

**EUROSOUND®**  
PRO2

**UHF**

使用說明書 使用前請仔細閱讀本說明書  
INSTRUCTIONS FOR USE



## 專業無線麥克風及接收系統

非常感謝您購買我們的產品，為了保證產品性能的最佳發揮，使用前請認真閱讀使用說明書

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## 系統指標

頻率範圍 :640-690 MHz  
調制方式 :寬帶FM  
可調範圍 :50MHz  
頻道數目 :100(或200)  
頻道間隔 :250KHz  
頻率穩定度 :+0.005%內  
動態範圍 :100dB  
最大頻偏 :+45KHz  
音頻響應 :80Hz – 18KHz  
綜合信噪比 :>105dB  
綜合失真 :<0.5%  
工作溫度 :–10℃ – 40℃

## 接收機指標

接收機方式 :二次變頻超外差  
中頻頻率 :第一中頻 : 100MHz, 第二中頻 : 10.7MHz  
無綫界面 :BNC / 50奧姆  
靈敏度 :12dBuV(80Dbs / N)  
靈敏度調節範圍 :12–32dBuV  
雜散抑制 :>75dB  
最大輸出強度 :+10dBV

## 發射機指標

天綫程序 :領夾發射器采用1/4波長鞭狀天綫, 手持麥克風采用  
軸置螺旋天綫  
輸出功率 :高功率30mW, 低功率3mW  
雜散抑制 :–60dB  
供電 :兩節AA電池  
使用時間 :30mW時小于10個小時, 3mW時小于15小時

## 前言

感謝你選用本公產的UHF超高頻無線麥克風系統。

請在使用前，詳細閱讀本說明書，了解正確的操作方法，以達到最佳的使用效果。

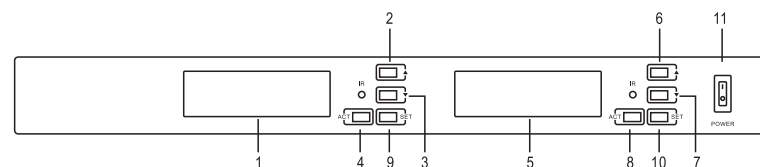
本無線系統全採用UHF超高頻段 ( 640-690 MHz )，並採用DPLL數字鎖相環多頻道選擇，輕鬆避開各類干擾。

手持無線麥克風和領夾式發射器，均具有高低功率轉換功能，由兩節AA電池供電，採用高碱性電池可使用較長時間 (高功率10小時，低功率15小時)，若使用充電電池，使用時間會有所下降。

在大功率狀態下，在同一空間，同一頻段同時使用多達8祇發射器也不會產生相互干擾，若頻率設置不當，將會引起相互干擾。在小功率下工作，如Karaoke房、學校教室，則可多達200套話筒同時使用而不會互相干擾。

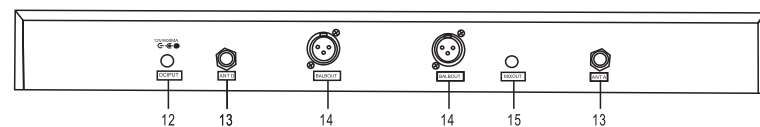
## 接收機部件名稱及功能

### A、接收機正面板






- (1)/(5) LCD 顯示屏：顯示內容有場強RF，電平AF及頻道和頻率。
- (2)/(6) 頻道變換/音量/功率調整按鍵：增加
- (3)/(7) 頻道變換/音量/功率調整按鍵：遞減
- (4)/(8) 紅外對頻頻指示燈
- (9)/(10) 確認/菜單按鍵
- (11) 電源按鈕：長按電源開關，顯示屏全顯，表示開機正常

