



Pixel Buds 2a Technical Specifications

Spec Category	Google Pixel Buds 2a
Compatibility requirements	<p>Pairs with any Bluetooth® 4.0+ device, including Android, iOS, tablets, and laptops.</p> <p>Full access to features requires:</p> <ul style="list-style-type: none"> • Google Account • Companion phone running Android 6.0 or newer¹ • Internet connection <p>For minimum OS and hardware requirements, go to g.co/pixelbuds/help.</p>
Sweat and water resistance²	<p>Earbuds: IP54</p> <p>Case: IPX4</p>
Connectivity	<p>Each earbud:</p> <ul style="list-style-type: none"> • Bluetooth 5.4 <ul style="list-style-type: none"> ◦ Super Wideband
Processor	<p>Each earbud:</p> <ul style="list-style-type: none"> • Google Tensor A1
Audio	<p>Each earbud:</p> <ul style="list-style-type: none"> • Custom-designed 11 mm dynamic speaker driver • Active Noise Cancellation with Silent Seal™ 1.5 • Transparency mode • Active in-ear pressure relief
Voice	<p>Each earbud:</p> <ul style="list-style-type: none"> • Bluetooth Super Wideband³ • Clear Calling⁴ • Wind-blocking mesh covers
Sensors	<p>Each earbud:</p> <ul style="list-style-type: none"> • Two microphones • Capacitive touch (tap) sensors for music, calls, and voice assistant controls • IR proximity sensor for in-ear detection to play and pause automatically <p>Case:</p> <ul style="list-style-type: none"> • Hall Effect sensor for case open and close detection
Charging	<p>Charging case:</p> <ul style="list-style-type: none"> • USB-C® charging port

Battery	<ul style="list-style-type: none"> • With Active Noise Cancellation off, up to 10 hours of listening time, and up to 27 hours total listening time with the charging case.⁵ • With Active Noise Cancellation on, up to 7 hours of listening time, and up to 20 hours of total listening time with the charging case.⁵ • 5-minute charge of earbuds in the charging case delivers up to 1 hour of listening time with Active Noise Cancellation on.¹²
Colors	<ul style="list-style-type: none"> • Hazel • Iris
Dimensions	<p>Each earbud (with medium eartip): 23.1 mm x 16.0 mm x 17.8 mm</p> <p>Charging case: 50.0 mm x 24.5 mm x 57.2 mm</p>
Weight	<p>Each earbud: 4.7 g (with medium eartip)</p> <p>Charging case: 47.6 g (with earbuds)</p>
What's in the box	<ul style="list-style-type: none"> • Earbuds • Charging case • Eartips with 4 size options: extra small, small, medium, large • Quick Start Guide
Sustainability	<ul style="list-style-type: none"> • Made with at least 41% recycled materials⁶ • The buds and charging case magnets use 100% recycled rare earth elements⁷ • Uses 100% recycled tin in the solder paste of multiple printed circuit boards, including the main logic board⁸ • Battery made with 100% recycled cobalt⁹ • 100% plastic-free packaging¹⁰

Safety information	<u>Regulatory and Safety documentation</u>

- 1 Gemini-powered features require the Gemini mobile app on your compatible phone.
- 2 Pixel Buds 2a are designed to comply with water protection rating IP54 under IEC standard 60529 when the device leaves the factory, and the case is rated IPX4, but they are not waterproof. Water resistance is not a permanent condition and decreases or is lost over time due to normal wear and tear, device repair, disassembly, or damage. Dry your Pixel Buds 2a and case after exposure to any liquids. Liquid damage voids the warranty.
- 3 Requires Pixel 8 or new phone.
- 4 Call quality depends on signal strength, environment, network traffic, and many other factors. Actual results may vary.
- 5 All listening times are approximate and were measured using music playback (continuous music at 50% volume) with pre-production hardware and software, with fully-charged Pixel Buds 2a and case, and other features disabled. Case is used to recharge Pixel Buds 2a. Use of other features will decrease battery life. Battery life depends on device, features enabled, usage, environment, and many other factors. Actual battery life may be lower.
- 12 Listening time is approximate and was measured using music playback (continuous music at 50% volume) with pre-production hardware and software, and using Pixel Buds 2a default settings. Case is used to charge Pixel Buds 2a. Charging time is approximate. Use of other features will decrease battery life. Battery life depends on device, features enabled, usage, environment, and many other factors. Actual battery life may be lower.
- 6 Based on product weight.
- 7 Recycled rare earth elements comprise less than a majority of magnet weight. Excludes magnets in the bud speakers, which do not use recycled rare earth elements.
- 8 Recycled tin is at least 80% of the solder paste based on weight.
- 9 Recycled cobalt is at least 34% of the combined battery cell weight.
- 10 Based on retail packaging (excluding adhesive materials and required plastic stickers) as shipped by Google. To meet the request of some retail partners, stickers and/or security tags are applied to some packaging variations and may contain plastic.