

# **VLP2-2.4GHz**

## **User Manual**



### **CERTIFICATIONS**

THIS DEVICE COMPLIES WITH FCC AND IC RULES

OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- (1) THIS DEVICE MAY NOT CAUSE INTERFERENCE, AND
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION OF THE DEVICE.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

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## 1. Safety Instruction

This instruction is intended to protect user's safety and prevent any damages to the product. Please read this instruction before use and follow the instruction carefully.

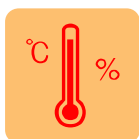


**Warning** Failure to comply may cause serious injuries or death



**Do not dry this product with electronic heat source such as radiator, microwave, or stove when it gets wet.**

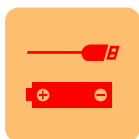
It may lead to explosion, change of shape, or out of order of the product, and the battery or product changes its color. In this case, product may not eligible for free services.



**Do not use this product in hot and humid conditions out of the operational range specified. (Recommended operational temperature: -10℃ ~ 60℃ humidity: 20~85%RH )**

When the product is used out of recommended operational environment, it may lead to explosion or out of order of the product.

Please do not expose the battery under the direct sunlight in a closed area such as a car. It may explode, change the shape of the product, or become out of order.



**When battery replacement is required, be sure that the parts replaced are the ones specified by the manufacturer, and not used for other purposes.**

When the battery of different brand is used, durability of the product may be reduced, or even may possibly lead to explosion. The product will not qualify for free service under such case. It is strongly recommended to use the battery referred by the manufacturer.



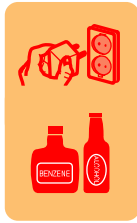
**Keep the product out of children's reach.**

It is harmful for the health of children when they play with damaged battery or put it into the mouth. They may be exposed to harmful chemical solutions, electromagnetic wave, and/or electric shock.



**Do not disassemble, modify, or strike the product.**

It may cause the fire.



**Press the power cord firmly when you plug it in to the outlet, and use the cord head when you unplug it in order to prevent damage to the cord.**

When the contact is not tight or a part of the cord is cut, it could lead to fire and/or heat over-generation.

Please do not break the power cord and do not use them when the power outlet is loose. When the product is wet and/or your hands are wet, do not touch the outlet and the power cord.

**Do not use liquid or aerosol cleaner or chemical solutions such as alcohol, benzene, or thinner to clean the product.**

It could cause fire and damage to the product. Please use dampened soft cloth for cleaning the product.



**Caution**

**Failure to comply may lead to risk of injuries or loss of assets.**



Do not place magnetic materials such as credit card, passbook, or transit passes near the product. You may lose the information contained on them. Data stored in the product may be damaged or lost.



When you do not use the product, disconnect the power source from the product and place on safe surface. The product will be damaged if the product is stricken, beaten, or shaken hard.



Do not paint the product.

It may damage the screen and be a cause of malfunction. In case the debris from the paint causes allergic reaction, stop using the product and see the doctor.

## 2. Before You Use

Cautions	Details
<b>Do NOT open the side cover.</b>	It may damage VLP2.
<b>Do NOT separate the battery from the unit during operation.</b>	If battery is separated from the unit during operation, not through the proper steps indicated in the User Manual, it forcefully turns the system off, thus causing troubles in the system.
<b>Please check the battery capacity.</b>	If remaining battery life is not sufficient, it may forcefully turn the system off.

## 3. Introduction

### Portable Voice Transmitter

As portable voice transmitter, it works to transmitting and receiving voice wirelessly. The transmitter is composed power switch, emergency push button, connection LED, power alarm LED, etc. Power switch will be used when the transmitter power turns on and off. The voice will be input via microphone port to connect transmitter. The emergency push button is transfer the signal with digital under emergency situation during voice communication. Connection LED shows the transmitter' display panel and power alarm LED shows battery short. Transmitting voice is to the remote place by connecting microphone. And it also informs the status of transmitter by vibration.

## 4. How to use

### Connection of Power and the way to charge

1. Connect Receiver with a power cable.
2. Turn the power of receiver on.
3. Start the charging after putting the transmitter on the receiver. At this time, charging LED will be red color..
4. When the charging is completed, the LED of receiver will be green..

