

5" FPV LCD MONITOR

5吋FPV顯示屏

INSTRUCTION MANUAL

使用說明書

(HEM00003T)

ALIGN



True Colors
Easy to Carry

真實色彩 攜帶方便



Controller Not Included
產品內不含遙控器

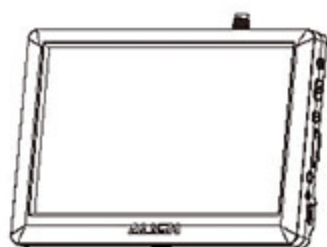
Thank you for purchasing of Align products. Please read the manual carefully before installing and be sure to retain the manual for future reference.

承蒙閣下選用亞拓遙控世界系列產品，謹表謝意。使用前請仔細閱讀，並妥善保管本說明書，以作為日後參考。

FEATURES 產品特點

- 5 Frequency and 40 Channel.
- Includes the most 5.8GHZ wireless devices.
- Small and lightweight design, easy to carry
- Built-in high-capacity polymer battery for outdoor use.
- Press one button for automatic searching switch which is easy to operate.
- Supports screen recording function (micro SD up to 32G).
- OSD display allow to follow the working condition
- Micro USB allows for power input.
- Supports multi language.
- Supports firmware update.
- 5個頻率組，40個頻道
- 涵蓋大部分5.8GHZ無線設備
- 體積小輕薄設計，攜帶便利性
- 內置高容量聚合物電池，方便戶外使用
- 一鍵自動搜頻，操作簡便
- 支援螢幕錄影功能(micro SD 最高32G)
- OSD顯示在屏幕上，隨時掌握設備工作狀態
- Micro USB接口，可供電源輸入
- 支持多國語言選單
- 支援韌體升級

STANDARD EQUIPMENT 標準配備



5" FPV LCD Monitor
5吋FPV顯示屏

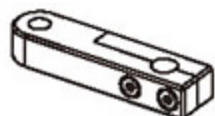


5.8G Circular Polarized Antenna
5.8G無向性天線

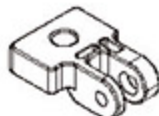


AV Cable
AV線

Micro USB Charging Cable
Micro USB充電線



Transmitter Bracket
遙控器支架



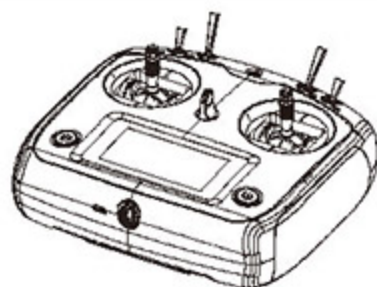
Camera Bracket
螢幕固定座



Mounting Screw
固定螺絲

OPTIONAL 另購配備

[HERT1001]



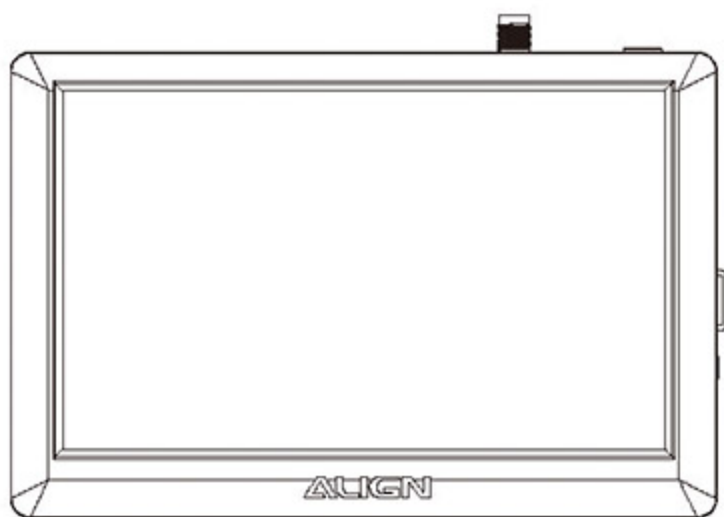
T10 Transmitter
T10遙控器



T10 Transmitter Bracket
T10遙控器支架

RP-SMA
天線安裝孔

Automatic searching switch: Press and hold the button for 1 second.
Function confirm (In function menu): Momentary press button
* Stop recording: Momentary press button during recording
長按1秒: 自動搜尋頻率
短按(於功能選單中): 功能確認鍵
* 錄影模式中短按: 結束錄影



