

Vertex2 / DIVA 安裝與設定

溫馨提醒

安裝圖解

設定

---基本設定(一般用戶)

---進階設定(專業用戶)

DIVA HDR>SDR 功能設定

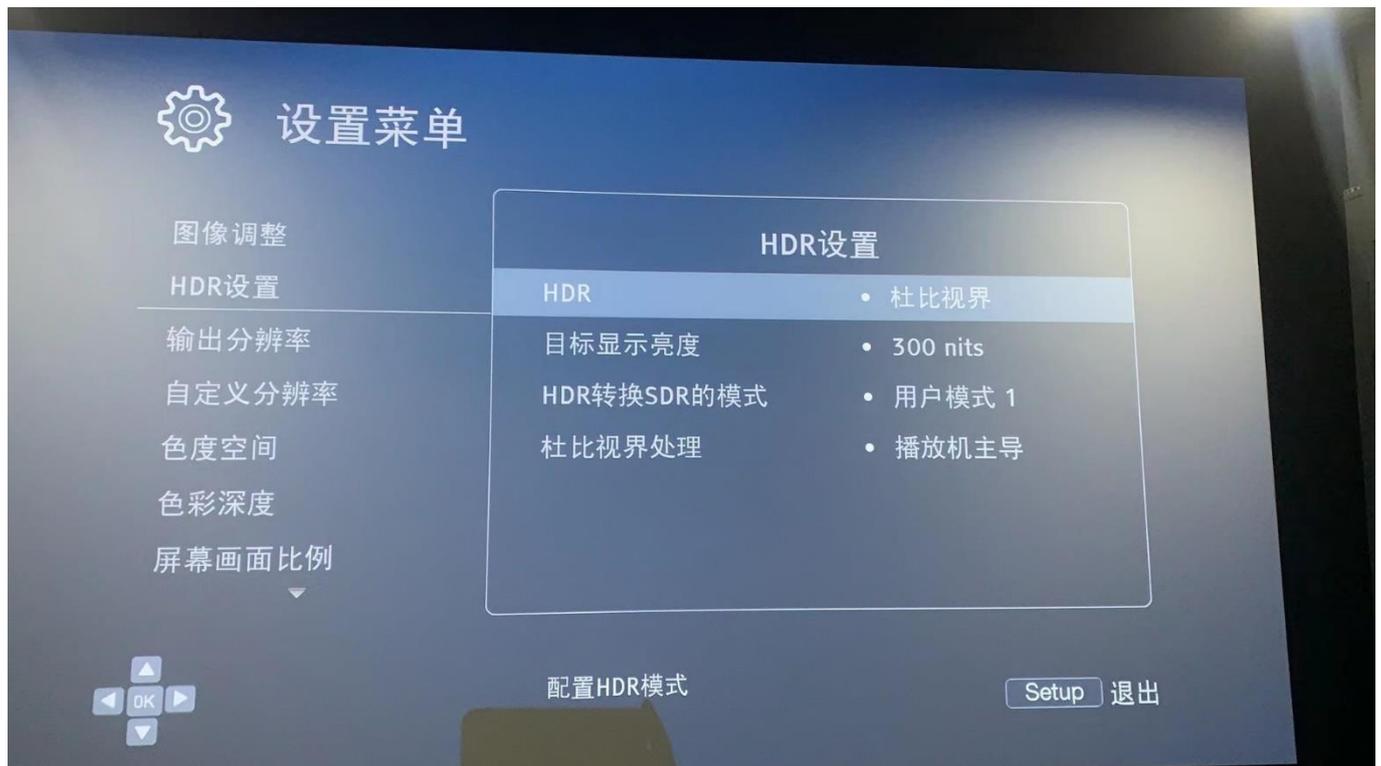
問題反饋(須提供 config 檔案)

