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ARCUS300S

TWS DUAL MODE GAMING EARBUDS

USER GUIDE



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INTRODUCTION

Thank you for choosing the ARCUS300S, Primus' new dual mode gaming earbuds with True Wireless Stereo and Active Noise Cancellation, specially designed for hard-core gamers who delight in perceiving every detail while immersed in the soundscapes of adrenaline-loaded videogames. Connect the earbuds to the console or gaming device of your choice using their advanced Bluetooth®-compatible wireless technology, with faster transmission rates, stronger connection stability, and longer range, or via the 2.4GHz USB/USB-C® dongle for a significantly lower latency to sync yourself to the action. Fully focus, rely on the touch-sensitive buttons to control every function, delve into the deepest audio layers, and get thrilled by the most realistic sound effects delivered in brilliant audio. It feels as if you were there.

Before getting lured by the fantastic journey that awaits you, we encourage you to thoroughly read this user guide so you can make the most of the ARCUS300S.

Highlights

- TWS gaming earbuds
- Dual connection mode: Bluetooth® v5.4-compatible wireless or 2 in 1 dongle (USB-C® + USB-A) for 2.4 GHz low latency audio streaming.
- Compatible with PC, PlayStation® and Nintendo Switch™
- 20 hours of total run time, including charging cycles.
- Active Noise Cancellation (ANC) and Environmental Noise Cancellation (ENC) technologies for an enhanced experience during on-line gaming and phone calls..
- The LCD display on the charging case shows the battery status of each earbud while charging.
- Touch control buttons to go through your playlist, switch between audio and gaming modes, answer phones calls and interact with the voice assistants.

Package content

- | | |
|-------------------------------|-------------------------------|
| • TWS gaming earbuds | (2) |
| • Portable charging case | (1) |
| • 2 in 1 USB dongle | (1) |
| • USB-C® charging cable | (1) |
| • Silicone ear tips (S, M, L) | (3 pairs S, M, and L sizes) |



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PRODUCT OVERVIEW



1. Silicon tips

2. Earbud magnetic contacts

3. Charging case

4. LED indicator

5. Touch control button

6. Microphone

7. LCD display for earbuds battery status

8. USB-C® charging port

9. 2.4 GHz USB dongle for wireless audio streaming

10. Detachable dongle for USB-C®-enabled devices

11. Dongle LED light status indicator



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BASIC OPERATION

1. Pairing the earbuds

1.1 Auto Pairing

When you take the earbuds out of the charging case they will automatically turn on, sync together and enter pairing mode. The light indicators on the earbuds will flash while on pairing mode and will turn off when pairing is successfully completed.

Note: If the earbuds do not sync together or if they disconnect during use, turn them off, and then turn them back on. If that does not work, follow these steps:

a): Place both earbuds back into the charging case. Close the case, and then open it again.

c): Once out of the charging case, press the touch control button on both earbuds 5 times. This will force the earbuds to automatically turn off. Turn on the earbuds again and they will be sync'd with each other.

1.2 Go to the Bluetooth® settings interface on your smart device, scan for PWH-300 and click it.

1.3 Switching between Bluetooth® and 2.4GHz low latency connection modes.

When the earbuds are turned on, they will be in Bluetooth® connection mode by default.

To switch them to 2.4GHz wireless connection mode, insert the USB 2.0 dongle or the detachable USB-C® dongle into the corresponding port of a compatible device (smartphone/PC/tablet/iPad®, etc.). The earbuds will automatically switch to 2.4GHz connection mode.

Note: The device must be turned on, and the Bluetooth® function must be enabled.

2. Turning the earbuds on/off.

2.1 Using the charging case:

Take the earbuds out of the charging case to automatically turn them on; put the earbuds back in the charging case to automatically turn them off.

2.2 Using the touch control button:

Press the touch control button on any earbud for 3 seconds to turn it on; press the touch control button for 5 seconds to turn it off.

3. Music playback.

3.1 When listening to music:

Tap the touch control button on either earbud to pause or resume playback.

Quickly double tap the touch control button on the left earbud to go to the previous song.

Quickly double tap the touch control button on the right earbud to go to the next song.

4. Enabling/disabling ANC mode

When you take the earbuds out of the charging case, they will be in Bluetooth mode by default. Follow these steps to cycle through Transparency, ANC, and ANC off modes:

- While on Bluetooth mode, press the touch control button on the right earbud for 2 seconds to switch to Transparency mode.
- While on Transparency mode, press the touch control button on the right earbud for 2 seconds again to switch to ANC mode.
- While on ANC mode, press the touch control button on the right earbud for 2 seconds to turn ANC mode off.

5. Enabling/disabling GAME mode

When you take the earbuds out of the charging case, they will be in Music mode by default. Follow these steps to switch between Game and Music modes:

- While on Music mode, press the touch control button on the left earbud for 2 seconds to switch to Game mode.
- While on Game mode, press the touch control button on the left earbud for 2 seconds again to switch to Music mode.

6. Managing phone calls

During an incoming call:

- Tap the touch control button on either the left or the right earbud to answer the call.
- Tap again to hang up.
- Quickly double tap the touch control button on either earbud to reject the call.

Note: As soon as a call ends or you hang up, music playback will resume automatically.

7. Voice assistant

Quickly tap the touch control button on either earbud three times to activate the voice assistant.

8. Charging the earbuds

We recommend you fully charge your ARCUS300S using the provided USB-C® cable before first use.

The 4-bar graphic indicators on the LCD display of the charging case show the battery status of both left (L) and right (R) earbuds individually. The number at the center shows the battery charge percentage of the case.

It takes around 1.5 hours to fully charge each earbud. The total combined charging time of the case and earbuds is 3 hours.



