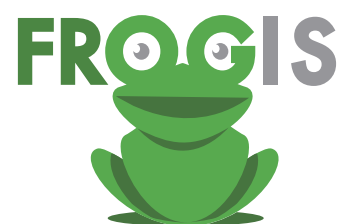


# FI-WP2V/FI-WP2HL





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## SYMBOLS

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Frog declares that this device is in compliance with applicable CE standards and regulations. Before putting the device into operation, please observe the respective country-specific regulations!

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Waste Electrical and Electronic Equipment (WEEE)  
Please dispose of this product at the end of its operational lifetime by bringing it to your local collection point or recycling center for such equipment.

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This symbol alerts the user to the presence of recommendations about the product's use and maintenance.

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Warning: DANGEROUS VOLTAGE.  
Terminals marked with this symbol carry a risk of electric shock, therefore external wiring connected to these terminals requires installation by a qualified professional or the use of ready-made leads or cords.

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This symbol alerts the user to the presence of recommendations about product's use and maintenance.

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This device complies with Restriction of Hazardous Substances Directive.

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## 1. INTRODUCTION

The FROG-IS FI-WP2V/FI-WP2HL is the first choice for demanding musicians and DJs who work in loud environments.

A multi-purpose system (200 W), it is fully equipped to serve as a main PA, a stage monitor, a distributed audio system and also other applications. With a broad range of accessories and ultimate flexibility, it ensures a sound quality and intelligibility without compromise.

The FI-WP2V/FI-WP2HL delivers punchy, assertive sound. It's integrated; high performance delivers very high sound pressure levels with an exceedingly dynamic, tight and clean response. Loaded with top quality speakers, it provides premium audio performance with maximum reliability and minimum power compression that is easy to install.

This is a strong-built and robust system designed to handle high loads, rendering lead vocals, guitars, electronic instruments, and playback tracks with power and authority, easily delivering sound across medium-to-longer distances. The FI-WP2V/FI-WP2HL features provide musicians and audiences with an excellent acoustic

## 2. UNPACKING

FROG-IS speakers are built to the highest standard and thoroughly inspected before leaving the factory. Upon arrival, carefully inspect the shipping carton, then examine and test your new product. If you find any damage, immediately notify the shipping company. Only the consignee may file a claim regarding the system's electronic equipment.

## 3. SAFETY



WARNING



Read all safety information below and operating instructions before using this device to avoid injury.

### SAFETY AND HANDLING INFORMATION



Warning. Failure to follow safety instructions could result in fire, shock or other injury or damage

IT IS IMPORTANT THAT LOUDSPEAKER SYSTEMS ARE USED IN A SAFE MANNER.

**Avoiding Hearing Damage.** Professional loudspeakers are capable of producing extremely high sound levels and should be used carefully. Never stand close to loudspeakers driven at high volume. Set the volume to a safe level. You can adapt over time to a higher volume of sound that may sound normal but can be damaging to your hearing. Hearing loss get worse every time you're exposed to a sound level of 90 dB or over for an extended period of time. If you experience ringing in your ears or muffled speech, stop listening and have your hearing checked. The louder the volume, the less time is required before your hearing could be affected.

**Choking Hazards.** This device contains small parts, which may present a choking hazard to small children. Keep the device and its accessories away from small children.

**Avoiding Water and Wet Locations.** Do not install the system in wet or humid locations without using weather protection. Take care not to spill any food or liquid on the device. In case it gets wet, unplug all cables, turn off the device before cleaning, and allow it to dry thoroughly before turning it on again. Do not attempt to dry the device with an external heat source, such as a microwave oven or hair dryer. A device that has been damaged as a result of exposure to liquids could be not serviceable. If the device is exposed to rain or excess moisture, unplug the power cord immediately.

**Keeping the Outside Clean.** Handle the device with care to maintain its appearance. To clean it, unplug all cables and turn off it. Warning: unplugging the power cord is the only way to disconnect power completely. Then use a soft, dry or slightly damp cloth. Avoid getting moisture in openings. Don't use window cleaners, household cleaners, aerosol sprays, solvents, alcohol, ammonia, or abrasives to clean the device.

