼鍵可調整畫面上下位置。當自動調整後上下位置仍偏移時，可利用此功能來調整。
相位 (Phase)	按◀▶鍵可手動調整畫面的焦點。當自動調整後焦點仍不佳時，可利用此功能來調整。
頻率 (Clock)	按◀▶鍵可手動調整畫面的清晰度。當自動調整後焦點和清晰度仍不佳時，可利用此功能來調整。
預設值 (Reset)	按◀▶鍵可回復此選項內所有設定值回至出廠預設值。

※ 因電腦顯示卡各廠牌特性略有不同，故有時做自動調整後畫面清晰度仍不正常，此時可以利用手動調整功能來進行調整。

※ 搭配不同的線材及視聽設備，在色差高頻訊號畫面下，若有不清晰時，可以用手動來調整相位。

設定＜SETUP＞

1. 按下遙控器上的選單按鈕 ，便可顯示主選單。
2. 利用▲▼鍵選擇所要調整的主項目”設定(SETUP)”。
利用▶鍵確定您所調整的主項目。
3. 按下遙控器上的▲▼鍵，選擇您想要調整之項目。
按確認鍵進入您所調整之項目。
4. 使用遙控器上的◀▶鍵，調整該項目之設定值。
5. 再按一下選單按鍵 ，便可離開此畫面。

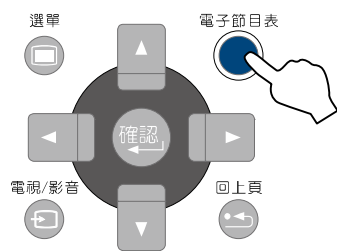


選單	說明
語言 (Language)	按◀▶鍵選擇使用的語言：繁中 / 英文。
選單背景 (OSD Background)	按◀▶調整選單(OSD)背景：不透明 / 半透明。
雜訊消除 (Noise Reduction)	按◀▶鍵調整雜訊消除之強弱。
遮視範圍 (OverScan)	按◀▶鍵調整遮視範圍：關 / 弱 / 一般 / 大。 (在觀賞電視時,若畫面有黑邊,可經由調整遮視範圍功能來調整)
超密影技術 (Double Frame Rate)	按◀▶鍵調整超密影技術模式：關 / 弱 / 強。 (在觀賞影片或快速移動畫面時建議使用弱或強模式，這樣可以得到較順暢的畫面。反之如為一般談話性(靜態)節目則建議關閉此模式) ※當開啓子母畫面功能時，超密影技術功能會自動關閉無作用。
預設值 (Reset)	按◀▶鍵可以回復此選項內所有設定值回至出廠預設值。

數位電視

由於每一台視訊盒內部並沒有儲存任何節目的資料，因此在開始使用前，必需讓它透過連接天線的方式，先行搜尋所有可接受的頻道訊號並儲存於視訊盒內部。唯有完成這項動作，用戶才能夠真正收視到數位訊號的頻道與節目。這個過程相當簡單，請拿起專屬遙控器操作，如下步驟所述：

步驟 1：按下遙控器上的“電視/影音”鍵或多媒體液晶顯示器控制面板上的“輸入源”鍵選擇數位電視模式



步驟 2：初始設定



只有在視訊盒第一次連接電源時，電視螢幕才會顯示[初始設定]畫面。用戶只需依指示按下<確認>鍵，即進行下一個畫面。

步驟 3：自動搜尋



當步驟進入[自動搜尋]畫面時，視訊盒就會立即搜尋所有空中的頻道。(整個過程約為 25 秒，請耐心等待。)當搜尋完畢之後，視訊盒會在電視畫面中列出所接收到的數位電視節目及廣播節目的數目，並且將所有頻道的資料存檔。往後就可以立即收視到這些頻道的節目內容。

※限電視模式下使用，本產品需另購電視視訊盒才可使用電視功能。

※數位電視支援 SD-正常訊號頻道(不支援 HD-高畫質訊號頻道)。

收視節目的過程中，用戶將依個人習慣頻繁的使用到幾項控制動作，這些經常性動作均可透過遙控器來操作，讓您便利的掌握收視樂趣。

選台



選台是最基本的操作功能，可以透過按遙控器上<選台



>鍵來選擇頻道。

選台時畫面將顯示"選台表"。

當選台表出現時,按左或右方向鍵時,可切換"所有頻道"群組及"喜愛頻道"群組。

(*本功能僅在"喜愛頻道"群組建立時才有動作。)

數字直接選台



除了基本的選台之外，欲快速前往某一節目時，可以利用<0~9>數字鍵直接按出代表該頻道的數字號碼，直接轉到該節目。

(請注意無效的數字將不動作，如：0020)

兩台互換

返回<R>鍵提供您在目前的節目與上一次收視的節目之間做切換。

雙語切換

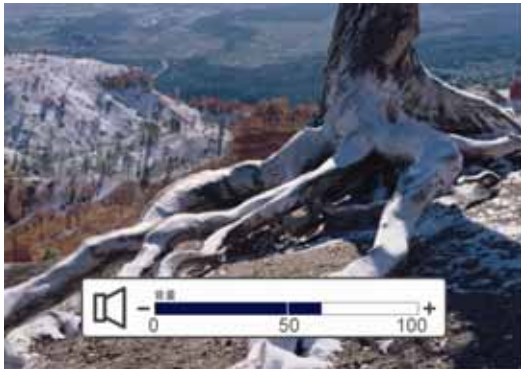


某些節目提供二種語言配音，稱為"雙語播出"，請按下<音效模式>鍵來切換發聲語言。

按第一次為"主語"，按第二次為"副語"，再按一次又回到主語。正常來說第一聲道為中文，第二聲道為影集的原文。

注意：本項功能僅在節目源本身有提供雙語的狀況下才有動作。

音量調整



音量調整可以透過遙控器的<音量+/->鍵來調整目前的音量。

調整時畫面顯示出"音量條"，範圍 0 ~ 100。

靜音



當有不需輸出聲音的場合時，可以透過按遙控器上<靜音>鍵，暫時將聲音功能關閉。靜音狀態時，畫面

右上方將顯示「」圖示。

取消靜音

當靜音狀態時，可以再按一次<靜音>鍵，或是利用<音量+/->鍵手動調整到適合的音量。

廣播頻道



台灣的數位電視廣播中，除了電視節目之外也有收音機節目。你可以進入[頻道列表][廣播頻道表]中收聽收音機廣播。

(目前台視有一個頻道播映收音機節目。)

螢幕顯示選單 OSD (On Screen Display) 為螢幕上操作個人偏好設定及調整畫面的圖形介面，您必須透過遙控器來操作這些功能。

1. 按下遙控器上的“電視/影音”鍵或多媒體液晶顯示器控制面板上的“輸入源”鍵選擇數位電視模式。
2. 按“選單”按鍵  打開OSD畫面。
3. 按  鍵選擇“電視”，再按  鍵移至“數位電視”選項。
4. 開啟數位電視選單，選單內容有：“頻道列表”、“安裝”、“系統設定”、“工具”，每個項目之中又各自有不同的細項內容。

步驟 1



步驟 2



步驟 3



,



步驟 4



選單	項目
頻道列表	電視頻道表 / 廣播頻道表 / 刪除所有喜愛頻道
安裝	自動搜尋 / 手動搜尋 / 天線調整
系統設定	語言設定 / 電視制式 / 開始節目 / 地區與時間 / 選單設定 / 家長控制
工具	訊息 / 遊戲 / 載入原廠設定 / 農民曆

頻道列表

電視頻道表



進入電視頻道表後，可選擇以下選項執行相關操作：

喜愛：設定不同群組的喜愛頻道，共一組

移動：更換頻道排序

編輯：針對個別頻道做節目設定★

選擇：換台

換組：切換"所有頻道"及"喜愛頻道"

翻頁：電視頻道表上下頁切換

確認/確定

選單/退出

設定電視頻道



進入[編輯]選項，輸入初始密碼"0000"後，會出現以下選項：

刪除：刪除該頻道

隱藏：可隱藏並略過該頻道

鎖定：設定密碼並將頻道鎖定

選擇：換台

翻頁：電視頻道表上下頁切換

選單/退出

廣播頻道表



執行廣播頻道的設定，選項與"電視頻道表"的操作相同。

刪除所有喜愛頻道

輸入初始密碼"0000"後，所有已記錄的"喜愛頻道"資訊將被刪除。



安裝

自動搜尋



執行本項選項，接收盒將自動進行搜尋動作，搜尋安裝所在地的國碼頻率中，所有地面廣播的節目訊號。

搜尋進行時，軟體會將所搜尋到的頻道分別列表在"電視節目"與"廣播節目"中。

畫面上方為進階資訊，用戶如沒有特殊需求，可以不予理會。

※天線訊號強度或訊號品質會影響掃台功能，若發現有漏台現象，請再次執行"自動搜尋"。

手動搜尋



手動的特定搜尋方式，可針對"依頻道"或是"依頻率"來搜尋節目。

1.依頻道搜尋的選項：

頻道：選擇特定頻道進行掃描。

2.依頻率搜尋的選項：

頻率：選擇特定頻率進行掃描。

頻寬：台灣地區的頻寬為 6MHz。

天線調整



設定最佳的天線擺放角度及位置。

用戶可選擇不同頻率的音頻，配合觀察畫面下方的"訊號強度"及"訊號品質"百分比條，藉以調整出最佳的天線擺放角度及位置。

系統設定

語言設定



設定 OSD 選單顯示的語言。
"語言設定"指的是選單介面顯示的語言，建議維持預設的中文選項。

電視制式



可設定輸出模式：
聲道設置(單聲道、立體聲)。

開始節目



可於此指定開機時即播出的頻道(包含電視節目及廣播頻道)。

開機節目：開啟"開始節目"功能(關/開)。

模式：指定節目類別(電視/廣播)。

開始節目：選擇開機的節目名稱

系統設定

地區與時間



時間的選擇可依"自訂"及"依地區"來設定時差，及畫面右上角之時間顯示。

GMT 使用：決定時間的方式(自訂/依地區/關)。

GMT offset：決定所在區域之時區

時間顯示：可顯示時間於電視畫面右上方(關/開)。

選單設定



OSD 選單畫面的設定選項可在此更改。

選單顯示時間：選單持續顯示的時間(2~10)。

透明度：選單的透明度(關/10%~40%)。

家長控制



可設定是否鎖定安裝功能中之"自動搜尋"與"手動搜尋"以及"頻道鎖定功能"是否開啟，並可於此更改密碼。

第一次請以預設密碼"0000"進入，用戶可於"新密碼"選項處更改新的密碼，並請勞記住新的密碼。往後再次進入時，密碼即自動更新。

■選單鎖定的操作方法：

選單鎖定設定後，"安裝"功能下的自動搜尋、手動搜尋、天線調整需要輸入密碼才能進入。

■頻道鎖定的操作方法：

頻道鎖定設定後，需進入："頻道列表"下的"電視頻道表"，

先按"3"編輯，輸入密碼後，選擇你要的頻道，再按"3"鎖定，再按"確認"，畫面會出現"確定儲存嗎？"，請按"是"儲存後離開，這時你鎖定的頻道就需要輸入密碼才能看了。

