

PQRQP S20

PQRQP S20 Wireless Microphone System User Manual

Model: S20

INTRODUCTION

The PQRQP S20 Wireless Microphone System is designed to provide high-quality audio recording for various applications, including vlogging, streaming, interviews, and content creation. This system features dual transmitters, a receiver with a smart touchscreen, and a portable charging case, offering professional-grade sound with AI noise cancellation and extensive compatibility.

This manual provides detailed instructions for setting up, operating, and maintaining your PQRQP S20 Wireless Microphone System to ensure optimal performance and longevity.

WHAT'S IN THE BOX

Please verify that all items listed below are included in your package:

- Transmitter (TX) × 2
- Receiver (RX) × 1
- Charging Case × 1
- Lightning Connector Adapter × 1
- USB-C to USB-C Data Cable × 1
- USB-C Adapter × 1
- Clip Magnet × 2
- Fur Windshield × 2
- 3.5mm TRS Audio Cable × 1
- Charging Cable × 1
- User Manual × 1

- Carrying Pouch × 1

Combo

- Transmitter x 2
- Receiver x1
- Charging Case x 1
- USB-C Adapter x1
- Lightning connector adapter x 1
- Magnet x 2
- Fur Windshield x2
- Carrying Pouch x1
- 3.5 mm TRS to TRS Audio Cable x 1
- USB-C to USB-C Data Cable x1



Image: Complete contents of the PQRQP S20 Wireless Microphone System package.

SETUP INSTRUCTIONS

1. Charging the System

Before initial use, fully charge the transmitters, receiver, and charging case. Place the transmitters and receiver into the charging case. Connect the charging case to a power source using the provided USB-C charging cable. The charging case provides up to 48 hours of extended use for the microphones.

AI Noise Reduction

Effectively suppress sudden noises, enhance the performance of the human voice.



Image: The PQRQP S20 charging case with transmitters and receiver inside.

2. Connecting to Your Device

The PQRQP S20 receiver is compatible with various devices:

- **For iPhone (Lightning port):** Plug the Lightning connector adapter into the receiver, then plug the receiver into your iPhone's Lightning port.
- **For Android (USB-C port):** Plug the USB-C adapter into the receiver, then plug the receiver into your Android device's USB-C port.
- **For DSLR Camera/PC (3.5mm port):** Connect the 3.5mm TRS audio cable from the receiver's 3.5mm output to your camera's microphone input or PC's audio input.

The system is plug-and-play; no additional apps or Bluetooth pairing are required for basic operation.

Vast Compatibility

This microphone's receiver is equipped with USB-C, Lightning and 3.5mm TRS interfaces, thus being compatible with most of devices and apps available on the market.



Image: The PQRQP S20 receiver demonstrating compatibility with smartphones, laptops, and cameras.

3. Attaching the Microphones (Transmitters)

The transmitters can be attached using the integrated clip or the magnetic clip:

- **Clip-on:** Use the built-in clip to attach the transmitter to clothing, such as a collar or lapel.
- **Magnetic:** For discreet placement, use the provided magnetic clip to secure the transmitter under clothing.

Attach the fur windshields to the transmitters when recording in windy conditions to minimize wind noise.

Thumb-sized and Ultra-light

Compact design slides effortlessly into pocket, bags.



Image: Demonstrates various ways to wear the PQRQP S20 transmitter, including clip-on and magnetic attachment.

OPERATING INSTRUCTIONS

1. Power On/Off

To power on the transmitters and receiver, simply remove them from the charging case. They will automatically power on and attempt to pair. To power off, place them back into the charging case or long-press the power button on each unit.

2. Smart Touchscreen Interface (Receiver)

The receiver features a 0.96-inch OLED touchscreen for intuitive control and monitoring. Swipe to access settings and view:

- Battery status of both transmitters and the receiver.
- Connection status.
- Audio levels.
- Current recording mode (Mono/Stereo/Safety Track).
- Noise cancellation mode.



Image: A hand interacting with the PQRQP S20 receiver's touchscreen, showing battery and audio levels.

3. Noise Cancellation Modes

The S20 offers dual AI noise cancellation modes:

- **Basic Mode:** Ideal for quiet indoor environments, providing clear audio without aggressive noise reduction.
- **Strong Mode:** Effectively suppresses background noise in loud settings, such as outdoors or in crowded areas.

Switch between modes via the touchscreen or dedicated function button on the transmitter to adapt to your recording environment.



Image: Visual representation of the PQRQP S20's dual-core DSP and AI noise reduction capabilities.

4. Recording Modes

The system supports three recording modes for creative flexibility:

- **Mono Mode:** Combines both transmitter audio into a single channel.
- **Stereo Mode:** Records each transmitter's audio to a separate channel (left and right), allowing for post-production mixing.
- **Safety Track Mode:** Records a secondary audio track at -6dB lower than the main track. This acts as a backup to prevent clipping or distortion if the main audio levels become too high.

Switch between these modes using the receiver's touchscreen or the function button on the transmitter.

Easy Configuration Hassle-Free Control



Image: Illustration of the mono, stereo, and safety track recording options available on the PQRQP S20.

5. Gain Control

Adjust the audio input gain using the rotary control on the transmitter. This allows you to fine-tune the microphone's sensitivity to match your recording environment and speaker's voice, preventing audio that is too quiet or too loud.

