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G-MARK X320FM

G-MARK X320FM Wireless Microphones System User Manual

Model: X320FM

INTRODUCTION

This user manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your G-MARK X320FM Wireless Microphones System. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

PRODUCT OVERVIEW

Key Features

- **Unique LED Light Design:** Microphones feature an LED halo for visual feedback.
- **Adjustable Frequency:** Dual UHF technology with a selectable frequency range of 520 MHz to 560 MHz, allowing for frequency changes if interference occurs.
- **Plug and Play, Auto Pairing:** Automatic frequency synchronization between receiver and microphones upon power-on.
- **Rugged Construction:** Microphones are constructed from metal for durability and impact resistance.
- **LCD Display:** Professional receiver features an LCD screen displaying channels and frequencies.
- **Wide Application:** Compatible with amplifiers, speakers, audio mixers, and other PA systems, suitable for karaoke, DJ events, parties, church, weddings, speeches, conferences, and outdoor events.

Package Contents

The G-MARK X320FM Wireless Microphones System package includes the following items:

- 1 x Receiver Box
- 2 x UHF Wireless Handheld Microphones
- 1 x 6.35 mm Audio Cable
- 1 x Power Adapter
- 2 x Antennas
- 2 x Anti-skid Rings

Product List



X series
Wireless Microphone



Figure 1: Contents of the G-MARK X320FM package, including the receiver, two handheld microphones, power adapter, audio cable, antennas, and anti-skid rings.

COMPONENTS IDENTIFICATION

Receiver Front and Rear Panels

Package List



Figure 2: Front view of the G-MARK X320FM receiver, showing the display, volume controls, and power switch. Rear view details XLR outputs, MIX OUT, power input, and antenna connections.

- **Front Panel:** Features UP/VOL and DW/VOL buttons for channel A and B, CHA/CHB frequency displays, RF/AF indicators, and a central power switch.
- **Rear Panel:** Includes ANT-A and ANT-B antenna connectors, BALANCED OUT-A and BALANCED OUT-B XLR outputs, a MIX OUT (AF A+B) 6.35mm audio output, and a DC9-12V power input.

Handheld Microphone Details

"X" button operation

Dual menu switching mode function



X series
Wireless Microphone

Function one Power switch: ON click / OFF long press



Function two Volume adjustment menu: double-click



Figure 3: Detailed view of the G-MARK X320FM handheld microphone, showing the microphone head, internal components, battery compartment, and AFH switch for frequency selection.

- **Microphone Head:** Metal mesh grille for protection and clear sound quality.
- **Body:** Durable metal construction.
- **Display:** Shows battery level and current frequency.
- **Power Button:** For turning the microphone on/off.
- **Battery Compartment:** Located at the bottom of the microphone for battery insertion.
- **AFH Switch:** Allows for channel selection (A, B, C, D) on the microphone.

SETUP INSTRUCTIONS

1. Battery Installation

To install batteries in the handheld microphones:

1. Unscrew the bottom part of the microphone to reveal the battery compartment.
2. Insert two AA batteries, ensuring correct polarity.
3. Screw the bottom part back on securely.

Video 1: Demonstrates battery installation in the handheld microphone (0:54 - 1:02).

2. Connecting the Receiver

Connect the receiver to your audio system using the provided 6.35mm audio cable or XLR cables (not included for XLR). Ensure you connect to the **MIC jack** on your amplifier, speaker, or audio mixer, not the AUX jack.