工具

訊息



顯示目前節目資訊及內容、信號強度及品質，方便用戶瞭解收訊狀況。

遊戲



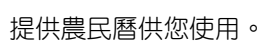
提供三種遊戲供您使用，遊戲操作請依照內容指示操作。

載入原廠設定



輸入密碼可回復原廠之預設設定。
注意！當恢復出廠設定後，所有的頻道資料及用戶個人設定都將消失。

農民曆



電子節目表(EPG)相當於節目時刻表的功能。請使用遙控器的”電子節目表”按鍵，啟用電子節目導覽。透過 EPG 功能，了解現在及未來各時段的節目及詳細描述。

電子節目導覽



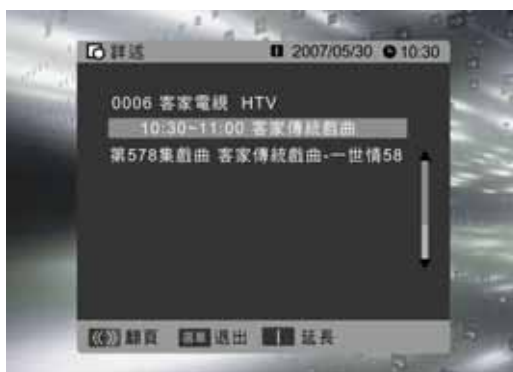
導覽畫面列出所有頻道、目前節目及下一節目。

電子表(按1)



直接按下數字鍵<1>會開啟[節目表]畫面。
[節目表]為單一頻道、單日節目的訊息表單。

電子表(按2)



若直接按下數字鍵<2>，或在[節目表]畫面中按下數字鍵<1>，將開啟[詳述]畫面。
[詳述]畫面僅為單一時段電子節目的資訊，其中顯示比[節目表]更詳細的節目介紹說明。

※限電視模式下使用，本產品需另購電視視訊盒才可使用電視功能。

※限電視模式下使用，本產品需另購電視視訊盒才可使用電視功能。

以下的表格中包含一些可能出現的異常情況以及相關的解決的方式，在聯絡維修人員之前，請參考這份清單的內容。

問題	原因	解決方式
沒有畫面	1. 您是否已經連接電源線？ 2. 您是否已經打開電源？ 3. 訊號線是否已正確連接？ 4. 螢幕是否是在省電模式下？	1. 將電源線正確連接好。 2. 開啟電源。 3. 將訊號線正確連接好。 4. 按下電腦上的任何一個按鍵。
色彩異常	1. 訊號線是否已正確連接？	1. 將訊號線正確連接好。
畫面變形	1. 訊號線是否已正確連接？ 2. 輸入訊號是否超過規定的頻率範圍？	1. 將訊號線正確連接好。 2. 請使用頻率在規定範圍內的訊號。
畫面太暗	1. 亮度和對比是否在最低的設定值？	1. 調整亮度和對比。
只有聲音，沒有影像	1. 輸入訊號的連接方式是否正確？ 2. TV 訊號是否太弱？	1. 請檢查輸入訊號是否正確。 2. 請檢查訊號的連接是否正確。 3. TV-RF 訊號不可低於 50dB。
只有畫面，沒有聲音	1. 訊號線是否已正確連接？ 2. 音量是否被調整到最小值？ 3. 是否沒有連接音效訊號線？ 4. TV 訊號是否太弱？	1. 將訊號線正確連接好。 2. 將音量調整到適當的大小。 3. 將音效訊號線正確連接好。 4. TV-RF 訊號不可低於 50dB。
無法使用遙控器	1. 請檢查電池是否仍有電？ 2. 是否有靜電或閃電的干擾？	1. 請更換電池。 2. 關閉電池 10 秒鐘，然後重新開啟電源。

以下表格中包含一些可能出現的異常情況，以及相關的解決方式。

問題	可能解決的方式
無法從天線接收足夠的頻道	檢查訊號線連接處，確實地插入輸入端。 請使用多方向的室外天線。(如果您的電視會受到附近的高山或建築物的影響) 請使用自動掃描方式的功能，來新增尚未被納入記憶中的頻道。
沒有彩色	調整選單中的彩色設定。
畫面會閃爍且有雜訊	檢查天線/訊號線的連接。 檢查頻道是在播放的狀態。 按下訊號源並改變輸入模式。
線段或線條不連續	調整天線 讓電視遠離干擾源：例如汽車、霓虹燈以及吹風機。
轉到某些頻道時電視會鎖住(希望新增某些頻道)	請使用自動掃描方式的功能，來新增尚未被納入記憶中的頻道。
影像會重疊或有陰影	請使用多方向的室外天線。 (如果您的電視會受到附近的高山或建築物的影響)
無法使用功能	如果您希望選取的項目變成灰色，表示該項目不能選取。

如果閱讀以上的說明之後，您對於多媒體液晶顯示器仍還有其他的疑問，請聯絡您當地經銷的“客戶服務中心”。

顯示面板 (Display panel)	螢幕尺寸 Active Area / Screen Size	930.24 (H)×523.26 (V) (42.02" diagonal)
	長寬比 Aspect Ratio	Widescreen 16:9
	畫素數目 Max. of Pixels	1920(H) X 1080(V)
	背光燈管壽命 Lamp Life of Backlight	50,000 hrs (min.)
	液晶顯示模式 Mode	Super MVA technology
	亮度 Brightness	500 nits (Typ)
	對比 Contrast Ratio	1600:1 (Typ)
	反應速度 Response Time	4ms (gray to gray average) (Typ)
側方影音輸入/輸出 Side I/O Input and output	AV影音輸入 AV Input X2	AV Composite (RCA) + Audio-R/L (RCA)
	SV影音輸入 SV Input X1	S-Video(4 pin Dim) + Audio-R/L(RCA)
	色差影音輸入 Component Input X1	YPbPr (RCA) + Audio-R/L (RCA)
	HDMI輸入 HDMI Input X1	HDMI
	AV影音輸出 AV Output X1	AV Composite (RCA) + Audio-L/R (RCA) 聲音輸出為固定，不隨音量大小變動。
後方影音輸入 Rear I/O Input	HDMI輸入 HDMI Input X2	HDMI
	色差影音輸入 Component Input X1	YPbPr (RCA) + Audio-R/L (RCA)
	VGA輸入 VGA Input X1	RGB(D-sub 15pin) + PC Audio(3.5mm Jack)
相容性 (Compatibility)	影音系統 Video/Audio system	影像系統：NTSC
		聲音系統：立體聲/單聲道/副聲道
		音效系統：SRS TruSurround XT
	個人電腦顯示支援格式 PC Support Timing VGA / DVI	VGA：640x480 @60Hz SVGA：720x400 @70Hz / 800x600 @60Hz XGA：1024x768 @60Hz WXGA：1360x768 @60Hz HD：1920x1080 @60Hz(Native mode)
	HDMI 掃描格式 HDMI Scanning forma	480i / 480p / 720p / 1080i @60Hz 1080p @24Hz/60Hz
	標準/高畫質 掃描格式 SDTV/HDTV Scanning format	
電器規格 (Power)	電源電壓 Input Voltage	AC100-240V, 3.5A(max.), 50/60Hz
	操作功率 Operation	<300W (Max)
	待機功率 Standby	1 W at AC 110V(typical)
環境測試 (Environment)	操作溫度 Operating	5 – 35℃(41~95°F) / 10%~90% (不可凝結)
	儲藏溫度 Storage temperature	-20 - 60℃(-4~140°F) / 10%~90% (不可凝結)
其他(Other)	內建喇叭 Built-in speaker	8 Ω / 15W (max.)x2 重低音 20W x1

* 本產品需另購電視視訊盒才可使用電視功能。

顯示面板 (Display panel)	螢幕尺寸 Active Area / Screen Size	1039.68(H) x 584.82(V) (47" diagonal)
	長寬比 Aspect Ratio	Widescreen 16:9
	畫素數目 Max. of Pixels	1920(H) X 1080(V)
	背光燈管壽命 Lamp Life of Backlight	50,000 hrs (min.)
	液晶顯示模式 Mode	Super MVA technology
	亮度 Brightness	450 nits(Typ)
	對比 Contrast Ratio	2000:1(Typ)
	反應速度 Response Time	4ms (gray to gray average) (Typ)
側方影音輸入/輸出 Side I/O Input and output	AV影音輸入 AV Input X2	AV Composite (RCA) + Audio-R/L (RCA)
	SV影音輸入 SV Input X1	S-Video(4 pin Dim) + Audio-R/L(RCA)
	色差影音輸入 Component Input X1	YPbPr (RCA) + Audio-R/L (RCA)
	HDMI輸入 HDMI Input X1	HDMI
	AV影音輸出 AV Output X1	AV Composite (RCA) + Audio-L/R (RCA) 聲音輸出為固定，不隨音量大小變動。
後方影音輸入 Rear I/O Input	HDMI輸入 HDMI Input X2	HDMI
	色差影音輸入 Component Input X1	YPbPr (RCA) + Audio-R/L (RCA)
	VGA輸入 VGA Input X1	RGB(D-sub 15pin) + PC Audio(3.5mm Jack)
相容性 (Compatibility)	影音系統 Video/Audio system	影像系統：NTSC
		聲音系統：立體聲/單聲道/副聲道
		音效系統：SRS TruSurround XT
	個人電腦顯示支援格式 PC Support Timing VGA / DVI	VGA：640x480 @60Hz SVGA：720x400 @70Hz / 800x600 @60Hz XGA：1024x768 @60Hz WXGA：1360x768 @60Hz HD：1920x1080 @60Hz(Native mode)
	HDMI 掃描格式 HDMI Scanning forma	480i / 480p / 720p / 1080i @60Hz 1080p @24Hz/60Hz
	標準/高畫質 掃描格式 SDTV/HDTV Scanning format	
電器規格 (Power)	電源電壓 Input Voltage	AC100-240V, 4.7A(max.), 50/60Hz
	操作功率 Operation	<353W (Max)
	待機功率 Standby	1 W at AC 110V(typical)
環境測試 (Environment)	操作溫度 Operating	5 – 35°C(41~95°F) / 10%~90% (不可凝結)
	儲藏溫度 Storage temperature	-20 - 60°C(-4~140°F) / 10%~90% (不可凝結)
其他(Other)	內建喇叭 Built-in speaker	8 Ω / 15W (max.)x2 重低音 20W x1

* 本產品需另購電視視訊盒才可使用電視功能。

User's Manual

LCD Display

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English



TruSurround XT is the registered trademark of SRS Labs, Inc.

This product is authorized to use SRS TruSurround XT technology by SRS Labs, Inc.

Important Safety Instructions



Read and comply with all instructions, bear the warnings in mind and keep the manual properly.



Notice

RISK OF ELECTRIC SHOCK DO NOT OPEN



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



This logo indicates that there's un-insulated "dangerous voltage" inside the product and may incur the risk of electric shock.



