

OPERATIONS MANUAL

Note

ADDY Series
Wireless Microphone Systems

User's Guide For Installation and Operations

by

ADD Eleco, Inc.

<http://www.add.co.kr>
<http://www.addleco.com>

Introduction

THANK YOU.....
for choosing the **ADDY Series Wireless Microphone System** from **ADD Eleco, Inc.**
 To make the most of your **ADDY series**, please read carefully this guide before starting operation of the wireless microphone system. Please contact the Customer Service Division of the **ADD Eleco, Inc.** By call to (562) 927-5600 or FAX to (562) 927-2296, Monday through Friday, 8:00 a.m. - 4:30 p.m., if you have queries about your system that are not answered in this guide or if you need repair. In Europe and Asia, please call **ADD Eleco, Inc.** at (82) 32-349-0057 or fax us at (82) 32-348-4077.
 Also available is E-mail on our Internet Web site for your contact.

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Introduction

Product Overview

Your **V200 /V201/V202TW** receiver belongs to the **ADDY series**. They are designed to operate with an **AD200H** transmitter, and only one transmitter (microphone) at a time can be used with the receiver. All the receivers are True Diversity types.
 The **ADDY series** consist of single channel and crystal controlled transmitter and one receiver as a set. The receiver utilizes a single intermediate frequency. The combination produces the highly stable operation with superior interference rejection.

Frequency Selection

The system can be affected and hindered by mixed frequency interference if many systems are used at the same space or if the other devices employing same frequencies are placed near from you. Please select the proper frequency following our expert engineer's advice in order to protect it.

ADDY200 Series Receiver

The **V200/V201/V202TW** receiver is an economical, portable, and true diversity receiver intended for wireless speech.
 Mounted on the **V200/V201** receiver are 3 LED indicators: one power indicator and two diversity indicators for A- and B-Antenna.
 The **V202TW** receiver, the two channels system, has five LED indicators: one power indicator and four diversity indicators.

Overheat, Overcurrent Protector

The **V200/V201/V202TW** Receiver has no normal type disposable fuse, and is designed to automatically cut the electric power off whenever the receiver meets the damage risk being caused by the overcurrent or the overheat or the overheat.
 Please contact the **ADD Eleco, Inc.** After-Service Center if automatic power-off is made frequently.

Product Overview

How to install Transmitter (AD200H)

1. Screw the transmitter antenna (97mm long) into the ANT. hole at the bottom panel of the transmitter (microphone).

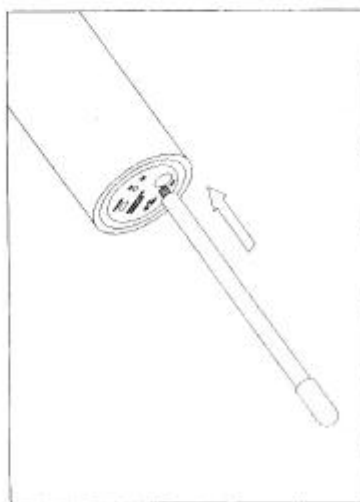


Figure 11. How to connect antenna to transmitter

2. First, confirm all parts of the AD200H transmitter. Packed with the AD200H transmitter are one 9V battery and one helical antenna. (Note: Any disposable alkaline and rechargeable 9VDC battery can also be used.)

3. In order to insert a battery into the battery holder, which is inside the transmitter, open the transmitter battery compartment by grabbing the ball of transmitter and turning the microphone handgrip to the left. Check the "+" and "-" marks written on the battery holder inside of the transmitter(microphone). The average life of an alkaline battery is longer than 20 hours. A rechargeable 9VDC battery can also be used.

* The LED is flickering when low voltage. (less than 6.2V)

Transmitter Installation

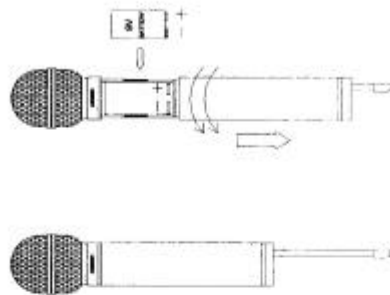


Figure 12. How to insert a 9V battery.