Previous/ Add
* Start recording: Momentary press button during recording
上一頁/增加
* 錄影模式中短按: 開始錄影

Power On/Off 電源開關
ON/OFF: Press and hold the button
Menu: Momentary press button
長按: 電源開關
短按: 選擇菜單

Next/ Decrease
下一頁/減少

Micro SD Memory Card (up to 32G)
Supports screen recording function and firmware update
Micro SD插槽(最大支援32G)
支援螢幕錄影功能/韌體更新

Video input terminal/ AV IN
影像輸入端子/AV in

Status indicator LED
指示燈

Micro USB Charge
Micro USB充電

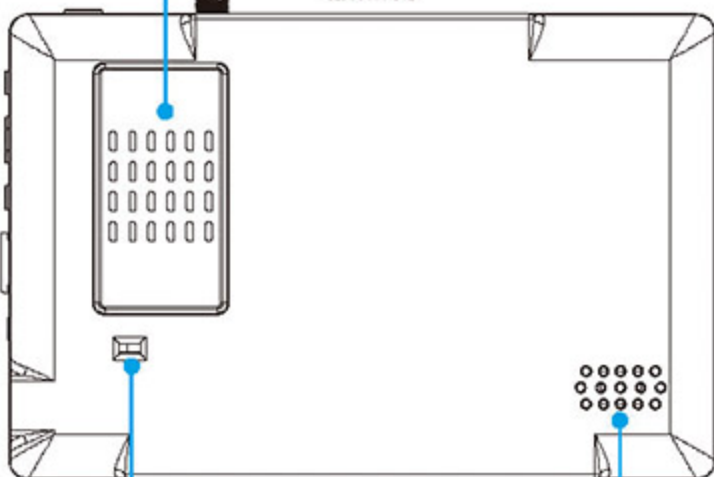
1. The monitor will power on and start charging automatically after plug with the power supply; and will auto power off after unplug the power supply.

2. The monitor will be in hibernate mode automatically after charging for 10 seconds. Please press the power on button temperately to start the monitor up again, then you can work with the monitor while charging.

1. 插入電源，螢幕會自動開機；拔除電源即自動關機。

2. 充電10秒後，螢幕則自動進入休眠狀態；或短按電源開關鍵取消休眠狀態，可於充電狀態下使用螢幕。

Vents
散熱孔



Sound on / off
喇叭靜音開關

Volume
Adjustment
喇叭



Connection Point of Holder
支架連接點

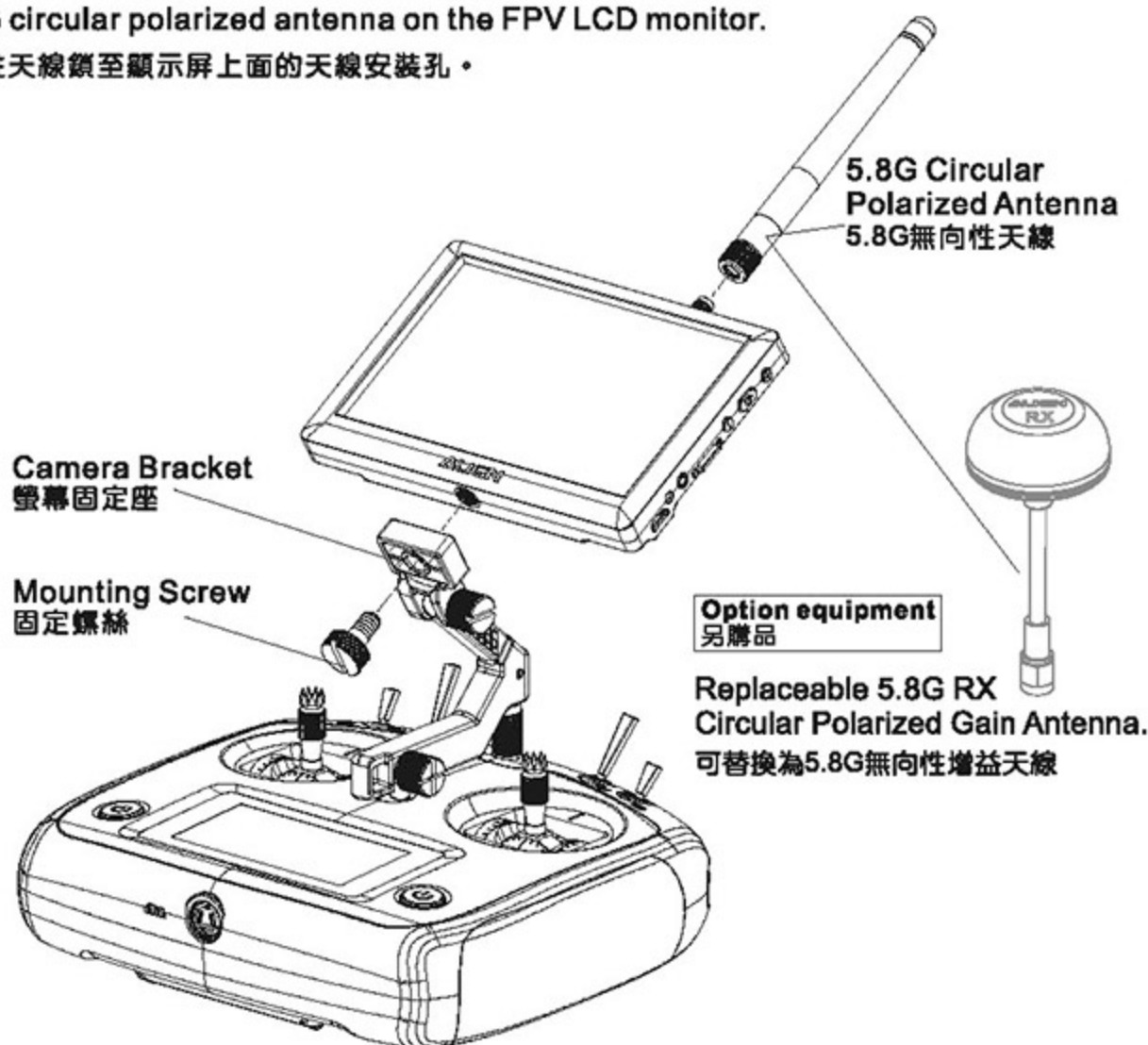
1. ASSEMBLY WITH T10 TRANSMITTER 搭配T10遙控器組裝