**Carrying, Handling and Installing the device.** The device contains sensitive components. Do not drop, disassemble, open, crush, bend, deform, puncture, shred, microwave, incinerate, paint, or insert foreign objects into it. If your device has been dropped or damaged, or if liquid has been spilled into the chassis, unplug the power cord immediately.

Do not operate speakers for an extended period of time with sound distortion. This is an indication of malfunction, which in turn can generate heat and result in a fire.

To reduce the risk of overheating the device, avoid exposing it to direct sunlight and take care to do not install it near heat emitting appliances, such as a room heater or stove.

No naked flame sources such as lighted candles should be placed near the device.

Operate the device in a place where the temperature is between -20°C and 50°C (-4°F to 122° F). Avoid dramatic changes in temperature or humidity when using it, as condensation may form on or within the device.

During the use, it is normal for the device to get warm. The exterior of the device functions as a cooling surface that transfers heat from inside the unit to the cooler air outside.

The device should be placed so that its location does not interfere with its proper cooling. For example, the device shouldn't be placed on beds, carpets or similar surfaces that could create an obstacle for the ventilation openings.

To reduce the risk of electric shock, unplug the power cord before connecting audio cables.

Set up your device on a stable retaining horizontal surface. If combined or mechanically connected with other products, always verify the stability of the resulted system. Install the unit only in a location that can structurally support the weight of the unit, far away from people who can interfere with the stability of the system. In case of outdoor installation, assure that the wind does not interfere with the system's stability, taking extra securities like chains, weights, ropes or any other certified anchoring systems. Doing otherwise may result in the unit falling down, causing personal injury or property damage.

Protect the power cord from being walked on or pinched.

This audio system is not intended for use in the operation of nuclear facilities, aircraft navigation or communication systems, air traffic control systems, or for any other uses where the failure of the audio system could lead to death, personal injury, or severe environmental damage.

**Do not make repairs yourself.** Caution, risk of electric shock. Do not open the device, it contains potentially hazardous voltage. Never attempt to disassemble, repair or modify the system yourself. Disassembling the unit may cause damage that is not covered under the warranty. The device contains no user-serviceable parts. Repairs should only be performed by factory trained service personnel. Do not plug the power cord if you suspect that your device needs service or repair.

**Voltage requirement.** Make sure that the supplied voltage stays within the specified range. Verify that your mains connection satisfies the power ratings of the device.

## 4. SYSTEM COMPONENTS



- UHF PLL Diversity Wireless Receiver
- Transmitters (Depending on Configuration)
- 2 Antennas
- Combo Rack Mount / Antenna Front Mount Kit with Mounting Screws, Cables, BNC Connectors
- Power Adapter
- Four 1.5V"AA Batteries
- User Guide

