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# 2-Channel UHF Wireless Microphone System

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Model Nos:

171.325

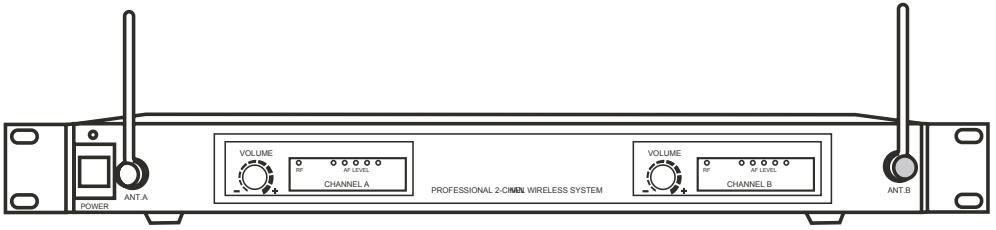
863.3 + 864.3MHz

171.326

863.8 + 864.8MHz

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# Operation Manual



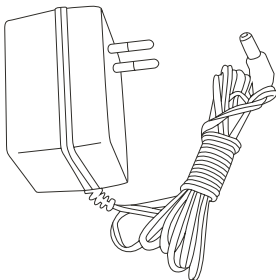
**2-Channel Receiver**



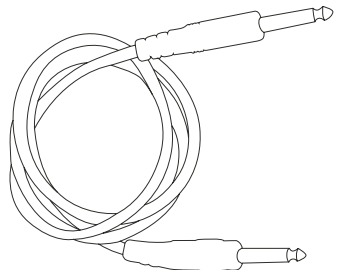
**Handheld transmitter**



**Antenna**



**AC adaptor**



**Audio cable**



## 2-CHANNEL UHF WIRELESS MICROPHONE SYSTEM

Model Nos:

171.325	863.3 + 864.3MHz
171.326	863.8 + 864.8MHz

*Thank you for buying this Skytronic UHF Wireless System. Please read through these operation instructions so you will know how to operate your model properly. After you read it, put it away in a safe place for future reference.*

### PRECAUTIONS

- Avoid exposure of the system to rain or moisture.
- No user-serviceable parts inside the system. Refer all servicing to a qualified technician only.
- Handle the wireless system carefully, dropping or other shocks may cause failure.
- Avoid using the system where it may be subjected to heat, such as direct sunlight, near radiators or other heat sources.
- Should any liquid be spilt on the system, stop using it immediately. It may be possible to dry the system, but you should have it checked by a qualified technician before using it again.
- Take care with the main power adapter and lead. If damaged in any way, do not use the system and refer to a qualified technician for repair.
- Only use the system with the supplied components. Do not attempt to use with any other main power supply adapter .
- If the is not going to be used for a while, remove the battery to prevent leakage. In the event of electrolyte leakage inside the battery compartment, carefully remove the leakage with a damp cloth. Take care not to get battery electrolyte in contact with your skin, however if it does, wash your hands under a running tap. If electrolyte comes into contact with your eyes, seek medical advice immediately.
- Only replace the battery with the same or an equivalent type.
- Please dispose of old batteries in an environmentally friendly manner in accordance with the relevant legislation.
- Do not use any solvents to clean any part of the wireless system.

# SPECIFICATIONS

## A. Overall system

Oscillation mode: .....Quartz controlled  
Carrier Frequency Range: ..... UHF690-960MHz  
Stability: ..... 0.005%  
Max Deviation: ..... 56KHz with level limiting  
Dynamic Range: ..... >110dB  
S/N Ratio: ..... >100dB  
T.H.D: ..... <0.5dB  
Squelch: ..... "Pilotone & Noise lock" dual squelch circuit  
Frequency Response: ..... 60Hz~18KHz

