



ALFHEIM™

Dancing flames are the combination of light and melody.  
Fire Elves help light up dark places for human  
beings and dance as they please.

ALFHEIM TECHNOLOGY CO., LTD.

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FIRE ELF

Quick Start Guide

Thank you for choosing ALFHEIM™ FIRE ELF (AF-A1BC) Bluetooth Flashlight Speaker.

品名规格：AF-A1BC说明书 90\*90mm 105g双铜纸 单黑双面印刷

## English

### 目錄 ► Contents

English	1
Français	9
Deutsch	17
Italiano	25
Español	33
繁體中文	41
简体中文	48
日本語	55
한국어	63

### Key Features

- Aluminum housing designed for shockproofing.
- Stereo speaker with crystal-clear sounds, loud and sweet.
- Built-in MIC for hands-free calling.
- Bluetooth CSR 4.0 wireless transmission technique.
- Power bank function.
- CREE LED + 3 illumination modes: Bright / Super Bright / Strobe 1m (1500 lumens)/ 5m (50 lumens)/ 10m (15 lumens)
- Emergency alarm hotkey.
- Power save mode.  
After 6 minutes without Bluetooth connection, power will be switched off.
- Battery can be disassembled.
- Samsung 18650 Li-ion battery with 2600mAh capacity.  
Music playing time lasts up to 24 hours;  
Flashlight illumination time lasts up to 10 hours;  
Music + flashlight running together lasts up to 4 hours.
- Tri-color LED light to indicate battery capacity status.

### Package Contents

• FIRE ELF Bluetooth Flashlight Speaker x 1	• Quick start guide x 1
• Micro-USB to USB recharging cable x 1	• 360° bicycle flashlight mount x 1
• Metal carabiner x 1	

NOTICE: The quick start guide includes a worldwide warranty card. Please keep for future service.

### System Requirements

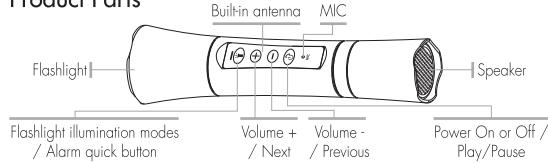
Compatible with PCs, smartphones, or mobile devices with Bluetooth connection support.

## Product Technical Data

Model Name: FIRE ELF (AF-A1BC)  
Built-in: Samsung 18650 Li-ion Battery  
Input Voltage : DC5V 1A  
Speaker Output Power: 3W  
Receiving Sensitivity: ≥8dB  
Output Voltage : DC5V 1A  
Operating temperature: - 20 ~ 40 degrees

Product Size: 157x40mm  
Li-ion Battery Capacity: 2600mAh  
Frequency Band: 200Hz-15KHz  
Speaker specification: 32mm 4Ω  
Speaker Distortion: ≤5%  
Flashlight LED: CREE XPE

## Product Parts



## Connected to Mobile Device

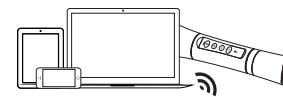
1. Power on by pressing the button for 3 seconds. The speaker will provide voice prompts (Power on, Pairing). The blue LED light will start blinking to indicate that it is waiting for Bluetooth device pairing.
2. Turn on Bluetooth from your mobile device and search for new device. Your device will display the speaker's name, "FIRE ELF". If the process requires you to enter a password, please enter "0000". When connection is successful, the speaker will provide a voice prompt ("Audio device connected."). The blue LED indicator light will slowly flash on and off.

2

Power on! Pairing!



Audio device connected



## Mobile Phone System Connection Steps

### iOS System (iPhone series)

Steps: Turn on the mobile device. Go to: Settings ▶ Bluetooth ▶ Enable Bluetooth  
▶ Automatically search for new devices ▶ Click < FIRE ELF > ▶ Wait for voice prompt, "Audio device connected."