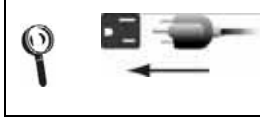
The exclamation point within an equilateral triangle is intended to alert the user to the important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

[Installation and Usage]

1.  Install as per the manufacturer's instructions. Only use attachments/ accessories specified by the manufacturer.
2.  The unit shall be placed on the ground or wall mounted in accordance with the installation instructions. Do not place this product on an unstable stand or table as this may cause injuries.
3.  Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or supplied with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
4. When transporting the TV, never carry it by holding onto the speakers. Be sure to always carry the TV by two people holding it with two hands.
5. Keep away from objects that may stab the LCD Display to avoid the high-voltage device or the internal parts inside the LCD Display from getting damaged.
6.  Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
7.  No naked flame sources, (such as lighted candles), should be placed on the apparatus.
8.  The apparatus shall not be exposed to dripping or splashing and no objects filled with water, such as vases, shall be placed on the apparatus.
9.  NEVER install the LCD Display in the bathroom or shower room; otherwise there might be risks of fire or electric shock.
10. If you use the LCD Display to play video games, computers, or similar products, keep brightness and contrast at a lower level. Images with a high levels of brightness or contrast may "burn on" the screen permanently.
11. Do not allow the LCD Display to press tightly against the wall. to avoid aging of the electric wires due to heat.
12. Please clean the back of the LCD Display regularly (once a month is recommended) to remove the inflammable things such as dust and flocculence.

Important Safety Instructions

[Power Supply]



For safety sake, the plug of the LCD Display is designed in such a manner that you can plug into a socket in a certain direction; To protect your device from electrical shock, be sure to plug the cord into the socket securely. If you have problems plugging into the socket, please contact your distributor.

- 

1. Do not defeat the safety purpose of the polarized or grounding type plug. Polarized type plug has two flat pins, one wide and the other narrow. Grounding type plug has two flat pins and one round grounding pin. The wider flat pin and round grounding pin are designed for safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. The apparatus must be connected to a mains socket outlet with a protected earthed connection.
2. Check the LCD Display power specification shown on the serial No./model tag. Be sure to use the power according to the specification. If you are unsure about the power requirement, please contact your distributor or local power company.
- 

3. DO NOT overload powers sockets or extension cords. Overloading poses a risk of electric shock or fire. Please purchase optional extension cord that can deenergize automatically upon overloading.
- 

4. Prevent the power cord from being pressed or kinked by a foreign object. Do not bundle or roll up the power cord to avoid dissipation interruption. Keep your LCD Display away from any place where the power cord is easily scuffed. Use only the correct power cord.
5. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. If there's any flaw, change a new one immediately.
6. Unplug this apparatus during lightning storms or when unused for long periods of time.
7. DO NOT put the power cord around any apparatus that generates heat. If the protective jacket of the power cord is melted or burnt, there might be risks of fire or electric shock. Do NOT pile inflammable things (like paper) near the power cord.
8. The readily operable appliance coupler will serve as the disconnecting device of this apparatus.
9. When the product is purchased or used in different countries, you should use an appropriate power cord which is compliant with local laws and regulations.
10. The power cords shall be checked and cleaned regularly. Check if they are gnawed by pets or rats. If this occurs, change the power cord immediately.

[Ventilation]

- 

1. The ventilation openings on the back of LCD Display are provided for ventilation and heat dissipation and a 10 cm space shall be provided around them. Do not block any vent. Keep the vent clear.
2. DO NOT place the LCD Display on beds, sofas or carpet, as this may block the vent.
3. DO NOT use the LCD Display in enclosed spaces such as a bookshelf or TV cabinet, as this may block the vent.
4. Keep the LCD Display from direct sunlight.

Important Safety Instructions

[LCD Display]

1.  Due to the liquid-crystal characteristics of the LCD panel, if one watches at a 4:3 picture aspect ratio or the same picture stays frozen for a long time, it will lead to image sticking. Therefore, you are advised not to watch TV at a 4:3 picture aspect ratio for a long time or leave the picture frozen. Otherwise, any image sticking or abnormality cannot be repaired and will not be covered under warranty.
2. The LCD Display panel is manufactured using high precision technologies. However, since no manufacture technology that can ensure the LCD Display panel is 100% free from bright spots or shadows is available in the market, we cannot provide guarantee for the LCD Display panel free from bright spots.
3. As this model features a self-protection mechanism, users have to wait about 10 seconds for the screen to appear after power on.

[CATV]

Be sure to acquire due authorization from the broadcaster/CATV service provider/program owner before using the TV receiver to watch programs through UHF, VHF, or CATV.

Cleaning and Maintenance

[Tips for cleaning the LCD Display]

1. Wipe the LCD Display with soft or dry cloth.
2. DO NOT use solvent or methyl benzene. Harsh chemicals may damage your LCD Display.
3. Make sure the LCD Display is unplugged before you clean it.
4. This equipment is for entertainment use only. Not recommended for professional image work.
5.  Please do not pressure on the LCD panel to avoid damage due to its delicate structure.
6.  To avoid any damage to the LCD panel, please do not stain it with any kind of liquid, such as: water, chemicals, cleanser, wet cloth, etc.

Repair Service

[Repair]



Please do not attempt to repair the LCD Display by yourself. There are high-voltage components inside the housings of this LCD Display that may cause an electric shock.

1. If any of following occurs, unplug the LCD Display and contact your distributor or appointed technician to repair the LCD Display:
 - 1.1 The power cord or plug is damaged.
 - 1.2 Liquid enters the LCD Display.
 - 1.3 LCD Display is damp or wet.
 - 1.4 LCD Display is damaged.
 - 1.5 LCD Display malfunctions.
 - 1.6 Drop from a high place.
2. Refer all servicing to qualified service personnel.
3. Changing parts
If you need to replace a new part for this LCD Display, please contact qualified technician to get the written warrant for the part needed.
4. Safety inspection
When the LCD Display has been fixed, please remember to ask the technician to perform periodic safety inspection (follow what the vendor requires) to ensure the safety of the LCD Display.
5. If the LCD Display has been used longer than its life, please contact qualified technician for repair.
6. These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

[History of Use]



Please carefully read and follow all of the warnings and instructions in this manual. Failure to read and follow them will void the warranty. Modification of the LCD Display without authorization will void the warrant immediately.

1. You can find the serial number and model tag on the back of the LCD Display. Please tell your distributor or qualified technician the serial number when you contact them.
2. Used or discharged batteries must be properly disposed of or recycled in compliance with all applicable laws. For detailed information, contact your local solid waste disposal authority.



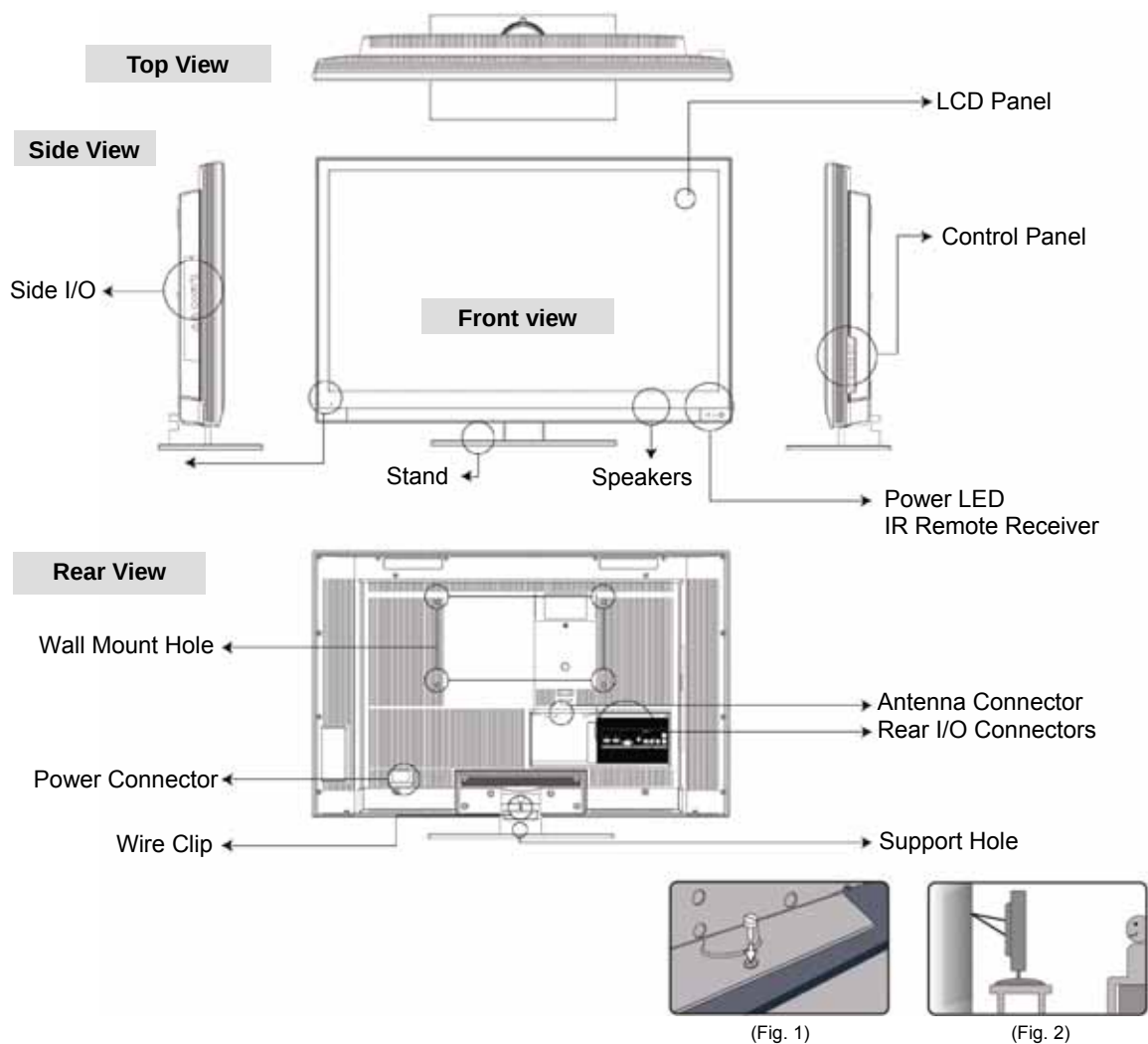
Please recycle used batteries.

[Disposal of Waste Displays]

In accordance with the requirements of the Environmental Protection Agency, waste displays must be disposed of properly to avoid harmful effects to the environment.

When you want to discard your display, follow the waste disposal methods:

1. When purchasing a new display, you can have the discarded one recycled by the dealer.
2. You can consult the Management Committee of the Resource Recycling Management Fund of Electronic & Electrical Items. The service hotline is 0800-085-717.



Accessories



1. Remote control



2. Batteries x 2



3. User Manual



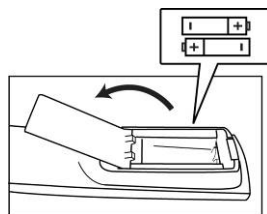
4. Power cord (For TW SP-301+IS-14 VCTF 1.25/3C)

Anti-tip Auxiliary Screw Hole:

1. Before your operation, screw installation must be done on a stable table (Fig. 1).
2. In case that the table on which you place your LCD display cannot be locked with screws, use two additional screws (the recommended size: M6 x 16) to mount the LCD display via the wall mounting hole in the rear and fasten with a steel wire (Fig. 2) to ensure safety.