### FI-WP2V

#### Handheld Transmitter



### FI-WP2HL

#### Bodypack Transmitter





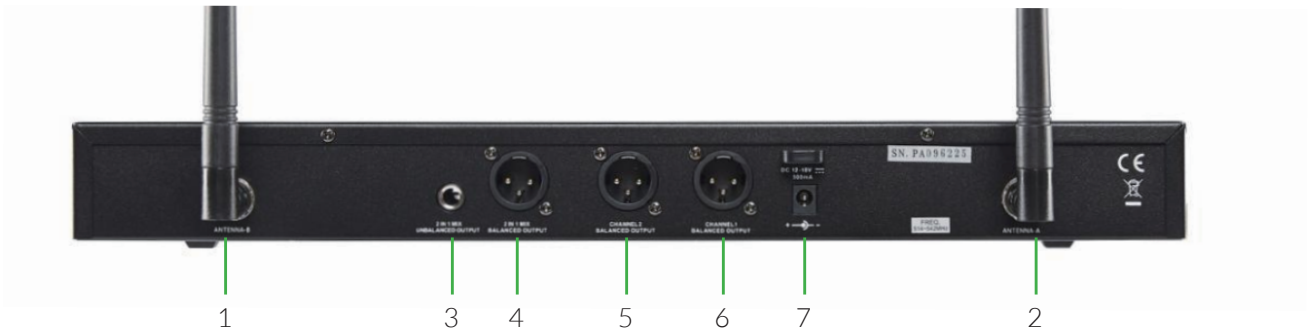
## 5. RECEIVER PANEL FEATURES

### 5.1 Receiver Front Panel Features



- 1) Power Button - Press for 2 seconds to turn on, hold longer to turn off
- 2) "ASC" Infrared Frequency Button - Press this button to establish infrared connection between the receiver and the transmitter.
- 3) Infrared Frequency "IR" Window
- 4) LED Display
- 5) Auto Button for Fast Frequency Sweep
- 6) Set Button To set all functions showing on the screen.
- 7/8) Quick Up and Down Channel Setting Buttons

### 5.2 Receiver Rear Panel Features



- 1) Antenna Jack B 50 OHM
- 2) Antenna Jack A 50 OHM
- 3) 1/4" Mix Output Socket
- 4) XLR Mix Output Socket
- 5) XLR Output Socket Channel 2
- 6) XLR Output Socket Channel 1
- 7) DC Power Adapter Socket

## 6. HANDHELD TRANSMITTER FEATURES

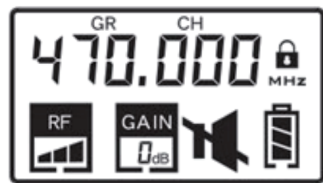


- 1) Microphone Head
- 2) LED Liquid Crystal Display
- 3) Power & Mute Switch
- 4) Infrared Frequency (IR) Port



### Changing Batteries

Two Alkaline batteries should provide power for approximately 10 hours. When the power indicator on the display is flashing, batteries should be replaced immediately as shown below.



Mute: Tap the power button to mute handheld transmitter, the icon will be displayed. Tap the power button again to clear mute.

### Function

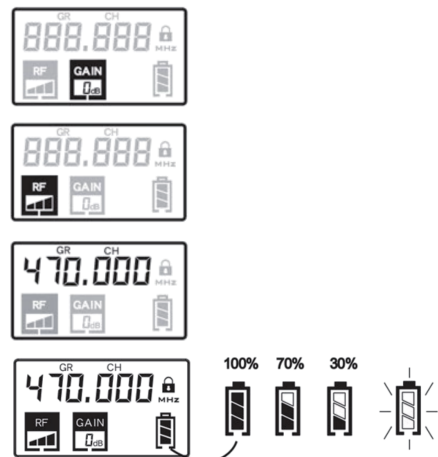
- Transmitter Intensity Indicator
- Battery Power Indicator
- Frequency Setting
- Frequency Setting
- Microphone Gain Value

- Microphone Gain Adjustment Display

- Transmitting Power Level Display

- Frequency Setting Display

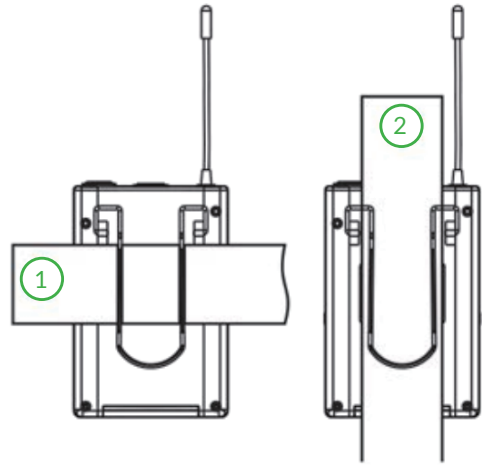
- Low Power Tip: If the battery icon shows less than 30%. replace batteries immediately. Battery icon will Flash prior to shutting off.



