

Basic Phone Use

Performance

Customization & More Control

Security

Basic Phone Use

- Home Screen - Trebuchet
 - Cyanogen includes the Trebuchet Launcher as the default home screen. Swipe left or right to scroll through available pages.
 - To move icons and widgets, press and hold on any icon or widget and then drag to place it where you want.
 - You can create folders by dragging and dropping one app icon on top of another.
 - New apps are automatically added to the first empty space on your home screen when the app is installed.
 - To create additional home screen pages, simply drag any app icon, folder, or widget to the edge of the screen. Trebuchet will automatically create a new page. New pages will also automatically be created when apps are installed if there are no empty locations for a new app icon.
 - To access configuration options for your home screens, press and hold on any empty space on your home screen. From here, you can rearrange your home screen pages, set the default home screen page, change the scroll effect, change your wallpaper, add widgets, and access the system settings.
 - Additional configuration options for Trebuchet are available from the System Settings menu by selecting Home, then Trebuchet, and clicking the “Settings” button at the bottom of the screen.
 - You can also double tap your phone to wake it from its dormant state

Phone Status & Notifications

Phone status and notification icons will appear in the status bar at the top of the screen. You can use one finger to swipe down and see notifications and two fingers to swipe down to show tiles for quick configuration.

Cyanogen includes some unique status and notification icons:

- The cellular network signal strength indicator will include one of the following to show the type of data network/speed you are currently connected to:
 - LTE Connected to a broadband LTE network
 - H/H+ Connected to a highspeed HSDPA/HSPA+ network
 - 3G Connected to a UMTS network

- E Connected to an Edge network
- The Privacy Guard icon will be displayed when an app is running with the Privacy Guard feature enabled
- When the device is connected via USB to a computer, the “Cid” icon will be displayed if USB Debugging is enabled (advanced/expert users)

Quick Settings panel

You can quickly see and change a variety of settings on your device via the Quick Settings panel.

By default, the Quick Settings panel can be accessed either by swiping downward from the right side of the status bar, or by pressing the “Quick Settings” button in the topright corner of the notification drawer.

You can tap on any tile to toggle that feature on/off, cycle through available modes, or access additional settings, as applicable.

Performance

Camera

Cyanogen comes equipped with an advanced Camera application that's optimized for an ideal user experience.

Basic Use

Taking Photos - Open the Camera app, aim the camera at your target, and tap the Camera Shutter button. That's it!

Recording Video

With the Camera app open, tap the Video Shutter button. Your device will immediately begin recording. Press the red Stop button to finish recording.

Taking Panoramic Photos

With the Camera app open, tap the Panorama button. Point the camera at the far left or far right of the area you want to include in the photo then press the Panorama Shutter button. While making sure to keep the device level, rotate your body to pan the camera slowly across the scene. The blue meter will indicate how much of the scene has been included in the photo.

Tap the Stop button, or pan until the blue meter is filled, to finish capturing your photo. The will then be processed and saved. To return to standard photo mode, press the x button

Reviewing Photos and Videos

Swipe right to left on the display to access your previously recorded photos and videos. Select an item to edit, delete, or share it with others.

Front & Back Cameras

To switch between front and rear facing cameras, press the Switch Camera button at the top the settings panel.

Flash

To cycle through available flash modes, press the Flash button on the settings panel. Available modes are On, Off, Auto, and RedEye Prevention

Additional Settings

Picture & Video Modes

Tap the Circle button on the settings panel to change advanced picture and video settings such as Contrast, Color Temperature, Scene Type, and Delay Timer

Advanced Configuration

For more camera and video settings, tap the Options button on the settings panel.

Swipe left and right to switch between menus.

