OnePlus Nxxx NXX 5G User Manual

Due to software updates, your experience of the software interface (including but not limited to software features, user interfaces, and interaction experiences) may differ from the interface presented in this manual. The software interface is subject to change.

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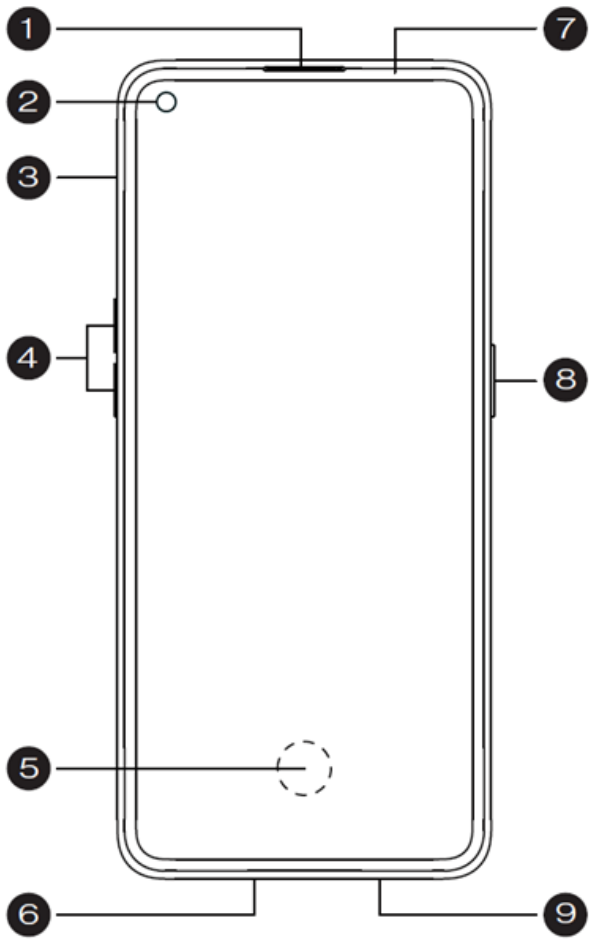
Getting started

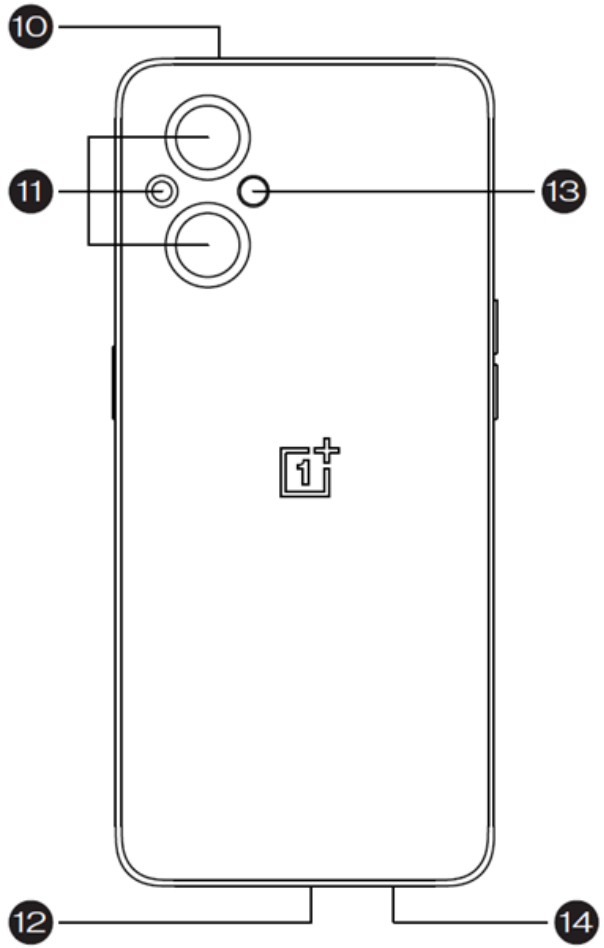
Learn more about your device

and start using.

Front & Back Views



1 Receiver
2 Front Camera
3 SIM Tray
4 Volume buttons
5 Fingerprint Sensor
6 Main Microphone
7 Proximity & Light sensor
8 Power button
9 Speaker
10 Sub Microphone
11 Rear Camera
12 USB Port
13 Flash
14 Headphone Jack



Setting up your device

Insert SIM card

1. Insert the SIM Tray Ejector into the small hole on the SIM card holder. Press the ejector firmly into the hole to push the SIM card tray out.
2. Slowly pull the SIM card tray out of the tray slot.
3. Place the SIM card into the SIM card tray.
4. Plug the SIM card tray back into your device.

* Use the original Nano-SIM card. Non-original cards may cause damage.

Booting up your OnePlus Nxxx NXX 5G

Press and hold the **power** button for a few seconds to boot up the phone. If your phone does not power on, you may need to charge it.

Setup Wizard

When you first boot up the phone (or after a factory reset), the **Setup Wizard** lets you customize all features, including language, software buttons, gestures, fingerprint unlock, and other features. If you want to change these later, you can do so after setting up the phone in the Settings app.

Battery and charging

You will need to charge the phone when you first get it or if you have not used it for a long time.

Safety Information:

1. To ensure your safety and avoid damaging the device, only use the official charger and USB cable.
2. OnePlus Nxxx NXX 5G supports the USB Type-C cable.
3. Unplug the charger after you finish charging to avoid wasting electricity.
4. Do not place anything on your phone while it is charging.

Charge the battery

1. Connect the USB cable to the adapter;
2. Plug the USB cable into the phone's USB port.
3. Plug the adapter into a power socket.
4. After charging, unplug the USB cable from the phone and unplug the adapter from the socket.

Save power and extend battery life

Reduce power consumption by doing the following:

1. Turn off the screen when the device is not in use.
2. Turn on **Battery Saver** mode when the battery is low.
3. Disable Bluetooth and Wi-Fi when you are not using them.
4. Dim screen brightness and shorten sleep time in Settings.
5. Delete apps that you do not use.

Physical buttons

Power button

The power button is located on the right side of the phone.

- Press and hold the power button to turn on the device when the device is off.
- Press and hold the power button for Emergency/Power off/Restart when the device is on.
- Press the power button and volume up button simultaneously to power off.
- Click the power button to turn on/off the screen.

Volume button

The volume button is located on the left side of the phone.

- When playing music or video, press the volume button to adjust the media volume.
- Press the volume button during a call to adjust the call volume.
- Press the volume button to silence the ringtone when you get an incoming call.

Shortcut keys

You can perform quick actions using the shortcut keys.

- Press and hold the power button and volume up button simultaneously to turn off the device.
- Press and hold the power button and volume down button simultaneously to take a screenshot.
- Press and hold the power button and volume down button simultaneously to access recovery mode when the device is powered off.
- Long press the power button and volume up for 10 seconds to force a power off.

Transfer data to OnePlus Nxxx NXX 5G

Clone phone can quickly transfer all your data, including contacts, messages and photos, from your old device to your new OnePlus device.

If only OnePlus Switch is installed on your old phone, you will need scan the new QR code to download the Clone Phone.

If the old device is OnePlus or other Android devices:

1. Open the Clone phone. Select **I'm a new phone**, then select your old phone's type. Follow the prompts on the new phone screen. Download and install Clone phone on your old phone.

2. Tap Continue on your new phone.

3. Open Clone phone in your old phone, select I'm an old phone, and scan the QR code on your new phone to connect the two phones.

4. After connecting the two phones, select the data you want to migrate from your old phone. Tap to start. Then wait until the transfer is completed.

If the old device is iPhone:

1. Sync the data of your iOS device to iCloud.

2. Open Clone phone app.

3. Choose **I'm a new phone** and then tap on **"iPhone"**.

4. Sign in to your iCloud account and start importing data.

5. It's recommended to complete the whole data transfer process while connected to a Wi-Fi network, and Clone phone should always stay on the screen. If you ever get disconnected from the iCloud server, please try logging into iCloud again and pick up with the data transmission. Please note that only certain format of data can be transferred due to compatibility issues.

The Basics

Learn to use your OnePlus device.

Basic gestures

Learn to use basic gestures, such as tap, drag, swipe, and zoom, to control your phone and apps.

1. Tap to enter the app or select it.

2. When viewing a webpage or list, swipe up or down to scroll.

3. Swipe left or right with your finger to switch tabs, change pages or slide content in the weather/calendar/gallery/app list.

4. Two-finger zoom for images and web pages.

5. Press and hold the screen to bring up the pop-up window for advanced settings or to enter edit status.

Install and uninstall apps

Install apps from Play Store

It is advisable to download and install apps from Play Store, which is available on your device.

Open Play Store to search for apps using key words or on screen.

- Tap the app icon to view application details.
- Tap **Install** to download and install apps.

  * It is advisable to download apps on a Wi-Fi network.

  * New upgradation of apps that you download would be reminded. (Choose yes/no)

Uninstall apps

Uninstall apps as follows:

- On the home screen or app drawer, press and hold the app icon and select uninstall.
- Go to Settings > App management > App list and select the app. Then go to App info and select uninstall.

  * Some pre-installed apps cannot be uninstalled.

Use Apps

Learn how to open apps, switch between apps, close apps and view app information.

App drawer

Swipe up on the home screen to view all your apps in the app drawer

Open apps

Open the app by the app icon on the desktop or in the app drawer.

View app info

Long press an app's icon and select app info in the pop-up box to view app info and setting options.

Switch apps

- In **Navigation gestures**, swipe left or right along the bottom bar to switch between apps.
- In **Back, Home, Recent,** tap **Recent** button in the navigation bar to switch between apps.

