

## Y – MIC

# Wireless Microphone System



Transmitter (YM-09TX)



Receiver (YM-09RX)

## What is Y-MIC ?

The users of the wireless sound system require a strong wireless microphone which guarantees the reliability and stability. Y-Mic is a 2.4GHz wireless microphone system which provides a variety of features such as the excellent voice clarity, the appearance design considering a style convenient for the use of the various voice output capabilities. Y-Mic is a 2.4GHz wireless microphone system engrafted by the fast and easy installable and interference-free wireless technology which always provides the reliable performance. Y-Mic is used in the schools, churches, exhibitions, conferences, and seminar rooms, etc



### Green & Health

Modnnet은 깨끗하고 편리한 제품을 만듭니다.

한 개의 무선마이크를 여러분들이 돌려가면서 사용하는 지금의 상황을 깨끗하고 청결한 분위기로 바꾸어 보자는 조그마한 바람과 과감한 아이디어로 제품을 탄생시켰습니다. 그리고 어디에서나 사용이 가능하도록 편리성을 고려하여 디자인 하였습니다.

# Greetings

We deeply thank you for having purchased the product of **MODNNET CO., LTD.**

Our Modnnet Wireless Microphone realized a stable sound by adopting the high Pro microphone with high cost–performance ratio and noise removal circuit.

And it applied the high sensitivity filter circuit to prevent interruption or interference, and therefore the product is suitable for a wide range of applications such as broadcasting, lectures, seminars, events, exhibitions, religious events, etc.

For the sufficient performance of the product, read this manual carefully before use to understand fully about the features, performance, and operation and to use it correctly

## **CE notice to users:**

Hereby, Modnnet Co., Ltd. declares that this models is in compliance with the essential requirements and other relevant provisions of directive 1999/5/EC.

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# Safety Precautions for Use

To prevent the failure or risk of the product and the damage of the property through the correct use of the product

1. When you supply the power to this equipment, connect the given 12V 1.5A adapter. Using other equipment to supply power to this equipment can cause the critical product damage.
2. User should not repair this equipment. Do not open the cover, or do not disassemble the internal parts. Only skilled service personnel of **MODNNET CO., LTD.** or an employee of the sales representative who has the knowledge about the electrical fire and electrical shock hazard can repair the equipment .
3. Proper ventilation condition  
Keep the proper ventilation condition to prevent product overheating .
4. Do not operate the product when its failure is suspected. .  
When a problem occurs on this product, inquire the service center or the sales representative of **MODNNET CO., LTD.** for service
5. The influx of materials or liquids  
Do not use the product near water and keep it away from the moist air, water and dust.  
Never insert any stuff into the equipment  
(It may short circuit of the parts and may cause fire or electric shock .)  
Not any kind of liquid should be poured over the equipment .
6. Places to avoid  
The equipment typically work at **-20 °C ~ +55 °C.**  
However, the following places should be avoided in order to maintain the best performance of the product..
  - ① Where the vibration is severe and humidity is high
  - ② Where the equipment is exposed to the direct sunlight or the active gas
  - ③ Do not use this equipment where gas exists or where there are phosphide or explosives nearby
  - ④ If you install the equipment at either high or unstable place, it can drop and cause the human injury and its damage .
7. Because this wireless equipment can have the potential interference of the electric wave, any services related to the safety of life can not be provided .

# 01 Product Overview & Specifications

The outline of product

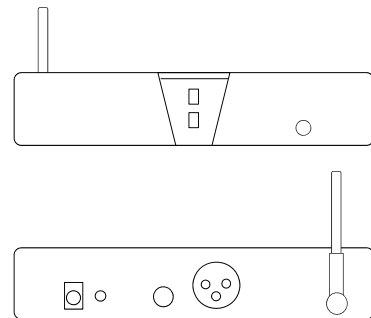
Y-Mic is a 2.4GHz wireless microphone system engrafted by the fast and easy installable and interference-free wireless technology which always provides the reliable performance .