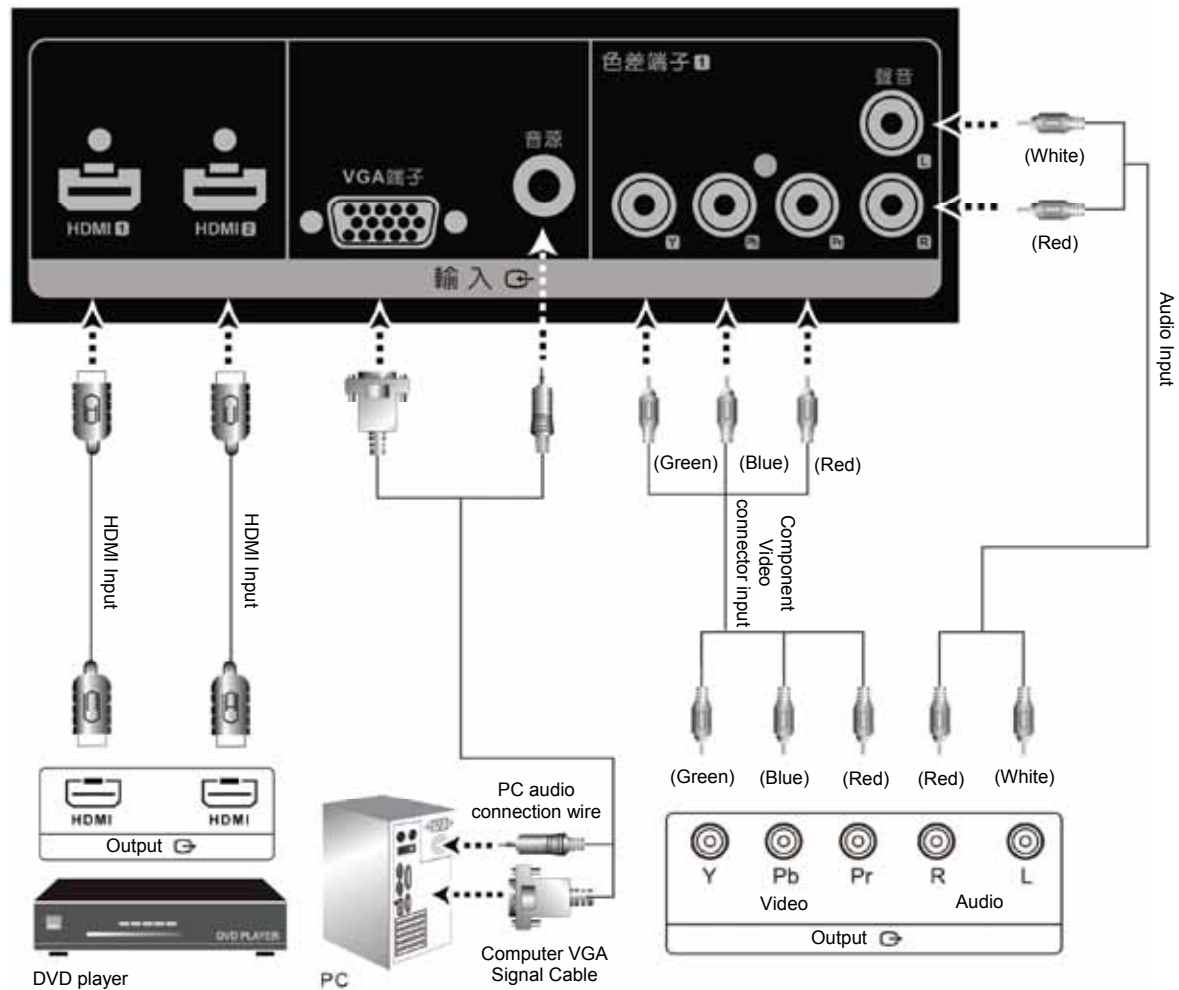
Installation of batteries

1. Insert two batteries into the Remote control. Make sure + and - are facing the proper direction.
2. Replace the cover.



If the remote control will not be used for a long time, remove the batteries. Use the remote control carefully. Please don't drop the remote control on the ground. Avoid humidity, direct sunlight and heat.

Rear I/O Connectors



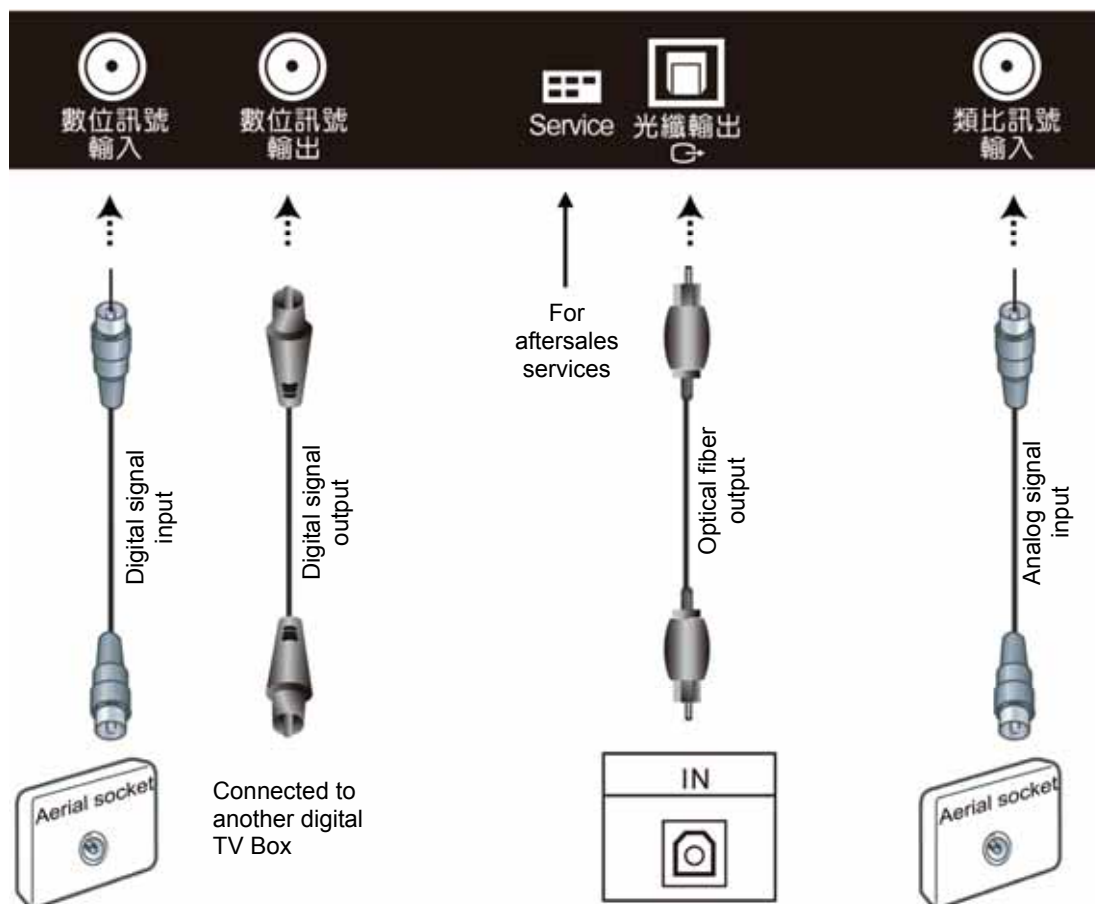
Port (Input)	Functions
HDMI 1 / 2	HDMI: This port accepts devices with high definition video/audio signal-HDMI terminal output. This connection port supports HDTV image signals or PC-DVI signals. ※The DVI signals come through HDMI input, the DVI connection wire for HDMI shall be used, and the sound connection shares the VGA-sound input terminal.
VGA	VGA and sound terminal: Can be connected to devices with VGA (RGB analog signals) terminals and sound output, for instance, computers and other devices. ※The sound input terminal is shared by VGA/DVI (HDMI) and the terminal is 3.5 mm jack.
Component 1	Component Video Connector and Audio Input: Connects to the Component Video connector (YPbPr) and audio R (right) / L (left) devices. It supports DVD player with a progressive scan function or advanced HDTV decoders and satellite receivers for high-definition screen.

※For details about the supportive signals, please refer to the specification pages of this User Manual.

Port (Input)	Functions
HDMI 3	HDMI: This port accepts devices with high definition video/audio signal-HDMI terminal output. ※ When HDMI is used to connect PC-DVI, it is recommended that HDMI1 or 2 be used first due to compatibility of different video adapters varies slightly.
Video 2	AV Video/Audio terminal: Connects to the AV connector (composite signal) and audio R (right)/L (left) output devices.
Component 2	Component Video Connector and Audio Input: Connects to the Component Video connector (YPbPr) and audio R (right) / L (left) devices.
Video 1	AV Video/Audio terminal: Connects to the AV connector (composite signal) and audio R (right)/L (left) output devices.
Video S	S Video/Audio terminal: Connects to composite s-video and audio R (right)/L (left) output devices.
Port (Output)	Functions
Video	Can be connected to amplifier or video recording device with image (AV) and sound input terminals. ※ Image output is limited to: TV/Digital TV Video 1/Video 2/ Video S signal source. Other signal sources may output their sound only. Sound output is not limited by the sound volume of the LCD.

※For details about the supportive signals, please refer to the specification pages of this User Manual.

Antenna Connectors

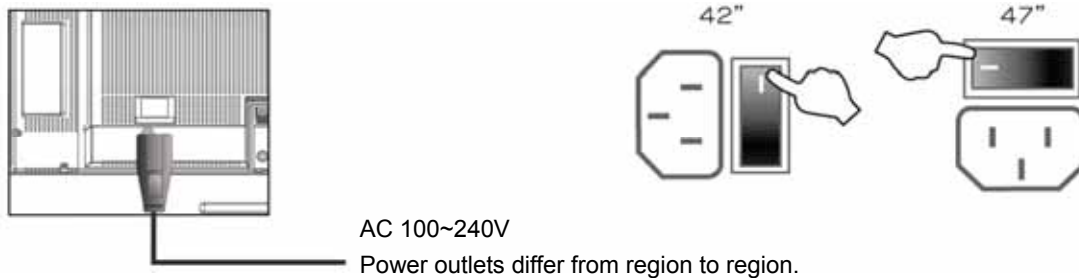


Port	Functions
Digital signal input	Connected to the Digital TV antenna (Signal).
Digital signal output	Connected to another digital TV box or video recording device.
Optical fiber terminal	Can be connected to amplifiers or devices with optical fiber input. ※ The optical fiber output is sound signal only and the signal is digitally processed to obtain better sound quality. ※ The optical fiber output is the signal source of the digital TV only.
Analog signal input	Connected to the Analog (AIR/CATV) TV antenna or signal.