## 7. BODYPACKTRANSMITTERFEATURES



- 1) Antenna
- 2) Power Indicator Light
- 3) Power / Mute Button
- 4) 3-Pin Microphone Input
- 5) LED Screen
- 6) Batteries

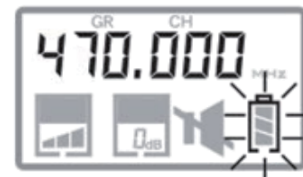


### Wearing the Bodypack Transmitter

- 1 - Transmitter Clamped to a Belt
- 2 - Transmitter Clamped to Guitar Strap

### Changing Batteries

Two Alkaline batteries should provide power for approximately 10 hours. When the power indicator on the display is flashing, batteries should be replaced immediately.



## 8. FREQUENCY SELECTION GUIDE

Radio frequencies used for wireless communication in most countries including the United States are under strict control and regulations. These regulations specify which devices can be used at what frequency and tend to limit interference within the frequency bands.

To ensure constant reliable frequency availability and to minimize the interference that might occur the user can choose frequency bands between 470 and 489 MHz or 514 and 542 MHz.

For the user's convenience, preset frequency groups have been created to minimize intermodulation distortion. When using multiple receivers and transmitters each system must use a separate and different channel. Grouping the receivers and then using separate channels on the transmitters will provide the best frequency use and distribution.

When using up to 3 units (max of 6 channels) in the same frequency range, the wireless microphone system does not require an antenna combiner under normal conditions. If using 4 to 7 units (8 to 14 channels) the use of an approved antenna combiner is highly recommended.

## 9. QUICK START

### 9.1 Navigating The Menu On The Receiver

- 1) Hold **SET** button for 3 seconds to unlock display.
- 2) Press **SET** button again and you will scroll through the different settings on the display. Volume (default), **GR** Group, **CH** Channel, **SQL** Squelch, **RF** (Radio Frequency) Range, & **Gain**.
- 3) Selected setting will flash
- 4) Press up and down buttons to change selection values.
- 5) System saves settings and auto locks when idle for 10 seconds.

### 9.2 Syncing Transmitters

- 1) Turn **ON** transmitter and lower or remove its battery cover. Locate its IR transmission window.
- 2) Press the **ASC** button on receiver to sync its setting to the transmitter. Receiver will transmit selected group, channel, and gain adjustments for approximately 25 seconds.
- 3) Hold up the IR window of the transmitter to the IR window of the receiver about 3-6" apart during the 25 second IR transmission cycle. NOTE\*\*\* On units manufactured after 2021, the ASC button acts as an ON /OFF toggle. Long pressing the button will not activate the syncing sequence. Lightly press the ASC button and the IR Window Icon will flash during IR transmission.
- 4) Verify matching channels and settings between the transmitter and receiver. The RF meter of the receiver should have full bars across the screen with matching frequency. The AF meter should display bars when you speak into the transmitter.
- 5)

## 10. IMPORTANT SAFETY INSTRUCTIONS

Transmitter and antenna should remain in line of sight for best signal reception.

Do not place the receiver in close proximity to a metal surface or near any digital device.

Receiver should be placed 3' off the ground and have space surrounding to ventilate.

Ventilation holes should not be covered.

Two-way radios can interfere with any audio transmission. Insure the transmitter and receiver are far from these devices to eliminate potential sources of interference.

Receiver should not be placed in direct sunlight and should be kept away from any water sources or open flame.

Nominal operating temperature is 23°F ~ 122° F

## 11. SERVICE

To obtain service:

- 1) Contact the official Frog distributor in your country. Your local distributor will direct you to the appropriate service center.
- 2) If you are calling for service, please have the serial number(s) of the unit(s) available for reference. Ask for Customer Service, and be prepared to describe the problem clearly and completely.
- 3) If the problem cannot be resolved over the phone, you may be required to send the unit in for service. In this instance, you will be provided with an RA (Return Authorization) number which should be included on all shipping documents and correspondence regarding the repair. Shipping charges are the responsibility of the purchaser.

Any attempt to modify or replace components of the device will invalidate your warranty. Service must be performed by an authorized Frog service center.