### How to connect and disconnect

1. Connect the transmitter with the receiver..
2. When LED(Connection) of receiver is blinking 4times, pairing between the transmitter and the receiver will be done..  
After pulling out the receiver from transmitter When LED(Connection) turns into Green color, voice can be transferred to the receiver through microphone of transmitter.

### How to alarm the emergency

1. Push the emergency button of transmitter during connecting transmitter and receiver..
2. Through EM terminal of Receiver, 12V Voltage will be output and transmitter will be vibrates continuously.
3. When you are going out from Emergency, push emergency button of transmitter once again.
4. Then the signal of EM terminal of receiver will be disappear and vibration of transmitter will stop.

### How to show Battery short

When battery of transmitter is short, Battery LED will turn into red color..

How to show the connection of Transmitter.

1. When transmitter and receiver are connected, Green LED will turn on..
2. When the receiver is powered off, Red LED will disappear.



Transmitter



Receiver

\*Receiver is complied with requirement standard, as a result of test by KOSTEC  
Laboratory in accordance with declared by applicant

## 5. Product Specifications

Description's	Technical Specifications
<b>Equipment Name</b>	Voice Link Plus
<b>Model No</b>	MV-VLP2-2.4TR
<b>Frequency range</b>	2 401.056~2 482.272 MHz
<b>Oscillation type</b>	PLL(Phase Local Loop)
<b>ITU emission TYPE</b>	1M00F1D
<b>Number of channels</b>	95 Channels
<b>Modulation Type</b>	GFSK
<b>Battery capacity (Rechargeable)</b>	3.7Vdc
	800 mAh Li-poly
<b>20dB bandwidth</b>	Less than 1 MHz
<b>TX Power(Conducted)</b>	Max. 100 mW
<b>Weight / Dimension</b>	135 g / 45 mm(W) X 24 mm(D) X 60 mm(H)
<b>In use time(Talk mode)</b>	3 Hours
<b>Operation temperature</b>	-40 ~ + 80 degrees
<b>Type</b>	Belt Clip Type
	Power On/Off Switch
	Internal Antenna
<b>Power Source</b>	3.7Vdc / 800 mAh (Lithium polymer battery)
<b>LED</b>	ERROR(RED)/TALK(GREEN)



## 6. Battery

The battery doesn't have to be easy to replace, but do able by someone with moderate skills. Remove a couple of screws, open up the micro-phone shell and unplug the battery should be acceptable

### [Battery Operation Time]

	Capacitance (800mAh)
Continuous Stan-by	80 hours
Continuous Transmission	3 hours

### [Notes on Battery]

- The figures above are measured in the laboratory setting under the actual conditions.  
The actual figures in the use of different conditions may vary.
- When the duration of operation of battery is reduced to half from the first time of use, it is required to replace with a new battery.
- The battery is discharged even if you do not use it.

## 7. Transmission Functions

### ▪ Transmission Functions Details

- ▶ Voice transmit
- ▶ Internal microphone and External microphone
- ▶ Vibration indicate
- ▶ External micro-phone detects and open/short trouble check
- ▶ Low battery indicate
- ▶ Emergency signal transmit

## 8. Troubleshooting

Error Messages	Possible causes and solutions
LOW BAT LED(RED)	The battery is almost empty. ▶ <a href="#">Please Docking Charge to Battery.</a>
ERR LED(RED)	External microphone is Open or Short ▶ <a href="#">Change External microphone</a>
SYNC LED(RED Blink)	Transmitter was out of range. ▶ <a href="#">Transmitter close to Docking Station.</a>

※ Call for the service if the same trouble appears after following the Troubleshooting.

# Thank you

## Questions and Warranty inquiry

Give us a call if you have any questions or before visiting our service center.

**Customer Service Center**  
**02-2109-6490**

Please be sure to use battery charger, battery and peripherals recommended by manufacturer to prevent damage or breakage to the VLP2.

Warranty period: Battery charger (1 year), Battery (6 months)

[Any damage caused by the use of imitation product is liable to the user's responsibility.](#)