### Android System (Samsung/HTC/Xiaomi etc.)

Steps: Turn on the mobile device. Go to: Settings ▶ Bluetooth ▶ Enable Bluetooth  
▶ Click 'search for new devices' ▶ Click < FIRE ELF > ▶ Wait for voice prompt, "Audio device connected."

Note: Different OS types or smartphone brands may have different connection methods.

## PC Connection Methods

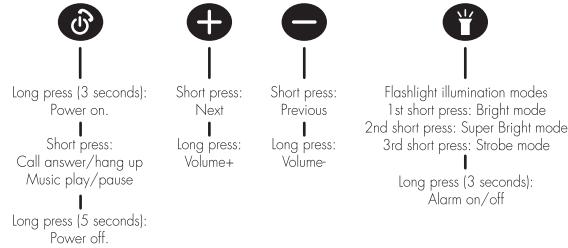
1. Long press the button for 3 seconds to power on the speaker. The speaker will provide voice prompts ("Power on, Pairing"). The blue LED indicator light will start blinking. This means it is ready for Bluetooth device pairing.
2. Turn on Bluetooth on your PC.  
Go to: My Computer ▶ Control panel ▶ device/printing ▶ Add device  
(Or right-click the Bluetooth icon from the taskbar on the bottom-right corner ▶ Add device.)  
"FIRE ELF" will be listed. Choose "FIRE ELF" and click "Next step".  
The computer will automatically install the Bluetooth device driver.  
FIRE ELF will be ready to use after the installation is complete.

3

Next time you use FIRE ELF with your PC, first turn on the computer's Bluetooth, then turn on FIRE ELF. They will be connected automatically.

Note: Your PC or notebook must be equipped with Bluetooth functionality in order to use with FIRE ELF.

### Buttons and Functions



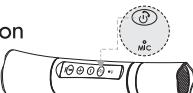
### MIC Incoming Hands-free Call Function

Built-in MIC supports smart voice calls. Bluetooth CSR 4.0 high-speed data transmission.

Great sound quality for hands-free calls or conference calls.

If you receive an incoming call while music is playing, press the button to pick up the call. Music play will be paused. After you finish the call, music play will resume automatically.

Note: Incoming hands-free call answering is the default setting. If you would like to change the way calls are answered, please adjust the setting from your mobile phone.

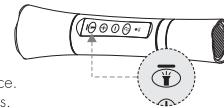


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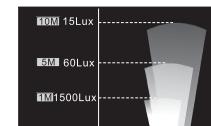
### Adjustable Flashlight Modes

Three modes

- 1st level: Bright ▶ Short press button once.
- 2nd level: Super Bright ▶ Short press button twice.
- 3rd level: Strobe ▶ Short press button three times.

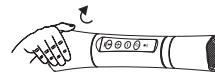


### Flashlight's Lumen Data Tables



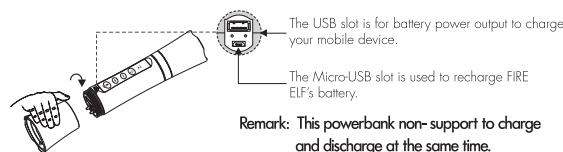
### Power Bank Function

Uses Samsung 18650 Li-ion battery with 2600mAh capacity.  
Charge your mobile device freely anytime/anywhere.



Step 1:  
Open by twisting flashlight's cup counterclockwise.

Step 2:  
Plug the mobile phone's charging cable into the USB slot, then press button once to charge your mobile device.

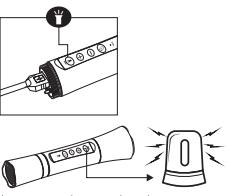


Remark: This powerbank non-support to charge and discharge at the same time.

5

### Battery Capacity Indication

Green LED light: 80%-100%.  
Orange LED light: 30%-80%.  
Red LED light: 10%-30%.  
Red LED flashing: 10% or lower.

