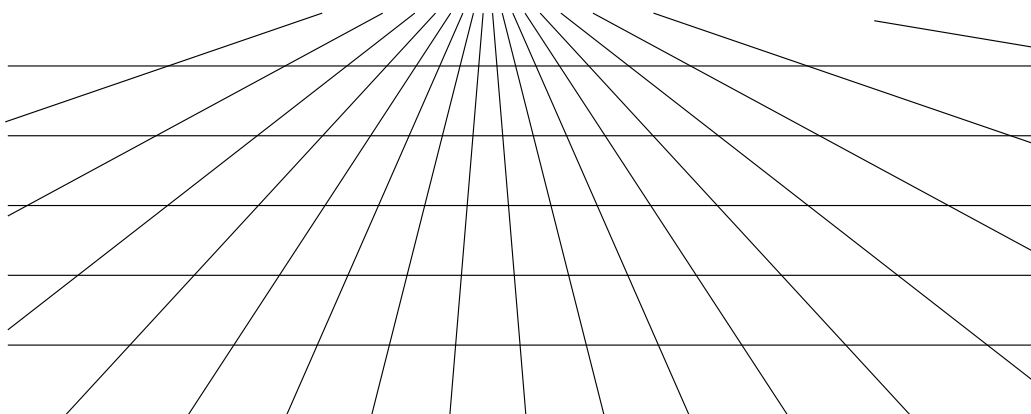


**TRANSISTOR MEGAPHONE
WIRELESS MEGAPHONE**

**INSTRUCTION
MANUAL**



**ER-68,ERV-68,ERU-68
SERIES**



CE

SEKAKU ELECTRON IND.CO., LTD.

TRANSISTOR MEGAPHONE



ER-68

OUTPUT:45W Max.

Please read this instruction manual to ensure its longer life by properly using.

■ Features

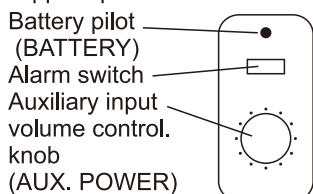
1. A 30W rated output megaphone with a large horn of 350 mm and operates on R20P or D batteries.
2. Can also operate on a battery of 12V DC through connection to an external power input socket.
3. A battery P.L to the unit makes it easy to check the cassette consumption.
4. An earphone output of the tape recorder or the radio cassette can be connected to the auxiliary input jack.
5. Incorporates lock switch for microphone.
6. Siren/fegot/whistle function are available.
7. Mountable on an optional speaker stand using with an optional mounting bracket.
8. A wireless microphone can be used with an optional wireless tuner, which enables remote speaking.(ERV-68,ERU-68)

■ Precautions

- The power source should be R20P or D batteries (10 pieces) or a car battery of 12V DC.
- When using a car battery, the car should be a 12V (-) earth version. The car battery operation is impossible if the car is a 24V DC or (+) earth version.
- Remove the batteries from the megaphone when you do not use the megaphone for a long period.
- Avoid exposing in rain.
- Do not use benzine or thinner in cleaning out.
- The optional wireless tuner module should be the SEKAKU WTU-211 series (ERV-68) WTU-410 series (ERU-68).
- The wireless microphone used should be the SEKAKU product. (ERV-68,ERU-68)
- In summer, do not leave this megaphone in a shut up car or do not use it in a place having strong sun-shine for a long period of time.

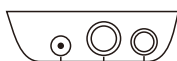
■ Nomenclature

Upper operation section



(Volume control for both wireless and AUX volume in the case of the unit fitted with wireless function)

Side section



Auxiliary input jack (AUX)
Mic input socket (MIC)
Input socket for external power source (DC-12V)



Power switch

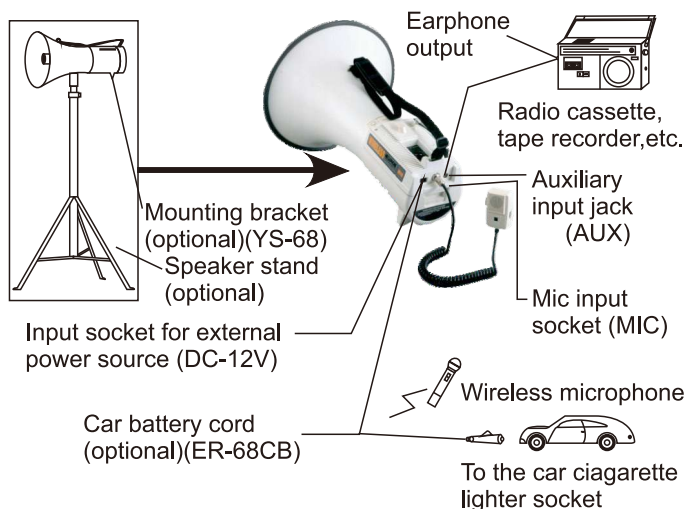
Volume control knob

WIRELESS MEGAPHONE



ERV-68,ERU-68

■ How to connect (example:ERV-68)