### B、接收機背面板

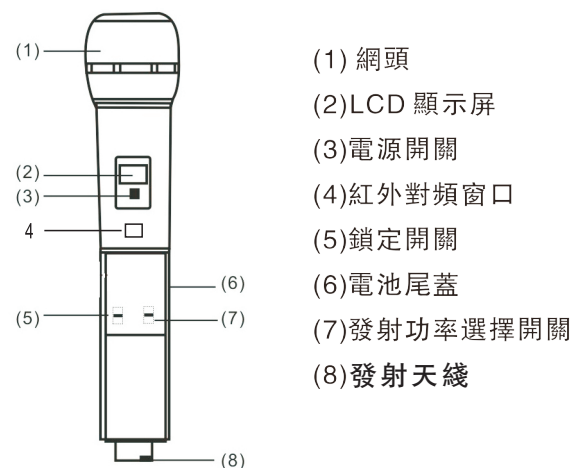


- (12) 直流電源輸入
- (13) A/B天綫
- (14) 平衡輸出
- (15) 混合輸出

## 接收機操作方法：


- 1 開機前，發射器暫勿打開，先將接收機及混音器的音量轉至最小，然後打開接收機電源。
- 2 打開接收機電源後，接收機顯示屏會顯示上次關機前的頻率或通道數。如未打開發射機前發現干擾信號，通過“▼”、“▲”鍵改變頻率或通道數，按“SET”鍵，確認（如未確認選擇新的頻率或通道無效，顯示屏LCD字會跳閃）。
- 3 打開發射機電源後，將發射機的紅外對頻窗口 $\text{IR}$ 對準距接收機面板 $\text{IR}$  0.5米之內，按一下接收機面板上的“SET”鍵，等待顯示屏LCD上會顯示 ，此時接收機將頻率信息通過紅外線發射到發射機上。一旦在接收機的LCD上出現射頻信號強度指示 ，表示發射機已對好頻率并確認發射機與接收機同頻率工作，此功能稱為紅外線自動頻率目標鎖定技術。當一次對頻失敗後，LCD會顯示  紅外線發射結束，請重復以上步驟至到對頻成功。
4. 若要改變接收機的音量/功率請如下操作：  
音量調節方法：按“SET”當LCD顯示屏顯示VOL數值，輕觸▲鍵音量增加，輕觸▼鍵音量減小，輕觸“SET”確定音量數值。  
接收機功率調節方法：輕觸“SET”兩下，當顯示LCD屏顯示300M數值輕觸▲鍵功率增加，輕觸▼鍵功率減小，輕觸“SET”確定功率數值。  
長按“SET”鍵主機頁面鎖定，反之解鎖。

## 調諧無線麥克風手持式發射各部件名稱



## 調諧無線麥克風手持式發射機使用方法




旋開電池尾管後會暴露電池倉，按標示的正負極安裝兩節可充電AA電池（如不是充電電池不可以直接使用充電器以免引起危害），電池背面設有LOCK開關，鎖上時不可更改麥克風的信道數。



按下電源開關後，顯示屏LCD會顯示上次關閉前的頻率或信道數并顯示BAT  電池電量。如未滿格建議更換電池或插入充電器。

HI/LO開關可以設置手持麥克風的射頻高/低發射功率。在不需要遠離使用的狀態下建議調節在L0，可以延長電池使用時間。










## 紅外線對頻的操作:

輕觸手持咪開關正常工作，打開發射機的電源，將發射機的紅外線對頻窗口  對準距接收機面板  0.5米之內，單擊接收機面板上的“SET”鍵，等待顯示屏LCD上會顯示 ，此時接收機將頻率信息通過紅外線發射到發射機上。

一旦在接收機的LCD上出現射頻信號強度指示  表明發射機已對好頻率并確認發射機與接收機同頻率工作，此功能稱為紅外線自動頻率目標鎖定技術。當一次對頻失敗後，LCD會顯示  紅外線發射結束，請重復以上步驟至到對頻成功。其餘操作與調頻接收機操作相同。

## 挂腰式麥克風

- 1 打開電池蓋，按正確方向安裝好兩節1.5V電池，再把電池蓋裝好。
- 2 按下電源開關後，顯示屏LCD會顯示上次關閉前的頻率或信道數并顯示BAT      電池電量。如未滿格建議更換電池或插入充電器。
- 3 如發現發射器頻率或信道數與接收機不一致，再打開電池倉門，將紅外線對頻接收窗口部位  對準紅外線對頻接收機  發射管0.5m之內去完成對頻，用戶無需再調整其它按鍵。

## 使用注意事項:

- 1 為避免火災，電擊危險，請勿打開機箱裏面含有高功率配件。調節或維修等請送到我們的經銷商去處理。
- 2 祇能使用本機提供的電源適配器，并且確認接入電源電壓是否與適配器要求一致，若使用其它供貨商提供的電源適配器，可能會損壞本機。
- 3 請勿將本機放在高溫、潮濕、灰塵多的地點及碰到液體物質，以免造成故障。
- 4 請使用本機發射器的專用鹼性電池或充電電池，裝入電池時，不可將電池正負極顛倒或反向插入，長時間不使用本機時，請將電池從發射器中取出。
- 5 若非短時間離開正在工作的本機，請關掉本機，將電源適配器拔下，決不可任由機器長開。

## 簡單故障處理:

- 1 打開接收機電源，LCD屏沒有點亮  
\*檢查電源線是否插好，供電插座是否有電。
- 2 如向麥克風講話電平指示燈亮，但無聲音輸出  
\*檢查電位元器音量是否調到最小，音頻連接線是否連接好。
- 3 使用距離變短，信號不穩定  
\*天線沒有拉出，麥克風欠壓(請更換電池)，接收機位置不對，周圍有強烈的電磁場干擾。  
\*發射機設置在小功率。
- 4 音質變差  
\*麥克風電池欠壓(請更換電池)，周圍有同頻率之高頻信號，切勿將兩臺同頻率的機器同時同地使用。