<i>Size</i>	Set the size of pictures in megapixels
<i>Quality</i>	Set the compression level of pictures. Higher quality equals lower compression.
<i>Burst mode</i>	Enable to take multiple photos in quick succession
Advanced	
<i>Touch focus duration</i>	Set how long after touching the screen to set the focus point before auto focus resumes
<i>Focus mode</i>	Specify how the camera should adjust focus
<i>ISO</i>	Set the camera's light sensitivity
<i>Antibanding</i>	Enable or disable Antibanding

Video

<i>Size</i>	Set the video resolution
<i>Time lapse</i>	Tap to enable/configure time lapse video
<i>Slow Motion Video</i>	
Advanced	
<i>Video codec</i>	Set the video codec
<i>Audio codec</i>	Set the audio codec

General

<i>Power shutter</i>	Check to make the power button take photos
<i>Volume zoom</i>	Check to make volume buttons control zoom
<i>Left handed</i>	Check to adjust controls for left handed use

Custom Gallery

The Gallery application provides access to all of the photos and videos stored on your device, as well as media stored on cloud services. To change the gallery view, or add new cloud services, open the drawer by tapping the Drawer button in the top left corner of the gallery app, just below the status bar.

Organization

The gallery can be organized by Moments, Albums, or All Media.

- **Moments** organizes your media into groups based on the date and time they were recorded
- **Albums** shows photos and videos grouped by storage location for local media, and in groups provided by connected services
- **Media** displays all photos and videos in a list, sorted by date and time

Services

You can add cloud storage services with photos and videos to be displayed in the Gallery, such as Facebook, Google+ and more.

To add new cloud services to the gallery, open the drawer by tapping the Drawer in the topleft corner of the gallery app, just below the status bar, then tap the +button and select a service. Follow the onscreen instructions to complete the process.

You can filter the gallery to show only photos and videos provided by a single service by selecting a provider you've added from the Drawer.

Slide Show

Whenever you have a list of photos and videos displayed in the gallery, you can tap the Menu button in the topright corner and select Slide Show to start a presentation.

AudioFX

The AudioFX application offers users an unmatched matched music consumption experience. You have control over:

- 24-Bit High-Res Lossless Audio
- Low power consumption
- 13 Presets
- BassBoost
- Surround
- Reverb
- USB On The Go Support

Baton by Nextbit

- Sync - Keep apps and data in sync across multiple devices
- Pass - Send any open app in its current state to another device
- Backup and Restore - Save apps and data to your Nextbit profile

Nextbit only supports whitelisted apps. You can find which apps you have that are supported in the Nextbit app

Customization and More Control

Themes

Themes on Cyanogen OS allow you to customize the following elements either all at once or individually:

- Overlays (Notification drawer, etc)
- Icons
- Fonts
- Wallpapers (homescreen & lockscreen)
- Boot Animation
- Sound packs (includes ringtones, alarm and notification sounds)
- Navigation Bar
- Controls (toggles, switches, buttons, etc)

To begin customizing your device's themes, visit System Settings and under the Personalization category, select the Themes option.

You can pick 'Themes Packs' to update multiple components at once, or choose one of the options from the list to change only that component. On the next screen, choose the theme you want to apply. Confirm the components you have chosen and then press 'apply'. Mix and match components from different themes to find the look that's right for you!

Themes app

The Themes App gives you access to custom themes developed by the Cyanogen community. Choose a theme from the list to see a preview, learn what components are included, and download your new theme

Endless Button customization

The Cyanogen OS gives you the utmost control over your mobile experience and allows you to customize almost all aspects of the device

Status Bar	Control items shown in the status bar
Show Clock	Uncheck to hide the clock from the status bar
Battery status style	Choose how the battery level should be represented
Show battery status %	Check to add a numeric % indicator to the battery status icon

<i>Signal status style</i>	Choose how the signal level status should be represented
<i>Brightness Control</i>	Check to enable controlling brightness by swiping across status bar
<i>Show notification count</i>	Uncheck to hide per-app notification counts
<i>Double-tap to sleep</i>	Check to allow putting the device to sleep by double-tapping on the status bar

General

<i>Quick Pulldown</i>	Choose whether to show the Quick Settings Panel when swiping down from the status bar on the left, right, or not at all.
<i>Auto close panel</i>	Check to have the Quick Settings panel close automatically after toggling a tile

Quick Settings panel - Control the content & behavior of the Quick Settings panel

General

<i>Quick Pulldown</i>	Choose whether to show the Quick Settings Panel when swiping down from the status bar on the left, right, or not at all.
<i>Auto close panel</i>	Check to have the Quick Settings panel close automatically after toggling a tile

Static Tiles

<i>Tiles and layout</i>	View, arrange, and select the displayed tiles
<i>Sound modes</i>	View and select which sound modes are available when toggling the Sound tile
<i>Screen timeout modes</i>	Select how long before the screen dims, and turns off.