■ How to insert batteries

1. Push the battery cover in the direction indicated thereon and open it as shown in photo 1.
2. Take out the battery case and insert 10 of R20P or D batteries according to the polarity indication on battery case. Make sure the correct polarity. (photo 2)
3. Place the battery loaded battery case into the body of megaphone and fit the battery cover by pressing it as shown in photo 3.

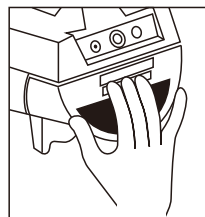


Photo 1

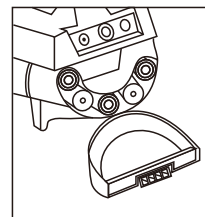


Photo 2

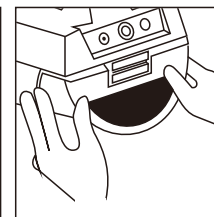


Photo 3

(Caution)

- Avoid mixed use of new and used batteries.
- When not using the megaphone for such a long period as more than 2 weeks, take out the batteries in order to protect the megaphone from corrosion to the caused by liquid leakage.

■ How to check the battery consumption

Check to see if an indication of the battery pilot pointer is green by pressing a microphone power switch or turning on clockwise an AUX input volume control knob.



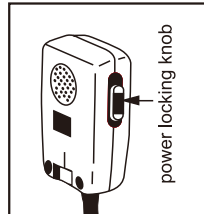
- Replace the batteries as early as possible as its excessive consumption does not provide the satisfactory sound volume.

■ Using microphone

1. Insert the attached microphone (DM-68) into the microphone input socket and securely tighten it.
2. Press a power switch located at the left side of microphone and adjust the volume to such appropriate level as to avoid the feedback by means of a volume control knob at the right of microphone.
3. Speak in a sufficiently loud voice with the lips as close to the microphone as possible.

• The microphone power switch can be locked.

Sliding a locking knob to the direction indicated with an arrow as shown in the figure always keeps the microphone "ON", which is convenient for speaking for long time.



(Caution)

After the use, make sure to slide the power locking knob downward to switch off power.

■ Using auxiliary (AUX) input jack

1. Connect an earphone output of the tape recorder or radio cassette.
2. Switch on the power by turning the auxiliary input volume control knob (power) in the clockwise direction from an "OFF" position and adjust the volume to an appropriate level.

(Caution)

After use, turn the volume control knob in the counter-clockwise direction to OFF to switch off.

■ Sounding alarm

1. Press the alarm switch (SIGNAL) located at the upper operating section, so that a alarm sounds immediately.
2. Release the signal switch, and a alarm stops sounding.

■ Using wireless microphone (ERV-68, ERU-68)

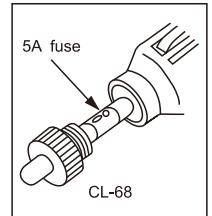
1. Install the wireless tuner unit (WTU-211 or WTU-811 series) inside in the following procedures.
 - (1) Open the battery case.
 - (2) Remove the instruction sheet indicating tuner unit installation.
 - (3) Insert and plug the tuner unit into the inside connector.
2. Switch on by turning the wireless volume control knob (power) - also used as a volume control for AUX - in the clockwise direction from an OFF position.
3. Turn the wireless microphone on.
4. Adjust the volume to an appropriate level with the volume control knob.

(Caution)

The antenna used should be fully extended.
The wireless microphone used should be the SEKAKU product with the same frequency (200MHz or 800 MHz band) as the one the receiver.

■ Using external power source

- When the power is supplied from the car battery, insert the optional car battery cord ER-68CB into the cigarette lighter socket in the car.
The CL-68 is fitted with a 5A fuse.
When the fuse blows, replace it after eliminating the cause.