Close apps

- In **Navigation gestures**, swipe up from the bottom edge of the screen and pause, then

close apps by swiping up on the app card.

- Tap **Recent** button and close apps by swiping up on the app card.

Clear background tasks

- In **Navigation gestures**, swipe up from the bottom edge of the screen and pause, then tap "Clear All" to clear background tasks.
- Tap **Recent** button to enter the recent apps list, then tap "Clear All" to clear background tasks.

* Pinned apps will not be closed.

Lock background apps

In the recent apps list, long press the app card to access menu options. Select **Lock** to stop the app from being closed or cleared.

Home screen

Learn to set **wallpapers**, **widgets** and **home settings** to personalize your phone.

App icons and folders

- Open the app drawer by swiping up from the home screen.
- In the drawer, press and drag an app icon to add it to the home screen.
- Drag an app icon onto another app on the

home screen to create a folder.

Wallpapers

Long press a blank space on the home screen and select **WALLPAPERS** to set your home screen wallpaper and lock screen wallpaper.

Widgets

- **Add widgets**: Long press on a blank space from the home screen and select **Widgets**, then press a widget and drag it to the home screen.

Home Settings

Long press the blank space on the home screen and select **HOME SETTINGS**.

Add icon to Home screen: When enabled, it will display an icon on the home screen after installing a new app.

Swipe down to access: Swipe down from home screen to access Notifications & Quick settings or shelf.

Google: Swipe right from the home screen to show the Google search bar and Discover.

Double tap to lock: Double tap on the blank area of the Home screen to turn the screen off and lock the device.

Launcher layout: Choose between Home screen only and Home screen and Drawer.

Quick search gestures: Choose how to access quick search, you can choose between swipe up and hold or swipe up to search apps.

Notification dots: Set the notification settings.

Icon pack: Set up icon styles for preset apps and some third-party apps.

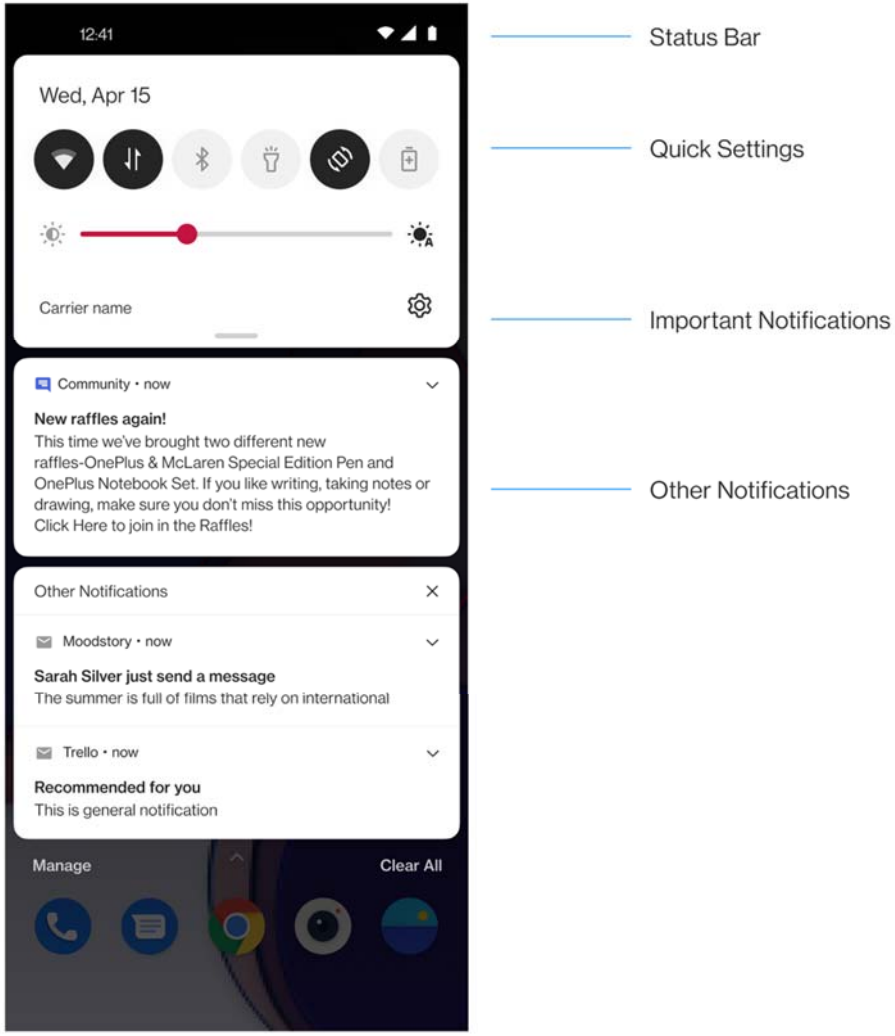
Home screen layout: Adjust the number of desktop grids and icon sizes. You can also set whether to hide the app names.

Hidden Space: To access, swipe right in the app drawer or swipe outwards with two fingers on the home screen.

Hidden Space

1. Slide outwards with two fingers on the home screen to enter Hidden Space.
2. Slide to the right in the drawer to enter Hidden Space.

Notification



When a new system notification or app notification is received, the status bar will display the corresponding icon. Pull down the notification panel by swiping down from the top of the application page or anywhere on the home screen.

- You can clear a notification by swiping it right (Some notifications need to be cleared by closing the related app).
- **Long press** a notification to enter the notification settings for that app.

There are two categories: "Important" and "Other", you can choose to move less important notification to the "**Other**

notifications ” category, by pressing the notification and choose “**Other**” .

Quick Settings

- Tap the quick settings icon to turn on/off specific functions quickly.
- Press and hold an icon in the quick settings menu to open the corresponding settings interface.
- Swipe down again to view more buttons and brightness settings.

Status icons

Status icons are displayed on the status bar at the top of the screen. The icons listed in the table below are the most common ones.

	Signal strength		Location service enabled
	Wi-Fi		Alarm enabled
	No SIM card		Silent mode enabled
	Roaming		Vibration mode enabled
G	Connected to GPRS network		Airplane mode enabled
3G	Connected to UMTS network		Normal charging
H	Connected to HSDPA network		Battery capacity
H+	Connected to HSPA+ network		NFC enabled
4G	Connected to LTE network		Gaming mode enabled
5G	Connected to 5G network		Do not disturb mode enabled
	Bluetooth enabled		Wi-Fi hotspot enabled

Google assistant

* When using Google assistant for the first time, follow the prompts to log in to your Google account.

You can quickly access Google Assistant, by either pressing and holding down your home button, swiping up from the corner of the phone screen (if you have enabled "**Navigation gestures**"), or by press the power button, or by simply saying, "Hey Google."

With Google Assistant, you can:

- Make quick phone calls on the go (e.g., "Call Mom")
- Send text messages (e.g., "Text Sara I am running late")
- Set reminders (e.g., "Remind me to buy a birthday gift for John")
- Take a selfie (e.g., "Take a selfie")
- Set calendar events (e.g., "Set a calendar event for dinner with Charlie tomorrow from 7-9")
- Play music (e.g., "Play jazz music on YouTube")

- Navigate to places (e.g., "Give me Home directions ")
- Weather information (e.g., "Do I need an umbrella today?")

Settings

Configure your phone's network and account or set up your phone

Mobile network

Enable or disable mobile data.

Go to **Settings** >**Mobile network** , enable/disable **Mobile data**.

Data usage

You can check statistics on the mobile data and Wi-Fi traffic usage.

Network settings

Go to Settings > Mobile network >Data usage, turn on or off the network.

- **Network access:** You can set up different ways of using the network including Wi-Fi & mobile data, Only Wi-Fi, Only Mobile Data and Disable network, when you use different apps.
- **Data saving:** When the option is turned on, apps in the background will not be able to use mobile data, whereas apps in the foreground will decide which data-saving measures to take. In addition, network tethering will be unavailable and the status bar will display the data-saving icon.

Advanced settings

- **Smart 5G:** Based on usage scenarios, automatically switch between 5G and 4G to

extend battery life.

- Flash on call: the camera flash will blink for incoming calls when the screen is locked.

Wi-Fi

Connect to the internet through Wi-Fi.

Connect to Wi-Fi

1. Enter **Settings** > **Wi-Fi**, tap **Wi-Fi**.
2. Select a Wi-Fi network from the list.
3. You will automatically connect to an unencrypted Wi-Fi network that you have selected. To connect to an encrypted network, enter the password and tap **CONNECT**.

   * You can also manually add a Wi-Fi network by selecting **Add networks**.

Wi-Fi Assistant

- **Wi-Fi Assistant:** When the option is turned on, the system will:

  1.Auto connect to the best Wi-Fi.

  2.Auto switch to mobile network when the quality of Wi-Fi networks is poor.

- **Dual channel acceleration:** When the option is turned on, you can use Wi-Fi and mobile data at the same time for a faster internet experience.

Advanced settings

- Saved networks: Networks that have been successfully linked.
- Install certificates: Browse files in other apps (recent files)
- Wi-Fi status display: Turn on or off the Bandwidth label, the number will be presented. Adjusting Wi-Fi status display will not affect Wi-Fi functionality.
- Wi-Fi data usage: You can view your Wi-Fi data usage here, including the total data usage and the data usage of different apps.
- **Scanning always available:** Allow location services or other apps to scan for networks, even when Wi-Fi is off.
- **Passpoint:** Turn on to discover Wi-Fi networks that support the Passpoint protocol.

Bluetooth

Bluetooth lets you connect to Bluetooth-enabled devices such as headsets and keyboards.

- Go to Settings > Bluetooth, select the device you want to connect from the list of available devices, and enter the pairing code to complete pairing.

* When your Bluetooth device is turned on but cannot be found, check the device's manual and follow the instructions to switch the device to pairing mode to connect.