韌體更新

重置設備出廠預設值

溫馨提醒

請注意！使用 OPPO 播放器時，可以強迫設定輸出一律為 LLDV(杜比視界)
這樣可以讓 2k SDR 到 4K UHD HDR 的電影都升頻 DV 輸出



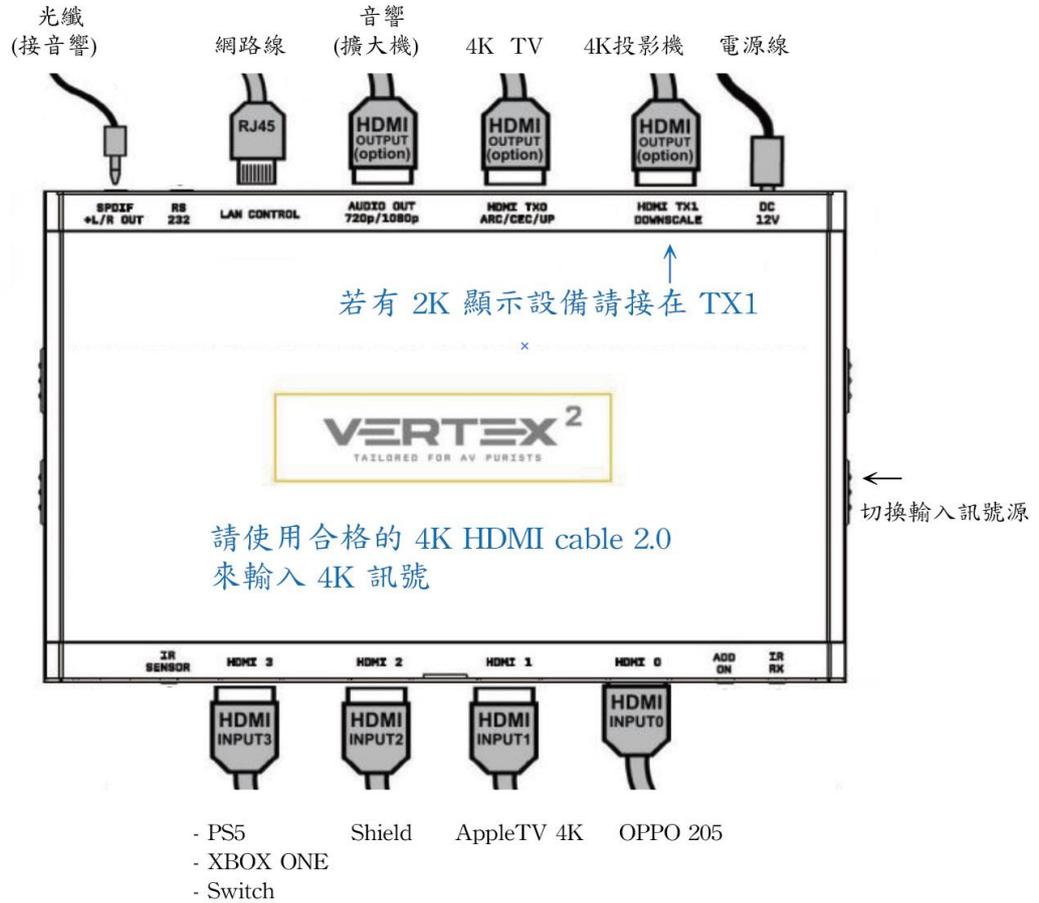
Vertex2/Diva 只有接收到 LLDV 才能轉換成 HDR

其餘的訊號都是直通，例如：4K60 UHD HDR、1080P HDR 等，只要不是 LLDV 都是直通
因為 Vertex2/Diva 不能把 1080P 或 4K60 的影片變成 DV 影片