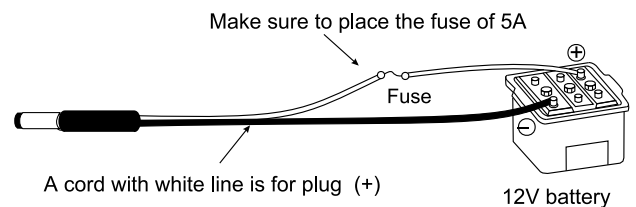


(Caution)

- Avoid using while an engine is activated, which may shorten life of apparatus.
- Make sure to get the power source from the car of 12V (-) earth.
- Car battery operation is impossible for a car of 24V DC or (+) earth version.
Erroneous use may result in failure of apparatus.
- A car cigarette socket is clogged with cigarette ash, etc., which often causes contact failures.
- Insertion of plug into the external power input terminal lets the external power have dominance over the battery for operation.

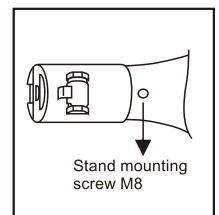
• When the power is supplied from the battery of 12V DC.

Remove a cigarette lighter plug and connect the cable to the battery directly as shown in the figure.



■ Using with the speaker stand

The megaphones can be mounted on the SEKAKU speaker stand ER-68ST using together with the SEKAKU mounting bracket ER-68YS. The ER-68ST and ER-68YS are both options.

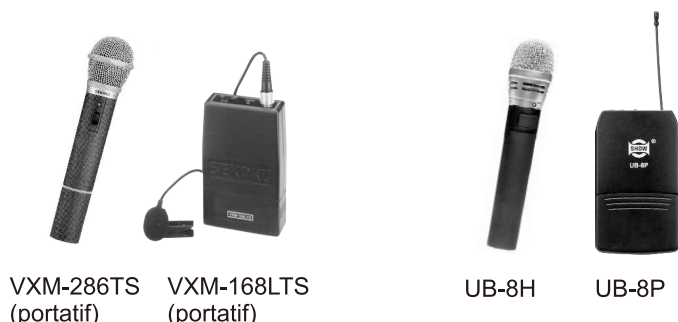


(Caution)

Do not mount the microphone stand.

■ Specifications

Model number	ER-68	ERV-68 (with wireless function)	ERU-68 (with wireless function)
Amp. output	30 W rated/45W Max. (at AUX input)		
Battery used	R20P or D batteries ´ 10 (total 15V)		
External power source	12V battery or 10 - 13.8V DC		
Battery life	About 20 hourse for voice About 2 hours for signal		
Aux input	- 10 dBV (300 mV) 30 kΩ		
Signal tone	Siren / whistle / fog		
Audible distance	About 2200m (quiet suburban area) About 800m (city area)		
Wireless receiving method	_____	Super-heterodyne method	
Receiving frequency	_____	Specified-Frequency (200 MHz band)	Specified-Frequency (800 MHz band)
Weight	About 3.3 kg (without battery)	About 3.4 kg (without battery)	
Dimensions	350 mm (dia.) ´ 505 (length)		
Colour	Horn, amplifler case: off-white		



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NF00105-1.1



ER-68/ERV-68/ERU/68

喊話器



ER-68

輸出功率:最大45W

無線喊話器



ERV-68, ERU-68

*請詳閱本使用說明書以正確使用而延長產品使用壽命。

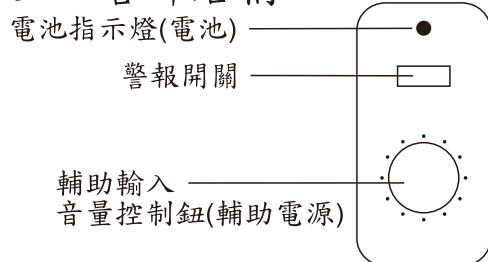
一、特色

- 1.本產品為附有350mm大型號角及以R20P或D型電池操作的30W額定輸出喊話器。
- 2.也可經由連接至外部電源插座以12V DC的電池來操作。
- 3.機器的電池指示燈可易於檢查卡式的耗電量。
- 4.卡式錄放機或卡式收音機的耳機輸出可接到輔助(AUX)輸入插座。
- 5.搭配可發話開關式麥克風。
- 6.有警笛/霧警報/哨音功能。
- 7.可用選購的安裝架安裝在選購的腳架上。
- 8.無線喊話器搭配選購的收音機調諧器使用，可用於遠方喊話(ERV-68/ERU-68)。

