



GARI Feature Guide

Which features
can help you
better see,
hear, speak,
understand or
use the device?

Accessibility features are designed to support you to better fulfill the actions you want to carry out. While many features can help in different situations, there are also specific features that can help you better see, hear, speak, understand, or just operate the device.

Dexterity – more easily operating the device

Motor skills allow for the movement of your body, including hands and limbs. They are categorized into gross motor skills (including walking, running, swimming etc.) and fine motor skills (movement of the wrists, hands, fingers, feet and toes). Features that help people with reduced or limited gross motor skills are often to be found under the label 'mobility', while features supporting people with reduced or limited fine motor skills are often found under 'dexterity'.



Reduced gross motor skills (mobility)

Personal Assistant / Voice Control
Stylus or Prosthetic Device support
External Switch / Pointer Support
Visible Focus Indicators
Voice Recognition for Accessing Features
Voice Recognition for Dialing
Automatic Answer
Device Coupling - Bluetooth/WLAN
Device Coupling – Infrared
Device Coupling - Cable
Display Characteristics - Screen Flicker
Personal Assistant /Voice Control
Supports Accessibility APIs



Reduced fine motor skills (dexterity)

Text-to-Speech / Dictation
Supports Gesture Based Navigation
Hand Movement
Easy to Press Keys
Guarded/Recessed Keys
Text Messaging Service Capable
Speaker-phone capable
External Keyboard Support
Lanyard Pin for key ring or Lanyard Strap
Ease of Opening for Clam Shell/Flip Phone/Slider
Anti-slip Features
Automatic Features - Automatic Answer
Personal Assistant / Voice Control
External Switch / Pointer Support
Visible Focus Indicators

Vision – seeing better with the device

Features for vision can help people on a wide spectrum of visual function, ranging from slightly impaired vision to total blindness. The World Health Organisation

categorises vision loss into moderate/severe/profound visual impairment, followed by total blindness which is the complete lack of light and form perception.



Moderate visual impairment

Screen Magnifier
High Contrast Mode
Display Characteristics - Colour Differentiation
Display Characteristics - Backlight for Display
Display Characteristics - Adjustable Contrast Control
Display Characteristics - Adjustable Brightness Control
Adjustable Font - Size
Adjustable Font - Style
Dedicated and clearly distinguishable volume keys
Backlight for Keypad
Key Identification
Web Browser Zoom



Severe visual impairment

Web Browser Zoom
Speed Dial
High Contrast Mode
Voice Output of Caller ID from Contacts List
Voiced Menus
Audible Cues - Volume
Audible Cues - Calls
Audible Cues - Power
Audible Cues - Battery
Dedicated and clearly distinguishable key to lock the screen
Screen Magnifier
Display Characteristics - Adjustable Brightness Control
Display Characteristics - Adjustable Contrast Control



Profound visual impairment

Audible Cues - Enhancements
Audible Cues - Charging
Supports Accessibility APIs
Voice Output of SMS: inbuilt
Ring Tone Variations
Personalized Shortcuts
Audible Identification of Keys - Functions
Audible Identification of Keys - Spoken
Standard Number Key Layout
Screen Magnifier
Web Browser Zoom
High Contrast Mode
Display Characteristics - Adjustable Brightness Control
Display Characteristics - Adjustable Contrast Control







Blindness

Haptic Feedback
Screen Reader
Braille Display Support
Voice Recognition for Dialing or Accessing Features
Automatic Features - Automatic Answer
Key Feedback - Audible
Key Feedback - Tactile
Tactile Key Marker - '5'
Tactile Key Markers - 'F' and 'J'
Dedicated and clearly distinguishable volume keys
Personal Assistant / Voice Control

Hearing – better hearing with the device



Hearing loss is often categorised as mild/moderate/severe and profound. With mild hearing loss, the quietest sound that people can perceive is between 25-40 dB, which makes it already difficult to follow conversations in noisy surroundings for example. At moderate hearing loss, people perceive sounds between 40-70 dB and would

be advised to use a hearing-aid. People having severe hearing loss only perceive sounds between 70-95 dB and will often have to heavily rely on lip-reading. People with profound hearing loss and deaf people finally will rely on lip reading and sign language to communicate.