Advanced settings:

You must make sure that the option **Visible to Other Devices** is turned on so that others can find and pair with your devices.

Media volume sync: When the option is turned on, volume on Bluetooth devices and your phone will be synced.

Display codec standard: Display the current codec standards for paired devices.

Connection & sharing

Share personal hotspot and screencasts.

Airplane mode

After switching your device to airplane mode, you will not be able to dial, but you can read, play games, watch videos, or use other applications that don’ t require network or phone connections.

Personal hotspot

Share your mobile data or Wi-Fi connection with other devices. This may consume more mobile data and battery power.

* Two ways of linking personal hotspots will be provided:

1.QR code: Scan the QR code and connect to this Wi-Fi network.

2.Personal hotspot password: Go to Personal hotspot settings > change the Name and Password.

- **Personal hotspot settings :** Set personal hotspot name and password.

* You must make sure that the option **Visible to Other Devices** is turned on so that this hotspot can be connected manually.

- **Connection management :** The maximum allowed connections and the data restriction can be set.

- **Automatically turn off personal hotspot when idle:** when no devices are connected for 10 minutes.

USB tethering

To share your device's mobile data or Wi-Fi network with your computer via USB, follow the steps below:

1. Connect your phone to your computer with a USB cable

2. Select the USB connection method as **USB tethering** in the control center.

   * Some computers may need Android RNDIS

driver to be installed separately.

Bluetooth tethering

To share your device's mobile data or Wi-Fi network with other devices by BLUETOOTH tethering, follow the steps below.

1. Go to Settings > **Connection & sharing** > enable **Bluetooth tethering**.
2. Pair and connect your phone in the Bluetooth settings interface of other devices.

NFC

Tap & pay

Go to **Settings** > **Connection & sharing> switch on NFC > Tap & pay**

After setting a default payment app, you can pay by tapping the back of your phone on a payment reader.

*Before using the Tap and pay, you need to set up the default payment app, open the payment service in the app, and set the tap and pay feature with the following settings options:

- **Payment default:** Choose an app, such as Google pay, to use when making a payment by tapping the payment terminal.
- **Use default:** You can set as **Always** and **Except when another payment app is**

open.

Screencast

Make sure your phone and the display device are connected to the same network or that the display device has the wireless display function turned on. Pair your phone with the display device to stream your phone screen to it.

Before using the Miracast function, ensure that your TV, projector, screen and other display devices are compatible with the Miracast function, and the function of the device is turned on.

Instructions:

1. Go to **Settings** > **Connection & sharing** > **Screencast**
2. Tap the menu button **Screencast.**
3. Select the display device that needs to be projected and wait for the phone screen to be projected onto the display device.

Print

The Print service lets you print documents, images, emails, and web pages. An option for the Print service appears when you choose to share a file.

When **Default Print service** and **Quick device connect** on, the device will search for nearby

printers quickly, you can choose and connect to the printer for print services.

*Add print service: Add a new print service for printing works.

VPN

Go to Settings > Connection and Sharing > VPN. Then, click "+", adding VPN after completing the VPN name, type, server address and other information.

Private DNS

Private DNS is a mechanism to achieve encrypted transfer. Once connected it helps to enhance network security. However, it may also lead to network latency and connection failure. Please pay attention to your network connection after selecting "Designated Private DNS".

Android Auto

Allow you to use apps on your car screen.

Personalizations

Go to **Settings** > **Personalizations** to customize your phone.

You can change the Wallpapers, Fingerprint animation, Icon styles, Colors, Font and display size, Notification drawer.

- **Wallpapers:** You can use the wallpaper provided by OnePlus, or you can use a

personal photo as your wallpaper.

- **Fingerprint animation:** There are eight different fingerprint animation effects that you can select.
- **Icon styles:** Customize the status icon shape, there are two shapes available: Oxygen and Hydrogen.
- **Colors**: Click the color you want and save to change the accent color.
- **Font & display size:** There are 3 kinds of font available, Roboto, OnePlus Sans™, Sans.

  *When you use Sans, after the Auto adapt is used, the system automatically provides the best font display effects based on the scenario. Also, **Font weight** could be adjusted.
- **Notification drawer:** Customize the status notification shape, there are four shapes available, Round, Square, Teardrop, Round rectangle.

Ambient Display

You can set **SOMATIC GESTURE**:

- **Pick up your phone to show:** Enable this to show the fingerprint icon in ambient display when you pick up your phone.

You can set **WHEN TO SHOW:**

- ➢ Always-on ambient display.

This feature may cause additional battery drain, but only a minimal percentage. This feature will be disabled in battery saving mode or when the battery level is lower than 5%.

You can set **WHAT TO SHOW:**

- Contextual info.
- Fingerprint icon.
- Display message.
- New notifications.

Display & brightness

There are two modes here, including **Light** and **Dark mode**.

You can choose the **Auto switch**, and the Dark mode will replace Light mode at sunset.

- **Dark mode settings :**

  Go to Settings > Display & brightness > Dark > **Dark mode settings**.

  You can make custom adjustments here, for example, adjusting wallpapers or icons to Dark mode or not.

- **Smart Ambient Brightness:** When enabled, the phone will optimize the screen brightness setting according to ambient light conditions. You can also manually adjust the slider bar to set your

preferences.

- **Eye Comfort:** You can set the Color effect and Black and white effect to fit more reading scenario. Black and white effect is for purely words and Color is for comfortable color reading.

  ***Screen color temperature** cannot be adjusted when Eye comfort on.

  ***Schedule time：** You can also set the start and end time of Eye comfort according to your own habits.

- **Auto-rotate screen:** If enabled, the phone display will automatically rotate as the phone rotates.

- **Auto Screen off:** You can choose the length of time the screen will automatically go off here.

- **Screen color temperature:** There are three different temperature modes, including cool, default and warm.

- **Screen color mode:** There are different modes here.

  1. Vivid mode: P3 mode for better color display.

  2. Gentle mode: sRGB mode for natural colors.

Front & display size （same with functions of Personalization）： There are 3 kinds of

font available, Roboto, OnePlus Sans™, Sans.

*When you use Sans, after the Auto adapt is used, the system automatically provides the best font display effects based on the scenario. Also, **Font weight** could be adjusted.

- More: screen display (Front camera display by app/full screen display by app), screen saver (None/Photos/Clock).

Sound & vibration

Go to **Settings** > **Sound & Vibration** to change the sound settings on your device.

VIBRATE

- Vibrate on ring (on/off)

VOLUME

- **Media:** Adjust the slider to set the volume for playing music, video and more.
- **Ringtone:** Adjust the slider to set the ringtone volume for phone calls and other notifications.
- **Notifications:** Adjust the slider to set the notification volume for phone calls and other media notifications.
- **Alarm:** Adjust the slider to set the ringtone volume for alarms.

Media volume muted: The media volume and

device are silenced simultaneously, you may make any adjustments manually.

Volume button function: When you press the volume adjustment button, the selected option will change accordingly. You can choose **media volume** or **ringtone volume** based on your preference.

Do Not Disturb：

When Do Not Disturb mode is turned on, your phone will not show new or existing notifications or make a sound or vibrate. Notifications will not appear when you swipe down from the top of your screen.

Note that critical notifications for phone activity and status will still appear. You can allow exception below.

- **Schedule:** Set **Do not disturb** duration or set the time to automatically turn on and off.
- **Exceptions:** Choose special settings for notifications, messages, calls, ring for repeated calls and silence media when Do Not Disturb is on.

Ringtone

Set the ringtone and vibration for incoming phone calls.

Notification sound

- **Notification sound:** Set the Tone tunes and alert tunes for other notifications.
  - Tone tunes
    - Music box
    - Electronic
    - Harp
    - Waterdrop
- **More sounds & haptics：**If you need to turn off the system sound, you can do so here.

➢ Dial pad tone

➢ Lock screen sound

➢ Screenshot sound

➢ Fingerprint animation sound

➢ Touch sounds

➢ Vibrate on touch

Reduce notification feedback on full screen: Soften notification sounds and reduce vibration intensity when your phone is in full screen mode (such as when watching videos or playing games).

Global sound: Dirac Audio Tuner (four sound profiles to be chosen), other settings (Default recorder: Auto select/Add-on).

Notifications & status bar

If you want to receive relevant system notifications, you can open “Display data

usage in notification drawer" and "Pull down on Lock screen to access notification drawer".

Manage notifications

Notification on lockscreen : To set what to show while the screen is locked when receive notifications.

App notifications: You can turn notifications from receiving apps on or off.

Status bar

You can set the style of the battery and time, enable/disable showing **Battery percentage**, display **Real-time network speed**, time and manage icons in the status bar.

- **Notification icons:** You can change notifications icons status here, "Icon", "Show only important notification icons", "Notification count" and "Do not show".

- **Status icons:** Status icons are displayed on the status bar at the top of the screen. The icons listed in the table below are the most common ones.

➢ VoLTE

➢ NFC

➢ Wi-Fi

➢ Mobile network

➢ Battery

- Alarm
- Airplane mode
- Screencast
- VoWiFi
- Earbuds
- Do Not Disturb
- VPN
- Personal hotspot
- Bluetooth & Bluetooth earphones
- Vibrate / Silent
- Ethernet
- Data saving
- Portrait Orientation Lock
- Work profile

Password & biometrics

Go to **Settings** > **Password & biometrics** to set up fingerprints, faces and passwords for your phone.

Lock screen Password

Your Lock screen password cannot be retrieved if you forget it and you will no longer be able to unlock your phone or view phone data.

Enter 6 digits password for Lock screen

password.

Set privacy password

The privacy password will be used for verification in features such as App lock.