4. Slide the **POWER ON/OFF** switch of the transmitter to the right side, and you can find the red **ON** LED illumination
5. Insert the cord of the audio signal cable into the microphone input of your Amplifier or Mixer.
6. Turn the V200/V201/V202TW receiver on.
7. Turn the Mixer on.
8. Speak at a normal voice level. Turn the audio amplifier or mixer level up as required. The audio from the speaker should sound clear and distinct. Enjoy your **ADDY** system.
9. If acoustic feedback (squeal or howl) occurs in the speaker, you must change the location of either the microphone or the speaker in to prevent it.

Transmitter Installation

10. If the voice sounds weak, but not distorted, adjust by turning the volume control on the receiver up. If adjusting the volume control clockwise causes the distortion of the voice, you are overdriving the amplifier or mixer. Then, return the volume control to the midpoint setting.

Interference: The interference can occur with any radio device at any time. They are basically two types of interference, mild and severe. Before using the **ADDY** system, we recommend that you monitor the channel for interference. To do so, install the receiver of your **ADDY** system only at the desired location. DO NOT turn on any other receiver or transmitter at this time.

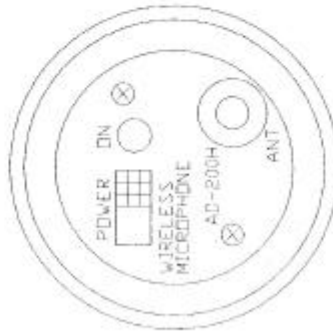


Figure 13. The bottom side panel of the transmitter.

The **ADDY** system, which is shipped, is pre-adjusted for the optimal installation and will normally not require any further adjustment. We recommend that all users read these basic tips for carefully and follow them when you operate the wireless microphone system.

Technical Specifications

Receiver :

- Carrier Frequency 174MHz -216MHz FM (F3E)
- Modulation 50Hz-15,000Hz(±30dB)
- Frequency Response Less than 2%
- Total Harmonic Distortion 2:1, Philips NE571
- Comander Type 15dBµV @50dB S/N.
- Signal Sensitivity 70dB
- Image Rejection Ratio 50µsec
- De-emphasis 1/4 Wave length
- Antenna Type -40dB 200ohms,Adj.
- Audio Output 20Watt @ 4 ohms
- Microphone Level Balanced AC120V / DC12V
- Power Amp. Output
- Power Supply
- Dimension (W x D x H mm, without antennas)

- Weight 150X187X38mm for V200
- 182X230X38mm for V201
- 182X230X38mm for V202TW
- 730g for V200
- 850g for V201
- 960g for V202TW

Transmitter :

- OSC Type X-Tal Controlled
- Bandwidth ±150KHz
- RF Power 10mW
- Spurious Emission Less than -40dB Below Carrier
- Pre - emphasis 50µsec
- Battery Type 9V or 1.5V X 2alkaline
- Battery life Approximately 20 hours (Alkaline)
- Dimension 36mm X 215mm
- Weight 233g

Technical Specifications

Transmitter Installation

Warranty

ADD Eleco, Inc. Offers a one-year warranty from the date of purchase. This warranty covers defects in equipment of the ADDY series receiver and transmitter under the normal use, and any failure to perform substantially in accordance with this User's Guide.

This warranty does not cover any failure, which results from any accident, abuse, misapplication, or alteration, or from using outside of the USA. Incidental and consequential damages are not covered by this warranty and not the responsibility of the **ADD Eleco, Inc.**

If this product becomes defective within in the warranty period, repack the unit carefully, insure it, and return it postpaid to the **ADD Eleco, Inc.**

Warranty

FCC Rules and Regulations

ADD Eleco, Inc. wireless handheld Transmitter, model AD200H is type accepted under United States Federal Communications Commission Parts 90 and 74. The receiver models, V200, V201 and V202TW have notification under Part 15 of the Federal Communications Commission. Licensing of **ADD Eleco, Inc.** equipment is the user's responsibility and licensability depends upon the user's classification, and frequency selected. **ADD Eleco, Inc.** strongly urges the user to contact the appropriate telecommunications authority before ordering and choosing frequencies.

Caution

Changes or modifications not explicitly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Rules and Regulations