

Package



Back/ Front Plate



- · Flashing Red LED, indicates errors occurred, alarms triggered
- · Red LED blinks 3 times & off continuously, when the connection is interrupted



1 MKT: Mean Kinetic Temperature Caculation

12 File: Total number of files **13** %H: Relative Humidity %

*Please refer to User Manual, Configuration & Data Analysis, for more information.

LL: Low Limit

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Descriptio

Reconnection

DLY: Delay Time

19 DM: date/ minute

Pairing & Configuration Pairing Video 🕟

APP Pairing

- * At least one XH13 running, search and download "XH Logger" from mobile App
- * Open the XH Logger APP icon on your mobile. For first time user
- * Tap 1 [WiFi] in the upper right corner.
- * Tap 2 [Register] to complete a new account registration
- * Tap 3 [Log in]. Fill in your email and password to login. Go to the App homepage * Tap 4 [Scan the QR Code] to add a new XH13 device.
- * Scan the QR Code on the back of the cover 6.
- * Click 6 [Join] add a XH13 for iOS devices and [Connect] for Android devices.
- $^{\ast}\,$ Wi-Fi connection is available for pairing only when SN is shown XH13_XXXXXX in the Wi-Fi list. If the screen ([Join][Connect] missing, must check whether in pairing mode or not. If not, reset the device to pair again.
- * Select one Wi-Fi name from the list to connect to the XH13. Choose one from the signal strength list. From [SSID List Signal Strength], select one Wi-Fi name 🔊 🧐 and type this Wi-Fi password.
- * Press@ [Save] in the upper right corner. Tap [Ok]. Device added successfully and Pairing has been completed.



APP Quick Configuration

* Set Time Zone: The step is required to activate, resetting Time to unlock the system default setting. Select one connected XH name (2), which connected shown green light. Tap (B[...] State in the upper right corner to enter this single device configuration. Reset Time and save to exit again even if your local time is the same as the default. Tap 🚳 [Function Settings] > ()[Device Content] > ()[Time Zone] to select the local time zone and then tap [Save] to exit.

* Set Log Interval: The step is required to activate, resetting Log Interval to unlock the system default setting. Set the interval not zero. Tap @[Function Settings] > @[Data Logging] to select the log interval, @HMS hour/minute/second interval at least one not zero, and then tap [Save] to exit.

* Change the language interface: if needed

The App supports English and Traditional Chinese. To change language, go to mobile Settings, change Language & Region (iOS). * Update Firmware to the latest version

-Tap @[Function Settings] > @[Device Content] > @[Firmware Update>>Software Update] to update the firmware to the latest version, and then tap [Save] to exit. -Reset Time and save to exit again even if your local time is the same as the default. Tap

[Function Settings] >
[Device Content] >
[Time Zone] to select the local time zone. and then tap [Save] to exit. * Start Recording

-Start Recording immediately: Select one connected XH name (). Tap ([...] State in the upper right corner to enter this single device configuration. Tap [Start Record]. -Scheduled Session Start: Tap ()[...] State in the upper right corner to enter this single device configuration. Tap @[Function Settings], and select [Data Logging]/ [Start Mode>At



START - Long press Start recording SCROLL/MENU D - Short/ Long press Toggle screen/ menu views STOP - Short press 5 times cont. Reset and clear all old pairing STOP - Long press 3 secs Stop recording after logging - Long press 3 secs after stopping Sleeping mode before logging All keys > 2 - Short press Wakeup from sleep mode

HL: High Limit

16 MH: month/ hour

18 Log: Log interval

Operation Mode

Start Recording	Description				
Immediate (APP)	Immediate recording after configuration when setting activation				
	from the App				
	Long Press START ► key for more than 3 secs when setting				
5 // 0///0	the XH through App				
Button (XH13)	The button mode also working with <start delay="">, long press</start>				
	START key for more than 3 secs. When reaching the start delay				
	time, it will automatically start recording				
Specific Time	Start recording when reaching the specific time, when setting				
(APP)	from the App				
Stop Recording	Description				
None	Stop by App configuration				
	Long press STOP key for more than 3 secs at logging mode,				
Button	or stop by App				
Specific Time	When reaching the stop time, it will automatically stop recording				