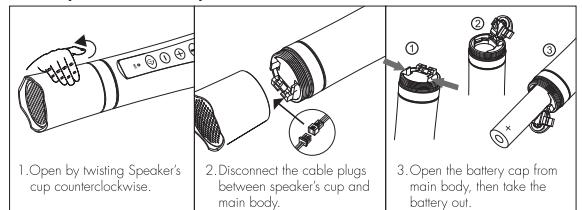


### Hotkey for Emergency Alarm

FIRE ELF has a built-in alarm hotkey in case of emergency.

Long press **1** button for 1.5 seconds to trigger the alarm sound immediately.  
Attract attention for help and get out of trouble.  
To switch off the alarm sound, long press **1** button for 1.5 seconds again.  
Long press **1** button for 1.5 seconds to trigger alarm sound.

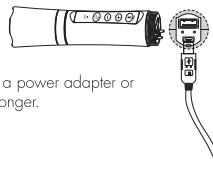
### Battery Disassembly



Note: We do not encourage you to replace the battery by yourself.  
If required, please ask for help from a professional technician.

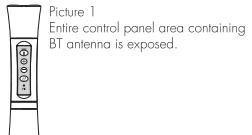
### Recharge your FIRE ELF

FIRE ELF adopts the Universal Micro-USB charging standard.  
For first-time use, please recharge your FIRE ELF with a power adapter or with USB power from your computer for 5 hours or longer.



### Bluetooth's Antenna Area

Please avoid covering FIRE ELF's BT antenna area.



### Common Questions and Answers (Q & A)

#### No. Questions

#### Answers

1	Repeating pairing? Connection is not successful?	Check if FIRE ELF is in Bluetooth pairing state. Check if there are other Bluetooth peripherals connected to your PC/mobile phone. Please disconnect other Bluetooth peripherals from your PC/mobile phone. Repeat FIRE ELF connection steps.
2	Sound is too low? Or distorted?	Check and adjust the volume setting from PC/mobile phone.

3 Music with staccato rhythm?	Check if FIRE ELF is beyond the effective connection distance; or if there are obstacles between FIRE ELF and PC/mobile phone; or if the built-in antenna area is covered; or if there is no battery power.
4 Bluetooth indicator is not working?	Battery low. Please recharge your FIRE ELF.
5 Music "Play" and "Pause" not functioning?	Please try to adjust "Play" / "Pause" directly from PC/mobile phone, or shift to another music player.
6 Flashlight is not bright or is weak?	Battery low. Please recharge your FIRE ELF.

#### Battery Warning :



Battery charging for a long time will be explosion which should be properly handled. More detail things please read the user manual.

#### NCC Warning Statement

##### Article 12

Without permission, any company, firm or user shall not alter the frequency, increase the power, or change the characteristics and functions of the original design of the certified lower power frequency electric machinery.

##### Article 14

The application of low power frequency electric machineries shall not affect the navigation safety nor interfere a legal communication, if an interference is found, the service will be suspended until improvement is made and the interference no longer exists.

#### FCC INFORMATION

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC Radiation Exposure Statement  
This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

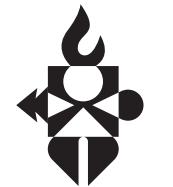
To get more help for ALFHEIM™ FIRE ELF, please visit the FIRE ELF product pages at [www.alfheimtec.com](http://www.alfheimtec.com).

Registering your ALFHEIM™ FIRE ELF

Please visit [www.alfheimtec.com/registration/online](http://www.alfheimtec.com/registration/online) and register to get:

1-year limited manufacturer's warranty

Free online technical support via [support@alfheimtec.com](mailto:support@alfheimtec.com) or [www.alfheimtec.com/support](http://www.alfheimtec.com/support)