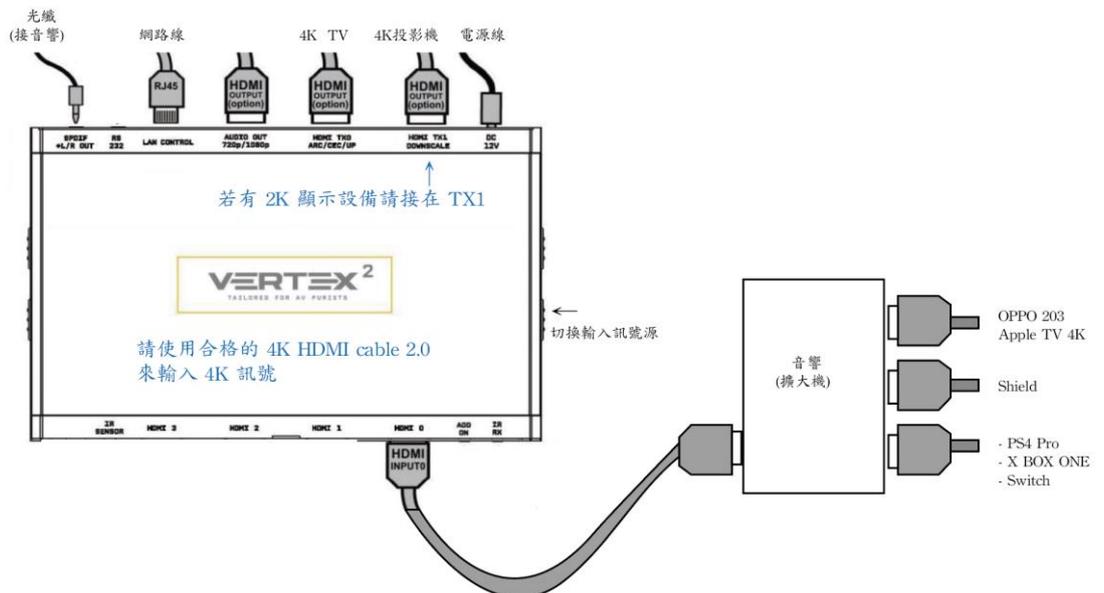
安裝圖解

安裝方式 (一) 使用 Vertex2 當切換器

★★★ 請勿將HDFury輸出串接其他廠牌切換器 ★★★



安裝方式 (二) 使用音響來當切換器--請確認音響支援 Dolby Vision / atmos



設定

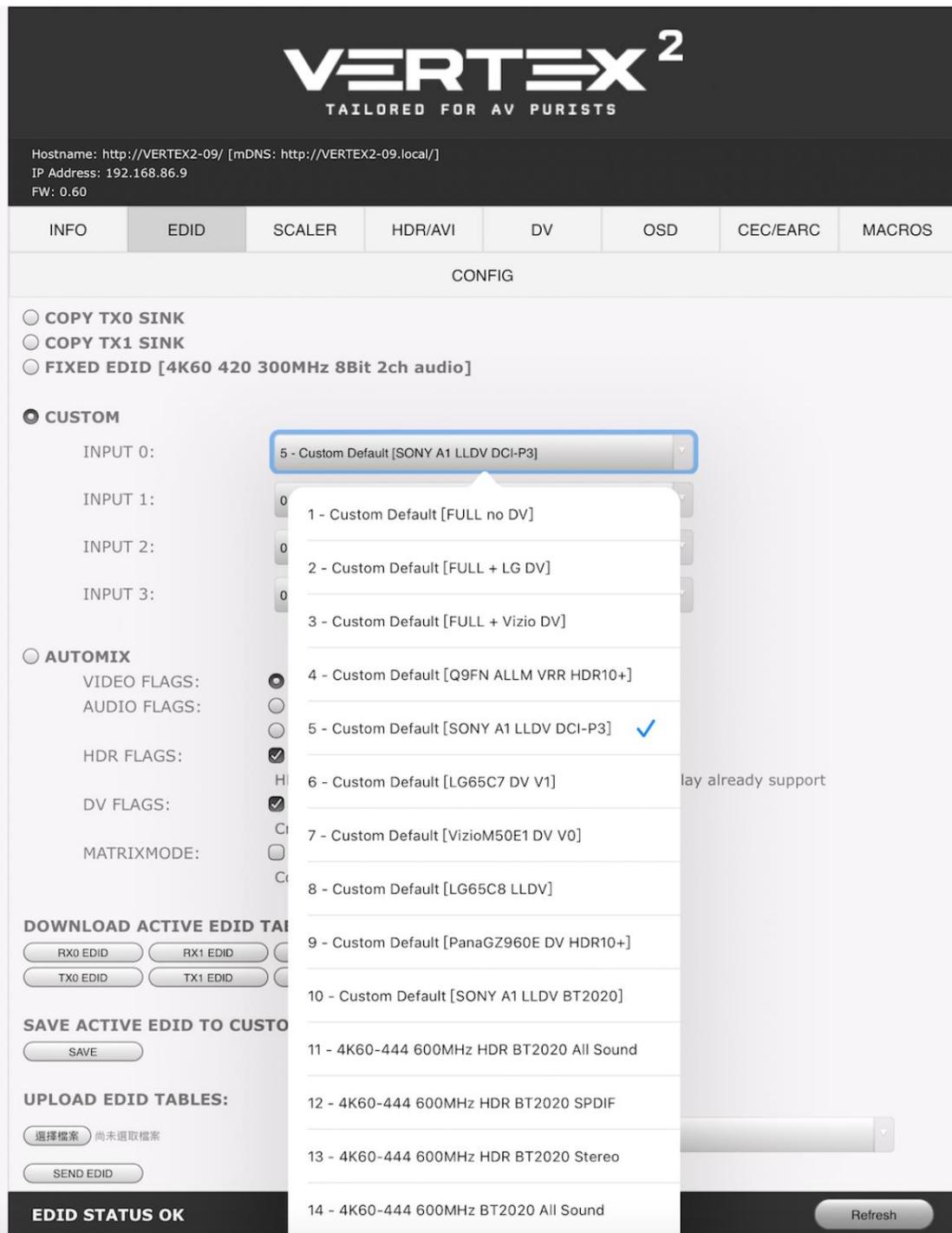
1. 先將網路線接至 Vertex2 或 DIVA ,再接上電源線點亮螢幕後會顯示 IP 位址
2. 在同網段的手機或電腦開啟瀏覽器例如 Chrome, 在網址列上鍵入 IP 位址,就能看到設定畫面
以此範例為 <http://192.168.1.117>



基本設定(一般用戶)

讓投影機可以播杜比視界訊號的設定

A. 勾 CUSTOM > 選 5. Custom Default [SONY A1 LLDV DCI-P3]



B. HDR/AVI 頁面設定如下

INFO	EDID	SCALER	HDR/AVI	DV	OSD	CEC/EARC	MACROS	
TOOLS				CONFIG				
CAPTURED INPUT HDR METADATA:								
<input type="text"/>								
EOTF: GRN: BLU: RED: WP: Max/Min Lum: MaxCLL/FALL:								
HDR METADATA GENERATOR:								
<input type="checkbox"/> Use custom HDR for TX0 and TX1 [ignore RX HDR]								
<input type="checkbox"/> Use custom HDR for TX0 and TX1 when input is HDR10 [ignore RX HDR10]								
<input type="checkbox"/> Use custom HDR for TX0 and TX1 when input is HLG [ignore RX HLG]								
<input type="checkbox"/> Use custom HDR for TX0 and TX1 when input is HLG and display has no HLG support								
<input checked="" type="checkbox"/> Use custom HDR for TX0 and TX1 when input is LLDV								
<input type="checkbox"/> Disable output HDR for TX0 and TX1 when input is HDR10								
<input type="checkbox"/> Disable output HDR for TX0 and TX1 when input is HLG								
<input type="checkbox"/> Disable output LLDV for TX0 and TX1 when input is LLDV								
<input type="checkbox"/> Disable all output HDR/HLG [keep LLDV]								
EOTF:	SMPTE ST 2084			Primaries:	DCI P3		WP:	D65
Max Luminance [nits]:	<input type="text" value="4000"/>							
Min Luminance [nits]:	<input type="text" value="0.0001"/>							
MaxCLL [nits]:	<input type="text" value="1000"/>							
MaxFALL [nits]:	<input type="text" value="400"/>							
<input type="text" value="87:01:1a:e1:02:00:c2:33:c4:86:4c:1d:b8:0b:d0:84:80:3e:13:3d:42:40:a0:0f:01:00:e8:03:90:01:00"/>								
<input type="button" value="Create IF"/>		<input type="button" value="Default IF"/>		<input type="button" value="Send HDR"/>				

