

Android Accessibility Settings

Use a Screen Reader

Accessibility Setting	Description	Additional Information
Talkback	Items on the screen are outlined with a focus box, and the device gives audio cues about what is on the screen.	Manage TalkBack settings like feedback, speech rate, gestures, or braille keyboard.
Text-to-speech output	Convert text input and play audio aloud.	Install voice data for another language.
Reading mode *Download from Google Play Store	Customize the contrast, color, and font size of text.	Use the read aloud feature to have the content read out loud.

Change Your Display

Accessibility Setting	Description	Additional Information
Magnification	Zoom or magnify to see the device's screen better.	Use full screen or partial screen magnification, zoom in temporarily, or use magnify typing to follow text as you type.
Dark theme or color inversion	Change the display screen to a dark background.	Colors only change in media, such as videos, with color inversion.
Change display size & text	Use bold fonts, high contrast text, color correction, color inversion, and adjust font size.	
Remove animations	Turn off animations to increase focus.	
Use large mouse pointer	Make the mouse pointer bigger so it's more noticeable.	
Dim your screen	Dim screen beyond phone's minimum brightness so it's more comfortable to read.	
Select to speak	Select items on the screen, such as text or an image, and hear them read or described aloud.	Point the camera at pictures or text to hear them read or described aloud with OCR (optical character recognition)
Page zoom for chrome	Easily zoom in and out of pages.	

Interaction Controls

Accessibility Setting	Description	Additional Information
Switch access	Interact with the device using one or more switches instead of the touchscreen.	Use an external switch, external keyboard, or buttons on the android as a switch.
Voice access *Download from Google Play Store	Use spoken commands to open apps, navigate, and edit text hands-free.	Can be used in English, Spanish, German, Italian, French, or Portuguese.
Project activate *Download from Google Play Store	Send a text message, place a call, speak a phrase, or play an audio file by making a gesture.	Pick from many gestures and adjust the size and sensitivity of each gesture.
Accessibility menu	A large on-screen menu used to control the device, gestures, hardware buttons, navigation, and more.	From the menu, you can take screenshots, lock the screen, open Google Assistant, open Quick Settings and Notifications, turn volume up or down, and turn brightness up or down.
Action blocks *Download from Google Play Store	Add common actions to the home screen with a name or image. Then activate the Action Block to trigger the corresponding action.	Available for English, French, Italian, German, Spanish, Brazilian Portuguese, and Japanese.
Lookout *Download from Google Play Store	Device camera and sensors are used to explore the environment and provide information about the surroundings.	6 modes to explore with Lookout include text, environment, food labels, documents, currency, and images
Morse code	Write in morse code on the device.	Morse code works with TalkBack, Switch Access, or Select to Speak
Vibration	Turn on vibration for ringing, notifications, and touch.	
Accessibility shortcuts	A quick way to turn on accessibility apps or switch between apps.	
Automatically rotate screen	The screen automatically rotates when the device moves between portrait and landscape position.	

Interaction Controls, Continued

Accessibility Setting	Description	Additional Information
Auto click (dwell timing)	Set a mouse cursor to take action automatically when the cursor stops moving for a certain amount of time.	
Touch & hold delay	Adjust the amount of time before a tap on the screen becomes a touch & hold.	
Power button ends calls	Press the device's power button to end a call.	
Change time to take action	Choose how long to show messages that ask you to take action but are visible only temporarily.	
Find accessibility services in Quick Settings	Easily find accessibility services when you swipe down from the top screen.	You can add color correction, color inversion, extra dim, one-handed mode, live transcribe, sound amplifier, sound notifications, and live caption.
One handed mode	Use one hand to pull down the top half of the screen and easily reach notifications, app content, and more.	
Flash notifications	Device flashes its camera flashlight or screen as an alert of an incoming notification, call, or alarm.	
Guided frame	When taking a picture in the camera app, a visual frame surrounds the subject, and verbal cues and vibrations signal when to take the photo.	Guided frame recognizes faces, pets, food, drinks, documents, electronic devices, and vehicles

Audio & Captions

Accessibility Setting	Description	Additional Information
Connect hearing aids	Connect hearing aids to your device to amplify sound.	Hearing aid compatibility: “M” or acoustic coupling mode and “T” or telecoil (inductive) coupling mode.
Real-time text (RTT) with calls	Use text to communicate during a phone call. RTT works with TTY (teletypewriter) and doesn't require any additional accessories.	Switch from voice to RTT during a call if you chose "Always visible" or "Visible during call" in settings.
Sound Amplifier *Download from Google Play Store	Use wired or Bluetooth headphones to filter, augment, and amplify the sounds in the environment or on your Android device.	Reduce unwanted sounds, boost quiet sounds, boost low frequency and high frequency, adjust ears separately, amplify media on the device, and amplify a conversation partner's voice and block out other noises.
Sound Notifications *Download from Google Play Store	Get notified when your device detects certain sounds in the environment.	Detectable sounds include smoke and fire alarms, sirens, shouts, baby sounds, doorbell rings, knocks, dog barks, appliance beeps, running water, and landline phone rings.
Live Transcribe *Download from Google Play Store	Capture speech and sound and see them as text on your screen.	Download languages for offline use for when internet connection is limited like in travels or in places with low connection.
Live Caption	Automatically translate speech to text on your device.	Use Live Caption on media like videos, podcasts, phone calls, video calls, and audio messages.
Caption preferences	Change caption size and style.	

Reference:

Google. (n.d.). Android accessibility help. <https://support.google.com/accessibility/android?sjid=14224653722728023406-NA#topic=9079844>