

SGPRO SG-400F

SGPRO 4-Channel Wireless Microphone System SG-400F User Manual

Model: SG-400F

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1. INTRODUCTION

This manual provides detailed instructions for the SGPRO 4-Channel Wireless Microphone System, model SG-400F. This system is designed for reliable audio transmission in various settings, including live performances, events, and public speaking. It features a robust metal receiver and handheld microphones, offering stable transmission and clear sound quality.

Key features include:

- Stable 4-channel wireless transmission on 520-550MHz with BNC detachable antennas, providing a range of up to 250 feet in open spaces.
- User-friendly plug-and-play setup with auto-sync functionality.
- Handheld transmitters display channel and frequency, and the receiver offers independent volume control for each channel.
- Durable metal receiver case with clear RF and AF indicators, featuring 6.35mm and independent XLR jacks for versatile audio equipment connectivity.
- Classic metal-body handheld transmitters with durable grills, low battery indicators, and soft rubber buttons for enhanced durability.
- High-quality microphone capsules and premium receiver components ensure high sensitivity and a wide frequency response for authentic sound reproduction.

2. WHAT'S IN THE BOX

Please verify that all components are present upon unboxing:

- Receiver X 1
- Handheld Microphones X 4
- Power Adaptor (for Receiver)
- 6.35mm Connector Cable
- Rack Mount Kit X 2
- Anti-Roll Ring X 4
- User Guide



Image: All components included in the SGPRO 4-Channel Wireless Microphone System package.

3. SETUP INSTRUCTIONS

3.1. Unboxing and Initial Inspection

Carefully remove all components from the packaging. Inspect each item for any signs of damage. Retain the packaging for future storage or transport.

Your browser does not support the video tag.

Video: Official SGPRO video demonstrating the unboxing, battery installation, and initial power-on of the SG-400F wireless microphone system.

3.2. Receiver Setup

1. **Connect Antennas:** Screw the two detachable BNC antennas into the corresponding ANT-A and ANT-B ports on the rear of the receiver. Ensure they are securely fastened.
2. **Power Connection:** Connect the provided power adaptor to the DC IN 12V port on the rear of the receiver, then plug the adapter into a power outlet.
3. **Audio Output:** Connect the receiver to your audio mixer, amplifier, or active speakers using either the individual balanced XLR outputs (CH-A, CH-B, CH-C, CH-D) or the mixed 6.35mm (1/4 inch) or XLR MIX OUT ports.

Receiver Front



Image: Front panel of the SGPRO SG-400F receiver.

Receiver Rear



Image: Rear panel of the SGPRO SG-400F receiver with connection ports labeled.

3.3. Microphone Setup

1. **Install Batteries:** Unscrew the bottom part of each handheld microphone to reveal the battery compartment. Insert two (2) AA batteries, ensuring correct polarity. Screw the bottom back on securely.
2. **Attach Anti-Roll Rings:** Slide the provided anti-roll rings onto the microphone bodies to prevent them from rolling off surfaces.

Handheld Transmitter



Solid Metal Housing

Classic Capsule for Reliable Performance & Authentic Sound



Mic Screen

Channel & Frequency Display
Low Power Indicator (Flashes)

2x1.5V AA Batteries
(not included)



Image: SGPRO handheld microphone with the battery compartment visible.

Handheld Capsule



Image: The high-quality capsule of the handheld microphone.

4. OPERATING INSTRUCTIONS

4.1. Powering On and Auto-Sync

1. **Power On Receiver:** Press the POWER button on the front panel of the receiver. The power indicator will illuminate.
2. **Power On Microphones:** Press and hold the power button on each handheld microphone until the display screen illuminates. The microphone will automatically sync with an available channel on the receiver.
3. **Verify Connection:** On the receiver, observe the RF (Radio Frequency) and AF (Audio Frequency) indicators for each channel. A stable RF light indicates a successful wireless connection, and the AF light will flicker when audio is detected. The microphone's display will show its assigned channel and frequency.

4.2. Adjusting Volume

Each channel on the receiver has an independent volume control knob. Rotate the knobs to adjust the output level for each microphone individually. It is recommended to start with lower volume settings and gradually increase them to avoid feedback or distortion.

4.3. Low Battery Indicator

The handheld microphone's display screen includes a low battery indicator. When the battery level is low, the indicator will flash, signaling that the batteries need to be replaced soon. The screen will flash for approximately 30 minutes before the battery is depleted.

Handheld Screen



● **Real-time Channel & Frequency Display**
Seamless Operation: Screen Flashing for 30-Min Battery Change

Image: Handheld microphone display showing real-time channel and frequency, along with the battery indicator.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the receiver and microphones. Do not use liquid cleaners or solvents, as these can damage the components.
- **Storage:** When not in use, store the system in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries from microphones if storing for extended periods to prevent leakage.
- **Antennas:** Handle antennas with care to avoid bending or breaking.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from microphone	Microphone not powered on; low batteries; receiver not powered on; incorrect volume settings; microphone not synced.	Ensure microphone and receiver are powered on. Replace batteries in microphone. Check receiver volume and master volume on connected audio equipment. Verify microphone is synced to a receiver channel.
Intermittent sound or dropouts	Out of range; interference from other wireless devices; obstacles blocking signal; low microphone batteries.	Reduce distance between microphone and receiver. Ensure line of sight. Check for other wireless devices operating on similar frequencies. Replace microphone batteries.
Poor sound quality (static, distortion)	Interference; incorrect volume levels (too high); damaged microphone capsule.	Adjust receiver and microphone volume levels. Check for sources of interference. Ensure microphone capsule is clean and undamaged.
Microphone display not working	Low or dead batteries; microphone not powered on.	Replace batteries. Press and hold the power button to turn on the microphone.

Problem	Possible Cause	Solution
Receiver not powering on	Power adapter not connected or faulty; power outlet not working.	Ensure power adapter is securely connected to the receiver and a working power outlet. Try a different power outlet.

7. SPECIFICATIONS

Feature	Detail
Brand	SGPRO
Model Number	SG-400F
Recommended Uses	Singing, Speaking, Live Performance, Events
Connectivity Technology	UHF
Connector Type	6.35 mm Jack, XLR
Special Features	Separate Control, Separate Output, Volume Control
Compatible Devices	Active Speakers, Amplifier, Audio Mixer
Color	Black
Included Components	Handheld Microphones X 4, Receiver X 1
Polar Pattern	Super Cardioid
Audio Sensitivity	50 Decibels
Microphone Form Factor	Handheld
Power Source	Corded Electric (Receiver), AA Batteries (Microphones)
Number of Batteries	8 AA batteries required (2 per microphone)
Signal-to-Noise Ratio	90 dB
Number of Channels	4
Frequency Response	20 KHz
Frequency Range	520-550 MHz
Audible Noise	90 Decibels
Item Weight	3.99 Kilograms
Enclosure Material	Metal

8. WARRANTY & SUPPORT

8.1. Warranty Information

The SGPRO 4-Channel Wireless Microphone System SG-400F comes with a**90-day warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as intended under normal use. Please retain your proof of purchase for warranty claims.

8.2. Customer Support

For any questions, technical assistance, or warranty claims, please contact SGPRO customer support. Our team is committed to providing timely support, with all questions typically answered within 12 hours. Please refer to the contact information provided with your product packaging or visit the official SGPRO website for the most up-to-date support details.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Email

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question