- **Use a different password type:** You can choose different ways to set your lock screen password, including pattern, 4-digits password, 4-16 digits password and Password with 4-16 alphanumeric characters.

Fingerprint:

You can add/delete fingerprints and set fingerprint preferences through **Fingerprint**.

- **Add fingerprint:** Follow the on-screen prompts to add your fingerprint.

Add your fingerprint again after replacing the protective film.

  - Add only one fingerprint information at a time.
  - Press firmly on the phone screen to ensure your fingerprint data is fully added.

- **Fingerprint animation effect:** Set animation effect. You can select one of the eight forms below: (could be adjusted in Personalizations)

  - Energy

- Cosmos
- Ripple
- Stripe
- None
- Fireworks
- Magic
- Wormhole

*In addition to unlocking your phone, you can use your fingerprint to authorize purchases and access apps.

Add Face

You can add/delete face data and set face unlock preferences through **Face unlock**.

- **Add face data:** Follow the on-screen prompts to add your face data.

  *Do so in a bright environment and ensure that you are facing your phone for the best results.

- **Face Unlock:** Enable this to use face unlock to unlock your phone from the lock screen.

- **Auto unlock once the screen is on:** Enable this to unlock your phone with your face as soon as the screen turns on without swiping first.

- **Face unlock assistive lighting:** In situation where the camera cannot recognize your

face, the screen will light up to help the camera recognize you.

Privacy

Permission manager

Set app permissions to use microphone, contacts, calendar and more.

Privacy protection

- **App lock:** You can add the apps that you want to lock with a password.

Device ID & ads

Limit ad tracking: Limit targeted ads based on your device ID. Once turned on, the number of ads you receive will not change, but the ads will be less relevant to you.

Reset device ID: The device ID used to deliver targeted ads will be reset.

Notifications on lock screen

If you want to turn off or on the notifications on the lock screen, you can set it here. (Show all notification content /Hide all notifications).

Show passwords

Enable this to display characters as you type and briefly convert them to an encrypted asterisk "*".

Experience improvement programs

OnePlus notifications: Receive official OnePlus news, product information, questionnaires, and recommendations/coupons.

User Experience Program: Allow OnePlus to anonymously analyze general statistical data about phone usage to improve product design and user experience.

System stability improvement program: Allow OnePlus to access system logs anonymously. In the event of an error, allow a bug report with logs to be submitted which will only be use for system error analysis and stability improvements.

OnePlus Service Messaging: Allow OnePlus to deliver prompt cloud messaging services to ensure an optimized product experience.

Advanced

Autofill service from Google: Saved passwords, credit cards, addresses.

Activity controls: Choose the activities and info you allow Google to save.

Ads: Advertising ID and personalization.

Usage & diagnostic: Share data to help improve Android.

Security

Google play protect

Google play protect regularly checks your

apps and device for harmful behavior. You' ll be notified of any security risks found.

Security update: check your system if it needs up to date.

Find My Device

Find My Device helps you locate your device remotely and keeps your data safe if the device is lost.

Ways to locate your Android device

- Find My Device app: Get it on Google Play.
- Find My Device web: Open web portal (Web: Visit android.com/find.)

Note: Fine My Device helps you locate this device remotely. If you lose this device, it also helps you keep your data safe.

Google Play system update: check whether the device need to be updated.

Smart Lock

Keep your phone unlocked when it is in a safe place like your pocket or trusted places. You can customize your preferences with **Smart Lock.**

Emergency SOS

- **Edit emergency information and contacts:** Add your medical information and emergency contacts to help responders in

an emergency.

- **Power button for quick SOS:** Set the preferences of activating quick SOS with the power button.
- **Preferred SOS action:** Set the preferences of SOS action, which can be Call local emergency number or Share location with emergency contacts.

Device admin apps

- Find My Device: Enable to find your device or to lock or erase data from a lost device.

Unknown source installations

Chrome, Drive, File Manager, Files by Google, Gmail and OnePlus Launcher.

Screen pinning

Screen pinning allows you to keep the current app in view until you unpin it. When an app is pinned, the pinned app may open other APPs and personal data may be accessible.

To use this function:

1. Turn on screen pinning.
2. Open the app you want to use, and then tap the Recent button at the button of the screen to enter the Recent screen.
3. Tap the Menu button in the upper right

corner of the app screen, and then tap Pin.

Note: Screen pinning will affect functions such as incoming calls and alarms.

Location

Enable this to allow apps to use location information.

- **Wi-Fi and Bluetooth scanning:** Allow apps and services to scan for Wi-Fi and nearby devices at any time.

  *Location may use sources like GPS, Wi-Fi, mobile networks, and sensors to help estimate your device's location. Google may collect anonymized location data to improve location accuracy and location-based services.

Convenience tools

Navigation

The device supports two types of navigation

Go to **Settings** > **Convenience tools**> **Navigation,** choose **Gestures** or **Navigation buttons.**

Gestures & motions:

Allow Gestures & motions to access your contacts (Allow/Deny).

Screen off gestures

Use specified gestures on the screen for quick access when the screen is off.

- **Double tap to wake**
- **Draw an O to open camera**
- **Draw a V to turn on/off flashlight**
- **Music control:** Enable this to draw II with two fingers to play or pause music, draw < or > for previous or next track.
- **Add gesture**

Three-finger screenshot

1. Enable this to take a screenshot by **swiping down with three fingers.**
2. Enable this to take a partial or scrolling screenshot by **touch and hold with three fingers.**

Power button

Double click the power button:

Set whether pressing the power button twice will turn on the camera.

Press and hold the power button:

- Press and hold the power button to turn on the device when the device is off.
- Press and hold the power button for Voice Assistant when the device is on, and it can also be changed to "power menu".

Screenshot

You can turn off or on delete the original image after editing; you can turn off the screenshot sound and change the position of the preview window here.

There are three methods to get a screenshot.

- **3-finger swipe down**
- **3-finger touch and hold:** Touch and hold with 3 fingers and then drag on the screen to select the region you want to capture.
- **Buttons:** press the Power button and the Volume Down button at the same time.
- **Tutorial**
- **Delete original image after editing**
- **Screenshot sound (on/off)**
- **Preview window location：** left and right

Quick launch

- Touch and hold the fingerprint sensor until icons appear. Without lifting your finger, slide it to an icon and then release to launch the corresponding for function or app.
- Immediately after unlocking the screen using your fingerprint and before icons appear, quickly slide your finger to the area where the target icon usually appears and release to launch the function or app.

Battery

Go to **Settings** > **Battery** to view battery details and set battery preferences.

Power saving mode: Enable this to extend battery life. Battery saver will turn off some device features and restrict apps.

You can choose to manually turn it on or select Turn off when fully charged.

Phone battery usage: View battery usage details since full charge and the list of which processes use the most battery.

Advanced settings：

High performance mode: The system always operates in a high-performance mode, but it will increase extra power consumption.

Optimize battery use: Automatically optimize apps that are draining battery in background.

Sleep standby optimization: Your phone consumes less power and reduces notifications when you are asleep.

Optimized night charging: To reduce battery aging, your phone learns from your daily charging routine so it can control the charging speed at night and avoid overcharging.

Show battery percentage on status bar (on/off).

Digital Wellbeing & parental controls

Your Digital wellbeing tools

Today: Show today’s screen wake up times.

Unlocks: Show today’s device unlock times.

Notifications: Show today’s notifications received times.

Ways to disconnect:

- **Dashboard:** Manage the dashboard by screen time, Notifications received and Apps times opened. Click the icons on the right of the Apps name to set app timer, once ran out, the app will be paused for the rest of the day, it will pop-up a window shows “App paused, your App timer ran out. It’ll start again tomorrow.”. You can click “SETTINGS” on the pop-up window to delete the timer.
- **Bedtime mode:** Use **Bedtime mode** to disconnect from your phone and avoid interruptions while you sleep. When it starts, Grayscale removes the screen’s color, do not disturb will mute sounds so you aren’t woken up by calls or notifications. When it ends, your phone changes back to its usual

settings.

- **Focus mode:** Set to pause distracting apps when you need time to focus.

Reduce interruptions:

- **Manage notifications:** Disable or enable app’s notifications.
- **Do Not Disturb:** Please refer Do Not Disturb for settings.
- **Heads up：** If you’re walking while using your phone, get a reminder to focus on what’s around you. Use with caution. Heads Up doesn’t replace paying attention.
  - **Permissions:** Physical activity and location (optional)
- **Show icon in the app list (on/off)**
- **Parental controls:** Add content restrictions and set other limits to help children balance their screen time.

App management

Go to **Settings** > **Apps management** to manage your device's apps, change their settings, view app info, set notifications and permissions, and more.

App list: You can check out the apps already installed on your phone here.

Default apps

Set the default apps for home, browser, phone, SMS, gallery, mail, and more.

Permissions manager

Set app permissions to use location, microphone, contacts, storage, call logs, and more.

Auto-launch apps

When this button is off, the settings below will save power. When this button is on, the settings below will ensure that you can continue receiving messages normally.

Display over other apps

You can go to **Settings** > **Apps management**> **Display over other apps** to view and configure supported apps. When you open the specified application in **Display over other apps**, the app will create a picture-in-picture window when you open or leave the application (such as continue to watch video), which displays on top of the other apps you are currently using.

* This function needs to be supported by the application itself.

Special app access

You can set special app access such as modify system settings, notification access, usage access, all files access, Wi-Fi control.

App Cloner

Create a new copy for the application to login to different accounts.

Go to **Setting** > App management > **App Cloner**. The list will show you the applications that supports App cloner. Tap the application to open App cloner.

Storage

Go to **Settings** > **Storage** to view storage details. You can free up storage space and view the amount of storage space occupied by various types of files.