愛樂飛™

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火精靈  
快速閱讀指南

AF-A1BC

非常感謝您選擇愛樂飛™ 火精靈藍牙手電筒音箱

品名規格：AF-A1BC說明書 90\*90mm 105g雙銅紙 單黑雙面印刷

## 繁體中文

### 產品特色

- 全鋁合金本體及高精度防水防震設計。
- 立體聲喇叭，音質清澈完美響亮，悅耳動聽。
- 內置 MIC，來電語音免持通話。
- 藍芽 CSR 4.0 無線傳輸技術，語音提示操作，提供高品質的音質及穩定性。
- 移動電源功能可隨時隨地為您的設備充電。
- 美國 CREE 高效能 LED 燈珠三種手電筒照明模式：  
一般模式、高亮模式、爆閃模式。  
1m (1500 LUMEN)/5m (60 LUMEN)/10m (15 LUMEN)
- 聲報響鈴快速按鍵因應各種突發狀況。
- 智能省電，藍芽斷開的狀態下，6 分鐘後自動關機
- 可拆解式的電池機構設計，可更換電池。
- 電池標準配備三星原裝 18650 鋰電池，額定電容量為 2600mAh。  
單獨播放音樂時可使用 24H 以上。  
單獨手電筒照明時 (一般亮度模式) 可使用 10H。  
手電筒與音樂同時使用時電池可使用 4H。
- 三色 LED 電量指示及低電壓提示。

### 產品包裝內容

- 愛樂飛火精靈藍芽手電筒音箱 x 1
- Micro USB 充電線 x 1
- 金屬登山環 x 1
- 產品說明書 x 1
- 360° 自行車固定座 x 1

注意：產品說明書也包含了全球保固卡，請務必保留做為售後服務依據。

### 系統需求及相容性

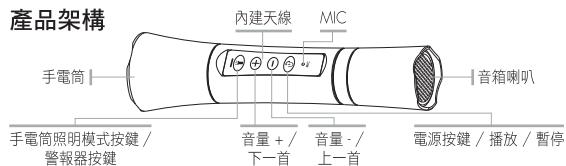
相容於有支援藍芽系統的 PC / iOS & Android 系統的智慧型手機。

## 產品技術參數

產品型號：FIRE ELF [AF-A]BC  
內含鋰電：Samsung 18650  
輸入電壓：DC5V 1A  
喇叭輸出功率：3W  
喇叭信噪比： $\geq 88$ dB  
輸出電壓：DC5V 1A  
操作溫度：-20~40度

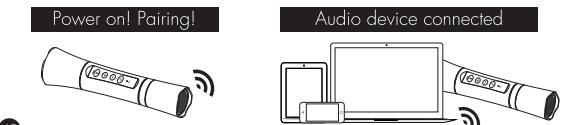
產品尺寸：157x40mm  
額定電容量：2600mAh  
音訊頻率：200Hz-15KHz  
喇叭規格：32mm 4Ω  
喇叭失真度： $\leq 5\%$   
手電筒燈珠：CREE XPE

## 產品架構



## 快速連接藍芽

1. 火精靈電源開關 長按 3 秒，音箱會發出語音提示 [Power on,Pairing]，藍色指示燈快閃，表示正在搜索新設備。
2. 打開手機藍芽功能，點擊搜索新設備，手機螢幕顯示【FIRE ELF】，如果配對過程中，提示需要輸入密碼，請輸入“0000”。  
當藍芽連接成功，將提示語音【Audio device connected】。  
此時藍色指示燈將緩慢閃動。