3-Key Operation START ▶ - Short press

AWSIOT Cloud Web Operation/ Activation

- * Please finish registration in the App and pair the device via the App. Login to the webpage using owner accounts, https://cloud.brainchildtw.com. ① Please note that XH13 could only newly being added from the App.
- * After AWSIOT registration, login to the web. Click on the left upper corner [Device Management], and then enter device operation. (2)

AWSIOT Login		BrainChild				
AWSIOT Log in X. +	- 0	Braincinia	Ahello	change password	Sign out	
\leftrightarrow \rightarrow C \equiv cloud.brainch \star	요 😩					
Email URL Email	1	()	- N	Device		
xxx12345@xxxxooo.com			= "	lallayement		
password PWD		Device management	Device	management		
		 Group management 	Search fiel	ld: please choose	✓ search	
		Alarm event management	Conditional	relationship: AND OO	۶	
login			+Add Sear	ch clear search	iquire	

Battery Charge

* The XH13 uses a rechargeable battery; when receiving the brand new product, before usage for the first time, please charge the new device to full level via USB port. Use one microUSB-USB cable, connecting USB port to power supply DC5V/1A.(≧1A) When the device completely no power, less than 20%, the totally charging time to fully charged takes around 4 hr to finish with connecting to DC5V/1A charging adapter. For normal usage, recharge the device every 2 to 3 months.

Battery Level with 0-4		Battery Level with 0-4			
	4 scales: Power 100%		1 scale: Power 40%		
	3 scales: Power 80%	Ū	0 scale: Power < 40%		
	2 scales: Power 60%		Frame Blinking: Power < 20%		

Error Code

Code	Reason						
Er01	Wi-Fi module abnormal disconnection, failed to start, please restart or reset						
Er02	Cloud registration failure, please registration and pairing again						
Er03	Login failed, please note whether ID/Password are correct, Wi-Fi signal as stable						
Er04	AWS/MQTT connection failure, please check your network connection working						
Er05	Wireless AP failed to connect, please check if the router is working properly.						
	Sensor failure, please contact local dealers or the original manufacturer						
EL02	Firstly check whether the external sensor connected correctly firmly						
Fr07	Device time stamp not available, device timer abnormal. Please connect to the						
2.01	XL Logger cloud/ App to synchronise the time. Reset the time zones. $6 6$						
Er08	The total files exceeds 100 and the memory is full. Please clear all file data						
	Start recording without setting parameters, logging interval lerror, setting/						
Er09	configuration error. Please reset log interval. 6						

An error symbol will appear when any error occurred/ red led flashing

XH13 FAO

※ Frequently Asked Tech Support Questions

- ▶ How to receive alerts via Email ?
- Users need to register new accounts on App/ Webpage using email as login IDs. The error messages will send to this email for notification. Select a frequently used email account as receiving alerts email when temperature/ humidity occur. (1)(2)(2)
- ▶ How to add a new XH13 device to cloud web account ? A new XH13 hardware device can only be added from the App version by
- scanning the QR code. After pairing, login to AWSIOT, the XH will appear ▶ How to share XH13 with others members ? * Login to the webpage using owner accounts, https://cloud.brainchildtw.com.
- Select one online XHLogger, 3 clilcking green button [Share], 4 inputting a member's email address, and select permission type. Click the button [Share]. After setting, the share account also can receive alerts emails when system sends alerts notification.



- * Login to the App, select one connected XH1. Tap (3...] State in the upper right corner to enter this single device configuration. Tap 2[Share] > [New] to add new member to the Share List, and then tap back icon to exit. ► How to upgrade the firmware of the XH13 ?
- * Upgrade via XH Logger App: After register and connect to the App. Scan the QR code on the XH. Complete pairing. Go to state>Function Settings> Device Content> Software Update. Follow the steps to complete.
- * Upgrade via AWSIOT Cloud: 12 Go to Function Menu> Device Management > Select one online> Fimware update. (5) Follow the steps to complete.
- *** If you have any other tech problems, please contact us and provide the serial number on the sticker from the back of the device.