Additional settings

Language & region

Set your system language and input method.

Languages: Set your system language.

- Tap **Add a language** to add language.
- Press and drag the selected language to the top of the list to set the language to the system language.

Date & time

Set system date and time.

- **Time zone:** Set the system time zone manually.

- **Use 24-hour format:** Enable this for the system time to be in the 24-hour format or disable it to use the 12-hour format.
- **Set automatically**

Keyboard & input method

You can set your preferred keyboard here.

- **Gboard**: multilingual typing
- **Google voice typing:** Enable this feature to enable you to enter text by voice. You can set the language using the following path：

Go > Keyboard & input method > Google voice typing > languages.

Note: You can choose between **Gboard** and **Google voice typing.**

Keyboard settings:

- Keyboard location (default/hide)
- Mistouch prevention: Swiping on the left or right edges of the keyboard will not return you to the previous page.

Input assistance:

- Autofill service**:** Enable this to automatically fill in saved data when you browse the web or enter your account password or in other scenarios. This function will require additional apps to be installed.
- Personal dictionary

Accessibility

The accessibility is optimized for the operation experience of visually impaired users, so that visually impaired users can use the phone smoothly.

- TalkBack

When TalkBack is turned on, it will provide you with voice feedback so that you don't need to look at the screen while using the device. This feature is very useful for the blind and those with low vision.

- Select to speak

When select to speak is enabled, you can click on certain items on the screen and the system will read them aloud.

- Text to speech（TTS）settings

You can customize the text-to-speech output.

You can also choose the language (temporarily support Chinese and English), speed and pitch according to your usage habits.

Magnification: quickly zoom in on the screen to display content more clearly.

Other functions: Color correlation, high contrast text, remove animations and color inversion.

- Sound Amplifier

Sound Amplifier supports quick enablement in

the following two ways:

1. To enable the sound enhancer, swipe up with both fingers and swipe up from the bottom of the screen;

2. Hold down the volume button and hold down both volume keys simultaneously to activate the sound enhancer.

Note: use sound amplifier on your phone to filter ambient noise, amplify faint sounds, and soften loud sounds. Sound amplifier works only with wired earphones.

- Mono audio

Merges channels when playing audio.

- Caption preferences

Live Caption detects speech in media and automatically generates captions.

- Hearing aids

To pair your hearing aids, find and tap your device on the next screen. Make sure your hearing aids are in pairing mode.

Some interactive actions:

- Switch access: Let people with motor impairments control phones and tables using one or more switches. Use switches to select items, scroll, enter text, and more.
- Accessibility menu: This is a large onscreen menu used to control your phone. From the menu, you can lock your screen, adjust the volume and brightness, take screenshots, and more.
- Press power button to end calls (on/off)

- Touch & hold delay (short/medium/long)
- Time to take action: Choose how long to show messages that ask you to take action, but are visible only temporarily.
- Vibration & haptic strength: Ring vibration, notification vibration, touch feedback.
- Large mouse pointer (on/off)
- Click when pointer stops: When a mouse is connected, you can set the mouse cursor to click automatically when it stops moving for a certain amount of time.
- Shortcut from lock screen(on/off): Use a shortcut on the lock screen to turn on accessibility functions.

Scheduled power on/off

For the convenience of users, the time switch on/off function is built in. You can go to **Settings** > **Additional settings** > **Scheduled power on/off**. to set this function.

Power menu

Show smart devices: control linked smart devices from one place.

When the device is locked, you can choose to show sensitive content or not.

OTG connection

Transfer data via OTG. Automatically turns off after 10 minutes of inactivity.

RAM Boost

Optimize RAM utilization based on your usage.

Back up and reset

- Back up & restore: Buck up data to or restore data from a local storage device.
- Google Backup: Using google to backup data.
- Erase all data (factory reset): Erase all data on phone.

Users & accounts

Multi-users

- **You (Owner):** Display the currently logged in user. Tap to change username (username defaults to the phone owner).
- **Guest:** Tap to switch to guest mode, and limit calls and some features. You can enable/disable the **Turn on phone calls** by tapping the settings icon to the right of the **Guest**.
- **Add user:** Share the device with other people by creating additional users.

About phone

View basic phone information, system version, and more in the **About phone** option.

- Device name: Tap to edit the device name.
- Android version: Show Android version and Android security update.
- Status: Tap to view the phone number, signal, etc.
- Version：This shows the baseband & kernel version.
- SIM card status
- Legal information: Tap to view the privacy policy, agreements, etc.
- Regulatory labels
- Award: Tap to view OxygenOS Contributors.

Tips & Support

Tips and Support provides tips and FAQ on device usage.

Apps

Learn about the apps on your OnePlus device.

Phone

Dialing

- Method 1: Tap the keypad (dial pad) button, enter the contact number, and press the call button to dial the number.
- Method 2: Browse your contacts or call logs, and tap the number to dial it.
- Answer or refuse incoming calls: Swipe down to reject a call or swipe up to accept it.
- Incoming call during normal use: The green button is to accept the call and red is to reject it.

Call screen

After accepting a call, the interface functions are as follows:

- **Speaker:** Enables loud speaker mode during call.
- **Keypad:** Opens the dial pad.
- **Mute:** Mutes the microphone.
- **Add call:** Adds multiple calls.
- **Hold:** Allows you to answer a new call by putting the current call on hold and then resume the current call when the new call ends.

Settings

Tap the menu button in the upper right corner to start settings.

Display options: Change the sort order rule, name format and turn on and off dark theme of contact' s background.

Quick responses: Respond to an incoming call with a text message.

Calling accounts:

- Answer/End call: Auto answer calls when connected to external audio device、Press Power button to end call、Vibrate when call is answered/ended.
- Flash on call: The camera flash will blink for incoming calls when the screen is locked.

Blocked numbers: When switched on, you won' t receive calls or texts from blocked numbers from unidentified callers.

Voicemails: Set voicemail notification as Important or Other.

Accessibility: Set TTY mode and hearing aids compatibility.

Assisted dialing: To enable or disable " Assisted dialing " while roaming, and "Default home country/region code" .

Caller ID & spam: Switch on to identify

business and spam numbers based on data provided by Google.

Advanced:

- **Caller ID announcement:** the caller’s name and number will be read out loud for incoming calls.

Contacts

Contacts has following functions: Edit, delete, search, import/export, set labels manage blocked numbers and more.

Add a contact

1. Enter Contacts
2. Tap “Create new contact” to create new contact
3. Enter contact information
4. Tap “save” in the upper right corner to save it

File Manager

In File Manager you can quickly access and manage a variety of files.

Enter the application drawer and open the File Manager application.

Categories: Check files by file category, including Documents, Downloads, Recent, Images, Videos, Audio and so on.

Storage: View and manage folders and documents stored on your phone.

Details: Search file: Tap and then enter key words to find your files.

Messages

Send, receive, and view Messages through the Messages app.

Send message

1. Open the Messages application.
2. Tap the button in the lower right corner.
3. Select recipient.
4. Enter SMS content.
5. Tap the send icon in the lower right corner to send a message.

View and reply message

Messages are sorted by time.

1. Open the Messages app.
2. Select the message you want to view from the list.
3. If you want to reply to a message, enter the message in the text box at the bottom of the screen, and then tap the send icon on the right to send it.

Weather

Provides the weather forecast and early warning function.

- **Check the weather: Open the app drawer and open the Weather app**

  Provides information on weather, temperature, the following six days of weather, the following 24 hours of weather, wind direction, body temperature, humidity, visibility, pressure and more.

- **Add city:** Tap " " , tap the "+" button, enter the city name to search, and select the city to add.

- **Switch city:** Swipe left and right to switch between cities.

- **Settings**

  Tap the menu button in the upper right corner and select **Settings**.

  - **Weather alert:** Enable this to receive weather notifications.

  - **Temperature:** Select the temperature unit – Celsius or Fahrenheit.

  - **Wind:** Select the wind unit, like Meters per second – m/s, Kilometers per hour – km/h, Feet per second ft/s , Miles per hour- mph, Nautical miles per hour – kts.

- **Precipitation:** Select units of precipitation, Millimeters – mm, Inches – in.
- **Visibility:** Select units of visibility, Kilometers – km/ Miles – mi.
- **Pressure:** Choose the unit of pressure, Hectopascals – hPa, Millimeters of mercury -mmHg, Inches of mercury – inHg.
- **Rate Our App:** OnePlus Weather
- **About**

Calculator

Calculator provides common calculator functions.

Enter the application drawer and open the Calculator app.

- **Basic Calculator:** The calculator provides a basic calculation mode by default, which can perform simple addition, subtraction, multiplication and division calculations.
- **Scientific Calculator:** Tap the spread icon on the left bottom corner to enter scientific mode.
- **View history:** Swipe down to view history, and tap the CLEAR button in the upper right corner to clear it.

Recorder

Recorder provides recording and playback functions.

Enter the application drawer and open the Recorder app.

- **Record:**
  - **Start recording**: Tap to start recording.
  - **Pause the recording:** Tap to pause a recording.
  - **Insert tags:** Tap to insert tags.

Set the recording format: You can set the recording format (aac / wav) by selecting the settings in the upper right corner of the main interface.

- **Recording playback and management:**
  - Enter the recording file list. **Play recording:** Tap the recording to play.
  - **Delete recording**: Long press the recording that needs to be deleted and tap the delete button.

Notes App

Sticky notes let you to take quick notes and edit text and pictures.

- **Add note: Tap to** add a note. Supports text, album pictures, photos, lists, to-do items. Allows to delete notes, set reminders, etc.