42

## 手機系統連接方法

### iOS 系統 (iPhone 系列產品)

方法：設定▶藍芽▶開啟藍芽▶自動搜尋裝置▶點選【FIRE ELF】  
▶語音提示連線成功 (Audio device connected)。

### Android 系統 (Samsung/HTC/Xiaomi etc.)

方法：設定▶藍芽▶開啟藍芽▶點選搜尋新裝置▶點選【FIRE ELF】  
▶語音提示連線成功 (Audio device connected)。

注意：不同品牌智慧型手機將會有不同藍芽連接步驟。

## 電腦連接方式

1. 火精靈電源開關 長按 3 秒，音箱會發出語音提示 [Power on,Pairing]，當藍色指示燈快閃，表示正在搜索新設備。

2. 打開電腦的藍芽功能  
▶點選我的電腦▶控制台▶裝置 / 印表機▶新增裝置  
▶列表框出現【FIRE ELF】後，點選“下一步”。

- ▶或者直接點選螢幕右下角任務欄中的藍芽圖示▶按右鍵新增連線  
▶進入搜尋藍芽裝置▶列表框出現【FIRE ELF】後，點選“下一步”。

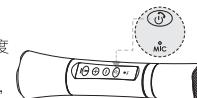
電腦會自動安裝藍芽驅動程式。安裝完成後即可使用。  
下次使用時需先打開電腦藍芽裝置，再打開 FIRE ELF 電源開關即可自動連接。

注意：連接藍芽的電腦必須配備藍芽功能。  
一般筆記本電腦通常內建藍芽功能，如無此功能可自行購買外接藍芽發射器。

## MIC 來電免持聽筒功能

內建 MIC，支援智能語音通話，藍芽 4.0 傳輸速度快，音質清晰，方便視訊會議及手機免持聽筒。

當播放音樂時若有來電出現，音箱會撥放來電鈴聲，

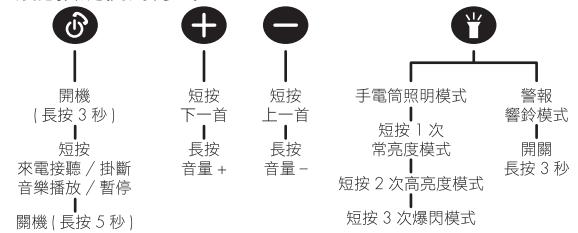


43

請按  電源按鍵或手機接聽鍵接聽電話，此時音樂播放會處於暫停狀態，待通話結束後，音樂將自動播放。

注意：若已設定 FIRE ELF 與您的行動電話藍芽連接，都將默認為藍芽語音通話。因手機型號不同，語音通話的裝置也有所不同，如需切換不同的接聽方式，請調節手機螢幕上的發聲源（如藍芽、擴音、聽筒）來改變通話設備。

### 功能按鍵使用方式

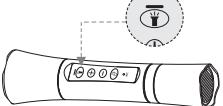


### 手電筒使用方式

本產品專為各種戶外休閒運動設計。

具有三種照明模式  
手電筒三種照明模式請按  光源按鍵。

常亮模式：短按  按鍵 1 次，手電筒會發出亮光。  
高亮模式：短按  按鍵 2 次，手電筒會發出強光。  
爆閃模式：短按  按鍵 3 次，手電筒會發出閃光。

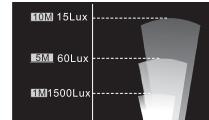


### 手電筒流明數值

10 M ▶ 15 Lux

5 M ▶ 60 Lux

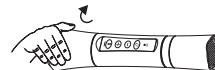
1 M ▶ 1500 Lux



### 行動電源使用方式

FIRE ELF 具備行動電源功能，內置三星原廠 18650 型號鋰電池，容量為 2600mAh，可隨時隨地為您的行動周邊產品充電，操作方法如下圖：

步驟一：  
請將此處燈頭以逆時針方向旋轉取下；



步驟二：  
請將您的行動周邊產品充電線插入 FIRE ELF 本體 USB 接口，  
按下  光源按鍵一次，  
即可充電。



註：此移動電源不具有同時充放電的功能。

### 電量指示功能

 光源鍵綠色燈亮時，電池容量為

80%~100%。

 光源鍵橙色燈亮時，電池容量為

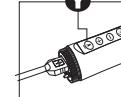
30%~80%。

 光源鍵紅色燈快閃時，電池容量為

10%~30%。

 光源鍵紅色燈慢閃時，電池容量低於

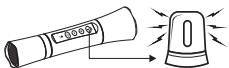
10%。



### 警報響鈴快速鍵

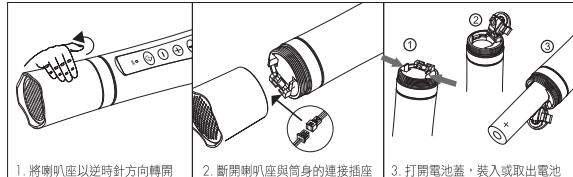
本產品內建警報響鈴功能，當遇到緊急情況時，長按  光源按鍵 1.5 秒啟動警報響鈴，此時立即響應警鈴聲。