### Cleaning:

Use only a soft, dry cloth to clean the product. Do not use any solvents, chemicals, or cleaning solutions containing alcohol, ammonia, or abrasives. Do not use any sprays near the product or allow liquids to spill into any openings.

## 12. TROUBLESHOOTING GUIDE

Problem	Indicator (lamp)state	solution
No sound or faint sound	Transmitter Power Light Off	<p>Confrm main powerison</p> <p>Confrm batteriesareinserted correctly +/-</p> <p>Confrm batteries in transmitter are charged</p>
	Receiver PowerIndicatorOff	<p>Confirm AC power is connected to receiver via power jack.</p> <p>Confrm AC power supplyis normal</p> <p>Confrm Voltage on power supply is normal</p>
	Receiver RF Indicator illuminated	<p>Adjust high receiver volume control</p> <p>Adjust high transmitter gain switch setting</p> <p>Check receiver/ amplifher/mixer connections</p>
	ReceiverPowerIndicatorOff ReceiverRF Indcatoriluminated	<p>Ensure receiverisawayfrommetal surfaces.</p> <p>Ensure space between transmtter and receiver is free of obstacles.</p> <p>Verify transmitter and receiver are using the same frequency.</p>
	Low-voltage lightontransmitter	Replace Batteriesin Transmitter
Distortion or excess noise	RF Signal illuminated on receiver	<p>Ensure that no potential sources of interference are nearby. (CD players, computers, digital devices, ear monitoring systems). Set receiver and receiver to a different frequency. Reduce the transmitter. signal Replace batteries.If using multiple systems - increase frequency interval between the systems.</p>
Distortion level gradually increased	Low Battery Indicator flashing	Replace Batteries in Transmitter
Out put has feedback and / or distortion.		Adjust the transmitter and receiver volume to appropriate levels.

## 13. SPECIFICATIONS

System	
Frequency range and transmitter output level	514-542Mhz
The transmitter RF Power (selectable)	10 - 20 - 30 Mw
Work range on the typical understanding	80meter(240feet)
Notes: The actual scope and RF signal	relate to absorption, reflection
Audio frequency response (+/-3db)	60Hz-16KHz
THD (+/- 30khz excursion, 1khz audio)	<1%
Dynamic range	>90db (A wh)
The work temperature range	-10° to +50° (Notes: Battery characteristics may affect the scope of the limits.)
Handheld transmitter	
Maximum audio input level	0dBV
SIZE (including a microphone head)	250mm*50mm diameter
Weight	360g(without battery)
Power requested	Two 1.5V "AA" charging battery
Battery life	>10 hours (alkalescence)
Bodypack transmitter	
Gain Adjustment Rangeaudio input level	0/3/6dB
Input Impedance	5K $\Omega$
Output Power	2mW / 10mW / 30mW
Harmonic Rejection	> 50dB
Pilot Tone	32.768KHz
Display	LCD
Power Requirements	1.5V x 2(AA)
Battery Life	>10 hours (alkalescence)
Dimensions	6.5" x 2.56" x.91"
Weight	4.59oz
Receiver	
Audio output level (reference+/-30KHz-1KHz)	655-679MHz
XLR adaptor (switch in 600 $\Omega$ )	-12dBV 1/4
inch adaptor (switch in 3000 $\Omega$ )	-18dBv
Output impedance	XLR adaptor : 200 $\Omega$
	1/4 inch adaptor : 1k $\Omega$
XLR output	Balance impedance
	Contact pin 1 : GND
	Contact pin 2: (+)
	Contact pin 3: (-)
Sensitivity (intermediate frequency demodulator	< -90dBm
output SNR 30db)	Image Rejection
	>70dB
Size	44mm*410mm*160mm
	1750g
Weight	7.8 kg (17.20 lb)
Power request	12 V DC, switching power supply 500 milliamperes from an external power







FROG-IS

[WWW.FROG-IS.COM](http://WWW.FROG-IS.COM)

FROG-IS is a brand of K-gear surl - Via Paolina Romagnoli 17, 50038 Scarperia e San Piero, Firenze  
ITALY