## Product Specifications



Wireless receiver  
(YM-09RX)

Use frequency	2402MHz ~ 2480MHz
Audio frequency range	20 ~ 20,000Hz
THD+N	0.04%
S/N	-92dB
Receive sensibility	TYP -83dBm @ *FER<0.007%
Power	12V, DC
Operating temperature	-20 °C ~ +50 °C
Size	228(W) X 44(H) X 128(D)
Weight	1.1Kg

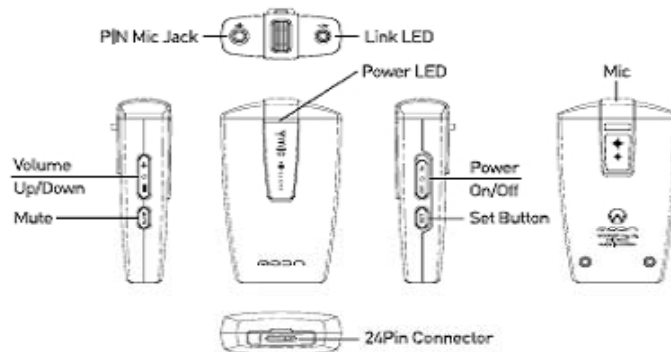


- LSEC™ (LED Status Extension Connector )
- Provide variable output ports.
- Solid plastic and steel structure
- High quality sound output



Wireless transmitter  
(handheld/pin type. YM-09TX)

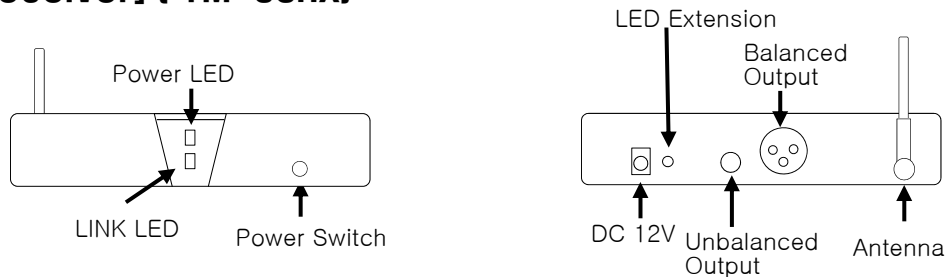
Use frequency	2402MHz ~ 2480MHz
Transducer	Condenser
Audio Frequency range	0.04%
RF output	10.78dBm ± 3dBm
Operating time	5Hours
Power	3.7V, 900mA
Operating temperature	-20 °C ~ +50 °C
Size	45(W) X 86(H) X 20(D)
Weight	0.5Kg



- Internal high sensitivity microphone
- Provide external pin-type microphone
- Pairing mode by button
- Whenever can charge by cell-phone charger (Standard 24pin)
- Display Charging and capacity the battery by LED
- Display link condition by LED

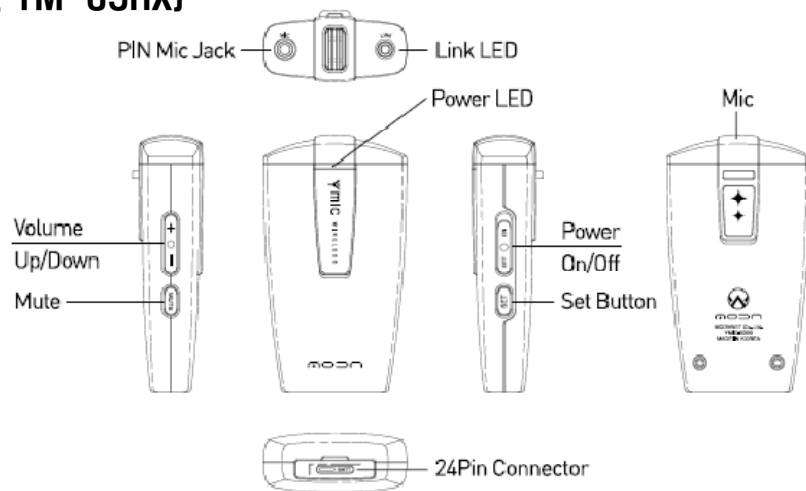
## 02 Names and functions of each part

### [ Receiver ] ( YM-09RX )



- ① Power LED : checking the receiver's operation status
- ② LINK LED : checking the transmitter's connection status
- ③ Power Switch or Power Push Button provided
- ④ DC 12V : input power
- ⑤ LED Extension : LSEC™ (LED Status Extension Connector )
- ⑥ Unbalanced Output : Balance & Unbalance output connection
- ⑦ Balanced Output : Balanced XLR Jack connection socket
- ⑧ Antenna

### [ Transmitter ] ( YM-09RX )



- ① Pin Mic Jack : pin typed jack
- ② LINK LED : displaying the status of the connection between transmitter and receiver
- ③ Power LED : displaying the status of the product's operation and battery
- ④ 24 Pin Connector : USB fittings of the cellular phone charger type
- ⑤ Volume Up/Down : volume up/down control
- ⑥ Mute : mute function
- ⑦ Set Button : start Paring.
- ⑧ Mic : high-performance built-in condenser microphone

## 03 How to set the functions

### 1. Paring mode

- ▶ Press the SET button once and it finds the receiver.