STEP.1 步驟.1

INSTALL ANTENNA 安裝天線

Mount 5.8G circular polarized antenna on the FPV LCD monitor.

將5.8G無向性天線鎖至顯示屏上面的天線安裝孔。



STEP.2 步驟.2

INSTALL ON TO T10 TRANSMITTER 安裝設備到T10遙控器

Keep 5" FPV LCD monitor level with transmitter bracket, and install the monitor by tightening the screws back. Adjust the position of 5" FPV LCD monitor & transmitter to finish installation.

將螢幕固定座對齊遙控器支架組底端，鎖上固定螺絲固定；調整5吋顯示屏與遙控器的位置，即完成組裝。



CAUTION
注意

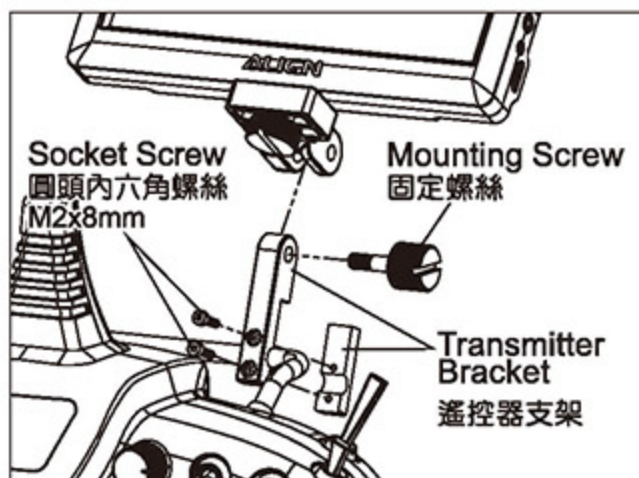
Make sure to fully loosen the knob screws before start assembling to prevent screw strip.

調整旋鈕時，請務必要完全鬆開再調整；否則易造成旋鈕咬合的齒位磨損而無法鎖緊。

2. ASSEMBLY WITH OTHER TRANSMITTERS 搭配遙控器把手組裝

Fix the transmitter bracket on the transmitter handlebar.