Dynamic Tiles

<i>Dynamic tiles are not always visible and will only show up when triggered by a system event</i>	
<i>Alarm Clock</i>	Displayed when an alarm is set Shows next alarm time

<i>Bug report</i>	Displayed when an app has crashed Allows quick submission of error reports
<i>IME changer</i>	Displayed when the keyboard or other input method is active. Opens the input method chooser
<i>USB Tether</i>	Displayed when connected to a computer by USB Activates sharing your phone's internet connection
<i>Cast screen</i>	Displayed when connected via Wi-Fi Direct to a compatible display device Begins/stops casting your screen to the connected display

Notification Drawer Control the content and the behavior of the notification drawer

<i>Auto Close Behavior</i>	Choose when, if ever, the notification drawer should automatically close
Quick Access Ribbon	<i>The quick access ribbons allows changing device settings directly from the notification drawer</i>
<i>Show in drawer</i>	Check to enable the quick access ribbon
<i>Linked layout</i>	When checked, quick access ribbons will have the same tiles and order as the Quick Settings panel
<i>Tiles and layout</i>	If linked layout is unchecked, controls the content and order of the quick access ribbon tiles

Expanded Desktop Expanded Desktop is a special mode that allows you to hide the Navigation bar and Status bar when on the home screen.

To activate Expanded Desktop, the feature must be enabled in **Settings > Interface > Expanded Desktop Style**, then hold down the Power button and tap “Expanded Desktop” from the power menu.

When Expanded Desktop is enabled, swipe down from the top edge of the screen, or up from the bottom edge of the screen, to show hidden elements.

There are two Expanded Desktop styles:

- Status Bar Hidden - Hides the status bar when Expanded Desktop is active
- Status Bar Visible - Keeps the status bar visible at all times, even when Expanded Desktop is active

Disable in lock screen - Prevents the Navigation and Status bars from being hidden when the lockscreen is displayed

Navigation Bar Modify and arrange the buttons and quick launch shortcuts of the Navigation Bar

Buttons and layout - Add, remove, or arrange buttons from the navigation bar.

Quick launch shortcuts - Quick launch shortcuts appear when swiping up from the Home button. Add, remove, edit, and arrange the shortcuts that appear here.

Left handed mode - By default, the Navigation bar is located on the right side of the screen when in landscape view. Check this option to move it to the left side.

Screen Security

Change lock screen security type, delay, and timeout settings

Screen Security	
<i>Screen lock</i>	Choose between available unlock methods: None, Slide, Face Unlock, Pattern, PIN, or Password
<i>Owner info</i>	Enable and edit device owner info to be displayed on lock screen
Lock Delay	
<i>Delay screen lock</i>	Check to prevent device lock for an amount of time after screen turns off
<i>Delay after timeout</i>	Set how long before device locks after screen timeout
<i>Delay after turned off</i>	Set how long before device locks after manually turning the screen off

Additional Lock Screen Settings

** - Denotes that option is disabled when Custom Lock Screen is enabled

General	
<i>Battery status**</i>	Choose when to display battery status on the lock screen
<i>Slider shortcuts</i>	View or change shortcuts available when using the "Slide" unlock method

<i>Custom lock screen</i>	Uncheck to restore the stock Android lock screen
Widgets**	
<i>Custom widgets**</i>	Check to allow adding additional widgets to the lockscreen
<i>Camera widget**</i>	Check to add a special camera widget to the lock screen
<i>Clock widget**</i>	Customize the default Lock and Home screen clock widget
<i>Maximize widgets**</i>	Check to expand widgets when the screen is turned on
Background	
<i>Lock screen background</i>	Choose between using the default wallpaper or a custom wallpaper on the lockscreen