Multiple Wearing Options Comfortable and Unrestricted

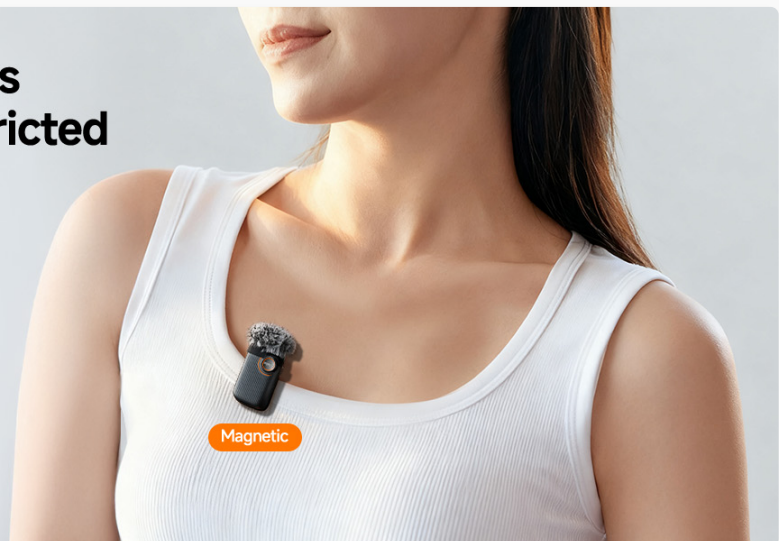
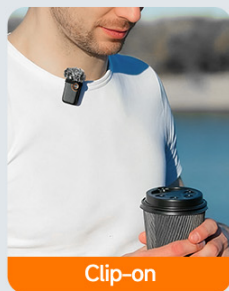


Image: Close-up of the PQRQP S20 transmitter, highlighting the power button, function button, and rotary gain control.

6. Wireless Range

The PQRQP S20 offers a stable wireless transmission range of up to 820 feet (250 meters) in open environments, utilizing 2.4GHz technology for ultra-low latency. This allows for significant mobility during recording without compromising audio quality.



Charging Case x 1



Lightning connector adapter x 1



USB-C to USB-C Data Cable x1



Transmitter x 2



Magnet x 2



Fur Windshield x2



USB-C Adapter x1



3.5 mm TRS to TRS Audio Cable x 1



Receiver x1



Bag x1



Carrying Pouch x1

Image: A visual representation of the PQRQP S20's 820ft (250m) long-range wireless transmission capability in an outdoor setting.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the microphone transmitters, receiver, and charging case. Avoid using liquid cleaners or solvents.
- **Storage:** Store the system in its charging case when not in use to protect it from dust and damage, and to keep it charged.
- **Battery Care:** For optimal battery life, avoid fully discharging the units frequently. Charge them regularly, even

if not in constant use.

- **Windshields:** Clean fur windshields gently by shaking or using a soft brush to remove debris. Do not wash them with water.

TROUBLESHOOTING

No Sound or Low Volume

- Ensure the receiver is securely connected to your recording device.
- Check that both transmitters and the receiver are powered on.
- Verify the audio input settings on your recording device (camera, smartphone, PC) are correctly configured to use the external microphone.
- Adjust the gain control on the transmitter to increase the input volume.
- Check the battery levels of all units on the receiver's touchscreen.

Poor Audio Quality / Background Noise

- Ensure the transmitter is positioned correctly, close to the sound source.
- Activate the 'Strong' AI noise cancellation mode in noisy environments.
- Attach the fur windshields when recording outdoors or in windy conditions.
- Check for potential interference sources (e.g., other 2.4GHz devices) and try to move away from them.
- If experiencing clipping, switch to Safety Track mode or reduce the gain on the transmitter.

Connection Issues

- Ensure transmitters and receiver are within the specified operating range (up to 820ft/250m).
- Confirm that all units are fully charged.
- Power cycle the transmitters and receiver by turning them off and on again.
- Avoid physical obstructions between the transmitters and receiver that could block the signal.

SPECIFICATIONS

Feature	Specification
Brand	PQRQP
Model Name	S20
Connectivity Technology	Wireless (2.4GHz)
Connector Type	Lightning, USB Type-C, 3.5mm TRS
Compatible Devices	Camera, Laptop, Smartphone
Special Features	1-Touch Recording, Battery Indicator Light, Clip, AI Noise Reduction, Volume Control, 0.96-inch Smart Touchscreen
Polar Pattern	Omnidirectional
Audio Sensitivity	115 Decibels

Microphone Form Factor	Lavalier
Power Source	Battery Powered
Signal-to-Noise Ratio	85 dB
Frequency Range	20Hz-20KHz
Audio Sampling Rate	48kHz/24-bit
Wireless Range	820ft (250m)
Battery Life (Transmitter)	Up to 8 hours
Total Battery Life (with Charging Case)	Up to 48 hours
Item Weight	7.23 Ounces
Item Dimensions	4.58 x 1.77 x 2.38 inches

WARRANTY INFORMATION

PQRQP products typically come with a limited manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official PQRQP website for specific warranty terms and conditions. Keep your proof of purchase for any warranty claims.

SUPPORT

For further assistance, technical support, or customer service inquiries, please visit the official PQRQP store on Amazon or their dedicated support website. You can find the PQRQP store at: [PQRQP Amazon Store](#).