



Powerology

PURE Q1 AI Noise-Cancelling Microphone

SKU: PWS20BK

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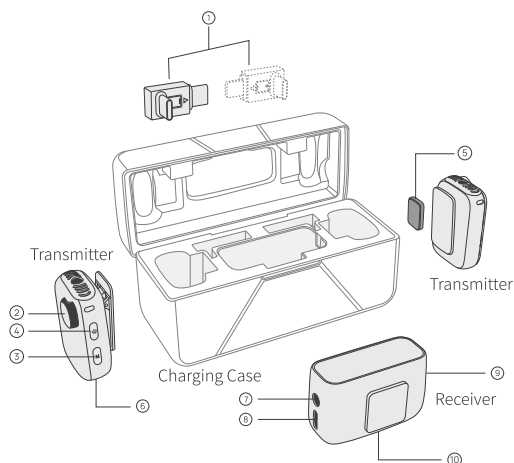
Product Introduction

The Powerology PURE Q1 AI Noise-Cancelling Microphone is a wireless dual-transmitter and receiver system designed for content creators, vloggers, podcasters, and live performers. With advanced AI noise cancellation, up to 250m of transmission range, multi-scene reverb modes, Bluetooth background music streaming, and a portable charging case, it delivers crystal-clear audio for smartphones, cameras, and laptops in virtually any environment.



Structural Diagram

The PURE Q1 system consists of two Transmitters, a Receiver, and a Charging Case. The Transmitter houses the microphone, controls, and clip, while the Receiver plugs into your device via the appropriate adapter to deliver audio.



- | | |
|----------------------|--------------------------------------|
| ① Adapter (Optional) | ② Gain Button |
| ③ Function Button | ④ Power Button |
| ⑤ Magnet(Optional) | ⑥ Charging&Monitoring Port |
| ⑦ 3.5mm Port | ⑧ Charging&Monitoring Port |
| ⑨ Power Button | ⑩ Output Port (connect to the phone) |

Package Contents

1. 1x Charging Case
2. 2x Transmitter
3. 1x Receiver
4. 2x Phone Adaptors
5. 2x Windscreener
6. 2x Clip Magnets
7. 1x USB-A to USB-C Charging Cable
8. 1x 3.5mm TRS Cable

Safety Information

Warning:

1. Do not disassemble, crush, or puncture the built-in batteries — damaged lithium cells can leak, overheat, or catch fire.
2. Charge the transmitters, receiver, and charging case only with a compliant USB-C power source at the rated input voltage.
3. Stop using the product immediately if it emits smoke, unusual odor, excessive heat, or a swollen battery.
4. Do not expose the microphones, receiver, or charging case to rain, moisture, or liquids — this product is not water resistant.
5. Keep the product away from open flames, radiators, and other heat sources to avoid battery damage.
6. Do not use earphone monitoring at high volume for long periods — prolonged exposure to loud sound can damage your hearing.
7. Do not use the product while driving, cycling, or in any situation where situational awareness is required.
8. Keep small parts such as windscreens, clip magnets, and adaptors away from young children — choking hazard.
9. Keep the magnetic clips away from pacemakers, medical implants, credit cards, and other magnetic-sensitive items.

Attention:

1. Stop using the product if you experience skin irritation or discomfort from prolonged contact.
2. Keep the charging port clean and dry before inserting the USB-C cable.
3. Charge and store the product within the stated operating temperature range.
4. Store the transmitters and receiver in the charging case when not in use to protect them from dust and damage.
5. Clean the microphones and receiver with a soft, dry cloth; do not use solvents or abrasive cleaners.
6. Fully charge the batteries before long-term storage and recharge periodically to preserve battery health.



Usage & Operation

1. Charging the Devices

Place the Transmitters and Receiver into the Charging Case; they will begin charging automatically.

Connect the supplied USB-A to USB-C cable to the Charging Case's USB-C port and to a 5V power adapter.

A full charge takes approximately 1.5 hours for the Transmitter/Receiver and 2 hours for the Charging Case.

When a smartphone's battery is low, you can charge the smartphone through the Receiver's charging port.

2. Connecting to a Smartphone

Select the correct Phone Adaptor for your device (USB-C or Lightning).

Note the direction of the adapter — the arrow marked 'Phone' faces the phone and 'Receiver' faces the Receiver.

Insert the adapter into the Receiver, then plug the Receiver into your phone.