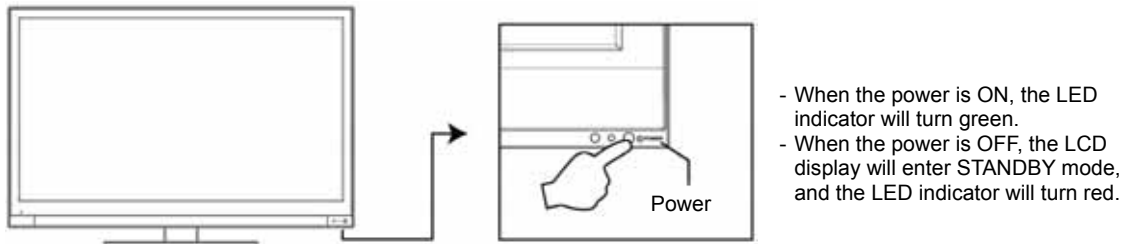
- ※ The digital TV supports SD-normal signal channel (does not support HD-high quality signal channel).
- ※ This product requires an optional LCD TV box to enable the TV function.

Turn ON the multimedia LCD display

1. Insert one end of the power cord into the power jack at the back of the multimedia LCD Display and the other end of the power cord into the power socket. Press the power button (I) at the back of the multimedia LCD Display to turn on the power.



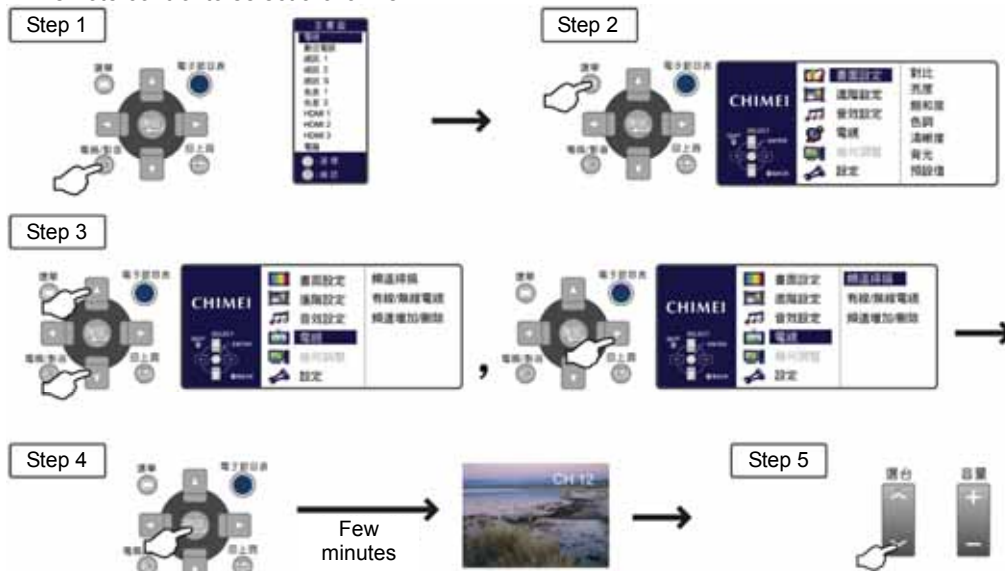
2. Press the (POWER) button on the front lower right of the TV to turn on the power or enter standby mode.



Channel Scan (Analog TV)

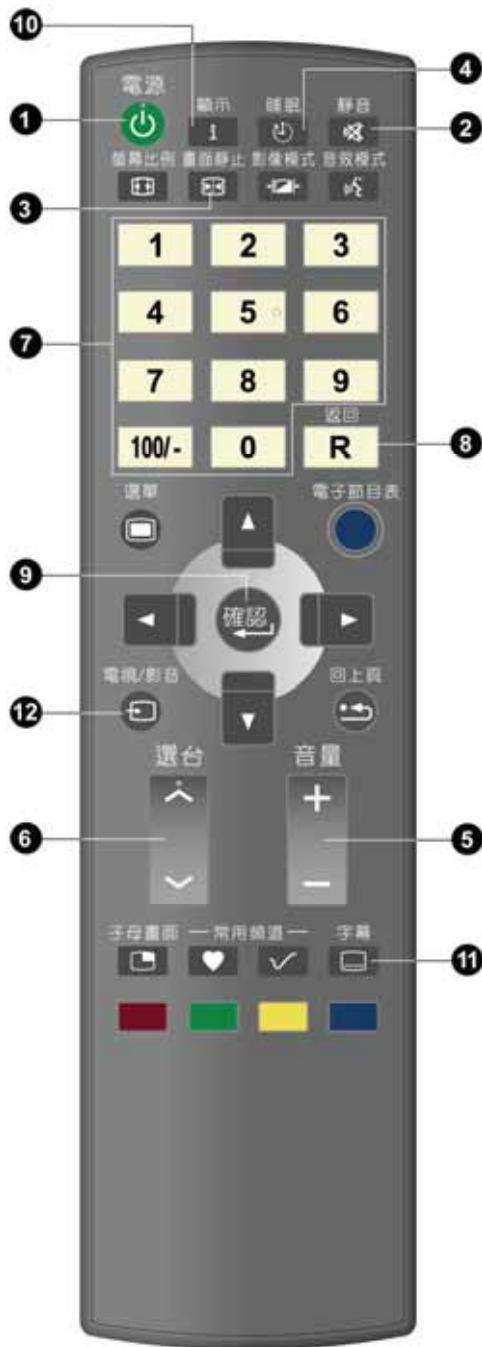
The auto channel scan must be performed for the first installation. **(This product requires an optional LCD TV box to enable the TV function)**

1. Press the "TV/Visual-Audio" button on the remote control or the "Input source" button on the control panel of the multimedia LCD Display to select the TV mode.
2. Press the "MENU" button to open the OSD screen.
3. Press the button to select "TV". Then press the button to move to the "Channel Scan" option.
4. Press the ENTER button to start auto channel scan. (During the auto channel scan, it will take a few minutes to scan available channels)
5. After the auto channel scan is completed, you may start watching TV. Press the CH button on the remote control to select a channel.



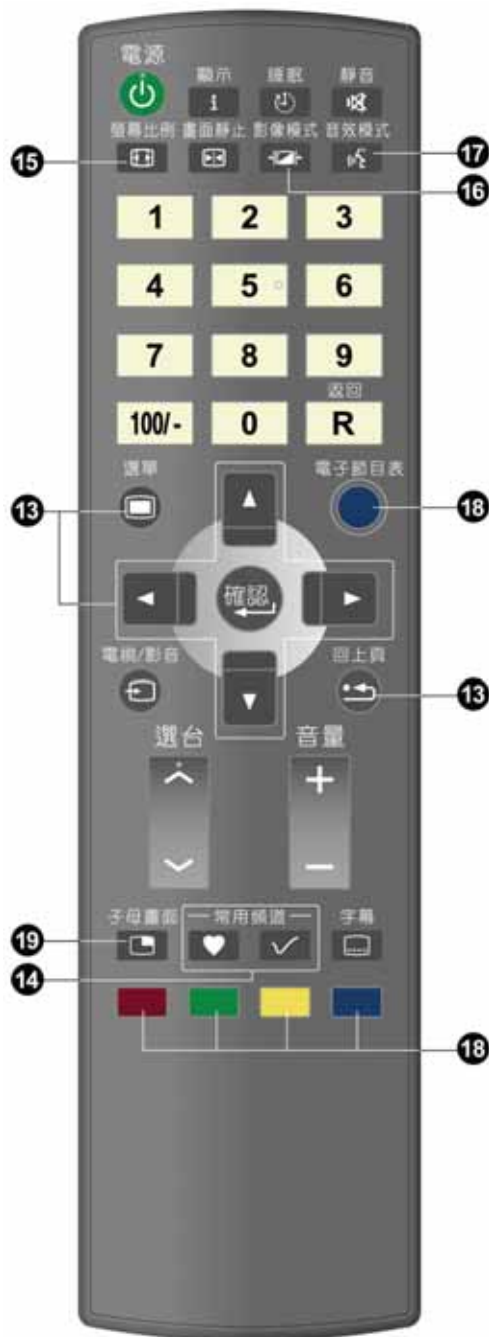


Button	Functions
MENU	Adjustment Menu Press the Menu button on the LCD panel to show the menu to adjust the settings of the LCD Display. To show the screen control window of the multimedia LCD Display, please press the MENU button. Press the Adjust ▲▼◀▶ to adjust the content of each quick menu item.
CH (FUNCTION ▲/▼)	Channel Selection (Only under the TV mode) Use the CHANNEL ▲▼ button on the LCD panel to select a channel. (Only under the TV mode. This product requires an optional LCD TV box to enable the TV function) ※Under the MENU mode, the function work as Up and Down buttons of the selection function.
VOL + / - (ADJUST ◀ / ▶)	Volume Adjustment Use the (VOLUME) + / - button to adjust the volume of the multimedia LCD display. ※Under the MENU mode, the function work as Left and Right buttons of the adjustment function.
SOURCE	Signal Input Source Selection Press the SOURCE button on the top of the LCD Display, then you may select one of the following modes in order of: Modes such as TV/Digital TV/Video 1/Video 2/Video S/Component 1/Component 2/HDMI 1/HDMI 2/HDMI 3/Computer. ※Under the MENU mode, you can use this button for the function of ENTER button.
Earphone Output	This connection port connects earphones (16Ω or 32Ω) for the audio output signal. ※Once the earphone is connected, the speaker of the LCD Display will stop sound output.



1. **POWER**
To turn on the LCD Display or enter standby mode.
2. **MUTE**
Press to toggle audio on and off. You can also press volume +/- to restore the previous volume level.
3. **FREEZE**
Press to freeze the picture and press again to restore live viewing.
4. **SLEEP**
Press repeatedly to select one of the available auto sleep time OFF/15/30/60/90/120 minutes modes.
5. **VOL +/- <Volume +/->**
Press to adjust the volume.
6. **Channel ^ v**
Press to select the channels.
7. **0 ~ 9, 100/- Numeric key**
Using the numeric buttons (0 to 9 and 100/-) to select from CH 01 to CH 125. When the channel selected exceeds CH 125, the window will stay on the channel set and won't be switched.
8. **RETURN**
Return to the previous channel.
9. **ENTER**
When entering CH 1 to CH 9, you may just enter number 1 to 9 and wait for a few seconds for auto changing; or you may simply press number 1 to 9 then the ENTER key to switch to the channel directly.
10. **Display**
Press the INFORMATION button to display the current signal status. Include: Main Screen/Signal Source/Signal Format.
11. **C.C.: Close caption**
This allows you to enable the caption function. (This function only applies to the NTSC system used in North America).
12. **TV/VIDEO**
For the signal source of main screen.
 1. You can use the "TV/VIDEO" button on the remote control to switch the signal source of main screen.

The main screen is switched in order of: TV/Digital TV/Video 1/Video 2/Video S/Component 1/Component 2/HDMI 1/HDMI 2/HDMI 3/Computer.
 2. The selected signal source will be displayed on the screen.
 3. The special items to the OSD MENU under each display mode can be selected.