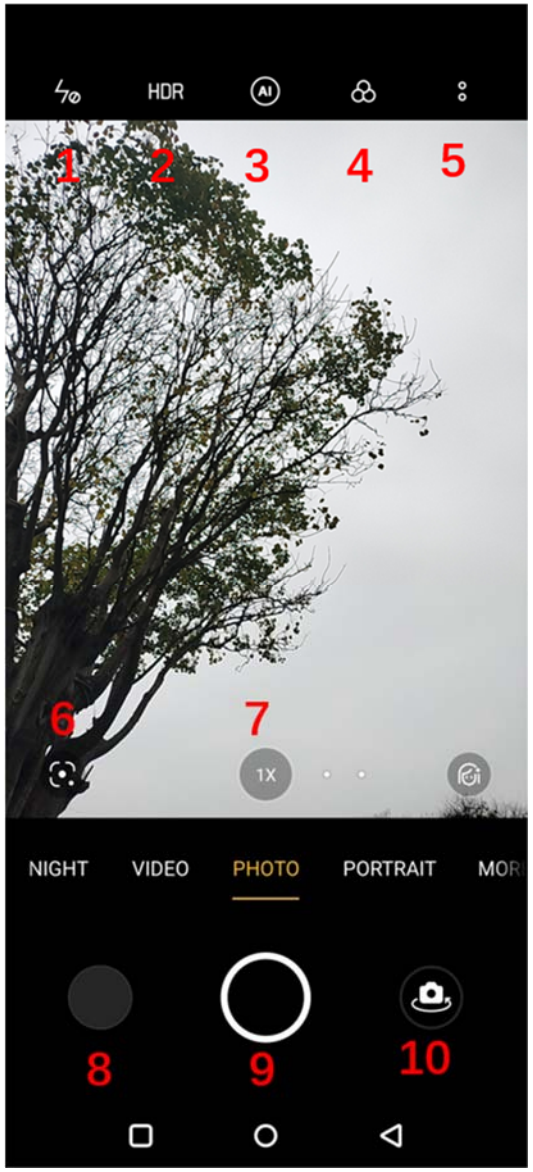
- **Search notes:** Tap and enter the keywords to search.
- **Delete a note:** Long press the note that you want to delete and tap the "delete" button.
- **Share a note:** Open the note you want to share, tap the share button in the upper right corner, select the sharing method, and then press the page prompt to complete the sharing.
- **Add reminders to your notes:** Open the note and tap the menu icon in the top bar, then select reminder to set the date and time for the reminder.

Camera

The OnePlus Nxxx NXX 5G camera offers powerful photo and video capabilities, including portrait mode, slow-motion video, panorama mode and more.

Photo

According to the number shown in the figure, the main interface functions of camera are as follows:



1. Flash: Tap Off/On/Auto/Fill light

2. HDR: Tap Off/On/Auto

3. AI scene enhancement: Tap Off/On

4. Filter: Tap to switch to Original and others

5. Settings: Tap to change camera settings

6. Google Lens: Tap to switch to Google Lens

7. Zoom: Tap or drag the icon to zoom

8. Gallery: Tap to view the latest photos in Gallery

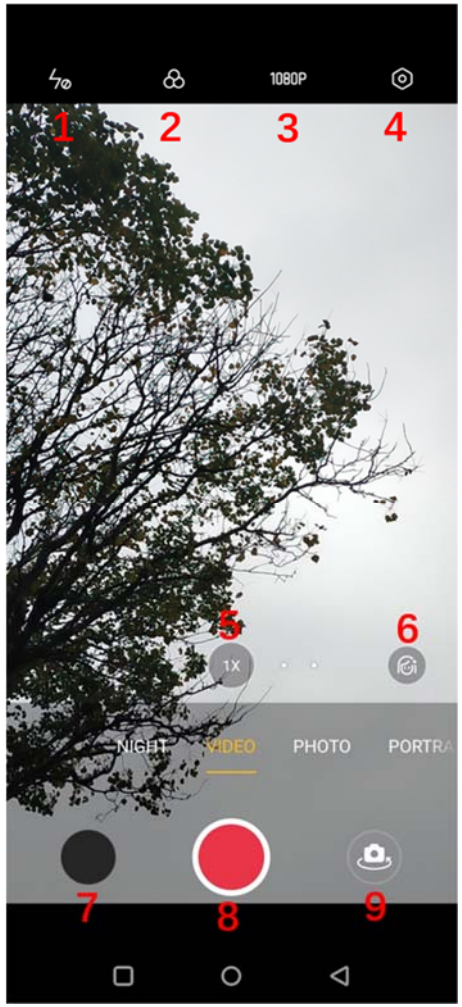
9. Photo button: Single tap to take a photo and long press to take multiple photos (burst mode)

10. Switch camera: Tap to switch the front/rear camera

Video

Go to the camera app and tap VIDEO. The

video interface features are as follows:



1. Flash: Tap Off/Fill light

2. Filter: Tap to switch to Original and others

3. 1080P: Tap to switch 1080P/720P

4. Settings: Tap to change the camera settings

5. Zoom: Tap or drag the icon to zoom

6. AI retouching: Tap to adjust the percentage of AI retouching

7. Gallery: Tap to view the latest photos in Gallery

8. Video: Tap to start/end video

9. Switch camera: Tap to switch the front/rear camera

Mode selection

Swipe left and right to switch between different modes.

- **NIGHT:** Suitable for shooting city night scenes.
- **VIDEO:** Video shooting function.
- **PHOTO:** Simple photo taking function.
- **PORTRAIT:** Portrait (depth effect) photo function. The professional portrait lighting effect makes portrait photos easy.
- **SLO-MO:** Records videos at a high frame rate. When played in normal frame rate, movements are slower.
- **TIME-LAPSE:** Records videos at a high frame rate. When played, the video appears to be moving faster.
- **EXPERT:** Photo mode with more professional settings.
- **EXTRA HD:** Photo mode with Extra HD quality.
- **PANO :** Photo mode with panoramic pictures.
- **MACRO:** Photo mode with Macro.

Gallery

All images and videos are saved by default in the Gallery app, which includes albums, recently deleted photos, and photo editing functions.

- **Photos:** Photos and videos are displayed in

a timeline list view.

- **Collections:** This includes commonly used albums, recently deleted albums and other albums. Tap albums to view specific lists and photos.

- **Explore:** This includes Smart category feature and Story function. Smart category will categorize photos by “people”, “places” and “things” and other standards. Story feature will create personal videos automatically based on specific photos.

Clock (in shortcuts)

- **Add alarm clock:** Tap the "+" button below to add and set a new alarm.

- **Alarm clock time:** Drag the dot in the dial to set the hours. Drag it again to set the minutes. Tap AM/PM to select the time period.

- Tap the keyboard icon on the middle right to switch to the numeric keyboard to input the time.

- Repeat: You can choose Monday to Sunday. Tap the downward arrow on the right to enter the calendar for custom selection.

- Alarm Ringtone: Select the alarm clock ringtone from system ringtones or local storage, or disable the ringtone.

- Vibrate: When the alarm clock rings, the

phone will vibrate at the same time.

- Label: An alarm note will be displayed on the screen when it rings.
- Delete alarm: Long press the alarm you want to delete and tap "Delete".

World clock

Add region: Tap the globe icon at the bottom of the screen to check and select the cities from the list.

- **Comparison time:** Drag the dot on the dial to see the time of the city you added.
- **Weather:** The weather will be showed when you tap on the city name.

Timer

- **Add countdown:** After entering the minutes and seconds, press the start button to start the countdown.

  After starting a countdown, you can select the button in the lower right corner to add another countdown. (Swipe up/down to view other timers)

- **Delete countdown:** Tap 🗑 to delete a specific countdown time.
- Pause: Tap ⏸ to pause a countdown.
- **Label:** Tap "Add Label" to input whatever you want to rename it.

Stopwatch

Start: Tap to start the timer.

Pause: Tap to pause the timer.

Mark: Tap to mark.

Share: Tap to share the timer.

Zen Mode

Zen Mode allows you to put the phone down and enjoy your life just yourself or with others you like. Once started, it can’ t be canceled, and incoming notifications will be temporarily muted. Applications except camera will be locked, but you can still receive phone calls and use the emergency call.

- Turn on Zen Mode

  There are two ways to turn on Zen Mode.

  1. Pull the notification panel down > tap Zen Mode.
  2. Zen Mode can be dragged to the desktop and turned into an icon.

  * Zen mode can be uninstalled.

  In Zen Mode >tap the time> set the duration >Swipe left or right to switch between different themes > tap the button below to start.

- Set Zen Mode: Enter Zen Mode > tap profile

icon in the top right corner and then tap settings icon. Set the default duration, daily reminder, notification and more.

- Group-Zen: You can create a room, and share to friends by SNS. It is not limited to OnePlus.

Clone Phone

"Clone phone" allows you to quickly migrate contacts, call logs, text messages, pictures, audio, video, notes, apps, downloads, documents, and other data from your previous phone to your new phone. Clone phone also provides local backup and recovery.

Google Apps

Enjoy applications powered by Google. Visit Google.com to learn more.

Google

Find online content with tools that learn what you are interested in. Turn on your personalized feed to receive customized content.

Chrome

Browse the Internet with Chrome and bring your open tabs, bookmarks, and address bar data from your computer to your mobile device.

Gmail

Send and receive email with Google's web-based email service.

Maps

Get directions and other location-based information. You must enable location services to use Google Maps.

YouTube

Watch and upload videos from your device.

Drive

Open, view, and share files saved to your Google Drive cloud account.

Duo

A video calling app that allows you to connect with the people who matters most.

Photos

Store and back up your photos and videos automatically to your Google Account with Google Photos.

YouTube Music

A new music app by Google that allows you to easily find the songs and videos you’re looking for and to discover new music.

Files

Files is a file management app for file browsing and transfer.

Calendar

Google Calendar is an app for time management and schedule.