若發生重大故障時請接洽經銷商或本公司，切勿自行拆開修理

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Technical Index

Frequency Range: 640-690 MHz

Modulation : Broadband FM

Adjustable Range: 50MHz

Number of Channels: 100 (or 200)

Channel: Spacing: 250KHz

Frequency Stability: +0.005% (in this range)

Dynamic Range: 100dB

Maximum Frequency Deviation: +45KHz

AR Response: 80Hz - 18KHz

PSACR: >105dB

Comprehensive Distortion: <0.5%

Operating Temperature: -10℃ - 40℃

Receiver Index

Receiver: Secondary Variable Amount Super heterodyne

Intermediate Frequency: First Intermediate Frequency: 100MHz,  
Second Intermediate Frequency: 10.7MHz

Wireless Interface: BNC / 50 Ohm

Sensitivity: 12dBUV(80Dbs / N)

Sensitivity Adjusting Range: 12 - 32dBuV

Spurious Suppression: >75dB

Maximum Output Intensity: +10dBV

Transmitter Index

Antenna Program: Body Pack Transmitter adoption of 1/4Wavelength  
Pounder  
Handheld Microphone adoption of shaft  
helical antenna

Output Power: High Power 30mW, Low Power 3mW

Spurious Suppression: -60dB

Power Supply: 2 x AA Battery

Service Time: 30mW < 10hours, 3mW < 15 Hours

## Foreword

Thanks for using our production of UHF wireless microphone system.

In order to ensure the best effect of the result, please read carefully and obey the correct method of operation.

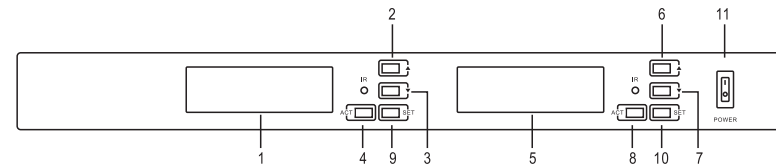
Our system is using UHF ( 640-690 MHz ) and DPLL Multi-channel frequency synthetic technique to avoid all kinds of interference.

The Handheld wireless microphone and body pack transmitter both have the high and low power conversion fusion which uses two AA batteries to provide electricity. High alkaline battery can be used for a long period (high power for 10 hours, low power for 15 hours). However, if you use the rechargeable batteries, the service time will be declined.

In high power condition of one space, more than 12 transmitters can be used in one frequency band at the same time and will not cause any mutual interference, but improper frequency settings may cause mutual interference. In the mini-watt station, such as Karaoke Room, Classroom, more than 200 transmitters being used at the same time won't cause mutual interference.

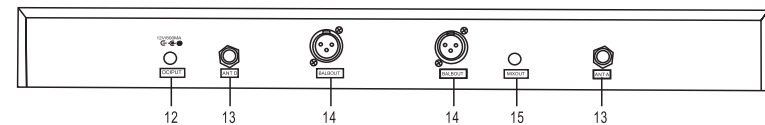
## Receiver's Part name and Function

### A.Receiver's front Board.








- (1)/(5) LCD : Display content have field strength RF, electrical level AF, channel, frequency
- (2)/(6) Channel change/volume/power adjustment button: increase
- (3)/(7) Channel change/volume/power adjustment button: decrease decreasing.
- (4)/(8) Infrared automatic channel targeting light
- ( 9 ) /(10) Confirm/menu button
- (11) Power button

### B.Receiver's back Board

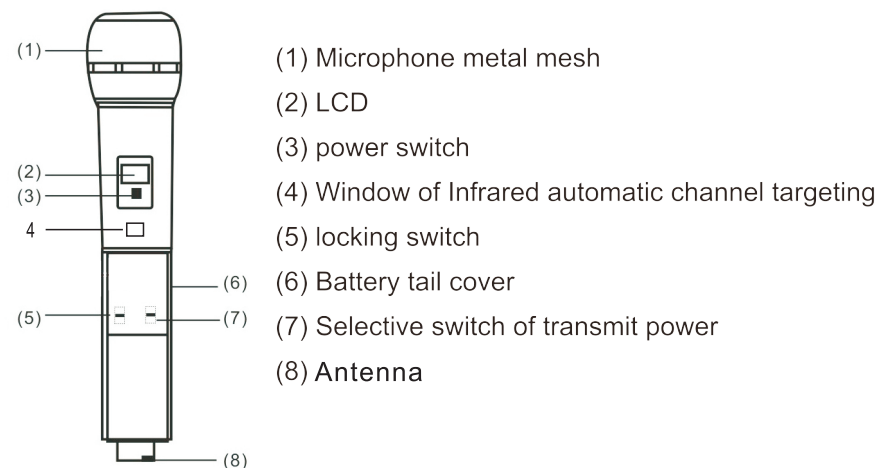


- ( 12 )Dc power input
- (13) A/B Antenna
- (14) Balanced output
- (15) Mixed output