13. Menu and Adjustment button ▲▼◀▶

This allows you to activate the menu of the multimedia LCD panel. Press again to exit the menu. Use the ▲▼◀▶ button to select the menu item and adjust its setting. Press the “” button to return to the last page.

14. Favorite Channels

Select your favorite channels.
To display the “favorite channels” in order of your previous setup.

Favorite channel editing button .

1. Switch to the channel to be set.
2. Press the  button to activate the screen where you can edit your Favorite Channels.
3. Press numeric keys, 1 to 9, to set and save the position of the favorite channel to be set (Totally 9 positions to be set).
4. The position will display the channel that you previously set. The position not set will display “0”.

* For detailed operations, refer to Page 15

15. ASPECT

The ASPECT modes include:
16:9 / Zoom 1 / Zoom 2 / game / 4:3.



16. PICTURE

For advanced PICTURE settings:
Vivid/Sport/Movie/Game/User.

17. MTS

The MTS modes include: Stereo/Mono/SAP.

18. EPG

To display EPG (Enhanced Program Guide) menu
(This function is only available for models with digital TV function).

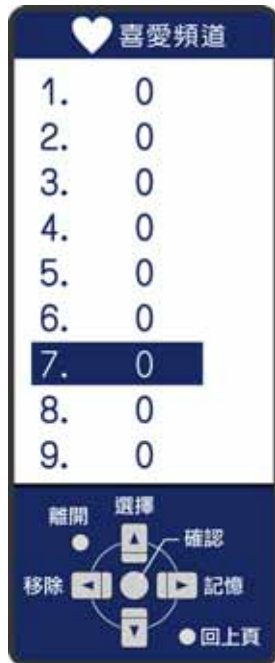
19. PIP (Picture in picture)

Display PIP Function Menu.

* For detailed operations, refer to Page 16

Favorites Channel (Only under the Analog TV mode):

Press the favorite channel editing button  on the remote control and open the favorite channel list:



Operation button instruction

The operating method is as follows:

Add a Channel:

1. Select the TV channel to be added first.
2. Press the "Favorites Channel" editing button  on the remote control and the screen will display the favorite channel list (as shown in the figure above).
3. Press   button on the remote control and move to the position to be remembered.
4. Press  button to finish favorite channel adding.
5. The position will display the channel that you previously set. The position not set will display "0".

Remove a Channel:

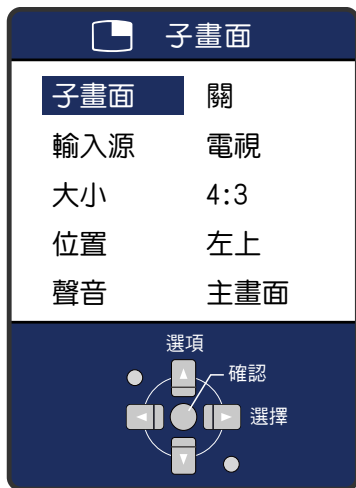
1. Press the "Favorites Channel" editing button  on the remote control and the screen will display the favorite channel list (as shown in the figure above).
2. Press   button on the remote control and move to the position to be removed.
3. Press  button to finish favorite channel removing.

Watch Favorite Channels:

1. Press the "Favorite Channel" button  on the remote control to watch all the channels (9 channels) in the favorite channel list in sequence (cycle).

PIP (Picture in picture):

Press the PIP screen button  on the remote control and the menu is displayed:



Sub picture



The operation instruction is as follows:

1. Main picture: Off/On
2. SOURCE: Choose the signal source of the PIP screen (refer to the following checklist).
3. Size: Choose the aspect ratio of the sub picture: 16:9 or 4:3.
4. Position: Choose the display position of the sub picture: lower right, upper right, upper left, and lower left.
5. Audio: Choose the audio source: main picture or sub picture.

PIP (Picture in picture) table:

SUB PICTURE	MAIN PICTURE							
		TV	DTV(S)	AV	SV	YPbPr	VGA	HDMI
	TV		X	X	X	O	O	O
	DTV(S)	X		X	X	O	O	O
	AV	X	X		X	O	O	O
	SV	X	X	X		O	O	O
	YPbPr	X	X	X	X		X	X
	VGA	X	X	X	X	X		X
	HDMI	X	X	X	X	X	X	

※The PIP screen function is enabled only Component 1/Component 2/HDMI1/HDMI2/HDMI3/Computer modes.

1. You can use the “**TV/VIDEO**” button on the remote control to select the signal source.
Once the signal source is detected, the selected system mode will appear in the upper right corner of the screen.
2. After the system mode is selected, press the (MENU) button to perform the following functions:



PICTURE

According to the type of TV program you are watching, it provides more picture modes and functions for adjusting color and brightness.



ADVANCE

According to the type of program you are watching, it provides advanced setup for adjusting color and brightness.



AUDIO

Provide more audio selections. You can also set the audio environment of the LCD Display.



TV (for use under TV mode)
Set up your favorite channels.



GEOMETRY: for use in PC mode.
Phase Adjust: Both PC and YPbPr component connectors can be used.



SETUP

Set the screen display language, menu background and other functions.

PICTURE

1. Press the menu selection  button on the remote control to show the main menu.
2. Use the  button to select the main item to be adjusted, "PICTURE".
Press the  button to enter the sub menu.
3. Use the  button on the remote control to select the item to be adjusted.
Press the ENTER button to enter the item to be adjusted.
4. Use the  button on the remote control to adjust the value of the item.
5. Press the menu button  to exit the screen.



Menu	Descriptions
Contrast	Press  to increase or decrease the picture contrast.
Brightness	Press  to make the picture brighter or darker.
Saturation	Press  to adjust color saturation.
Hue	Press  to change the hue to make it redder or greener.
Sharpness	Press  to make the picture sharper or softer.
BackLight	Press the  button to adjust the brightness of BackLight. (The less bright the BackLight, the more energy saved and the longer lifetime).
Reset	Press  to restore all Display parameters to their default settings.

ADVANCE

1. Press the menu selection  button on the remote control to show the main menu.
2. Use the  button to select the main item to be adjusted, "ADVANCE".
Use the  button to move to the sub menu to be adjusted.
3. Use the  button on the remote control to select the item to be adjusted.
Press the ENTER button to enter the item to be adjusted.
4. Use the  button on the remote control to adjust the value of the item.
5. Press the menu button  to exit the screen.



Menu	Descriptions
Color Temperature	Press  to adjust the color temperature: Cool/Normal/Warm.
Super Contrast	Press  button to adjust the contrast of picture: High/Middle/Low/Off.
Super Color	Press  buttons to adjust color tone: Off/Natural/Vivid/Movie.
Gamma	Press  button to adjust the gray scale curve on the picture: HDTV/Normal/Game.
Dynamic Contrast	Press the  button to choose the Off/Light sensing/Video. For improvement of dynamic contrast. Light sensing: The system may detect the surrounding brightness automatically and adjust the brightness of backlight automatically. If the surrounding environment becomes darker, the system will decrease the backlight brightness automatically. Video: The system will detect the video signal automatically and adjust the brightness of backlight automatically. If the scene of the screen is darker, the system will lower the brightness of the backlight automatically. ※Opening Super Contrast function causing contrast modulates temporary at running high frequency pattern that is normality. ※When the dynamic comparison function is enabled, the backlight adjustment function will be disabled. ※Dynamic Contrast: This mode saves 25% of energy in average and increases the lifetime of the lamp.

AUDIO

1. Press the menu selection  button on the remote control to show the main menu.
2. Use the   button to select the main item to be adjusted, "AUDIO".
Press the  button to confirm the main item to be adjusted.
3. Use the   button on the remote control to select the item to be adjusted.
Press the ENTER button to enter the item to be adjusted.
4. Use the   button on the remote control to adjust the value of the item.
5. Press the menu button  to exit the screen.



Menu	Descriptions
Balance	Press the   buttons to adjust the balance between left and right speakers.
Bass	Press the   buttons to adjust the audio bass level.
Treble	Press the   buttons to adjust the audio treble level.
SRS TruSurround XT	Press   buttons to control the surround mode : On/Off. (When SRS is on, the treble/bass adjustment will be disabled)
SubWoofer	Press the   buttons to adjust subwoofer: Off/Low/Mid/High.
Reset	Press   to restore all parameters of this menu to their default settings.

TV (for TV Mode)

1. Press the menu selection  button on the remote control to show the main menu.
2. Press the  button to confirm the main item to be adjusted, "TV".
Press the  button to confirm the main item to be adjusted.
3. Use the  button on the remote control to select the item to be adjusted.
Press the ENTER button to enter the item to be adjusted.
4. Use the  button on the remote control to adjust the value of the item.
5. Press the menu button  to exit the screen.



Menu	Descriptions
Channel Scan	In the channel scan menu, press the Enter button to execute the auto channel scan. The auto channel scan must be performed for the first installation.
CATV / AIR	CATV/AIR Press the  button on the remote control to select the TV signal (antenna or cable). AIR: For antenna users, please select this item. CATV: For cable users, please select this item.
Channel Add / Del	Press the  button to add or remove channels.

- * Only under the Analog TV mode. This product requires an optional LCD TV box to enable the TV function
- * Please refer to the instructions on the Digital TV option (P.24)

GEOMETRY (for VGA)

1. Press the menu selection  button on the remote control to show the main menu.
2. Use the  button to select the main item to be adjusted, "GEOMETRY". Press the  button to confirm the main item to be adjusted.
3. Use the  button on the remote control to select the item to be adjusted. Press the ENTER button to enter the item to be adjusted.
4. Use the  button on the remote control to adjust the value of the item.
5. Press the menu button  to exit the screen.



Menu	Descriptions
Auto	Press  button to automatically adjust the focus, sharpness, horizontal and vertical positions.
H Position	Press  button to adjust the screen location horizontally. If the horizontal position is still misplaced after automatic adjustment, you can use this function to fine tune.
V Position	Press  button to adjust the screen location vertically. If the vertical position is still misplaced after automatic adjustment, you can use this function to fine tune.
Phase	Press  button to manually adjust the focus. If automatic adjustment does not deliver ideal focus, you can use this function to fine tune.
Clock	Press  button to manually adjust the sharpness. If automatic adjustment does not deliver ideal focus and sharpness, you can use this function to fine tune.
Reset	Press  to restore all Display parameters to their default settings.

- ※ Due to the different characteristics of computer video adapters, sometimes automatic adjustment cannot deliver an optimal clearness. You can use this function to fine tune.
- ※ With different combinations of wires and audio/video devices, if component high frequency signal pictures are unclear, the phase can be adjusted manually.

SETUP

1. Press the menu selection  button on the remote control to show the main menu.
2. Press the  button to confirm the main item to be adjusted, "SETUP".
Press the  button to confirm the main item to be adjusted.
3. Use the  button on the remote control to select the item to be adjusted.
Press the ENTER button to enter the item to be adjusted.
4. Use the  button on the remote control to adjust the value of the item.
5. Press the menu button  to exit the screen.

