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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



Reduced fine motor skills (dexterity)

- Text-to-Speech / Dictation
- Supports Gesture Based Navigation
- Hand Movement
- Any Key Answering
- Automatic Redial
- Flat Back for Table Top Operation
- 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
- Easy to Press Keys
- Touch Screen

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



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



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







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'

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
<ul style="list-style-type: none"> Adjustable Maximum Volume Control Mono Audio Ringer Volume Adjustable Messaging Options - MMS Messaging Options - IM Messaging Options - Email Messaging Options - Text Messaging/SMS Visual indicators on Display - Voice Mail Headset - plug connected 	<ul style="list-style-type: none"> Real-time-text capability Call Logs Key Feedback - Displayed Messaging Options - Predictive Text Visual Indicators on Display - Enhancements Visual Indicators on Display - Line Status Visual indicators on Display - Network Visual indicators on Display - Battery Visual Alerts - Incoming Calls 	<ul style="list-style-type: none"> Real-time-text capability Adjustable Vibrating Alerts Visual Alerts - Electronic Message Key Feedback - Displayed Video Conferencing SMS Personalisation and Reuse Visual Alerts - Other 	<ul style="list-style-type: none"> Allows for sign language communication Flashlight Notifications Front Facing Camera Two-way Video Communications – using wireless LAN networks Two-way Video Communications – using mobile networks Vibrating alert Visual Alerts - Other

Speech – overcoming language barriers

There is a different 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
<ul style="list-style-type: none"> Real-time-text capability Allows for sign language communication Front Facing Camera Two-way Video Communications – using wireless LAN networks Two-way Video Communications – using mobile networks Video Conferencing 	<ul style="list-style-type: none"> Supports Closed Captioning for Web Video or Streaming SMS Personalisation and Reuse Messaging Options - Predictive Text Messaging Options - MMS Messaging Options - IM 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



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