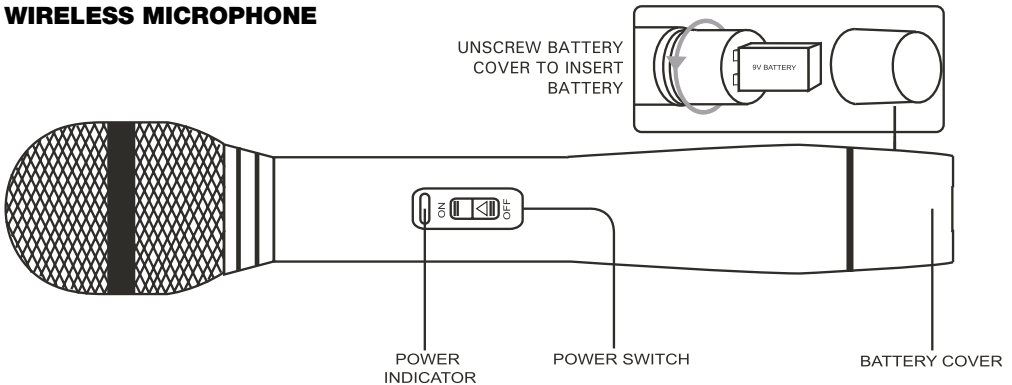
## B. Receiver

Sensitivity: 6dB V at S/N>70dB  
Image Rejection: ..... >60dB  
Stability: ..... >80dB  
Audio output: ..... -12db/600ohms unbalanced and balanced  
Power supply: ..... 12VDC/0.5A  
Dimensions (mm):..... 420 x 208 x 45mm

## C. Transmitter

Mic capsule: .....Dynamic microphone (Handheld mic)  
Antenna: .....Built-in housing (Handheld transmitter) External (Belt pack transmitter)  
RF Output: ..... <10mW  
Spurious: ..... <-40dB  
Battery: .....1 x 9V (6F22, PP3)

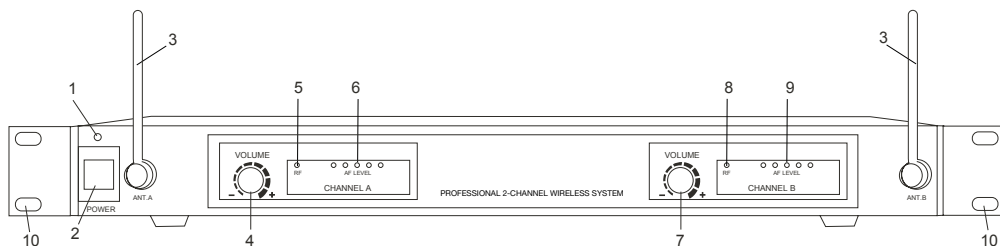
## WIRELESS MICROPHONE



## Operation

Unscrew the battery cover at the end of microphone, put a 9V battery into compartment observing correct polarity, then close the cover.

Move "ON/OFF" switch to "ON" position, "PWR" indicator will light for one second and then go off. This indicates correct operation. If it doesn't come on, please check the voltage of battery or polarity. If the "PWR" indicator lights red, this indicates the battery power is low. Please replace with a fresh battery.

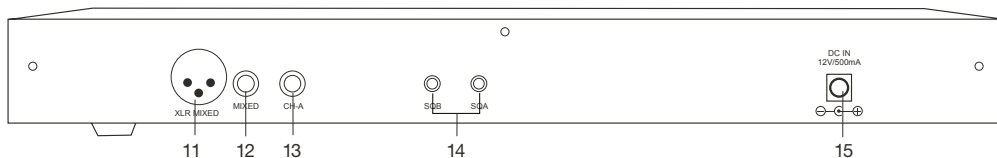


- |                         |                         |
|-------------------------|-------------------------|
| 1. Power Light          | 6. CH-A AF Level        |
| 2. Power Switch         | 7. CH-B Volume Control  |
| 3. Antenna              | 8. CH-B RF Signal Light |
| 4. CH-A Volume Control  | 9. CH-B AF Level        |
| 5. CH-A RF Signal Light | 10. Rack Mounting       |

## RECEIVER FRONT PANEL

### Operation

Fix the two antennas correctly. Switch on the power of receiver, the red indicator of power will come on to show it's working normally. Switch on the power of transmitter, the red indicator RF/channelA, RF/channelB, will come on to show the signal is strong or not when it's working. AF LEVEL green indicators are blinking to show the audio level is high or low in using this wireless microphone system. Adjust the volume of the receiver/transmitter/amplifier according to request. Please switch off the receiver/transmitter/amplifier when this wireless microphone system is not being used.