Power on the Transmitter with the Power Button (**4**); it will auto-pair with the Receiver.

Open your recording or streaming app and begin capturing audio.

3. Connecting to a Camera or Laptop

Connect the 3.5mm TRS cable between the Receiver's 3.5mm output and your camera or laptop microphone input.

Power on the Transmitter using the Power Button (**4**) and the Receiver.

Wait for auto-pairing to complete (indicated on the Receiver's touchscreen).

Adjust input levels on your camera or laptop as needed.

4. Using Noise Cancellation, Reverb & Voice Effects

Tap the Mode Button (**3**) on the Transmitter to enable One-Touch Noise Cancellation.

Use the Receiver's touchscreen to select a reverb mode: default, karaoke, or live.

Choose a voice effect (male, female, beautify, or monster) from the Receiver menu.

Adjust microphone gain using the Gain Button (**2**) on the Transmitter.

5. Bluetooth Background Music

Enable Bluetooth on your source device (phone, tablet, or laptop).

On the Receiver's touchscreen, activate Bluetooth BGM mode.

Pair with 'device via ' in your device's Bluetooth list.

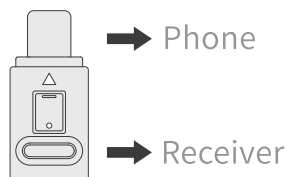
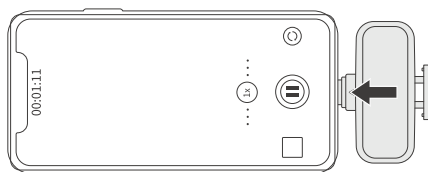
Play music from your device — it will stream through the Receiver alongside your voice.

Balance music and voice levels from the Receiver's touchscreen.

Receiver Touchscreen Display

The Receiver features a 0.96" touchscreen that shows the current mode, transmitter signal strength, battery levels, and audio input meters. Tap the icons on the display to switch modes and adjust settings on the fly.

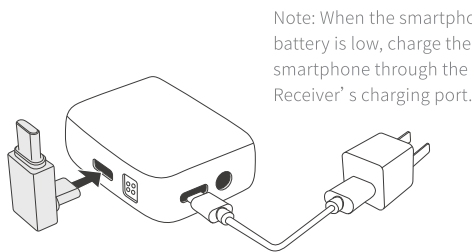
When connecting, please note the direction of the adapter.



Specifications

Input	DC 5V
Touchscreen Display	0.96"
Frequency Response	20Hz-20kHz
Transmission Range	250m Max
Sensitivity	-36dB
Signal-to-Noise Ratio	85dB
Maximum SPL	115dB
Charging Interface	USB-C
Microphones: Battery Capacity	180mAh
Microphones: Working Time	5.5h
Microphones: Charging Time	1.5h
Microphones: Product Weight	24.5g
Microphones: Product Size	29 × 19.4 × 45.7mm
Receiver: Battery Capacity	300mAh
Receiver: Working Time	7.5h (Bluetooth BGM On), 4.5h (Bluetooth BGM Off)
Receiver: Charging Time	1.5h
Receiver: Product Weight	25g
Receiver: Product Size	46.9 × 20.2 × 32.7mm

Charging Case: Battery Capacity	1450mAh
Charging Case: Charging Time	2h
Charging Case: Product Weight	152.2g
Charging Case: Product Size	115.5 × 44.4 × 44.4mm
Model Number	PWS20



Note: When the smartphone's battery is low, charge the smartphone through the Receiver's charging port.



Scan the QR code to get video and other support.

Key Features

1. Crystal Clear Audio & Noise Cancellation — advanced AI noise cancellation eliminates background distractions for professional-grade sound.
2. Up to 250m Transmission Range — move freely with uninterrupted audio, ideal for large spaces and outdoor use.
3. Long Battery Life — up to 5.5 hours per Transmitter and 7.5 hours on the Receiver with BGM.
4. Bluetooth Background Music Streaming — wirelessly stream music from your Bluetooth device directly to the Receiver.
5. Multi-Scene Reverb Modes — choose from default, karaoke, or live reverb.
6. Fun Voice Effects — male, female, beautify, or monster voices.

7. Earphone Monitoring — bidirectional monitoring supported by both Transmitter and Receiver.
8. Instant Auto Pairing — plug-and-play design for hassle-free setup.
9. Universal Compatibility — works with smartphones, cameras, laptops, and more.
10. Portable Charging Case with USB-C charging port.