如果您需要停止警報鈴聲，再長按  光源按鍵 1.5 秒即可關閉警報響鈴功能。



### 電池拆解方式

FIRE ELF 將電池座設計為可拆換方式，方便用戶更換電池。拆換方式如下圖：



注意：本產品電池座設計雖為可拆解方式，標準配備三星原裝鋰電池，一般情況下請勿隨意更換電池。如果必須更換，請諮詢專業人員進行拆解更換。

### USB 充電方式

FIRE ELF 採用通用型 MICRO USB 充電介面，可隨時隨地輕鬆充電；第一次使用本產品時，請先搭配使用適配器或連接電腦的 USB 介面充電 5 小時以上。充電時  光源鍵指示燈將根據產品當前電量顯示相應燈色。注意：當 FIRE ELF 低電壓時，紅色指示燈快閃。



為本產品充電時，電量由低到高，指示燈顏色分為：紅 => 橙 => 綠  
通過本產品為手機充電時，電量由高到低，指示顏色分為：綠 => 橙 => 紅

### 避免藍芽連線中斷

FIRE ELF 本體設計為全鋁合金材質，內置天線，天線區域如右圖一。請避免遮蓋產品天線區域。



### 常見問題與解決方法 (Q & A)

No.	常見問題點	解決方法
1	多次配對連接不成功	檢查 FIRE ELF 是否處於待機搜索狀態周邊藍芽設備太多，造成搜尋困難，請關閉其他藍芽裝置。
2	聲音過小或失真	檢查手機的音量設定值，調整手機音量至合適音量。
3	音樂播放出現斷音	查看 FIRE ELF 是否已超出有效連線距離，FIRE ELF 和手機之間是否有障礙物，內置天線是否與人體接觸或電量不足。
4	藍牙狀態指示燈不亮	表示電池電量不足，請充電。
5	播放 / 暫停無作用	請調整手機內的播放器 APP 或更換至其他播放器 APP。
6	手電筒燈不亮	表示電池電量不足，請充電。

### 電池警告標語：

 電池長時間處於充電狀態會有爆炸危險，棄置時應妥善處理，詳細注意事項請參考說明書。

## 低功率電波輻射性電機管理辦法

### 第十二條

經型式認證合格之低功率射頻電機，  
非經許可，公司、商號或使用者均不  
得擅自變更頻率、加大功率或變更原  
設計之特性及功能。

### 第十四條

低功率射頻電機之使用不得影響飛航  
安全及干擾合法通信；經發現有干擾  
現象時，應改善至無干擾時方得繼續  
使用。前項合法通信，指依電信法規  
定作業之無線電通信。低功率射頻電  
機須忍受合法通信或工業、科學及醫  
療用電波輻射性電機設備之干擾。

關於 ALFHEIM 愛樂飛火精靈的更多協助請訪問愛樂飛官網產品頁面瀏覽  
[www.alfheimtec.com](http://www.alfheimtec.com)

註冊 ALFHEIM FIRE ELF 火精靈藍芽手電筒音箱請前往  
[www.alfheimtec.com/registration/online](http://www.alfheimtec.com/registration/online)

完成線上登錄，您可獲得：一年期製造商全球保固  
免費線上技術支援 [support@alfheimtec.com](mailto:support@alfheimtec.com) 或 [www.alfheimtec.com/support](http://www.alfheimtec.com/support)