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# Vivanco FMH 6050 Wireless Headphone Set User Manual

Model: FMH 6050

## INTRODUCTION

This manual provides instructions for the Vivanco FMH 6050 Wireless Headphone Set. This stereo wireless headphone system operates on an 863 MHz transmission frequency and features manual tuning with PLL technology. It includes a compact transmitter with an integrated antenna, manual channel selection, and a charging function for the headphones. The system supports multi-device operation and is compatible with various audio sources such as TVs, PCs, and HiFi systems. The headphones offer approximately 8 hours of operating time and a reception range of up to 100 meters.



Image: Vivanco FMH 6050 Wireless Headphones, side view. This image shows the overall design of the headphones, highlighting the earcups and headband.

## PACKAGE CONTENTS

Ensure all the following items are present in your package:

- 1 x Vivanco FMH 6050 Wireless Headphones
- 1 x Vivanco FMH 6050 Transmitter
- 1 x Power Adapter
- 2 x AAA Batteries
- 1 x Adapter Set (for audio connections)

## SETUP

### 1. Transmitter Setup

- 1. Connect Power:** Plug the supplied power adapter into the DC IN port on the back of the transmitter. Connect the other end to a power outlet. The 'CHARGE' or 'READY' LED on the front will illuminate.
- 2. Connect Audio Source:** Use the appropriate cable from the adapter set to connect your audio source (e.g., TV, PC, HiFi system) to the AUDIO IN port on the back of the transmitter.
- 3. Select Channel:** Choose one of the three available transmission channels (1, 2, or 3) using the CHANNEL switch on the back of the transmitter.



Image: Vivanco FMH 6050 Transmitter back view. This image displays the rear panel of the transmitter, showing the CHANNEL switch, AUDIO IN port, RECHARGE port, and DC IN power input.



Image: Vivanco FMH 6050 Transmitter front view. This image shows the front of the transmitter with the 'CHARGE' (green) and 'READY' (red) indicator LEDs.

## 2. Headphone Setup

- 1. Insert Batteries:** Open the battery compartment on one of the headphone earcups. Insert the two supplied AAA batteries, ensuring correct polarity (+/-).
- 2. Initial Charge (Optional):** For optimal performance, place the headphones on the transmitter's charging cradle. The 'CHARGE' LED on the transmitter will indicate charging status.

## OPERATING INSTRUCTIONS

### 1. Powering On/Off

Locate the ON/OFF switch on the right earcup of the headphones. Slide the switch to the 'ON' position to power on the headphones. Slide it to 'OFF' when not in use to conserve battery life.



Image: Vivanco FMH 6050 Headphones front view. This image shows the right earcup with the ON/OFF switch and the TUNE button.

## 2. Tuning and Channel Selection

1. Ensure your audio source is playing and the transmitter is powered on and connected.
2. Turn on the headphones using the ON/OFF switch.
3. Press the 'TUNE' button on the headphones repeatedly until you find the clearest signal. You may need to adjust the CHANNEL switch on the transmitter (1, 2, or 3) if interference occurs or if you cannot find a clear signal.

## 3. Volume Control

Adjust the listening volume using the 'VOL' dial located on the left earcup of the headphones. Rotate the dial clockwise to increase volume and counter-clockwise to decrease it.



Image: Vivanco FMH 6050 Headphone earcup close-up. This image highlights the left earcup, showing the 'VOL' dial for volume adjustment and the Vivanco FMH 6050 branding.

## 4. Reception Range

The Vivanco FMH 6050 offers a reception range of approximately 100 meters in open areas. Obstacles such as walls, furniture, and other electronic devices may reduce this range. For best performance, ensure a clear line of sight between the transmitter and headphones.

## MAINTENANCE

### 1. Cleaning

- Wipe the headphones and transmitter with a soft, dry cloth.
- Do not use liquid cleaners, solvents, or abrasive materials, as these can damage the surfaces.

### 2. Battery Care

- If using rechargeable AAA batteries, ensure they are fully charged before each use for optimal operating time.
- Remove batteries from the headphones if they will not be used for an extended period to prevent leakage and damage.
- Dispose of used batteries responsibly according to local regulations.

## TROUBLESHOOTING

If you experience issues with your Vivanco FMH 6050, refer to the following common problems and solutions:

- **No Sound:**

- Ensure the transmitter is powered on and its power adapter is securely connected.
- Verify that the audio source is playing and connected correctly to the transmitter's AUDIO IN port.
- Check that the headphones are powered on and have sufficient battery charge.
- Adjust the volume dial on the headphones.
- Press the 'TUNE' button on the headphones to find a clear signal.
- Ensure the transmitter's CHANNEL switch matches the tuned channel on the headphones.

- **Poor Sound Quality / Interference:**

- Re-tune the headphones using the 'TUNE' button.
- Try switching to a different channel (1, 2, or 3) on the transmitter and then re-tuning the headphones.
- Move the transmitter or headphones away from other electronic devices (e.g., Wi-Fi routers, cordless phones) that might cause interference.
- Ensure the headphones are within the reception range of the transmitter.

- **Short Reception Range:**

- Check the battery level of the headphones; low batteries can affect range.
- Ensure there are no significant obstacles (thick walls, metal objects) between the transmitter and headphones.
- Minimize other RF devices operating in the vicinity.

## SPECIFICATIONS

Feature	Specification
Model	FMH 6050
Brand	Vivanco
Transmission Frequency	863 MHz
Operating Time (Headphones)	Approx. 8 hours
Reception Range	Approx. 100 meters (open area)

Frequency Response	20 - 20000 Hz
Headphone Weight	160 g
Signal-to-Noise Ratio	45 dB
Connectivity Technology	Wireless (RF), 3.5 mm jack (transmitter input)
Compatible Devices	TV, PC, HiFi, Mobile phones, Tablets, Game consoles
Headphone Form Factor	Over-ear, Half-open
Material (Earpads)	Faux leather
Included Components	Transmitter, Power adapter, AAA batteries (2), Adapter set

## WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Vivanco website. Keep your proof of purchase for any warranty claims.

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