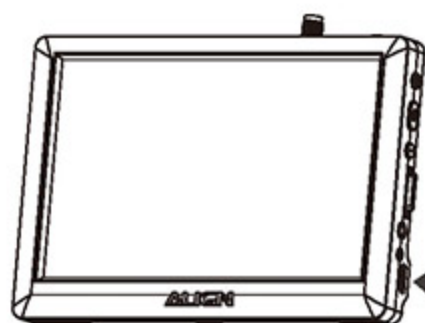
將遙控器支架鎖附於遙控器把手。



POWER CABLE INSTALLATION 電池充電接線示意圖

1. When the battery is in low voltage, the status indicator LED will become steady red, please make sure to get battery charged immediately.
2. The monitor will power on and start charging automatically after plug with the power supply; and will auto power off after unplug the power supply.
3. The monitor will be in hibernate mode automatically after charging for 10 seconds. Please press the power on button temperately to start the monitor up again, then you can work with the monitor while charging.

1. 當電池電量不足時，電源指示燈會呈現紅燈，此時請立即充電。
2. 插入電源，螢幕會自動開機；拔除電源即自動關機。
3. 充電10秒後，螢幕則自動進入休眠狀態；或短按電源開關鍵取消休眠狀態，可於充電狀態下使用螢幕。

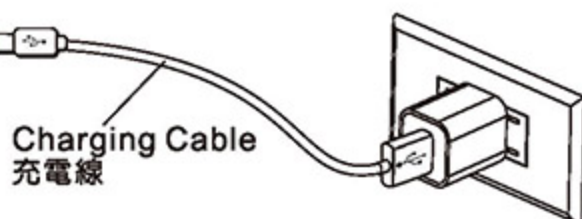


5" FPV LCD Monitor
5吋FPV顯示屏



注意

Specification of the USB power supply:
Output voltage DV 5V, Output current 1A or higher.
關於電源供應器的規格需求：電壓輸出DC5V 電流輸出1A以上。



Charging Cable
充電線

Additional tools required for charging USB power supply.
請自備USB埠的電源供應器



DC 5V 1A output

Examples of suitable power supply include: iPhone, travel charger for HTC phones, or commonly available USB power supply for cell phones, MP3 players, or PDA.

可使用的電源供應器例如：iPhone、HTC的手機旅充、或一般市售提供給手機、MP3、PDA等產品用的電源供應器。



iPhone



HTC



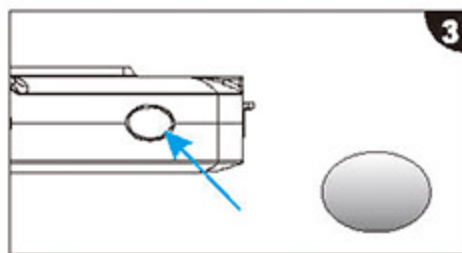
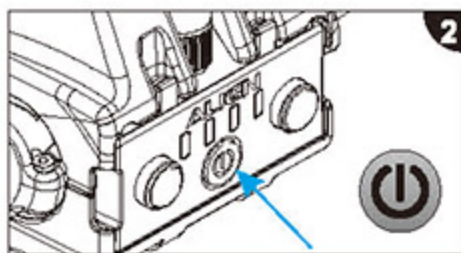
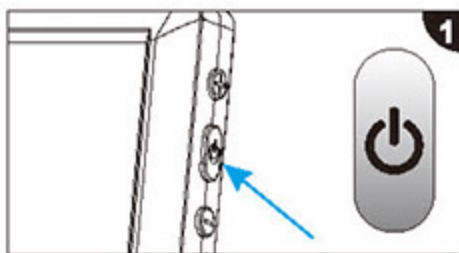
Commonly available products
一般市售品(DC 5V 1A output)

ICON 圖示	FUNCTION 功能作用	ICON 圖示	FUNCTION 功能作用
	ON/OFF: Press and hold the button Menu: Momentary press button 長按: 電源開關 短按: 選擇菜單		Previous/ Add * Start Recording: Press and hold the button. 上一頁/增加 * 長按: 開始錄影
	Automatic searching switch: Press and hold the button for 1 second. Function confirm (In function menu): Momentary press button * Stop recording: Momentary press button during recording 長按1秒: 自動搜尋頻率 短按(於功能選單中): 功能確認鍵 * 錄影模式中短按: 結束錄影		Next/ Decrease 下一頁/減少
	Choose frequency and channel 選擇頻組與頻道		Choose item to set up 選擇設定項目
	TV System: AUTO、PAL、NTSC 制式類型: AUTO、PAL、NTSC		Mode: 16:9、4:3 模式類型: 16:9、4:3
	Brightness Adjustment 調整亮度		Saturation Adjustment 調整飽和度
	Backlight Adjustment 調整背光		Loudspeaker 調整音量
	Set up language 設定語系		Set up date and time 設定日期與時間
	Display Version 顯示目前版本		Turn on/off OSD display 開啟或關閉螢幕OSD顯示
	Reset to factory default 恢復原廠預設值		Choose recording function setting 選擇錄影功能設定
	Set up recording format 30 fps/60 fps 設定錄影格式 30 fps、60 fps		Play video 選擇播放錄製的影像
	SD card format SD卡格式化		