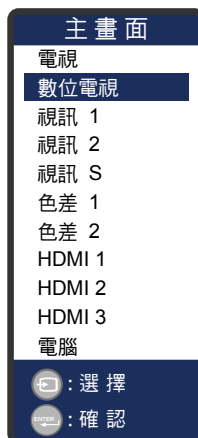
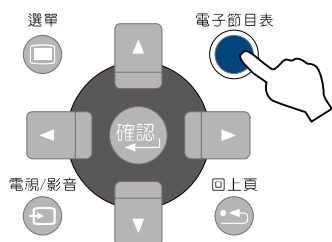


Menu	Descriptions
Language	Press the  buttons to select language: Traditional Chinese/English.
OSD Background	Press  to adjust the OSD background: Opaque/Half-transparent.
Noise Reduction	Press  buttons to adjust the level of the noise removal.
OverScan	Press  buttons to adjust the scope of Overscan: Off/Small/Standard/Big. (When watching TV, the picture's black edge can be adjusted by adjusting the Overscan function)
Double Frame Rate	Press the  button to adjust the double frame rate mode: Off/Low/High. (When watching movies or quick-moving scenes, Low or High mode is recommended, so that you can get smoother screens. For normal talk shows (static) programs, it is recommended that this mode be disabled.) ※When the PIP screen function is enabled, the double frame rate function will automatically be disabled.
Reset	Press  to restore all Display parameters to their default settings.

Digital TV

Because there is no program data stored in a TV Box, before starting using it, you should make the TV box scan all of the channel signals available and store the signals in the TV Box in advance by connecting the antenna. User can't really the channels and programs of digital signals unless he or she completes this operation. This is an easy process. Please pick up the remote control and follow the following steps:

Step 1: Press the “TV/Video” button on the remote control or the “Input source” button on the control panel of the multimedia LCD Display to select the digital TV mode



Step 2: Initial Set Up



The TV Screen only displays the [Initial Set Up] screen once when you turn on the TV Box for the first time. User only needs to follow the instructions to press the “OK” button to enter the next screen.

Step 3: Auto Scan



When you see the [Auto Scan] Screen, the TV Box will scan all of the aired channels immediately. (It will take about 25 seconds and we appreciate your patience.) When the Channel Scan completes, the TV Box will list the number of digital TV programs and broadcasting programs that have been received, and save the data of all of the channels. Afterwards, you can watch the programs of these channels immediately.

- ※Only under the TV mode. This product requires an optional LCD TV box to enable the TV function.
- ※The digital TV supports SD-normal signal channel (does not support HD-high quality signal channel).

While watching the TV programs, there are several control functions you use frequently. These frequently-used control functions can be operated through the remote control in order to allow you to enjoy watching TV more conveniently.

CH



Selecting a channel is the most basic operation function. You can select the channel through pressing the <CH

> buttons on the remote control.

When you select the channel, the screen will display "Channel List".

When the channel selection list appears, press left or right direction buttons to switch the "All Channels" group and "Favorite Channels" group.

(* This function can be operated only when "Favorite Channels" group is created.)

Selecting channel through numeric buttons directly



In addition to basic channel selecting function, if you want to select a certain channel quickly, you can use the numeric buttons <0 ~ 9> to enter the channel number directly. Then it will go to the channel directly.

(Please note that it won't respond to an invalid number, such as 0020)

Two Channels Switch

The Return <R> button allows you to return to the last channel so you can switch between two channels.

SAP Switch

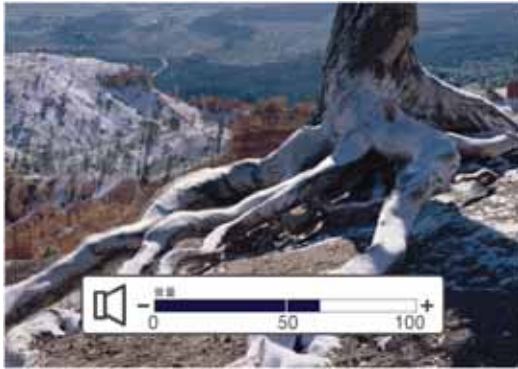


Certain programs provide two languages, called "SAP (Sub Audio Program)". Please press <Audio Mode> button to switch the language.

Press it once for "Main Language", and twice for "Sub Language". Press it again to return to the Main Language. If you press it again, it returns to "Main Language". Normally the main language is Chinese and the sub language is the original language of the program.

Notice: This function is only available for the programs that provide SAP feature.

Volume Adjustment



For volume adjust function, you can adjust the volume through the <Vol+/-> buttons on the remote control. When you adjust the volume, the screen displays the "Volume Bar", which ranges between 0 and 100.

MUTE



When you want the LCD Display to be silent, you can turn off the audio function temporary through the <Mute> button on the remote control. The top-right corner of the screen will display the icon "🔇" after you press the <Mute> button.

Un-mute

When the LCD Display is muted, press the <Mute> button again to un-mute it, or use the <Vol+/-> buttons to adjust the volume to the appropriate level manually.

Broadcasting Channel

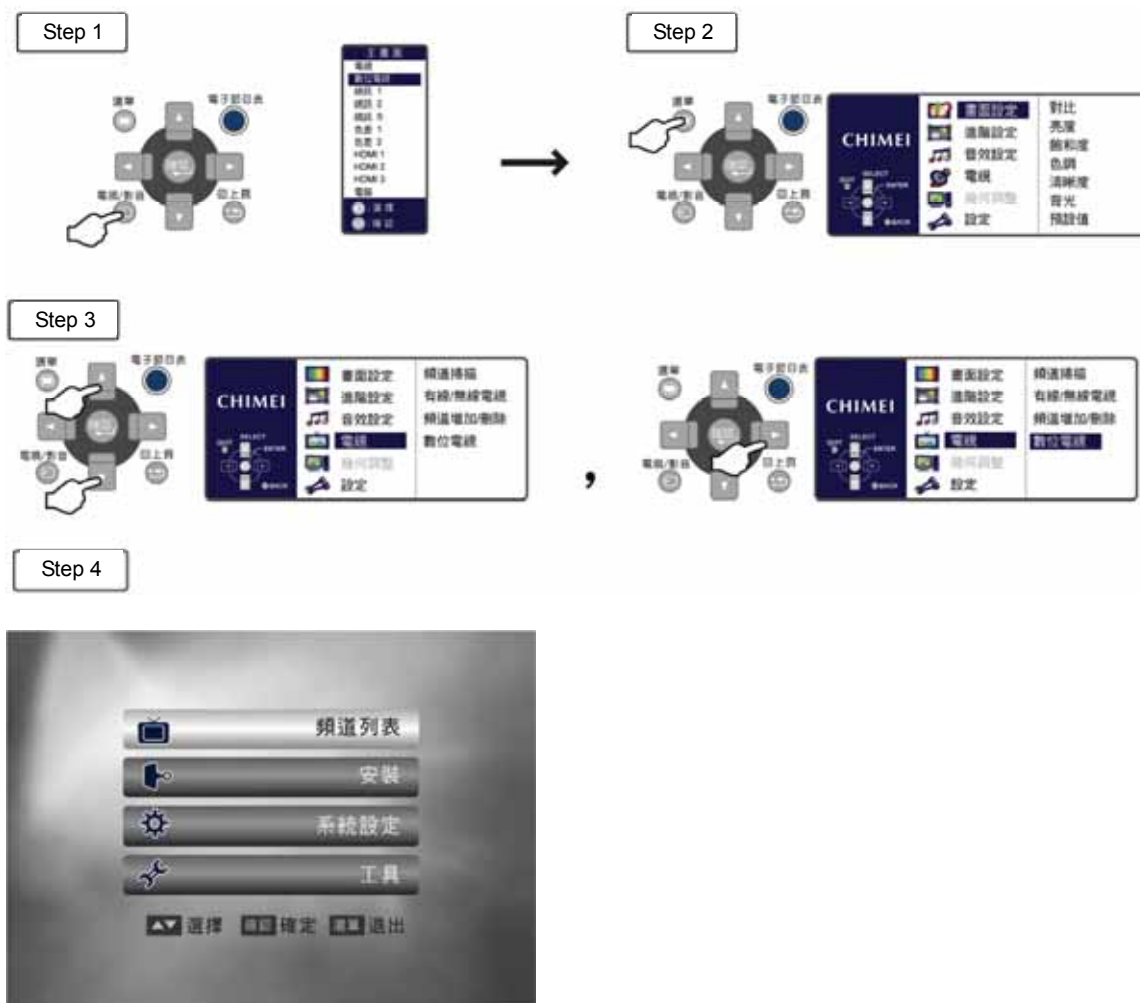


For the digital TV broadcasting in Taiwan, in addition to TV programs, there are radio programs as well. You can enter [Channel List] [Radio Channel List] to listen to the radio broadcasting.
(Currently TTV has one channel to broadcast radio programs.)

Digital TV Menu

OSD (On Screen Display), which is Graphical User Interface, allows you to set up personal favorite setting and adjust pictures on the screen. You must use the remote control for these functions.

1. Press the "TV/Video" button on the remote control or the "Input source" button on the control panel of the multimedia LCD Display to select the digital TV mode.
2. Press the "MENU" button to open the OSD screen.
3. Press the   button to select "TV". Then press the  button to move to the "Digital TV" option.
4. Open the digital TV menu, the contents include: "Channel List", "Installation", "System" and "Tools". There are different options available in each sub-menu.



Menu	Item
Channel List	TV Channel List / Broadcasting Channel List / Delete All Favorite Channels
Installation	Auto Scan / Manual Scan / Adjust antenna
SYSTEM	Language / TV Format / Start Program / Region and Time / Menu Setting / Parental Control
Tool	Message / Game / Load Default Setting / Farmer's Almanac

Channel List

TV Channel List



After you enter “TV Channel List”, the options below are available for you to use the related functions:

Favorites: To set up favorite channels, 1 group in total

Move: To change the order of the channels

Edit: To make program setting for different channels.★

Select: To change the channel

Change the group: To switch between “All channels” and “Favorite Channels”

Page Up/Dn: To go to the previous/next page on the TV channel list

TV Channel Scan Setting



Select [Edit], enter the initial password “0000” and then the follow options will be available:

Delete: To delete the channel

Hide: To hide and skip the channel

Lock: To set up password for the channel and lock it.

Select: To change the channel

Page Up/Dn: To go to the previous/next page on the TV channel list

MENU/Exit

Broadcasting Channel List



To setup the settings of radio channels. The options and usages are the same as “TV Channel List”.

Delete All Favorite Channels

After you enter the initial password “0000”, all of the saved information of “Favorite Channels” will all be deleted.



Installation

Auto Scan



After you select this option, the TV Box will scan the channels automatically to search for all of the program signals of ground broadcasting among the frequencies of the country code where you install it.

While the TV Box is scanning the channels, the software will list the channels found in the "TV Program" and "Radio Program" respectively.

The message on the top of the screen is advanced information. You may ignore it if you don't have special requirement.

The antenna signal strength or signal quality may affect the Channel Scan function. If you find certain channels have been skipped, please perform the "Auto Scan" function again.

Scan Manually



To search the channel manually. You can search the program based on "Channel" or "Frequency".