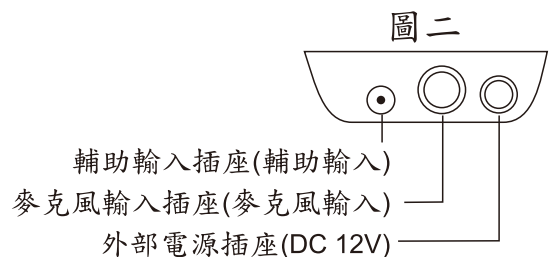
二、注意

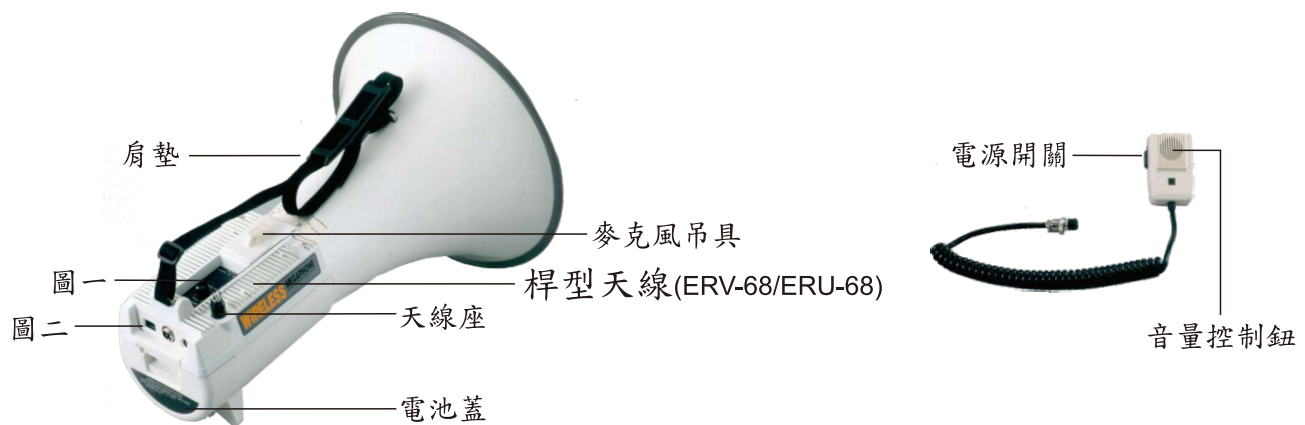
- 1.電源應為R20P或D型電池(10顆)或12V DC的汽車電池。
- 2.當使用大型的汽車電池時，該汽車應為12V(-)接地款式。如該車為24V DC或12V(+)接地款式，及不能使用該汽車電池。
- 3.當長時間不使用此喊話器時，請將電池取出。並避免將此喊話器暴露於雨中。
- 4.切勿使用苯或香蕉水來做清潔。
- 5.可選購的收音機調諧器模組為SEKAKU WTU-211系列(ERV-68)、WTU-410系列(ERU-68)。
- 6.所使用的無線麥克風應為SEKAKU產品(ERV-68/ERU-68)。
- 7.在夏天時請勿將此喊話器放在密閉的汽車中，或長時間在強烈日曬下的場所使用。