 Mild hearing loss (lower end 25 to 40dB)	 Moderate hearing loss (40 to 70dB)	 Severe hearing loss (70 to 95dB)	 Profound hearing loss/deaf
Adjustable Maximum Volume Control	Real-time-text capability	Real-time-text capability	Real-time-text capability
Mono Audio	Call Logs	Adjustable Vibrating Alerts	Allows for sign language communication
Ringer Volume Adjustable	Key Feedback - Displayed	Visual Alerts - Electronic Message	Flashlight Notifications
Messaging Options - Email	Messaging Options - Predictive Text	Key Feedback - Displayed	Front Facing Camera
Messaging Options - Text Messaging/SMS	Visual Indicators on Display - Enhancements	Video Conferencing	Two-way Video Communications – using wireless LAN networks
Visual indicators on Display - Voice Mail	Visual indicators on Display - Battery	SMS Personalisation and Reuse	Two-way Video Communications – using mobile networks
Headset - plug connected	Visual Alerts - Incoming Calls	Visual Alerts - Other	Vibrating alert
Hearing Aid or 'HAC' Setting	Hearing Aid or 'HAC' Setting	Allows for sign language communication	Visual Alerts - Other
Improved Call Quality	Adjustable Maximum Volume Control	Flashlight Notifications	Real-time-text capability
	Mono Audio	Supports Closed Captioning for Web Video or Streaming	Supports Closed Captioning for Web Video or Streaming
	Ringer Volume Adjustable		Allows for sign language communication
	Improved Call Quality		

Speech – overcoming language barriers

There is a difference between speech disorders and language disorders, but many of the accessibility features that can help are the same or similar. People with a speech disorder have often difficulty to produce certain sounds accurately. Language on the other hand deals with meaning and a language disorder might result in difficulties understanding the meaning of what is being said (receptive language issues) or difficulties expressing one's own thoughts (expressive language issues).

 Speech disorder	 Language disorder
Real-time-text capability	Supports Closed Captioning for Web Video or Streaming
Allows for sign language communication	SMS Personalisation and Reuse
Front Facing Camera	Messaging Options - Predictive Text
Two-way Video Communications – using wireless LAN networks	Messaging Options - MMS
Two-way Video Communications – using mobile networks	Messaging Options - IM
Video Conferencing	Messaging Options - Text Messaging/SMS
	Supports ability to install third party applications or apps

Cognition – better understanding with the device

Cognitive abilities lie on a wide spectrum and features for cognition can help a range of people from somebody unfamiliar with technology to older users to people affected by mild or severe cognitive impairment. Accessibility features in this category intend to help people to easier interact with the device and support them in their everyday tasks.



Mild cognitive impairment

- Differentiation of Function Keys
- Voice Notes
- Simplify Display
- GPS Capability
- Copy and Paste
- Simple Instructions



Severe cognitive impairment

- Emergency services and location
- Assistance Instructions
- Photo Associated Telephone Book
- Simple Reminders
- No Screen Timeout

Deafblind - features to help you overcome vision and hearing loss

Deafblindness has been defined as a unique and isolating sensory disability resulting from a combination of both a hearing and vision loss or impairment which significantly affects communication, socialisation, mobility and daily living. A combination of vision and hearing features in today's devices can help users who are deafblind to access information and communicate.



Deafblind

- Dedicated and clearly distinguishable volume keys

- Allows for sign language communication

- Supports Closed Captioning for Web Video or Streaming

- Adjustable Maximum Volume Control

- Video Conferencing

- SMS Personalisation and Reuse

- Messaging Options - Predictive Text

- Screen Reader

- Screen Magnifier

- Braille Display Support

- Web Browser Zoom

- High Contrast Mode



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