For Data Logge **BrainChild** Model: XH13 Ver: OS0XH130A

XHLogger 數據記錄器



快速使用指南 XH13 Quick Start

▲ 產品包裝內容



■ XH13壁掛板安裝固定



LED

- 啟動時,閃爍紅/綠色LED。
- •記錄監控模式下,綠色LED閃爍。
- 若發生任何錯誤,紅色LED閃爍。
- •連線中斷時,紅色LED連續閃爍3下。





- **1** DLY: 延遲時間。(Delay Time)
- Log: 記錄間隔。(Log Interval) * 更多資訊請查閱 XH Logger 使 用手冊章節"組態和數據分析" 1 DM:日(D)/分鐘(M)

■ 按鍵操作

動作	說明
啟動鍵 ▶-短按	重新連線
啟動鍵 ▶-長按	啟動記錄
選單鍵Menu∂-短按/長按	切換畫面
停止鍵■-連續短按5下	重置設備清除舊的配對
停止鍵■-長按	長按停止記錄
-停止後長按	停止後長按進入休眠
所有按鍵 ▶ Ә■-短按	休眠中喚醒

■ 記錄運作模式

開始模式 Start	說明				
立即 (APP)	從APP設定啟用				
	由App設定後,由長按啟動 🕨 鍵開始記錄。				
按键	按鍵模式同時可搭配啟動延遲 (Start Delay),長按▶				
1X 10E	啟動鍵後待設定之啟動延遲時間到即開始記錄。				
指定時間 (APP)	由APP設定後,至指定時間到後即開始記錄。				
停止模式 Stop	說明				
未指定	從APP設定停止				
按鍵	可透過長按 ■ 停止鍵或由App停止紀錄。				
指定時間	至指定時間到後即停止記錄。				

■ 電池充電

*XH13採用充電電池,拿到新品時使用前請先自行充電。充電用microUSB-USB 線,接電源DC5V/1A充電。設備電池完全沒電時,接DC5V/1A(≧1A)充電約4小 時。正常使用時,約2~3個月充電一次 USB供雷

USB充電: DC 5V/1A

nicroUSB-USB線



■ 配對及設定

※APP配對啟用



- *至少一台XH13已開機運作,App商店上搜尋並且下載XH Logger
- * 手機上開啟XH Logger APP圖標
- * 點選右上角 ❶[WiFi]
- * 點選 2[註冊],完成註冊帳號申請
- * 點選 3[登入]
- * 點選 @[掃描產品上方QR Code],加入新硬體XH13
- * 掃描產品XH13背面上的QR Code 6
- * iOS裝置點選6[加入]、Android裝置點選[連線]。Wi-Fi列表裡有 XH13_XXXXX名稱的設備時才可進行WiFi連線∘若無❻的畫面需確認是 否處於配對模式。若否,請將裝置Reset後重新開始操作。
- *WiFi連上XH13,按下「請選擇您所想設定的Wi-Fi],按下Wi-Fi名稱 🛛 🏵 並填入所選擇的Wi-Fi密碼8。
- *按下儲存❶。完成配對。
- *完成配對裝置新增綠色標示到列表上。 00





設備新増成功

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※ APP快速設定

* 設定時區 Time Zone: 此為啟用時必要動作

3

按下設備名稱@設定時區,需已連線有綠燈,按下右上角@[---](設備管理)狀態進 入單一設備配置∘按下❶[功能設定],按下❶[裝置內容及設定],❻[時區]選當地 的時區,按下右上角[儲存]退出。

- * 設定記錄間隔 Log Interval: 此為啟用時必要動作 按下@[功能設定],按下@[資料記錄]設定記錄間隔,需選記錄間隔的HMS時分 秒間隔,至少一項設定不是00,儲存後退出。
- * 設定語言界面: 如需更改語言