Assistant

Google assistant is an artificial intelligent assistant. Refer to "Google Assistant" for more details.

Play Store

Play store is an online application store, you can install applications you need here.

Advanced

Learn about advanced tips for your phone

Gaming mode

OxygenOS provides "Gaming mode" to stop you from being disturbed when you are gaming. You can configure this in **Games.**

General

- **Gaming Tools:** A collection of convenient gaming tools. Swipe down from the upper left or right corner of the screen while in Gaming Mode.

➢ Touch settings: Allows players to adjust touch sensitivity & touch handedness, and it can provide richer customization (for example: notification bar settings, etc.)

➢ Monitor Data: Real-time FPS/GPU/CPU data can be displayed in-game.

➢ Add whatsapp, discord and messenger: Provide a more convenient social channel for players.

- **Show game icons in Games only:** The game icons on the desktop and drawer will be hidden.

Do not disturb

- **How to show notifications:** Select the notification display mode when game mode is on. There are four modes: Heads up, Text only, Bullet screen and Block.
- **Disable automatic brightness:** lock

screen brightness when Gaming mode is turned on

- When you do not want to be disturbed by a message, enable Do Not Disturb mode. The phone will not ring or vibrate when it receives a notification, except for alarms and settings. Scroll to the notification bar and tap to enable the "Do not disturb" function. See Do Not Disturb for settings.

Other

- **Pro Gaming mode:** Supercharge your gaming experience. An advanced gaming mode for professional game players. This mode will block all notifications and calls, and you can see the missed calls in the call history to catch up later.

  This mode will eliminate all gaming mistouches and interruptions by disabling Quick settings, navigation gestures, and Gaming Tools.

Game Filters:

1.Game filters only supports PUBG Mobile.

2.Game filters supports some of the filters, including HDR, Night vision, Dark correction, Retro film.

App Cloner

Create a new copy for the application to login to different accounts.

Go to Setting > App management > App Cloner. The list will show you the applications that supports App cloner. Tap the application to open App cloner.

Display over other apps

You can go to Settings > Apps management >Display over other apps to view and configure supported apps. When you open the specified application in Display over other apps, the app will create a picture-in-picture window when you open or leave the application (such as continue to watch video), which displays on top of the other apps you are currently using.

* This function needs to be supported by the application itself.

Reboot, Update, Backup, Recovery

Learn to upgrade and reset your OnePlus device

Reboot or force reboot

Most issues can be resolved by rebooting your device in the following two ways:

1. When powered on, press power button and volume up button simultaneously, and then tap "Restart" to reboot the device.
2. When powered on, long press the power button and volume up button for 10 seconds, the phone will shut down, and then press the power button to turn on the device again.

System updates

1. Enter **Settings** >**Software update** Then the system starts to check for updates.
2. Follow the instructions to download and update.

* If your device is up to date, you will not see the instructions.

Backup and Restore

Create a backup or recovery when needed.

Backup and restore by Clone phone.

Refer to Clone phone for more information.

Use Google drive for backup and recovery.

Create backup

1. Access **Settings** > **Google**, login **Google account and enable Account sync**.
2. Wait for the system to complete synchronization automatically.
3. Use the Wi-Fi network to back up your device as the data size may be too large to back up using mobile data.

Restore Backup

After a factory reset or when you switch to a new device, log in to your Google account on the device and enable Account sync to restore the data on the phone.

Factory reset

Note:

1. Restoring factory settings will wipe all app data, contacts, text messages, and so on. Backup important data before a factory reset.
2. If "Erase internal storage" is enabled, ensure that all important files, such as photos and documents in the phone and local backup, have first been copied to another device.

Operating guidelines:

1. **Settings** > **Additional settings** > **Back up and reset** > **Erase all data** (factory reset)
2. Tap **ERASE ALL DATA**

3. Enter passcode. (If passcode is enabled)

4. Wait till the factory reset is complete.

Accessibility

Learn about Special features that make using the device easier for people with physical disabilities.

Magnification

Go to **Settings** > **Additional settings** > **Accessibility**> **Magnification** >**Magnification shortcut**.

To zoom in:

1. Use the preset shortcut to start magnification.
2. Tap the screen.
3. Drag with two fingers to move around the screen.
4. Pinch in or out with two fingers to adjust zoom.
5. Use the shortcut again to stop magnification.

To zoom in temporarily

1. Use the preset shortcut to start magnification.
2. Touch and hold anywhere on the screen.
3. Drag your finger to move around the screen.
4. Lift your finger to stop magnification.

Note:

You can't use zoom function on the keyboard or navigation bar.

Power button ends call

Go to **Settings** > **Additional settings** > **Accessibility** and then enable "Press Power button ends call". This allows you to end a call

by simply pressing the power button.

Color inversion

Go to **Settings** > **Additional settings >** **Accessibility** and enable "Color inversion" to invert the display colors.

Color correction

- **Deuteranomaly:** red-green
- **Protanomaly:** red-green
- **Tritanomaly:** blue-yellow

High contrast text

Go to **Settings** > **Additional settings** > **Accessibility** > **High contrast text**. Enable this function to increase the contrast with background.

Safety information

View Safety information for your device.

Legal Notice

Declaration

Without prior written permission of OnePlus, reproduction, transfer, distribution or storage of the contents in this document in any form is prohibited. OnePlus operates a policy of ongoing development. Thus, OnePlus reserves the right to make changes or improvements to any of the products described in this document without prior notice. The contents of this document are all provided "as is". Except as required by applicable law, no warranties of any kind, either express or implied, are made in relation to the accuracy of this document. To the maximum extent permitted by applicable law, under no circumstances shall OnePlus or any of its licensors be responsible for any loss of data or incur any special, incidental, consequential, or indirect damages caused.

Availability of product supplies, application software, and accessories may vary. For detailed information, please refer to an authorized OnePlus distributor. This device

may contain commodities, technology, or software subject to export laws and regulations. Diversion contrary to law is prohibited.

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The N-Mark is a trademark or registered trademark of NFC Forum, Inc. in the United States and in other countries.

Other trademarks, product, service and company names mentioned may be the property of their respective owners.

Privacy Policy

OnePlus is constantly striving to protect your personal information. To better understand how we protect your personal

information, you can read our "Privacy Policy" in the Setup Wizard when you turn on your phone for the first time. You can also check our "Privacy Policy" by following the steps: Settings > About Phone > Legal Information > Privacy Notice.

Regulation Information

Regulatory information can be found on your device by accessing through 'About Phone' found in the 'Settings' menu.

Settings > About Phone> Regulatory labels.

Precautions for using the device

Please read all the safety and health information carefully before using your device to ensure its safe and proper operation.

General Safety Information

Failure to follow these guidelines may cause harm to your device, property, yourself, or others.

- Do not switch on the device where

prohibited or when it may cause interference or danger.

• Do not use device at gas stations, service stations, or near fuel or chemicals.

• Please do not store or carry your mobile phone or accessories near liquid or flammable gas.

• Do not place the phone near magnetic cards or other magnetic objects, since information stored on floppy discs, memory cards and credit cards could be damaged by magnetic radiation.

• Do not place the battery, phone or charger in a microwave oven or other high voltage equipment. Otherwise, it may cause circuit damage, fires, or other damage.

• Do not disassemble or open, crush, bend or deform, puncture, or shred.

• All wireless devices, including mobile phones, might be susceptible to interference, and it can also cause interference. Please check all laws and regulations when using your mobile phone,

especially in airplanes, hospitals or medical institutions.

- Only use branded accessories and batteries that are approved by OnePlus. Accessories which are not approved by OnePlus may damage the phone or violate local regulations for radio devices. OnePlus will not take any responsibility for accidents or problems caused by using accessories that are not approved by OnePlus.

- The device is designed for water resistance under certain conditions, but OnePlus does not recommend excessive submersion. Liquid damage will void the warranty.

- When connecting with other devices, please follow the safety guidelines presented in this manual. Do not attempt to connect your device with incompatible products.

- Please do not use the phone if antenna is damaged. Otherwise, it could cause injury.

- Please keep metallic objects away from phone receiver. Small metallic objects may

be attracted to the device and personal injury or device damage could occur.

• Keep a minimum distance of 15 cm between a wireless device and an electronic implant (pacemaker, insulin pumps, neurostimulators, etc.). If wearing an electronic implant, hold the device on the side opposite the implants.

•Keep the device away from the belly of pregnant women.

•Keep the device away from the lower abdomen of adolescents.

•Children and adolescents should make reasonable use of the phone. Avoid night communications and limit the frequency and duration of calls.

• Only connect to power sources with USB 2.0 or above.

• To reduce the level of exposure to radiation, you should use the mobile telephone proximity to the network tower or use of accessories (hands-free kit etc.) or use loudspeaker if suitable; Using the device under good reception conditions

(when the signal indicator displays a full signal on the signal reception bar) can reduce the amount of radiation received; Give priority to the use of data, SMS and MMS messages rather than calls.

Battery Safety

• Please do not attempt to repair, disassemble or modify the battery. Replacing battery by an incorrect type could lead to explosion. Your phone can only use OnePlus authorized batteries. Using third-party products may cause battery leakage, overheating or fires.

• Do not place or use battery near fires, heaters, direct sunlight, or other heat sources. Prolonged exposure to heat may cause battery leakage, explosions, or fires.

• Please do not place pressure on or pierce the battery with hard objects. Damaging the battery could cause battery leakage, overheating, or fires.

• Do not short-circuit a battery or allow metallic or conductive objects to contact the battery terminals.

• Avoid dropping the phone or battery. If the phone or battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.

• If you experience any battery abnormalities, such as high temperature, discoloration, distortion, or leakage, immediately discontinue usage of the device and contact customer support.

