Black Pearl User Manual

I. Basic Product Information (Required)

- Product Name: TRN Black Pearl
- Brand/Model: TRN
- SKU: Black Pearl
- Product Dimensions: [Length: 10.5cm, Width: 6cm, Height: 3cm]
- Material/Composition: [Metal chassis, Tempered glass panel]
- Color/Specification: [Black (Actual color may vary)]
- Weight: [87.5g]

II. Key Features

1. Dual CS43131 high-performance DAC chips for precise audio detail reproduction.
2. Supports high-resolution audio formats: PCM 384kHz/32bit and DSD64/DSD128/DSD256.
3. Dual output interfaces: 3.5mm single-ended and 4.4mm balanced, compatible with various headphones.
4. Maximum Output Power: 125mW for 3.5mm single-ended, 320mW for 4.4mm balanced.
5. Supports recording and call functions with a built-in microphone.
6. Flexible 8-band EQ adjustment via the WALK PLAY APP for personalized sound tuning.
7. Three-color LED indicator for clear status indication (Blue: Standby, Green: PCM, Red: DSD).

III. Functions & Usage Instructions

- Main Functions: [High-fidelity audio decoding/amplification, Recording, Calls, EQ adjustment]
- Operating Steps:
    1. Connect the Black Pearl's USB-C interface to your phone, computer, or other devices.

2. Insert your headphones into the 3.5mm or 4.4mm jack.
3. The device will be automatically recognized and begin playing audio.
4. Adjust volume using your device's volume keys or the media player controls.
5. To adjust EQ, download the WALK PLAY APP for configuration.

- Usage Scenarios:
  1. Mobile Hi-Fi Listening: Connect to your smartphone for high-fidelity audio quality.
  2. Gaming: Enhance sound positioning for a better gaming experience.
  3. Mobile Video Watching: Improve audio quality for videos.
  4. Recording & Calls: Capture clear audio details.
- Precautions:
  1. Use the original or certified data cable for connection to ensure stable power supply.
  2. Avoid prolonged use at high volume to protect your hearing.
  3. Keep the interfaces clean and avoid liquid ingress.
  4. It is recommended to play a burn-in track for initial use.

IV. Specifications

- DAC Chip: Dual CS43131
- Supported Formats: PCM 384kHz/32bit, DSD256
- Output Interfaces: 3.5mm single-ended, 4.4mm balanced
- Output Power: 125mW@32Ω for 3.5mm, 320mW@32Ω for 4.4mm
- Signal-to-Noise Ratio (SNR): >121dB
- Total Harmonic Distortion (THD+N): <0.00015%
- Weight: 25g
- Operating Temperature: 0℃ to 40℃

V. Safety Warnings & Important Notes

⚠ Do not use in damp or dusty environments.

⚠ Avoid strong impact or crushing.

⚠ When charging, use a 5V/1A or lower rated adapter.

⚠ If the device exhibits abnormal heating, unusual odor, or malfunctions, stop use immediately and contact after-sales service.

- This product is not suitable for use by children alone.

VI. After-Sales Service & Support

- Warranty Period: This product is covered by a limited quality warranty of **6 months** from the date of receipt (excluding damage caused by human factors).
- Warranty Coverage: Covers defects in materials or workmanship leading to connection failure, internal wire breakage, etc. (Damage caused by human factors is the responsibility of the user).
- After-Sales Process: [e.g., "Contact customer service → Provide order number/description of issue with video or photo evidence → Return for inspection → Repair/Replacement"]
- Return & Exchange Policy: [e.g., "Returns/exchanges accepted within 7 days of delivery if the product is in resalable condition. Buyer bears shipping costs for non-quality-related issues."]

VII. Shipping & Delivery

- Ship From: [Dongguan, China]
- Processing Time: Within 48 hours after payment.
- Shipping Method: AliExpress Standard Shipping, estimated delivery 15-30 days.
- Customs/Duties: Import duties/taxes at the destination country are the buyer's responsibility. We can assist with customs clearance if needed.

VIII. Frequently Asked Questions (FAQ)

Q1: What devices is the Black Pearl compatible with?

- A: Compatible with smartphones, tablets, computers, and other devices with a USB-C interface. Some devices may require an OTG adapter

cable.

Q2: How to distinguish between PCM and DSD operation modes?

- A: The indicator light shows Green for PCM mode, Red for DSD mode, and Blue for Standby mode.

Q3: Does the Black Pearl require driver installation?

- A: Most devices are plug-and-play and do not require drivers. To use the APP EQ function, please download the WALK PLAY APP.

- **Q4: What is the battery life of the Black Pearl?**
  - A: The Black Pearl is a passive device, not a portable Bluetooth amplifier. It draws power from the connected device, requires no separate charging, and therefore has no battery life limitation.