App僅支援繁中及英文,更改手機的語言為繁中,App則轉為繁中。iOS用戶可到 設定>一般>語言及地區中更改。

* 更新韌體 FW: 如需使用最新版本

⑧進入單一設備配置∘按下❹[功能設定],按下❶[裝置內容及設定],按下❶[韌體 更新]依步驟更新韌體到最新版。

*開始記錄

立即開始: ⑧進入單一設備配置。按下[開始記錄]。

預約時段開始: 圓進入單一設備配置∘按下圓[功能設定],按下[資料記錄],選取時 間設置細節,再按下右上角[儲存]退出。

主意: 設備連線後,需先設定< 時區>,才會開始做記錄。	F5 XH13 、監測中 • 13	24.0°C 65.2%RH
時區與出廠預設一樣,仍 需要儲存才能啟用。	20.4°C 80%RH 1111	
·<記錄間隔>需重設,間隔 不可為0	RE115	Wintexper Encontent Encontent Encontent
		< ∄≆ 21



■ AWSIOT雲端網頁版操作

※雲端網頁啟用

- * 從PC瀏覽器開啟雲端網頁 https://cloud.brainchildtw.com
- * 帳號申請網頁版①填寫註冊資料,再按下[註冊帳號],完成註冊 可先在App完成註冊及XH13配對,或在網頁版註冊新帳號。
- 注意: *新增XH13硬體只能從App版新增
- * 按下[登入],登入網頁版帳號①
- * 按下左上角②設備管理。開始操作列表上的設備。



錯誤代碼

代碼	說明
ER01	Wi-Fi模組異常無法正常啟動。請重新啟動或重置設備。
ER02	雲端註冊失敗。請重新註冊、重新配對。
ER03	登入失敗,請確認ID及密碼是否正確,並注意Wi-Fi訊號強度是否穩定
ER04	AWS/MQTT 連線失敗。請檢查網路連線是否異常。
ER05	無線AP分享器連線失敗。請檢查路由器是否正常運作。
ER06	感應器故障,請與經銷商聯絡,請先檢查外接感測器是否正確接上。
ER07	裝置的時間異常。請檢查網路連線。請至雲端版連線設定參數 ⑥ 🚯
ER08	記憶體已滿或者檔案數已達100個。請先清除資料。
	沒有設定參數後執行開始記錄。如果為全新XHLogger,請連線雲端
ER09	網頁版/手機App版,至功能或設備管理中設定參數 ⑥ 🕲

XH13 FAQ常見問題

▶ 如何收到異常通知

- * 需先註冊帳號, Email為登入ID, 設備及溫/濕度異常時傳送通知 到此Email。①22
- ▶ 如何加入新的XH13到網頁帳號中
- *新增XH13硬體只能從App版新增,登入XH Logger App後,掃QR code新增設備。
- *再從PC上開啟網頁,登入後,新增的XH13硬體會出現在列表上。
- ▶ 如何與成員分享XH13
- * AWSIOT: 登入網頁擁有者帳號,按下左上角[設備管理],設備列表中 選取已連線的設備③,按下綠色[分享]④,輸入成員的ID/Email帳號, 選取權限,按下[分享]。之後有異常時,分享的帳號也會收到異常通知
- * App: 登入App,選擇運作中的設備🕑,按下右上角[...] 🖲 (設備管理) 狀態,按下[分享],新增email為分享名單。2

	記錄	連線	更新進度			(5) ^{功能}	6	(4)	
11年間	Stop	Connect	(3)	詳情	報表	朝體更新	参數	分享	刪除
Â	Stop	Disconnect		詳情	報表	韌體更新	参數	分享	刪除

▶ XH13韌體如何升級?

- * App版: 須先完成XH Logger App與XH13的配對。App[首頁]-> 進入 已連線的單一設備配置->[•••]->[功能設定]->[裝置內容及設定] ->「軟體更新]。①
- * AWSIOT版: 需在App上已新增好XH13, 註冊登入AWSIOT -> [功能選 單]->[設備管理]->已連線的單一XH13配置->[韌體更新]。①②⑤