• All batteries have a limited lifespan and will begin to lose capacity after several hundred charges/discharges.

• Do not dispose of the battery as household waste. Refer to local regulations.

Charging Safety

• The charger is intended for indoor use only.

• Do not charge the battery under the following conditions: in direct sunlight, in temperatures below 5°C; in areas with humidity, dust or strong vibrations; in areas near a TV, radio or other electrical appliances.

- The charger shall be installed near the equipment and shall be easily accessible.
- The maximum ambient charging temperature of the equipment declared by manufacturer is 35°C.
- Sockets that are dirty may cause poor contact with the charger and your phone may fail to charge properly.
- Please only use the official OnePlus charger. Using unauthorized chargers can be dangerous and can void your warranty.
- Make sure to only use outlets with the correct voltages (as label led on the charging brick). Using an incorrect voltage can damage your phone and/or battery and lead to injury.
- Do not use unsafe plugs or outlets.
- Do not use a short-circuit charger.
- Do not connect your device to a high-voltage power supply or the battery could become damaged.
- Do not disassemble or modify charger, as this may lead to personal injury, electric shock or fire.

• Do not touch the charger, cable or power socket with wet hands, as this may cause electric shock.

• Do not place heavy objects on the power cord or attempt to modify any cables.

• Make sure to grasp the charger firmly while unplugging it.

• Do not pull the power cord as this may lead to damage and cause electric shock or fire.

• Before cleaning the device, unplug the power plug from the socket.

• Unplug the charger from electrical outlets and the device when not in use.

Driving Safety

• Do not use the device and safety should take priority when you are operating a vehicle. Be sure to obey related regulations in the area or country in where you drive.

• Do not place your phone or accessories near safety air bags.

• Compass and GPS information are only used for reference purposes.

• If you do not wish to disclose your

location, be sure not to use applications that can record your location.

Health Information

• To prevent possible hearing damage, do not listen at high volume levels for long periods.

• Damage to the display or battery could lead to leakage of the liquid. If this liquid comes in contact with your eyes, skin or clothes, immediately rinse your eyes (do not rub) or wash skin with water thoroughly and seek medical attention.

• Some people may get dizzy or experience medical problems in response to flashing lights. If you are at risk, please consult your doctor before using this device. If you have the following symptoms: headache, dizziness, convulsion, eyes or muscle cramps, loss of consciousness, or involuntary body movements, please stop using the device immediately and seek medical attention. Avoid using the device for extended periods and keep proper distance from your eyes.

FCC Regulatory Conformance

FCC Notice

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference; and

(2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

NOTE: 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 to part 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.

FCC Caution

• Any changes or modifications not expressly approved by the party

responsible for compliance could void the user' s authority to operate the equipment.

• The antenna(s) used for this transmitter must not be collocated or operate in conjunction with any other antenna or transmitter.

• The country code selection is for non-US model only and is not available for all US models. Per FCC regulation, all Wi-Fi products marketed in US must be fixed to US operation channels only.

Specific Absorption Rate(SAR) certification information

• This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

• Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands.

• Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

• The exposure standard for wireless devices employing a unit of measurement is known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg.

• This device is complies with SAR for general population /uncontrolled exposure limits in ANSI/IEEE C95.1-1992 and has been tested in accordance with the measurement methods and procedures specified in IEEE1528.

• The FCC has granted an Equipment Authorization for this model device with all reported SAR levels evaluated as in compliance with the FCC RF exposure

guidelines. SAR information on this model device is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on FCC ID: 2ABZ2-AA455.

- For this device, the highest reported SAR value for usage against the head is 1.16 W/kg, for usage near the body is 1.18 W/kg.

- While there may be differences between the SAR levels of various devices and at various positions, they all meet the government requirement.

- SAR compliance for body-worn operation is based on a separation distance of 15 mm between the unit and the human body. Carry this device at least 15 mm away from your body to ensure RF exposure level compliant or lower to the reported level. To support body-worn operations, choose a belt clip or case that does not contain metallic components, to maintain a separation of 15 mm between this device and your body. RF exposure compliance with any body-worn accessory, which contains metal, was not

tested and certified, and use such body-worn accessory should be avoided.

For information about SAR, visit:

- https://www.fcc.gov/general/radio-frequency-safety-0
- https://www.fcc.gov/general/specific-absorption-rate-sar-cellular-telephones

Hearing Aid Compatibility (HAC) regulations for Mobile phones

- Your phone is compliant with the FCC Hearing Aid Compatibility requirements.
- The FCC has adopted HAC rules for digital wireless phones. These rules require certain phone to be tested and rated under the American National Standard Institute (ANSI) C63.19-2011 hearing aid compatibility standards.
- The ANSI standard for hearing aid compatibility contains two types of ratings.
- M-Ratings: Rating for less radio frequency interference to enable acoustic coupling with hearing aids.
- T-Ratings: Rating for inductive coupling

with hearing aids in tele-coil mode.

• Not all phones have been rated, a phone is considered hearing aid compatible under FCC rules if it is rated M3 or M4 for acoustic coupling and T3 or T4 for inductive coupling. These ratings are given on a scale from one to four, where four is the most compatible. Your phone meets the M3/T3 level rating.

• However, hearing aid compatibility ratings don't guarantee that interference to your hearing aids won't happen. Results will vary, depending on the level of immunity of your hearing device and the degree of your hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

• This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have

not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

- Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. For more information about FCC for Hearing Aid Compatibility, please go to

https://www.fcc.gov/consumers/guides/hearing-aid-compatibility-wireline-and-wireless-telephones

Regulatory labels: Settings>About phone>Regulatory labels

Care and Maintenance

The following suggestions will help you maintain and prolong the life of your device.

• Only qualified and authorized personnel should make repairs to this product.

• Disabling features such as Bluetooth and Wi-Fi when not in use and dimming the screen can help you save energy and extend battery life.

• Clean your phone and charger with a soft, clean, dry cloth. If the screen comes into contact with liquid or dust, please clean it immediately. Do not use alcohol or irritating chemicals to clean the device.

• Touching the screen with a sharp object may cause the screen to be scratched.

• Please do not touch the connection port of the phone, as static electricity may harm components in the device.

• Ideal operating temperatures are 0°C to 35°C, Ideal storage temperatures are -20° C to +45 °C.

• Only operate your phone between 35% to 85% humidity.

• Do not place the phone on uneven or unstable surfaces.

• Do not hit, press, shake or drop the

phone to avoid damage and injury.

• Chargers are not waterproof. Please do not use these devices in the bathroom, areas of high temperature, humidity or dust; please avoid rain.

• When the phone is transmitting data or saving information, do not remove the SIM card.

• Please keep the phone out of reach of children in order to prevent injuries or property damage.

OnePlus Device Warranty Information

OnePlus devices purchased on oneplus.com or authorized sales channels come with a limited warranty. The duration of this warranty is dependent on the original country or region of purchase and is only redeemable within the original country or region. Unless otherwise specified, this warranty covers the hardware components of the product as originally supplied and does not cover, or

partially covers, software, consumable items, or accessories, even if packaged or sold together with the product. The limited warranty only covers functional defects of product caused by workmanship or build materials. For more details, please contact OnePlus Customer Support by visiting oneplus.com/support.

The limited warranty does not cover

1. Defects or damage resulting from accidents, neglect, misuse, or abnormal use; abnormal conditions or improper storage; exposure to liquid, moisture, dampness, sand or dirt; unusual physical, electrical or electromechanical stress.

2. Scratches, dents and cosmetic damage, unless caused by OnePlus.

3. Defects or damage resulting from excessive force or use of metallic objects on the touch screen.

4. Devices that have the serial number or the IMEI number removed, defaced,

damaged, altered or made illegible.

5. Ordinary wear and tear.

6. Defects or damage resulting from the use of the product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by OnePlus.

7. Any physical feature defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by OnePlus.

8. Defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source.

9. Defects or damage resulting from cellular signal reception or transmission, or viruses and 3rd party software problems introduced into the product.

10. Free warranty replacements and repairs are only valid in the country or region of

purchase. Please contact OnePlus Customer Support for more details.

Return Policy (Limited to Europe & North America)

OnePlus phones and accessories are made to the highest standards and undergo rigorous testing. If you are not satisfied with your OnePlus product for any reason, you may request a return within 15 calendar days of delivery. Once we approve your return request and receive the product, we will perform standard inspection. And if the product passes the inspection, we will give you a full refund. Any shipping and handling fees incurred in the return process are not covered by the refund.

Return requests made outside of the 15-day period will not be accepted. We may also choose not to accept returns within these circumstances:

1. Defects or damages caused by misuse, neglect, physical damage, tampering, incorrect adjustment, normal wear and tear

or incorrect installation after purchase.

2. Price fluctuations being the sole reason for return.

3. Customized customer contracts for UK consumers. In accordance with the U.K. Consumer Rights Act 2015, any goods that are not (1) of satisfactory quality; (2) fit for their given purpose; or (3) as described, may be returned free of charge within 30 days of delivery. Please submit a ticket describing the problem with your device. In order to be eligible for a refund, you must contact us within 30 days and describe in details how the goods were defective, damaged, or materially different. We may choose not to accept returns for any of the above-mentioned circumstances. In all cases, we will inspect the product and verify the fault. To qualify for a replacement or refund, device must be in "as new" condition and include all original contents of the package. We reserve the right to refuse a refund or exchange if the product returned is deemed to have been damaged.

This policy is only applicable to the products purchased from OnePlus official website www.oneplus.com or OnePlus Exclusive Store. For any product not purchased from OnePlus official website or OnePlus Exclusive Store, you may refer to the Return Policy of the retailer in question.

Please contact OnePlus Customer Support to request a return at oneplus.com/support.