## Operation of Receiver

1. Before start, don't turn on the transmitter. Turn the volume of the receiver and mixer to minimum, then turn on the receiver power.
2. After turn on the receiver's power, the receiver displays the memory of FREQU or CHANNL of last time. If you find the interfering signal before turn on the transmitter, press "▼" "▲" to change the frequency or number of channels, and press "SET" Key to confirm
3. After turn on the transmitter, aiming the window of infrared automatic channel targeting  at receiver panel  within 0.5meter, press "SET" on the receiver panel and wait for LCD display . After that, the receiver will transmit the frequency information to the transmitter by infrared. Once radio frequency signal strength indicator appears on the LCD of receiver,  this indicates that receiver has been automatic targeted the channel. It confirms that transmitter and receiver work together in the same frequency. This function is called infrared automatic frequency target technology. However, if it fails to target infrared automatically, "Infrared Emission End" will appear on the screen . Therefore, please repeat the previous steps until targeting success.
4. To change the volume/power of the receiver, do the following:  
 Volume adjustment method: Press "SET" when the LCD display displays VOL value, the volume of the tap button increases, and the volume of the tap button decreases.  
 Power control method of the receiver: light touch "SET" twice.  
 When the LCD display shows that the 300M numeric light touch ▲ key power increases and the light touch key power decreases, the light touch "SET" determines the power value.  
 Long press the "SET" key to lock the host page and unlock it otherwise.

## Components Name of Tuning Wireless Handheld Transmitter





## Usage of Tuning Wireless Handheld Transmitter



Unscrew the tail tube of battery and expose the battery compartment, install two AA batteries according to the anode and cathode. (Preventing potential harm, do not use the charger with non-rechargeable batteries.) There is a "LOCK" switch on the back side of battery. Channel cannot be adjusted after locked.


After pressing the power switch, LCD displays the latest memory of FREQU or CHANNL, and battery power "BAT □□□□□" We recommend you to replace the battery or insert it into the charger if it is not fully charged.

HI/LO switch can set the radio frequency transmit power Under a short distance, it is better to use LO file to extend the battery time.


## Operation of infrared Automatic Channel Targeting

The light tentacle switch works normally power after unscrewing the transmitter's tail cover in counterclockwise direction. Aiming the window of infrared automatic channel targeting  at receiver panel  within 0.5m, press

“SET” on the receiver panel and wait for LCD display . After that, the receiver will transmit the frequency information to the transmitter by infrared. Once radio frequency signal strength indicator appears on the LCD of receiver,  this indicates that receiver has been automatic targeted the channel. It confirms that transmitter and receiver work together in the same frequency. This function is called infrared automatic frequency target technology. However, if it fails to target infrared automatically, “Infrared Emission End” will appear on the screen

. Therefore, please repeat the previous steps until targeting success. The rest of the operation is the same as FM receiver operating.

## Belt Pack Microphone

1. Open the battery cover and install two 1.5V batteries according to the right direction, then cover it up.
2. Turn on the transmitter's power. The LCD screen will display the latest memory of FREQU or CHANL, and the battery power “BAT  ”. We recommend you to replace the battery or insert it into the charger if it is not fully charged.
3. If the transmitter frequency or channel is inconsistent with the receiver, open the battery compartment, aiming the infrared receive window to the receiver transmitting tube to finish the frequency pairing, the user do not need to adjust any other buttons.

## Precautions for Use

1. In order to prevent fire or electrical disaster, please do not open the receiver case. Any maintenance, please send back the product to the dealer.
2. Only the original power adapter can be used on the product. Also, please make sure that voltage from the input source match with the requirement of the adapter. It may cause malfunction if 3rd party's adapter is used on this product.
3. Equipment should keep away from direct sunlight and moisture.
4. Please use the batteries in the receiver's package. Please aware the direction of the batteries during the installation. Please remove the batteries if the product is not used for a long time. Also, turn off the receiver after using it.

## Simple troubleshooting

1. Turn on the receiver's power, but LCD shows nothing  
\*Check the powers cord if it is plugged. Check the power of the socket.
2. Microphone no sound, but the indicator light on  
\*Check if the positioner's volume is set to minimum, if the audio cables are connected properly.
3. The signal becomes unstable when the distance is shortened.  
\*Antenna is not pulled out yet / microphone is under voltage (Please replace the battery) / Change the receiver location / Strong interference surround the receiver.  
\*Receiver is set to LO
4. Quality variation  
\*The microphone is under voltage (Please change the battery) / there is high frequency signal surrounding the receiver. / Do not use two receivers under the same frequency.

If a major failure occurs, please contact us or dealer.  
We are dedicated to serve you.