HUAWEI P20 Pro

Huawei P20 Pro User Manual

Model: P20 Pro (CLT-L29)

1. Product Overview

The Huawei P20 Pro is a high-performance smartphone designed for advanced mobile photography and seamless user experience. It features a sleek design, powerful camera system, and long-lasting battery life.

- Original brand product.
- Two-year warranty against factory defects.

2. Design and Build

The P20 Pro features a premium construction with glass on both the front and back, held together by a sturdy metal band. Its ergonomic curved glass design ensures a comfortable grip. The device is also IP67 water and dust resistant, allowing it to withstand immersion in up to one meter of water for 30 minutes without damage.





Figure 1: Front view of the Huawei P20 Pro, showcasing its minimal bezels and notch design.




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Figure 2: Back view of the Huawei P20 Pro, highlighting the triple camera setup and fingerprint sensor.

The fingerprint sensor is conveniently located on the back of the device for quick and secure unlocking.

3. Display

Experience vibrant visuals on the P20 Pro's 6.1-inch OLED FullView display. With an 18:9 aspect ratio and a resolution of 2160 x 1080 pixels, it offers an immersive viewing experience with minimal bezels. The display supports HDR10 content, providing enhanced contrast and color accuracy for compatible media.





Figure 3: The Huawei P20 Pro's OLED display showcasing vivid colors and minimal bezels.

4. Battery and Charging

The Huawei P20 Pro is equipped with a large 4000 mAh battery, designed to provide extended usage throughout the day. It supports Huawei's SuperCharge technology, allowing for rapid charging. A 20-minute charge can provide a full day's use, ensuring you stay connected with minimal downtime.

5. Camera Features

The P20 Pro boasts a revolutionary Leica Triple Camera system, co-engineered to deliver exceptional photographic capabilities. It includes a 40MP RGB sensor, a 20MP Monochrome sensor, and an 8MP Telephoto sensor, all with a wide f/1.6 aperture. Optical Image Stabilization (OIS) is built-in for sharper images.





Figure 4: Detailed view of the Leica Triple Camera system on the Huawei P20 Pro.

The camera system leverages Artificial Intelligence (AI) for real-time scene recognition, automatically optimizing camera settings for various subjects such as flowers, skies, plants, nightscapes, food, sunsets, text, beaches, portraits, and snow. This ensures perfect photos with minimal effort. The device also features a dedicated Portrait Mode, utilizing AI to create stunning photos with blurred backgrounds, similar to DSLR quality.




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Figure 5: A user capturing a photo with the Huawei P20 Pro, demonstrating its camera interface.

6. Performance

At the core of the Huawei P20 Pro is the Kirin 970 Octa-core processor, which includes a dedicated Neural Network Processing Unit (NPU). This NPU powers the device's advanced AI features, enhancing performance and efficiency across various tasks, from camera processing to real-time translation.

7. Travel Features (AI Accelerated Translator)

The P20 Pro is an ideal companion for travelers, featuring a built-in AI-accelerated translator. This real-time translator supports over 50 languages for voice, text, and image translation, even offline. You can speak into the phone, point the camera at text, or capture images, and it will provide instant translations, facilitating seamless communication and navigation in foreign environments.





Figure 6: The Huawei P20 Pro being used to translate text, demonstrating its AI-powered translation capabilities.

8. Setup

8.1. Initial Power On

1. Press and hold the Power button until the Huawei logo appears.
2. Follow the on-screen prompts to select your language, region, and connect to a Wi-Fi network.
3. Sign in with your Google account or create a new one.

8.2. SIM Card Installation

1. Locate the SIM card tray on the side of the device.
2. Insert the SIM ejector tool into the small hole next to the tray and push gently until the tray pops out.
3. Place your Nano-SIM card(s) into the tray, ensuring they are correctly oriented. The P20 Pro supports Dual-SIM functionality.
4. Carefully push the tray back into the device until it is flush.

9. Operating

9.1. Basic Navigation

- **Home Screen:** Swipe left or right to navigate between home screens.

- **App Drawer:** Swipe up from the bottom of the screen to access all installed applications.
- **Notifications:** Swipe down from the top of the screen to view notifications and quick settings.
- **Recent Apps:** Tap the square navigation button (or swipe up and hold if using gestures) to view recently used applications.

9.2. Making Calls and Sending Messages

- Open the **Phone** app to make calls.
- Open the **Messages** app to send and receive SMS/MMS.

10. Maintenance

10.1. Cleaning Your Device

Use a soft, lint-free cloth to clean the screen and body of your P20 Pro. Avoid using abrasive materials or harsh chemicals that could damage the finish.

10.2. Software Updates

Regularly check for software updates to ensure your device has the latest features, security patches, and performance improvements. Go to **Settings > System > Software update**.

10.3. Battery Care

To prolong battery life, avoid exposing your device to extreme temperatures. Use the original Huawei SuperCharge adapter and cable for optimal charging performance.

11. Troubleshooting

11.1. Device Not Powering On

- Ensure the battery is charged. Connect the device to its charger and wait a few minutes before attempting to power on.
- Press and hold the Power button for at least 10 seconds to force a restart.

11.2. Network Connectivity Issues

- Check if Airplane mode is disabled.
- Restart your device.
- Verify that your SIM card is properly inserted.
- Go to **Settings > Wireless & networks > Mobile network** and ensure mobile data is enabled.

12. Specifications

Feature	Detail
Product Dimensions	2.91 x 0.3 x 6.1 inches
Item Weight	6.3 ounces

ASIN	B07BHDMHR1
Item model number	51092FGU
Batteries	1 Lithium Metal batteries required. (included)
OS	Android
RAM	6 GB
Wireless communication technologies	Cellular
Connectivity technologies	Wi-Fi
GPS	True
Special features	Dual SIM
Display technology	OLED, LED, AMOLED
Human Interface Input	Touchscreen
Scanner Resolution	1080 x 2340
Other camera features	Front
Form Factor	Smartphone
Color	Black
Phone Talk Time	20 Hours
Phone Standby Time (with data)	515
Manufacturer	Huawei
Date First Available	March 15, 2018
Memory Storage Capacity	128 GB
Standing screen display size	6.1 Inches
Ram Memory Installed Size	6 GB
Battery Capacity	4000 Milliamp Hours
Weight	0.18 Kilograms
Brand	HUAWEI
Operating System	Android
CPU Speed	2.4E+3 MHz
Screen Size	6.1 Inches
Resolution	1080 x 2340
Model Name	P20 Pro

Wireless Carrier	WhatsApp SIM
Cellular Technology	4G

13. What's in the Box

- USB Charging Cable
- USB Charger Block

14. Warranty and Support

The Huawei P20 Pro comes with a two-year official manufacturer's warranty against factory defects, ensuring peace of mind for your purchase.

For technical support, troubleshooting, or warranty claims, please visit the official Huawei support website or contact their customer service. Keep your proof of purchase handy for any service requests.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question