AUTOMATIC SEARCHING SWITCH 自動搜頻

1. Press and hold the menu/ ON/OFF button for 3 seconds until the status indicator LED lights up blue to power on.
2. Power on multicopter or video transmitter.
3. Momentary Press and hold the button for 1 second, 5" FPV LCD monitor's automatic searching switch button to search the video transmitter channel automatically.

1. 長按菜單/開關機鍵進行開機，成功開機後指示燈會亮起藍燈。
2. 打開多軸機或圖傳發射器的電源。
3. 長按1秒，5吋螢幕的自動搜頻鍵就可自動搜尋圖傳發射器所設定的頻道。



CHANNEL LIST 40頻頻段表

	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8
BAND A	5740	5760	5780	5800	5820	5840	5860	5880
BAND B	5725	5745	5765	5785	5805	5825	5845	5865
BAND C	5733	5752	5771	5790	5809	5828	5847	5866
BAND D	5705	5685	5665	5645	5885	5905	5925	5945
BAND E	5658	5695	5732	5769	5806	5843	5880	5917

STATUS INDICATOR LED 燈號顯示

	Blue Light: Battery level higher than 35% 藍燈：電量35%以上。
	Red Light: Battery level lower than 35% 紅燈：電量35%以下。
	Blue Light /Charging Icon: Charging 充電中：藍燈、螢幕顯示充電圖示。

RECORDING INSTRUCTION 錄影說明

Micro SD Memory Card: Recommend to use MicroSD Class 10
Micro SD選用：建議使用microSD Class 10 記憶卡。

	Start Recording:[+ button]Press and hold the button. 開始錄影：[+鍵]長按
	Rcording:The [Camera] icon flashes on the screen. 錄影中：螢幕會有[攝影機]圖示閃爍
	Stop recording:[Confirm] Momentary press button. 停止錄影：[確認鍵]短按

FIRMWARE UPDATE INSTRUCTION 韌體更新方法



Please make sure there is enough battery level before updating. Do not operate, interrupt power and power off during updating, or it will cause machine damage.

更新前務必檢查電量是否足夠，更新時禁止操作或中斷電源、關機，否則會造成機體損壞無法使用。

1. Power off 5" FPV LCD monitor.
 2. After save the update file in the Micro SD memory card, insert the memory card into the unit. Press and hold the [ON/OFF] button to power on and it will show the "Update" to start updating. And it will power off after updating.
 3. Must take out the Micro SD memory card and delete the update file to prevent repeating update.
1. 關閉5吋螢幕電源。
 2. 將更新檔案存放於Micro SD記憶卡後，將記憶卡插入本機，長按[開關鍵]開機後會出現Update的字樣，代表已開始更新，更新完會自動關機。
 3. 務必再取出Micro SD記憶卡，將更新檔案刪除，避免重複更新。

SPECIFICATION & EQUIPMENT 規格配備

Screen 顯示屏	5" TFT LCD screen/long life, LED backlight
Resolution 分辨率	800x480 dot pitch
Brightness 亮度	450 cd/m ²
Screen 對比度	500:1
View Angle 可視角度	140/120 degree (Horizontal/Vertical) 140/120度(水平/垂直)
Antenna Connector 天線接口	Antenna Connector: RP-SMA External thread, Inner needle RP-SMA 外螺紋、內針
Channel 頻道	5.8G Input; 5 Brands/40 Frequency selectable (Automatically switch to the frequency with batter signal) 5.8G輸入，5頻段40頻可選
Battery 電源	DC: 5.0/1A, Built-in 2500mAh Li-Po battery DC 5.0V/1A充電/供電，內置2500mAh鋰電池，充滿電可連續工作2.5-3小時以上
Power Consumption 功耗	600mAh@5V(maximum) 600mAh@5V(最大)
Working Temp 工作環境	-10~+65 degrees -10度~+65度
Dimension/Weight 尺寸/重量	128.5x83x11.5mm/165g