進階設定(專業用戶)

依自己定義 DV 轉 HDR 的參數設定

A. 勾 AUTOMIX 如下選擇

The screenshot displays the EDID configuration interface with the following settings:

- INFO | **EDID** | SCALER | HDR/AVI | DV | OSD | CEC/EARC | MACROS | CONFIG
- COPY TX0 SINK
- COPY TX1 SINK
- FIXED EDID [4K60 420 300MHz 8Bit 2ch audio]
- CUSTOM**
- INPUT 0: 5 - Custom Default [SONY A1 LLDV DCI-P3]
- INPUT 1: 0 - Follow INPUT 0
- INPUT 2: 0 - Follow INPUT 0
- INPUT 3: 0 - Follow INPUT 0
- AUTOMIX**
- VIDEO FLAGS: TX0 TX1
- AUDIO FLAGS: STEREO 5.1 FULL
- TX0 TX1 **AUDIO OUT**
- HDR FLAGS: HDR/HDR10+ HLG
- HDR/HDR10+ and HLG not need to be checked if display already support
- DV FLAGS: **CUSTOM DV STRING**
- Create DV string under DV tab
- MATRIXMODE: COPY SINKS
- Copy sink EDIDs directly without applying EDID flags
- DOWNLOAD ACTIVE EDID TABLES:**
- RX0 EDID | RX1 EDID | RX2 EDID | RX3 EDID
- TX0 EDID | TX1 EDID | AUD EDID
- SAVE ACTIVE EDID TO CUSTOM EDID 10:**
- SAVE
- UPLOAD EDID TABLES:**
- 選擇檔案 尚未選取檔案
- TABLE #: 1 - Custom #1
- SEND EDID
- READY** Refresh

Annotations in the image include a red arrow pointing to the AUTOMIX section, a blue box with the text "表示投影機接TX0" pointing to the TX0 radio button, and red circles around the TX0, HDR/HDR10+, HLG, and CUSTOM DV STRING options.

B. HDR/AVI 頁面設定如下

INFO	EDID	SCALER	HDR/AVI	DV	OSD	CEC/EARC	MACROS	
TOOLS				CONFIG				
CAPTURED INPUT HDR METADATA:								
<input type="text"/>								
EOTF: GRN: BLU: RED: WP: Max/Min Lum: MaxCLL/FALL:								
HDR METADATA GENERATOR:								
<input type="checkbox"/> Use custom HDR for TX0 and TX1 [ignore RX HDR]								
<input type="checkbox"/> Use custom HDR for TX0 and TX1 when input is HDR10 [ignore RX HDR10]								
<input type="checkbox"/> Use custom HDR for TX0 and TX1 when input is HLG [ignore RX HLG]								
<input type="checkbox"/> Use custom HDR for TX0 and TX1 when input is HLG and display has no HLG support								
<input checked="" type="checkbox"/> Use custom HDR for TX0 and TX1 when input is LLDV								
<input type="checkbox"/> Disable output HDR for TX0 and TX1 when input is HDR10								
<input type="checkbox"/> Disable output HDR for TX0 and TX1 when input is HLG								
<input type="checkbox"/> Disable output LLDV for TX0 and TX1 when input is LLDV								
<input type="checkbox"/> Disable all output HDR/HLG [keep LLDV]								
EOTF:	SMPTE ST 2084			Primaries:	DCI P3		WP:	D65
Max Luminance [nits]:	4000							
Min Luminance [nits]:	0.0001							
MaxCLL [nits]:	1000							
MaxFALL [nits]:	400							
<input type="text" value="87:01:1a:e1:02:00:c2:33:c4:86:4c:1d:b8:0b:d0:84:80:3e:13:3d:42:40:a0:0f:01:00:e8:03:90:01:00"/>								
Create IF		Default IF		Send HDR				