1. The options available for "Channel Search":

Channel: To select specific channel to scan

2. The options available for "Frequency":

Frequency: To select specific frequency to scan

Bandwidth: The bandwidth in Taiwan is 6 MHz.

Adjust antenna



To set up the antenna for the best angle and position

You can select the audio of different frequency and observe the percentage bar of "Signal Strength" and "Signal Quality" in the bottom of the screen to adjust the best antenna angle and position.

SYSTEM

Language



To select the language for OSD Menu display. "Language" indicates the language shown on the menu interface display. It is suggested that you keep the default option, which is Chinese.

TV Format



To select the output mode:
Audio Channel Setting (Mono or Stereo).

Start Program



With this option, you can choose the channel that you will see first when you turn on the TV (including TV programs and Radio station).

Start Program: To turn on "Start Program" function (Off/On).

Mode: To select program type (TV/Radio).

Start Program: To select the name of the "Start Program".

SYSTEM

Region and Time



You can choose the time to set up the time difference and the display of time on the top-right corner of the screen based on "Custom" or "Regional".

Using GMT: The option to decide how you set up the time (Custom/Regional/Off).

GMT offset: To select the time zone of the region where you are.

Display Time: This function allows you to display the time on the top-right corner of the screen (Off/On).

Menu Setting



You can change the Setting Options of the OSD Menu screen here.

Menu Display time: The time for the menu to remain on the screen (2 ~ 10).

Transparency: The transparency of the menu (Off/10% ~ 40%).

Parental Control



Here you can select whether to lock the "Auto Scan" and "Manual Scan" of Installation Function, and whether to enable or to disable "Channel Lock Function". You can also change the password here.

If you are using this function for the first time, please enter the default password "0000". You can change a new password under the option of "New Password". Please do memorize the new password. When you use this function next time, the password will be updated automatically.

■How to lock the menu:

When you enable "Menu Lock" function, you are required to enter password before using Auto Scan, Manual Scan and Antenna Adjustment of Installation Function.

■How to lock a channel:

After setting up "Channel Lock", you need to enter "TV Channel List" under "Channel list." First press "3" to edit. After entering the password, select your desired channel, press "3" again to lock, and then press "ENTER." The message "Do you want to save it?" will appear on the picture. Please press "Yes" to save it, and then quit. You now have to enter a password to watch a locked channel.

Tool

Message



To display program information and content and signal strength and quality now to allow you to understand receiving status easily.

Game



There are three games for you to play. Please follow the instruction for how to play the games.

Load Default Setting



Enter the password then you can restore it to the default setting

Notice! After the default setting is restored, all of the channel data and user custom setting will be gone.

Tool

Farmer's Almanac



Farmer's almanac is available for you to use.

EPG functions as the timetable of the programs. Please use the “EPG” button on the remote control to start EPG. Through EPG, you can find the time for the programs being aired now and will be aired later, and the detail description of those programs.

EPG Guide



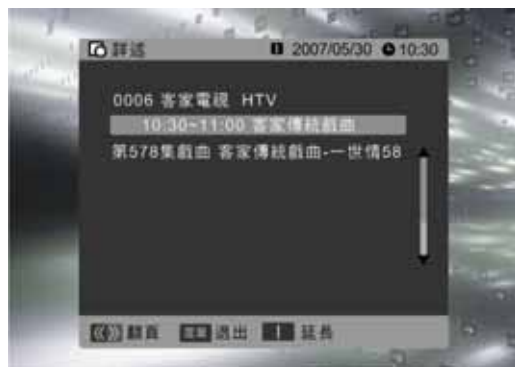
The guide screen lists all of the channels, programs being aired now and the next program.

Guide List (Press 1)



Press the numeric button <1> directly to open the [Program List] screen. [Program List] is the message list for the daily programs of single channel.

Guide List (Press 2)



Press the numeric button <2> directly or press the numeric button <1> in the [Program List] screen to open the [Detail] screen. [Detail] screen only shows the information of one program at a time. The program description of it is more detailed than of [Program List].

※Only under the TV mode. This product requires an optional LCD TV box to enable the TV function.

Other Information Troubleshooting

※Only under the TV mode. This product requires an optional LCD TV box to enable the TV function.

The following table contains the common problems and the solutions to these problems. Please check this list before you contact technicians.

Problems	Reasons	Solutions
No picture	1. Did you connect the power cord? 2. Did you turn on the power? 3. Is the signal cable connected correctly? 4. Is the screen in energy-saving mode?	1. Connect power cord correctly. 2. Turn on power. 3. Connect signal cable correctly. 4. Press any button on the computer.
Abnormal colors	1. Is the signal cable connected correctly?	1. Connect signal cable correctly.
Twisted picture	1. Is the signal cable connected correctly? 2. Is signal input over the maximum of frequency range?	1. Connect signal cable correctly. 2. Please use the signal within the frequency range.
Picture too dark	1. Are brightness and contrast set at the lowest level?	1. Adjust brightness and contrast.
Audio only, no images	1. Is input signal connected correctly? 2. Is the TV signal too weak?	1. Please check if input signal is connected correctly. 2. Please check if signal is connected correctly. 3. The TV-RF signal needs to be over 50 dB.
Picture only, no audio	1. Is the signal cable connected correctly? 2. Is volume at the minimum level? 3. Is audio signal cable not connected? 4. Is the TV signal too weak?	1. Connect signal cable correctly. 2. Adjust volume to proper level. 3. Connect audio signal cable correctly. 4. The TV-RF signal needs to be over 50 dB.
Cannot use remote control	1. Is the battery dead? 2. Is there any disturbance from static or thunder?	1. Please change battery. 2. Turn off power for 10 seconds; and then restart power.

The following table contains common problems and solutions to these problems.

Problems	Possible solutions
Can't receive enough channels with the antenna	Check the cable connection. Make sure it is connected firmly. Please use multi-directional outdoor antenna. (If your TV is subject to the influence of nearby mountains or buildings) Please use the automatic scanning function to increase the number of channels not included in memory.
No colors	Please adjust the color setup.
Blinking picture accompanied by ghost image	Check the connection of antenna/signal cable. Check if channel is in play mode. Press signal source and change input mode.
Broken lines or segments	Adjust antenna Keep the TV away from noise sources: Such as automobiles, neon lights, and hair dryers.
Certain TV channels are blocked (Hope to acquire some channels)	Please use the automatic scanning function to increase the number of channels not included in memory.
Overlapping images or ghost images	Please use multi-directional outdoor antenna. (If your TV is subject to the influence of nearby mountains or buildings)
Cannot use a function	If the item you choose turns gray, that item cannot be selected.

If you have further questions after reading the above descriptions, please contact the Customer Service Center of your local distributor.

Display panel	Active Area / Screen Size	930.24 (H) x 523.26 (V) (42.02" diagonal)
	Aspect Ratio	Widescreen 16:9
	Max. of Pixels	1920(H) x 1080(V)
	Lamp Life of Backlight	50,000 hrs (min.)
	LCD Mode	Super MVA technology
	Brighthess	500 nits (Typ)
	Contrast Ratio	1600:1 (Typ)
	Response Time	4ms (gray to gray average) (Typ)
Side I/O Input and output	AV Input x2	AV Composite (RCA) + Audio-R/L (RCA)
	SV Input x1	S-Video (4 pin Dim) + Audio-R/L (RCA)
	Component Input x1	YPbPr (RCA) + Audio-R/L (RCA)
	HDMI Input x1	HDMI
	AV Output x1	AV Composite (RCA) + Audio-L/R (RCA) sound output is fixed and does not change with the volume.
Rear I/O Input	HDMI Input x2	HDMI
	Component Input x1	YPbPr (RCA) + Audio-R/L (RCA)
	VGA Input x1	RGB (D-sub 15pin) + PC Audio (3.5mm Jack)
Compatibility	Video/Audio system	Video system: NTSC
		Audio system: Stereo/Mono/SAP
		Sound Effect system: SRS TruSurround XT
	PC Support Timing VGA / DVI	VGA: 640x480 @60Hz SVGA: 720x400 @70Hz / 800x600 @60Hz XGA: 1024x768 @60Hz WXGA: 1360x768 @60Hz HD: 1920x1080 @60Hz (Native mode)
	HDMI ↔ DVI	
	HDMI Scanning forma SDTV/HDTV Scanning format	480i / 480p / 720p / 1080i @60Hz 1080p @24Hz/60Hz
Power	Input Voltage	AC100-240V, 3.5A (max.), 50/60Hz
	Operation	<300W (Max)
	Standby	1 W at AC 110V (typical)
Environment	Operating	5 - 35°C (41 ~ 95°F)/10% ~ 90% (no condensation)
	Storage temperature	-20 - 60°C (-4 ~ 140°F)/10% ~ 90% (no condensation)
Other	Built-in speaker	8 Ω / 15W (max.) x2 SubWoofer 20W x 1

* This product requires an optional LCD TV box to enable the TV function.

Display panel	Active Area / Screen Size	1039.68(H) x 584.82(V) (47" diagonal)
	spect Ratio	Widescreen 16:9
	Max. of Pixels	1920(H) x 1080(V)
	Lamp Life of Backlight	50,000 hrs (min.)
	LCD Mode	Super MVA technology
	Brighthess	450 nits(Typ)
	Contrast Ratio	2000:1(Typ)
	Response Time	4ms (gray to gray average) (Typ)
Side I/O Input and output	AV Input x2	AV Composite (RCA) + Audio-R/L (RCA)
	SV Input x1	S-Video (4 pin Dim) + Audio-R/L (RCA)
	Component Input x1	YPbPr (RCA) + Audio-R/L (RCA)
	HDMI Input x1	HDMI
	AV Output x1	AV Composite (RCA) + Audio-L/R (RCA) sound output is fixed and does not change with the volume.
Rear I/O Input	HDMI Input x2	HDMI
	Component Input x1	YPbPr (RCA) + Audio-R/L (RCA)
	VGA Input x1	RGB (D-sub 15pin) + PC Audio (3.5mm Jack)
Compatibility	Video/Audio system	Video system: NTSC
		Audio system: Stereo/Mono/SAP
		Sound Effect system: SRS TruSurround XT
	PC Support Timing VGA / DVI	VGA: 640x480 @60Hz SVGA: 720x400 @70Hz / 800x600 @60Hz XGA: 1024x768 @60Hz WXGA: 1360x768 @60Hz HD: 1920x1080 @60Hz(Native mode)
	HDMI ↔ DVI	
	HDMI Scanning forma SDTV/HDTV Scanning format	480i / 480p / 720p / 1080i @60Hz 1080p @24Hz/60Hz
Power	Input Voltage	AC100-240V, 4.7A (max.), 50/60Hz
	Operation	<353W (Max)
	Standby	1 W at AC 110V (typical)
Environment	Operating	5 - 35°C (41 ~ 95°F)/10% ~ 90% (no condensation)
	Storage temperature	-20 - 60°C (-4 ~ 140°F)/10% ~ 90% (no condensation)
Other	Built-in speaker	8Ω / 15W (max.) x2 SubWoofer 20W x 1

* This product requires an optional LCD TV box to enable the TV function.