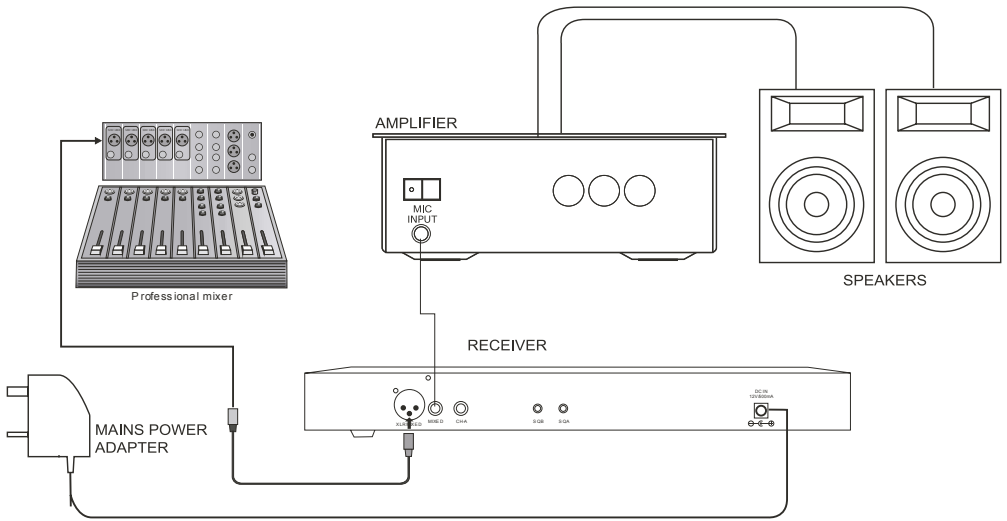
11. Balanced mixed output jack
12. Unbalanced mixed output jack
13. CH-A unbalanced output jack
14. Squelch adjuster
15. DC power in

## RECEIVER REAR PANEL

### SQUELCH

The squelch control on the rear of the receiver is preset well at the factory, if you must use the system in an area with considerable RF interference and there is some noises from the receiver when your transmitter is off, you can adjust the squelch control, so the system will receive the signal from your transmitter only but squelch or eliminate the unwanted background RF noise. This adjustment can cause reduction in useable range of the wireless transmitter, so set the control to the lowest position that reliably mutes the unwanted RF signals.

Note that switching the microphone on and off can cause interference that will be heard if the microphone volume level of the amplifier system is still set high.



## SYSTEM INSTALLATION

Using the supplied screened jack-to-jack lead, connect from the MIXED jack socket to the "MIC IN" socket on amplifier. Another way, using optional lead of balanced output, connect from "XLR MIXED" socket on receiver to professional mixer. Plug the mains power adaptor from "DC 12V" jack to a suitable mains power socket.

### IMPORTANT

Install main unit 1.5m higher than ground level and 1.5m distance from wall

## TROUBLE SHOOTING

The on air indicator does not light up	The wireless microphone is not turned on.	Turn on the wireless microphone
	The microphone receiver is not turned on.	Turn on the microphone receiver and the connected audio equipment
	The microphone receiver is not connected properly.	Turn on the microphone receiver and the connected audio equipment.
No sound	The battery in the wireless microphone is weak.	Replace the battery
	The microphone receiver is not turned on.	Turn on the microphone receiver and the connected audio equipment.
	The connected audio equipment is not turned on.	Turn on the audio equipment.
	The speakers/headphones. are not connected to the audio equipment.	Connect the speakers/headphones
The sound is distorted	The battery in the wireless microphone is weak.	Replace the battery.
	The AUDIO OUT on the receiver is not set correctly.	Adjust the volume cotrols.
A howling noise heard from the speakers.	The distance between the wireless microphone and speakers are too close.	Move the wireless microphone away from the speakers or change the direction of the microphone.
	The battery in the wireless microphone is weak	Replace the battery.

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