C. 在 DV 頁面做如下設定,參數都可以依照投影機調整,
 調整完後請點選 **1. Create** 產生設定值,再點選 **2. Send DV** 才會生效
請留意:斷電後此數值會消失,綠色框線內為設定值字串可以儲存下來
 下次復電貼回後,點選 **Send DV** 即可,不需再重複設定步驟

INFO
EDID
SCALER
HDR/AVI
DV
OSD
CEC/EARC
MACROS
TOOLS
CONFIG

CAPTURED INPUT DOLBY VISION METADATA [from source]:

81:01:1B:4A:46:D0:00:03:00:00:00:00:00:00:00:00:00:00:00:00:00:00

DV Status: active
 DV interface: low latency
 Backlight metadata: not present
 Backlight Max Luminance: not present
 Auxiliary runmode: not present
 Auxiliary version: not present
 Auxiliary debug: not present

CONNECTED DOLBY VISION EDID DATABLOCK [sink tx0]:

DV Version: not present
 DV DM Version: not present
 DV Interface: not present
 2160p60: not present
 YUV422 12bit: not present
 Global Dimming: not present
 Backlight Control: not present
 RED Primary: not present
 GREEN Primary: not present
 BLUE Primary: not present
 MAX/MIN Luminance: not present

CONSTRUCT CUSTOM DOLBY VISION DATA BLOCK (for advanced users only):
 Generates a 12-byte DV Version 2 Data Block. Select AUTOMIX with CUSTOM STRING -flag to activate.

DV Interface: Low latency 12Bit YCbCr 422 ←

Primaries: DCI P3 ← YUV422 12bit: supported ← Global Dimming: not supported ←

Backlight Ctrl: not supported ← Backlight Minlum: 100 nits ← Support 10/12b: 10/12b disabled ←

RED Primary X: 0.680
 RED primary Y: 0.320
 GREEN primary X: 0.265
 GREEN primary Y: 0.690
 BLUE primary X: 0.150
 BLUE primary Y: 0.060

MAX luminance [nits]: 1000 Range 100 - 10000 nits
 MIN luminance [nits]: 0 Range 0 - 1 nits

EB:01:46:D0:00:45:03:80:86:60:76:8F

Create
Default
Send DV

DV STATUS OK
Refresh

DIVA HDR>SDR 功能設定

請將 1080p SDR 的投影機接至 DIVA 的 TX1

至 DIVA>TOOLS 設置 TX1 SDR 輸出

到 TOOLS 頁面，PROFILE 選擇 7 – STM Profile 7

大多數用戶應該使用 Profile 7 獲得最佳效果

但是，某些顯示器可能會使用稍微不同的配置文件呈現更好的顏色

INFO	EDID	SCALER	HDR/AVI	DV	OSD	CEC/EARC	MACROS	TOOLS	CONFIG
------	------	--------	---------	----	-----	----------	--------	--------------	--------

HDR to SDR CONVERSION: [FOR TX1]
Select tone-mapping profile below. Conversion applied when the input signal is HDR10 or LLDV

PROFILE:

問題反饋

在 **CONFIG** 頁面點選 **EXPORT** 後會產生下載文字檔,請提供我們協助解決問題

如下圖



The screenshot displays the CONFIG page of the VERTEX2 interface. The page is divided into two main sections: VERTEX2 SETUP and VERTEX2 CONTROL.