三、各部名稱

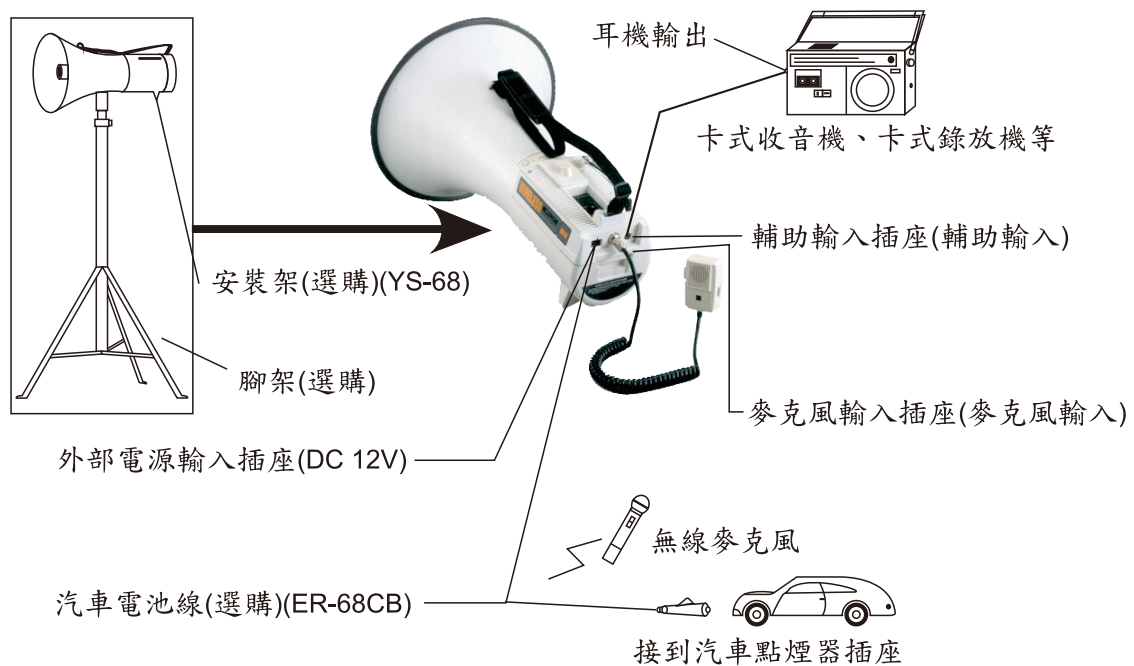


(機器配備有無線功能時，無線及輔助輸入音量都有音量控制)



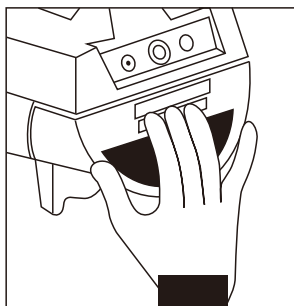


四、如何接線(範例:ERV-68)

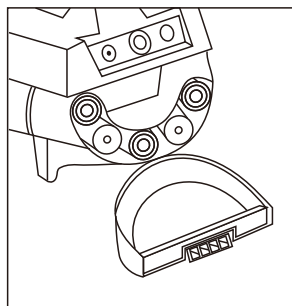


五、安裝電池

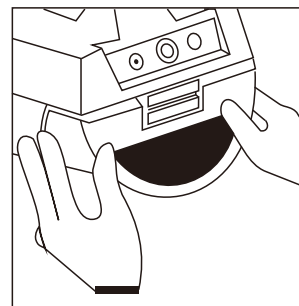
- 1.如圖一所示依蓋子上所標示方向推開電池蓋。
- 2.取出電池匣，並依電池匣上所標示極性放入10顆R20P或D型電池。確認極性正確。
(圖二)
- 3.將安裝好電池的電池匣放入喊話器，並如圖三所示按壓裝上電池蓋。



圖一



圖二



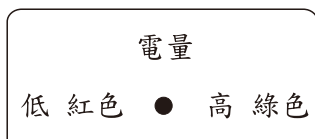
圖三

(小心)

- 避免將新舊電池混用。
- 當長時間如兩星期不使用喊話器時，取出電池以保喊話器不受電池漏液所引起的腐蝕侵害。

六、檢查電池消耗量

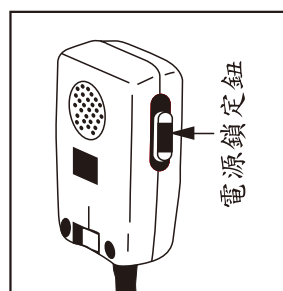
押下麥克風電源開關，或順時針旋轉輔助輸入音量控制鈕，檢查電池指示器的指針是否為綠色。



儘早更換電池，因過度耗弱的電池無法提供令人滿意的音量。

七、使用麥克風

- 1.將所附的電池(DM-68)穩妥地插入麥克風輸入插座。
 - 2.押下位於麥克風左側的電源鈕，並調整適當的音量，利用麥克風右側的音量控制鈕以避免回溯。
 - 3.將嘴巴盡量靠近麥克風，已足夠的音量講話。
- *可將麥克風的電源開關鎖定。



以圖中箭頭所示的方向滑動鎖定鈕，使麥克風經常保持在開的位置，以利長時間講話。

(小心)

