



V 1.0 - 102024

Airphonic Series - TWS05



Presenting the Airphonic Series - TWS05, designed for an unparalleled audio experience with HiFi sound quality and bass surging capabilities. Enjoy crystal-clear communication with a 10-meter range powered by Bluetooth 5.3 for stable connectivity. The Type-C charging ensures quick and efficient power-ups, offering up to 20 hours of battery life. With noise reduction technology, every audio is crisp and clear. Crafted with food-grade silicone ear tips, these earbuds are light, comfortable, and perfect for extended wear.

Product Features

- Bluetooth 5.3 Connectivity:**
 Stable wireless connection with support for TWS (True Wireless Stereo) technology.
- IPX4 Waterproof Rating:**
 Water-resistant design suitable for workouts and outdoor use.
- Long Battery Life:**
 Up to 8 hours of music playtime, 4 hours of talk time, and 180-day standby time with the charging box.
- Voice Assistant:**
 Seamless integration with voice assistants (Google Assistant, Siri, etc.).
- App Connectivity:**
 Manage settings, updates, and control through a dedicated mobile app.

General Specifications

Earphone Specifications

Material: ABS+PC

Waterproof Level: IPX4

Bluetooth Chipset: AD6976D8 with ENC (Dual Mics)

Bluetooth Version: 5.3

Driver Size: Ø13mm

Driver Material:

- **Composite membrane:** PEEK + TPU

Sensitivity: 120.0dB±3dB

Antenna: Ceramic Antenna

Bluetooth Distance: ≥10 meters

Battery Capacity: 40mAh

Charging Time: 1.5 hours

Playing Time: 8 hours

Talking Time: Around 4 hours

Additional Features: Shipping Mode, APP Connection Supported

Earphone Charging Box Specifications

MCU Charging Management: ip5516

Hall Switch: Detects cover action, digital display screen shows power of the charging box and earphones

Display Screen: Power indicator for earphones and charging box

Protection Features: OVP (Over Voltage Protection) and OCP (Overcurrent Protection)

Battery Capacity: 420mAh

Charging Time: 2 hours

Standby Time: 180 days

Charging Cycles: 4 times

Charging Port: Type-C

Charging Box Functional Instructions

No.	Function	Indicator
1	Power Display	Shows 0-100% based on battery voltage
2	Charging Status	LED display flashes during charging, stays on when fully charged
3	Earphone Charging Detection	Corresponding L/R light stays on for 5-10s when earphones are placed in the box
4	Low Battery Alarm	LED1 light flashes for 10s when power < 3.3V or 3.1V
5	0V Charging Support	Supports charging from 0V

Earphone Functions & Operation

No.	Function	Operation	Voice Prompt	Indicator
1	Power On	Hold earphone for 5s or open charging box	Power on	White light flashes 3 times
2	Power Off	Hold earphone for 5s or place earphones in charging box	Power off	White light flashes 3 times
3	TWS Pairing Mode	Left and right earphones pair automatically within 6 minutes	-	White light on earphone flashes
4	First-time Pairing with Phone	Open charging box or manually power on earphones and search for "L03" on phone	Connected	-
5	Pairing with Phone Mode	After TWS pairing, the master earphone enters mobile pairing mode	-	White light on master flashes
6	Master/Slave Switchover	Placing master in the box switches control to slave	-	-
7	Disconnect from Phone	Manually disconnect Bluetooth on the phone	Disconnected	White light on master flashes
8	Voice Assistant Activation	Triple click on either earphone to activate voice assistant	-	-
9	Answer Call	Double-click either earphone	-	-
10	Music Control (Play/Pause)	Double-click either earphone	-	-
11	Volume Control	Single click right for Volume +, left for Volume -	-	-
12	Track Control	Hold left earphone for 2s to go to the previous track, right for next track	-	-
13	Low Power Alarm	Battery < 3.5V, alarm every 30s	Please charge	-
14	Low Power Shutdown	Turns off when battery < 3.2V	Power off	White indicator flashes 3 times
15	Earphone Charging	Charges automatically when placed in charging box	-	White light stays on until charged

Ordering Information

Airphonic Series - TWS05

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PPL-APS-WLM06

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