Sound

Volume	
<i>Volumes</i>	Set the volume for media, ringtone/notifications, and alarms separately
<i>Ring mode</i>	Switch ringtone/notifications between normal, vibrate, and muted
<i>Volume panel style</i>	Choose the style for the volume control popup displayed when pressing the hardware volume control buttons
Automation & Effects	
<i>Quiet hours</i>	Set a time range during which the system should automatically disable audio and vibration functions, and choose which features will be effected.
<i>Music Effects</i>	Configure advanced audio processing options such as Bass Boost and Equalizer
Call Ringtone & Vibrate	
<i>Phone ringtone</i>	Select the sound to be played when receiving an incoming call
<i>Vibrate when ringing</i>	Check to have the device vibrate in addition to playing the selected ringtone for incoming calls
<i>Ascending ringtone</i>	Causes the ringtone to increase in volume over time

Notifications

<i>Default notification sound</i>	Select the sound to be played when receiving a new notification
<i>Vibrate on notification</i>	Uncheck to disable vibration when receiving new notifications (overridden when in Vibrate Ring Mode)
<i>Vibrate during call</i>	Check to allow vibration during phone calls. This vibration will be softer than normal

System

<i>Dial pad touch tones</i>	Play a sound when pressing numbers on the phone dialer
<i>Touch sounds</i>	Play a sound when tapping items on the screen (e.g. home button)
<i>Screen lock sound</i>	Play a sound when the screen becomes locked
<i>Vibrate on touch</i>	Vibrate when tapping items on the screen (e.g. home button)
<i>Volume adjustment sound</i>	Play a sound when changing the volume

Charging Sounds

<i>Enable</i>	Check to play a sound when the device is connected or disconnected from a power source
<i>Vibrate</i>	Check to make the device vibrate when connected or disconnect from a power source
<i>Notification sound</i>	Choose which sound plays when connecting or disconnecting from a power source

Display & lights

This section provides settings for controlling the behavior of your device's display, as well as options for the notification light located next to the handset earpiece.

<i>Brightness</i>	Change between automatic and manual brightness control, set the manual brightness level, or press the "gear" icon for advanced options
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<i>Wallpapers</i>	Set your home screen wallpaper using any of the apps on your device that support it
<i>Rotation</i>	Enable/disable screen rotation, and choose which rotation positions are allowed
<i>Sleep</i>	Set how long without interaction before the screen automatically turns off
<i>Daydream</i>	Daydream allows you to set content that will be displayed when the device is charging instead of putting the screen to sleep
<i>Font size</i>	Change the size of text across the system (where not overridden by individual applications)
<i>Cast screen</i>	Connect to remote display devices and duplicate your phone's screen
<i>Wake on plug</i>	Check to turn the screen on when connecting or disconnecting USB
<i>Screen-off animation</i>	Uncheck to disable the short animation that plays when the screen turns off
<i>Animation style</i>	Choose the screen-off animation
Lights	
<i>Pulse notification light</i>	Enable/disable and change colors of the notification light when unread notifications are available
<i>Battery light</i>	Enable/disable and change colors of the notification light when the battery is low or connected to a power source

Buttons

Settings in this section control how your device's physical buttons behave.

Power Menu	Select which options are presented when you hold down the power button. Shutdown and reboot are always shown.
<i>Reboot menu</i>	Provides advanced options for accessing device recovery and bootloader when selecting reboot

<i>Screenshot</i>	Saves a picture of what's on the display and saves it to your SD card or internal storage
<i>Expanded desktop</i>	Activates or deactivates Expanded Desktop Mode (see <i>FIX ME</i>). Must be enabled in Settings > Interface > Expanded Desktop
<i>Profile switcher</i>	Lets you choose which device Profile is active (see <i>FIX ME</i>). Must be enabled in Settings > Profiles
<i>Airplane mode</i>	Disables all device radios. WiFi and Bluetooth can be manually re-enabled while in Airplane mode
<i>Sound panel</i>	Adds a bar at the bottom of the power menu to change the sound mode between Silent, Vibrate only, and Sounds enabled
Volume Buttons	
<i>Volume button wake</i>	Check to have the device wake up when pressing the volume buttons, in addition to the power button
<i>Playback control</i>	When checked, long pressing the volume keys will seek music tracks when the screen is off
<i>Keyboard cursor control</i>	Allow the volume buttons to control cursor location in text entry
<i>Reorient volume buttons</i>	Swap volume buttons based on device orientation