- 使用後，確認將電源鎖定鈕向下滑動以切斷電源。

八、使用輔助輸入插座

- 1.連接一台卡式錄放機或卡式收音機的耳機輸出。
- 2.從關的位置順時針方向旋轉輔助輸入音量控制鈕(電源)，並調整至適當音量。

(小心)

- 使用後，將音量控制鈕以逆時針方向旋轉至關。

九、聲音警告

- 1.押下位於下操作部的警告開關(警示)，使得警告立即發聲。
- 2.鬆開該訊號鈕使警告停止發生。

十、使用無線麥克風(ERV-68/ERU-68)

- 1.以下述步驟安裝收音機調諧器(WTU-211或WTU-410系列)到內部。
 - (1)打開電池匣。
 - (2)拆開指示調諧器安裝的說明片。
 - (3)將調諧器模組差到內部連接器上。
- 2.順時針方向旋轉無線墊音量控制鈕(電源)--從關的位置順時針方向旋轉當作輔助輸入音量控制鈕。
- 3.將無線麥克風打開。
- 4.以音量控制鈕調整音量至適當水平。

(小心)

- 所使用的天線必須完全伸展。
- 所使用的無線麥克風必須為具備與接收器相同頻率的SEKAKU產品(200MHz或400MHz頻道)。



VXM-286TS(選購)

VXM-168LTS(選購)

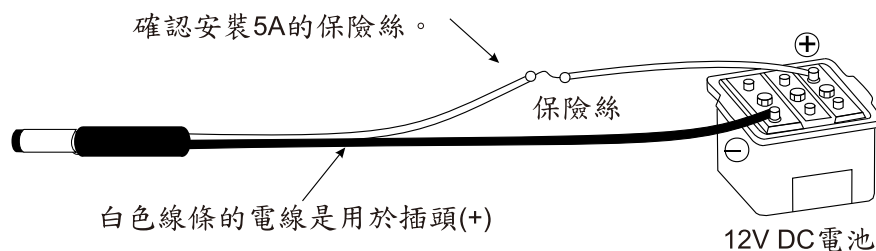
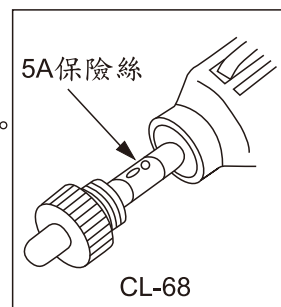
十一、使用外接電源

當從汽車電池供應電源時，將選配的汽車電池電線ER-68CB插到汽車點煙器插座中。該ER-68配有5A的保險絲，當保險絲燒毀時，排除原因後更換新的保險絲。

(小心)

- 避免在引擎發動的情況下使用，這會縮短此產品的壽命。
- 確認從12V DC(-)接地的汽車電池取得。
- 不能用24V DC(+)接地的汽車電池。錯誤使用會造成此產品故障。
- 汽車點煙器插座經常會被香煙灰堵塞而造成接觸失敗。
- 將插頭插入外部電源輸入端子使外部電源優先取代乾電池操作。
- 當電源從12V DC電池供應

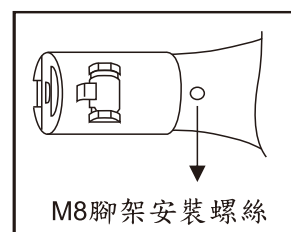
如圖示拆除點煙器插頭並將電線直接連接到電池。



十二、使用腳架

麥克風可與SEKAKU安裝托架ER-68YS安裝在SEKAKU腳架ER-68ST上。

(ER-68ST與ER-68YS均為選購產品。)



十三、規格

型號	ER-68	ERV-68 (μAZ)	ERU-68 (μAZ)
輸出功率	額定功率 30W/最大功率45W(輔助輸入)		
使用電池	10顆R20P或D型電池(總共15V)		
外部電源	12V電池或10~13.8V DC		
電池壽命	喊話擴音約20小時 訊號警示聲約2小時		
輔助輸入	-10dBV(300mV)30kΩ		
訊號類別	警笛/哨音/霧警號		
使用距離	約2000米(安靜郊區) 約800米(市區)		
無線電接收方式	—— ——	可外差式接收模組	
接收頻率	—— ——	特定頻率(200MHz)	特定頻率(400MHz)
重量	約3.3公斤 (不含電池)	約3.4公斤(不含電池)	
尺寸	300mm(直徑)/505mm(長度)		
顏色	白(號角/擴音器外殼)		