VERTEX2 SETUP:

- AUTOSWITCH INPUTS: OFF ON POWER ON SENSE
- Reboot required after changes. ON SENSE -only for advanced users.

VERTEX2 CONTROL:

- REBOOT UNIT:
- EXPORT CONFIG: (highlighted with a blue box and a red arrow pointing to it. A blue box contains the text "執行後會產生檔案")
- IMPORT CONFIG: 尚未選取檔案
- ISSUE HOTPLUG:
- RESET TO FACTORY DEFAULTS:
 - CLEAR ALL SETTINGS TO FACTORY DEFAULTS:
 - EDID FACTORY SETTINGS:
 - Type RESET here
- FW UPDATE: 尚未選取檔案

韌體更新

在 CONFIG 頁面下

先點選 1 選擇要更新的韌體檔案,再點選 2 SEND 開始更新

約等 1 分鐘後完成更新會重新開機

畫面如下

The screenshot displays the CONFIG page of the VERTEX2 SETUP interface. The top navigation bar includes tabs for INFO, EDID, SCALER, HDR/AVI, DV, OSD, CEC/EARC, MACROS, and CONFIG. The main content area is titled 'VERTEX2 SETUP:' and contains several sections:

- AUTOSWITCH INPUTS:** Includes radio buttons for OFF, ON POWER (selected), and ON SENSE. A note states: 'Reboot required after changes. ON SENSE -only for advanced users.'
- REBOOT UNIT:** Features a REBOOT button.
- EXPORT CONFIG:** Features an EXPORT button.
- IMPORT CONFIG:** Features a '選擇檔案' (Select File) button (with subtext '尚未選取檔案') and an IMPORT button.
- ISSUE HOTPLUG:** Features a SEND button.
- RESET TO FACTORY DEFAULTS:** Includes checkboxes for 'CLEAR ALL SETTINGS TO FACTORY DEFAULTS:' and 'EDID FACTORY SETTINGS:'. Below these is a 'Type RESET here' input field and a RESET button.
- FW UPDATE:** Features a '選擇檔案' (Select File) button (with subtext '尚未選取檔案') and a SEND button.

Annotations on the screenshot indicate the update process:

- A red arrow points to the '選擇檔案' button in the FW UPDATE section, labeled with a red '1'.
- A blue box highlights the 'SEND' button in the FW UPDATE section, with a blue arrow pointing to it from the text '點選1選擇下載檔案後再點選2執行' (Click 1 to select the download file, then click 2 to execute).
- A red '2' is placed below the SEND button in the FW UPDATE section.

The bottom status bar shows 'CONFIG STATUS OK' and a Refresh button.

重置設備出廠預設值

在 CONFIG 頁面下依下圖步驟執行

The screenshot shows the CONFIG page with the following sections:

- INFO** | **EDID** | **SCALER** | **HDR/AVI** | **DV** | **OSD** | **CEC/EARC** | **MACROS** | **CONFIG**
- VERTEX2 SETUP:**
 - AUTOSWITCH INPUTS: OFF | ON POWER | ON SENSE
 - Reboot required after changes. ON SENSE -only for advanced users.
- VERTEX2 CONTROL:**
 - REBOOT UNIT:
 - EXPORT CONFIG:
 - IMPORT CONFIG: |
 - ISSUE HOTPLUG:
 - RESET TO FACTORY DEFAULTS:
 - CLEAR ALL SETTINGS TO FACTORY DEFAULTS:
 - EDID FACTORY SETTINGS:
 - RESET: |
 - FW UPDATE: |
- CONFIG STATUS OK** |

Annotations in the image:

- A blue box highlights the text: "在1的欄位鍵入大寫RESET 後，點選2執行"
- A red arrow labeled "1" points to the text input field containing "RESET".
- A red arrow labeled "2" points to the "RESET" button.