DualSIM

DualSIM capability allows you to have two separate phone and / or data plans. You can have one for business and one for personal or whatever reason having two SIMs is best for your life

Security

Privacy Guard

Cyanogen includes the Privacy Guard feature to allow users to restrict which apps have access to your personal data. By enabling Privacy Guard for an application, when an app attempts to access potentially personal data, Privacy Guard will ask the user whether they want to allow the request. Please note that some applications may not behave as expected if you deny their request for access to personal data.

To enable Privacy Guard automatically for newly installed apps, check the Enabled by default option.

To enable or disable Privacy Guard for individual applications, find the application in the Privacy Guard menu and tap it once. The Privacy Guard icon will light up to indicate that it has been enabled.

Customize the Privacy Guard behavior for each application by long-pressing on the application entry in the Privacy Guard menu.

Access advanced options by pressing the Menu button in the top-right corner of the display and choosing Advanced

You can reset Privacy Guard settings to their defaults by pressing the Reset button at any time.

SMS Limiting

Cyanogen OS comes with protections against malicious apps that could attempt to SMS a number that bills for SMS messages. A user can adjust settings to choose at what level an app should no longer be able to send SMS messages to prevent abuse.

Phone

Phone Number Lookup

Forward lookup

Check to show nearby places when entering names or numbers in the Dialer

People lookup

Show online results for people when entering names or numbers in the Dialer

<i>Reverse lookup</i>	Look up information about the caller when receiving calls from unknown numbers
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<i>Choose lookup providers</i>	Choose what source will be used for each lookup type
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Other Call Settings

<i>Blacklist</i>	Incoming calls from phone numbers in the blacklist will be blocked
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Lockscreen

The lock screen provides basic phone information while preventing the device from being accessed immediately when the power button is pressed.

There are several unlock methods to choose from for the lock screen. Options are listed in order from lowest security to highest:

<i>None</i>	Disable the lockscreen completely
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<i>Slide</i>	Swipe to unlock
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<i>Face Unlock**</i>	Use the front-facing camera to unlock by recognizing your face.
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<i>Pattern</i>	Connect the dots in a specific order to unlock
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<i>PIN</i>	Enter a numbers-only password of at least 4 digits to unlock
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<i>Password</i>	Enter a full alpha-numeric password of at least 4 characters to unlock
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** - WARNING: Face Unlock will recognize photographs and is thus less secure than other unlock methods

Encryption

With Cyanogen, you can encrypt your device so that a PIN or Password is required to decrypt your phone each time it is powered on. Even if your device is lost or stolen, others won't be able to access data stored on your device.

To enable decryption, visit Settings > Security > Encrypt phone and follow the on-screen instructions.

Please note that encrypting your device will take approximately 1 hour, and your device must be charged and remain plugged in for the entire duration of the encryption process.

Protected Folders

Protected folders- put a password on a folder and only you can access the apps and content in the folder

Profiles

Profiles allow you to create combinations of settings, such as enabled connections and volumes, that can be applied together manually, when you connect to specific wireless networks (WiFi/Bluetooth), or when you scan a specific NFC tag.

Profiles are disabled by default. To begin using profiles, go to Settings>Profiles and move the slide button in the topright corner of the display from Off to On Cyanogen comes with 5 preconfigured Profiles: Default, Home, Night, Silent, and Work.

You can create new Profiles by going to Settings>Profiles and pressing the + button in the bottomright corner of the display. You can also reset to defaults by pressing the Reset button in the lower left corner.

Tap any profile in Settings>Profiles to manually activate that profile. Tap the Options button next to a profile name to edit the device settings for that profile, set if/when the profile should be automatically activated, and rename the profile.

While editing a profile, press the NFC Tag button in the bottom left corner of the display to set up NFC tags you want to activate that profile. Press the Location Pin icon to choose WiFi and Bluetooth connections that should activate the profile.