Maintenance Tips

1. Care & Storage

Wipe the Transmitters, Receiver, and Charging Case with a soft, dry cloth; avoid liquids or solvents.

Attach the Windscreeners when recording outdoors to reduce wind noise and protect the microphone capsule.

Store the components inside the Charging Case when not in use to prevent damage and keep them charged.

Keep the product away from direct sunlight, moisture, and dusty environments.

Do not drop or apply strong pressure to the devices, as this may damage internal components.

Charge the Charging Case at least every 3 months during long-term storage to preserve battery health.

Use only the supplied USB-C cable or a certified 5V adapter to charge.

Remove the Phone Adaptors carefully to avoid bending the connector pins.

Frequently Asked Questions

1. How far can I move from the Receiver while recording?

The Transmitter has a maximum range of 250m (approx. 820 ft) in open, line-of-sight conditions. Walls and obstacles will reduce this distance.

2. Can I use both Transmitters at the same time?

Yes. The PURE Q1 supports dual-channel recording — both Transmitters pair automatically with the Receiver for two-person interviews, dialogue, or duets.

3. Which devices are compatible with the PURE Q1?

The Receiver connects to USB-C and Lightning smartphones via the included adapters, and to cameras or laptops via the 3.5mm TRS cable.

4. How long does a full charge last?

Each Transmitter runs for about 5.5 hours per charge. The Receiver lasts up to 7.5 hours (Bluetooth BGM on) or 4.5 hours (Bluetooth BGM off). The Charging Case provides multiple additional recharges.

5. Can I charge my phone from the Receiver?

Yes. When the smartphone's battery is low, you can charge it through the Receiver's charging port using the appropriate cable.

6. Do the microphones pair automatically?

Yes. The Transmitters and Receiver feature Instant Auto Pairing — simply power them on and they will connect within a few seconds.

Troubleshooting

Problem	Likely Cause	Solution
Transmitter won't power on	Battery depleted	Place the Transmitter in the Charging Case for at least 30 minutes, then try again.
Receiver not detected by phone	Adapter inserted incorrectly	Check the arrow direction on the adapter — 'Phone' toward the phone, 'Receiver' toward the Receiver — and reinsert.
No audio recorded	App not set to external microphone	In your recording or streaming app, select the external microphone as the audio input source.
Weak or distorted sound	Gain set too low or too high	Adjust the Gain Button ({{ 2 }}) on the Transmitter for balanced input.
Auto pairing fails	Transmitter and Receiver out of range or interference	Bring the Transmitter closer to the Receiver, power both off and on, and allow them to re-pair.
Background noise still audible	Noise cancellation not enabled	Tap the Mode Button ({{ 3 }}) to activate One-Touch Noise Cancellation.

Problem	Likely Cause	Solution
Bluetooth music won't stream	BGM mode not activated on Receiver	Enable Bluetooth BGM mode on the Receiver's touchscreen and re-pair the source device.
Short battery life	Bluetooth BGM left on continuously	Turn Bluetooth BGM off when not needed to extend Receiver runtime up to 7.5 hours.
Charging Case not charging devices	Case battery is depleted	Recharge the Charging Case via USB-C for approximately 2 hours before use.
Static or dropouts during recording	Obstructions or interference in signal path	Move to a clearer line-of-sight position, away from Wi-Fi routers and metal objects.
Touchscreen not responding	Firmware freeze	Power the Receiver off and on again; if the issue persists, allow the device to fully discharge and recharge.
Wind noise on outdoor recordings	Windscreener not attached	Fit the supplied Windscreener over the Transmitter's microphone capsule.

Disposal

This product must not be disposed of as unsorted household waste. It is important to separate such waste for proper treatment and recycling, in compliance with local waste management regulations.

Warranty

Products that you buy directly from our Powerology website or shop come with a 24-month warranty.

The 24-month warranty applies to products purchased directly from our Powerology website or store. If Powerology products are bought from any of our verified retailers, then the product is eligible for only a 12-month warranty. To extend your product's warranty, visit our website www.powerology.me/warranty and fill in your details in the provided form along with an uploaded picture of the product to process your request. Once approved, you will receive a confirmation email of the extended product warranty. Upload the required information within 48 hours of purchase to be eligible for a 24-month warranty period.

For more info, please check: www.powerology.me/warranty

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