The connect is linked and the LED of the transmitter and the receiver becomes ON state. If the LED of transmitter and the receiver is not ON state, press the SET button once again.

### 2. Volume Control

- ▶ Press Volume  $\triangle$  (Increase) /  $\nabla$  (decrease) button. Select the desired volume by pressing the button .

You can select the volume control by 6-steps and the displayed value represents the volume by percentage (%)

The value set : 00 / 20 / 40 / 60 / 80 / 100

### 3. Power ON/OFF

- ▶ Push up and down the Power On/Off button .

When it is ON, the power is working. And when it is OFF, the power is shut down.

### 4. How to use the charge cradle

- ▶ You can charge the wireless microphone transmitter by using 24Pin USB Connector and a regular cellular phone charger. Usually, charging is completed within 1-2 hours and its completion can be confirmed through the color of LED on the front part of the wireless microphone transmitter.

LED state : proper state (green) / middle state (yellow) / shortage state (red)

※ Please note that the excessive charging or impact may cause the damage.

## 04 How to operate

### 1 . AC power connection

- ▶ Connect the specified AC power cord to the AC input terminal of the receiver .

### 2. DC power connection

- ▶ Connect the specified DC power cord to the DC input terminal of the receiver .

### 3. AUDIO output connection

- ▶ Connect the audio input and output properly to the audio system, mixer and amplifier with the audio cable .

### 4. Turn on the receiver (Transmitter)

- ▶ Turn on the receiver (Transmitter) by pressing the power button .  
※ Note: Before turning on the transmitter, set the volume of the receiver, MIXER, AMP a minimum.

### 5. Synchronization between the transmitter and receiver

- ▶ However, the synchronization between the transmitter and receiver is linked by giving a special ID to the transmitter, and therefore you should press SET button to change or select it to use

### [ Note ]

- ▶ Please note the following for better use of the performance of this product .

1. When you use the wireless microphone close to the mouth, set to lower the GAIN and on the reverse case, set to raise the GAIN.
2. Please turn off the power of the battery of the wireless microphone when you do not use it for a long time .

## 05 Displaying the Certification

The entity who received the certification : **Modnnet Co., Ltd.**

The name of equipment (model) :

The wireless device for wireless data communication system (YM-09TX)

Date of production : 20 . . . .

Manufacturer/Manufacturer's country : **MODNNET CO., LTD.** / Korea

The entity who received the certification : **MODNNET CO., LTD.**

The name of equipment (model) :

The wireless device for wireless data communication system (YM-09RX)

Date of production : 20 . . . .

Manufacturer/Manufacturer's country : **MODNNET CO., LTD.** / Korea

※ This wireless equipment can have the radio interference during its operation

No service for the safety of life is provided with this equipment.

### FCC (Federal Communications Commission)

WARNING: This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

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

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

### Information to User

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 typical 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.

### CE notice to users:

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# Product Warranty

Modnnet Co., Ltd. guarantees this product with the contents listed below.

Product	Y-Mic	Product No.	
Data of purchase		Warranty Period	1 year
Purchaser	Name		
	Tel No.		
	Address		

## Warranty Repair Information

The product is guaranteed as follows .

1. This product is manufactured through the strict quality control .

If a failure occurs due to the manufacturing defects, such failure will be repaired as free of charge at a Modnnet A/S center within 1 year from the date of purchase .

2. If a failure occurs after the end of warranty period, the repair for such failure should be paid.

3. As for the following cases, the repair should be paid even during the warranty period .

- 1) Failure due to the user's mishandling
- 2) Failure in moving and transportation after installation of the product
- 3) In case that the product is damaged or its content is altered because others than the staffs of Modnnet A/S centers.
- 4) Failure or damage caused by the natural disasters such as fire and flood.

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If any due clauses are omitted in each column of this warranty or the warranty is lost free repair service is not provided. Therefore, please check it with the place where you .

※ purchase the product and keep the warranty safely .



[www.modnnet.co.kr](http://www.modnnet.co.kr)

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