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TECHNICAL SPECIFICATIONS

DEVICE		PWH-300
TYPE	TWS earbuds	
FORM FACTOR	In-ear earphone	
BLUETOOTH® VERSION AND CHIPSET	V5.4+BR+EDR+BLE	
FREQUENCY RESPONSE	20Hz-20KHz	
SIGNAL-TO-NOISE RATIO	80dB	
MAXIMUM POWER OUTPUT (RMS)	5mW	
DC INPUT	5V/500mA	
BUTTONS	Touch control button (one on each earbud)	
GAME/MUSIC MODE	Yes	
SPEAKER		
DRIVER UNIT	10mm	
MAXIMUM POWER OUTPUT (RMS)	5mW	
FREQUENCY	20Hz-20KHz	
IMPEDANCE	32Ω±15% at 1mW / 1000Hz	
SENSITIVITY	Speaker unit: 121±1.5dB S.P.L at 1KHz	
MICROPHONE		
DIRECTIVITY	Omnidirectional	
SIGNAL TO NOISE RATIO	59dB(A)	
OUTPUT IMPEDANCE	200Ω @ 1 kHz	
SENSITIVITY	42±1dB	
CONNECTIVITY		
CONNECTION TYPE	Bluetooth®-compatible wireless 2-in-1 USB/USB-C® dongle	
WIRELESS RF FREQUENCY	2.402GHz-2.480GHz	
WIRELESS RANGE	32-50 m*	
BATTERY		
BATTERY TYPE (MAH)(CASE)	Lithium polymer - 300mAH	
BATTERY TYPE (MAH)(EARBUDS)	Lithium polymer - 40mAH	
CHARGING TIME	Charging case + Earbuds	3 h total
	Earbud battery only	1.5 h
	Charging case battery only	2 h
NUMBER OF CHARGING CASE CYCLES BEFORE BATTERY RUNS OUT	2.5 cycles	
EARBUD ONLY BATTERY RUNTIME **	- 6 h 30 min at 100% volume with ANC Off - 7 h 30 min at 50% volume with ANC Off - 5 h 30 min at 100% volume with ANC On - 6 h at 50% volume with ANC On	
EARBUDS TOTAL RUNTIME (INCLUDING CYCLES)	20 h **	
BATTERY STANDBY TIME	200 days	
BATTERY CHARGING METHOD	Type-C® charging cable	
2-IN-1 USB DONGLE		
ADAPTER TYPE	2-in-1 USB dongle: USB + USB-C®(detachable)	
LIGHT INDICATOR	Yes	
LATENCY DELAY IN BLUETOOTH® MODE	80 msec.	
LATENCY DELAY IN USB ADAPTER MODE	30 msec.	
SPECIFICATIONS		
PRODUCT DIMENSIONS (WXHxD)	1.81 x 2.28 x 0.98 in	
PRODUCT WEIGHT	0.01 oz	
CHARGING CABLE LENGTH	1.64 ft	
PACKAGE CONTENTS	TWS earbuds Charging case Charging cable 2-in-1 USB dongle User guide	
WARRANTY	2 years	

* Wireless range estimate is based on an area free and clear of obstacles and interference, and within the line of sight between devices.

** Estimated battery run time may vary depending on the volume settings and the type of audio files being played.



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PROPER CARE

1. Troubleshooting

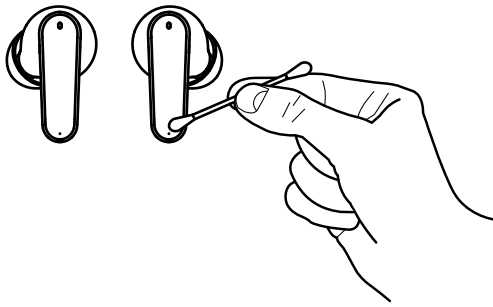
If you cannot connect the headset to your phone, do as follows:

- Ensure that the headset is charged, switched on, paired with, and connected to your phone.
- Ensure that the Bluetooth® feature is activated on your phone.
- Check that the headset is within 30 feet of your phone and that there are no obstructions between the headset and the phone, such as walls or other electronic devices.

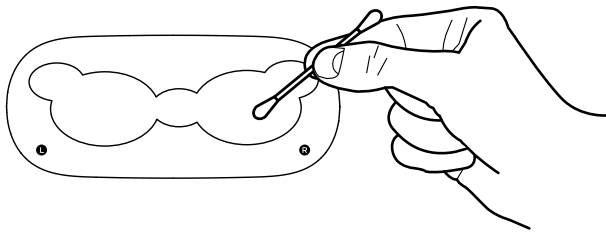
2. Cleaning the device

Use a clean cotton swab slightly moistened with alcohol to:

1. Remove earwax and dirt from the ear tips on your earbuds.
2. Clean the charging pins on your earbuds and in the charging case. Then, use a dry and soft cotton to rub down dust and lint.



3. Clean the grooves and the bottom of the charging case. After cleaning, make sure the charging case and earbuds are dry before putting the earbuds back into the charging case.



Tip: Repeat the operation every other week to keep your earbuds clean and not affect charging quality and the device's overall performance.

3. Precautions

- Your headset is powered by rechargeable batteries. The batteries can be charged and discharged hundreds of times, but it will eventually wear out. Recharge the batteries only with compatible chargers designated for this device.
- Unplug the USB charger from the source when not in use.
- Parts of the headset are magnetic. Metallic materials may be attracted to the headset. Do not place credit cards or other magnetic storage media near the headset, because information stored on them may be erased.
- Do NOT drop, hit, or shake the device.
- Do NOT disassemble, repair, or modify the earphones yourself.
- Do NOT use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- Do NOT expose headset to excessive heat or to direct sunlight for long periods of time.
- Do NOT store the device in a place with high humidity or dust.

FCC statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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