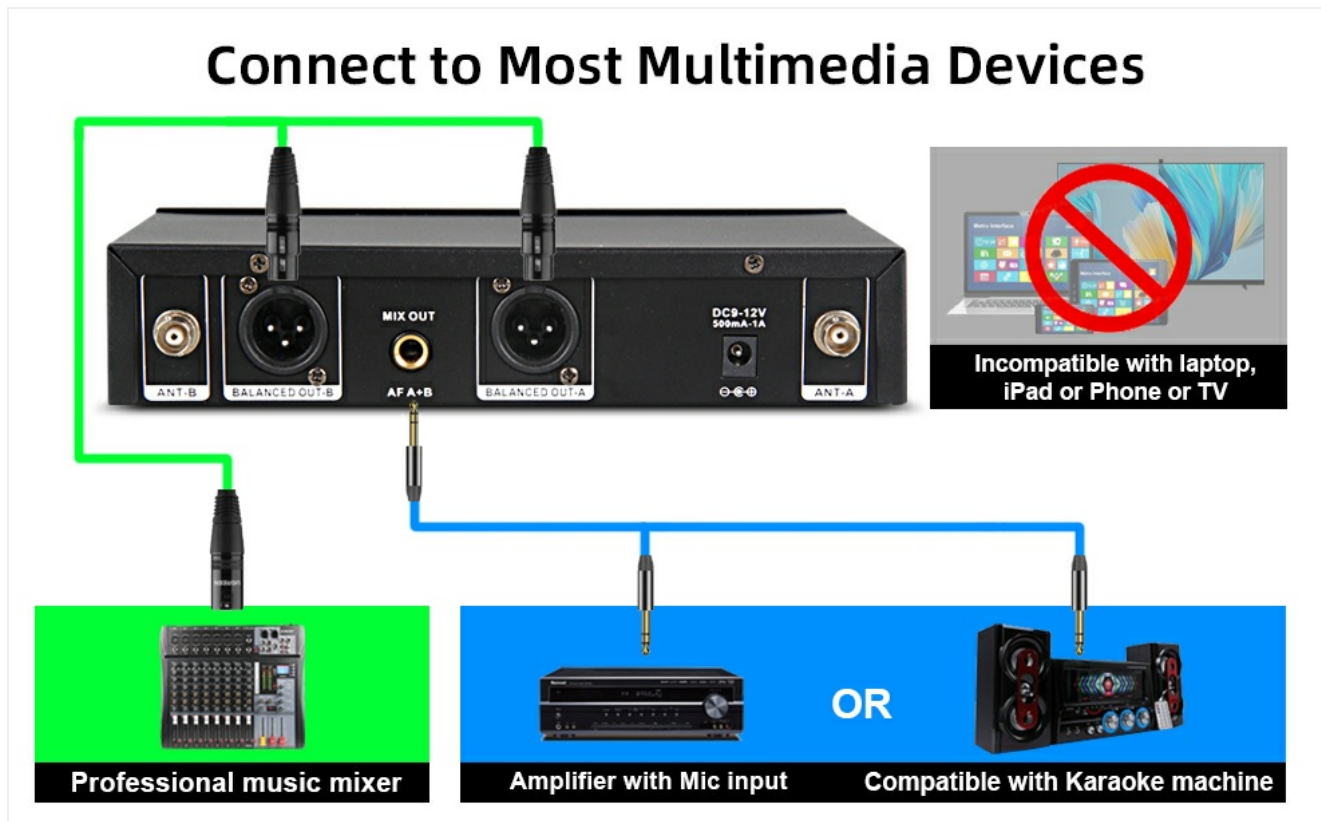


Figure 4: Diagram illustrating how to connect the G-MARK X320FM receiver to various audio devices like a professional music mixer, amplifier, or karaoke machine. Note that connection to laptops, iPads, phones, or TVs is generally not compatible.

3. Antenna Connection

Screw the two antennas onto the ANT-A and ANT-B connectors on the rear panel of the receiver. Position them vertically for optimal signal reception.

4. Powering On

Connect the power adapter to the DC9-12V input on the receiver and plug it into a power outlet. Press the central POWER button on the receiver to turn it on. Then, press the POWER button on each handheld microphone to turn them on.

Video 2: Shows the receiver powering on (0:19 - 0:23) and a microphone powering on (1:02 - 1:07).

OPERATING INSTRUCTIONS

1. Automatic Pairing (Flash Match)

The G-MARK X320FM system features automatic frequency synchronization. Once the receiver and microphones are powered on, they will automatically pair and lock to an available frequency. The receiver's display will show the synchronized frequency.

Flash Match

Lock frequency immediately after power on



Figure 5: Illustrates the 'Flash Match' feature where the microphone and receiver automatically lock frequency immediately after power on.

2. Frequency Adjustment

If you experience interference, you can manually adjust the frequency on the handheld microphone. The receiver's frequency for that channel will automatically change to match the microphone's new frequency.

1. Locate the AFH switch inside the microphone's battery compartment.
2. Use the switch to select a different channel (A, B, C, or D).
3. Observe the receiver's display; the frequency for the corresponding channel will update.

Video 3: Demonstrates frequency adjustment on the handheld microphone and how the receiver's frequency changes accordingly (1:24 - 1:46).

3. Volume Adjustment

Adjust the volume for each microphone channel directly on the receiver:

1. For Channel A, use the 'UP/VOL' and 'DW/VOL' buttons on the left side of the receiver.
2. For Channel B, use the 'UP/VOL' and 'DW/VOL' buttons on the right side of the receiver.

3. The volume level will be displayed on the receiver's LCD screen.

Video 4: Shows how to adjust the volume using the UP/VOL and DW/VOL buttons on the receiver (1:47 - 1:58).

4. Frequency Lock/Unlock

To prevent accidental frequency changes, you can lock the receiver's frequency. To unlock, double-click the UP/VOL and DW/VOL buttons simultaneously on the desired channel.

Video 5: Demonstrates how to lock and unlock the receiver's frequency by double-clicking two keys simultaneously (1:15 - 1:23).

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the receiver and microphones. Avoid using liquid cleaners or solvents.
- **Battery Care:** Remove batteries from microphones if they will not be used for an extended period to prevent leakage.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle microphones and receiver with care to avoid physical damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from microphones	Microphone or receiver not powered on; low batteries; incorrect connection; mismatched frequency; receiver connected to AUX jack.	Ensure all devices are powered on. Check microphone batteries. Verify receiver is connected to the MIC input of your audio system. Check that microphone and receiver frequencies match.
Interference or poor sound quality	Other wireless devices operating on the same frequency; too far from receiver; obstacles blocking signal.	Adjust microphone frequency to an unused channel. Reduce distance between microphone and receiver. Ensure a clear line of sight between devices.
Low volume	Microphone volume too low; receiver volume too low; audio system volume too low.	Increase volume on the microphone, receiver, and your connected audio system.
Receiver display is locked	Frequency lock feature is active.	Double-click the UP/VOL and DW/VOL buttons simultaneously on the respective channel to unlock the frequency.

SPECIFICATIONS

Feature	Detail
Model Number	G320FMus
Brand	G-MARK

Feature	Detail
Microphone Form Factor	Handheld
Material	Metal
Wireless Microphone Frequency	520 MHz - 560 MHz (Adjustable UHF)
Frequency Response	18 KHz
Audio Sensitivity	60 Decibels
Polar Pattern	Unidirectional
Power Source	Battery Powered (Microphones)
Item Weight	3.08 pounds (System)
Product Dimensions (L x W x H)	15.74 x 12.99 x 2.75 inches
Connectivity Technology	XLR, 6.35mm Jack
Compatible Devices	Amplifier, Audio Mixer, Karaoke Machine

WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your G-MARK X320FM Wireless Microphones System, please contact G-MARK customer service through the official channels provided at the point of purchase or on the G-MARK website. Please retain your proof of purchase for warranty claims.