

Accessible devices for people with an intellectual impairment







- The selected devices have been tested by an independent panel of people with a disability, coordinated by the non-profit association Passe-Muraille.
- This evaluation is based on predefined accessibility criteria taking into account the specific needs of the majority of people belonging to the same disability category.
- We therefore do not guarantee that these devices can be optimally used by all people recognized as belonging to the disability category concerned.
- This catalog will be updated regularly.







We recommend these devices for their various visual and tactile alerts that notify the user of incoming messages/calls, and also because of their programmable keys, ease of writing and receiving text messages/e-mails, and the possibility to make video calls.

It is important to note that all the devices running on Android 4.0.4 Ice Cream Sandwich have an accessibility menu as standard

It should be noted that the most recent, and most complete, versions of Android OS integrate:

- configuration of the accessibility menu on initial set-up of the device
- recognition of the caller through vibration
- a vibration creation module for the vibrate function







List of tested devices

Apple Ipad Pro Apple iPhone 7 IOS Apple iPhone 7 Plus Apple iPhone 11 Pro Apple iPhone 13 Apple iPhone SE3

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Crosscall Trekker X4

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Doro 8035

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Fairphone 3 Fairphone 4

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Huawei Mate 10 PRO

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LG G6

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Nokia 4.2 Nokia 5.4 Nokia 8.3

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OnePlus7T Pro
OnePlus 8T
OnePlus 9 Pro
OnePlus 10 Pro SG
OnePlus Nord CE
OnePlus Nord CE
OnePlus Nord CE2
OPPO A54 5G
OPPO Find X2 Pro
OPPO Find X3 Lite
OPPO Find X5 Pro
OPPO Reno 4PRO 5G
OPPO Reno 6 5G

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Samsung A5 Samsung A7 Samsung A8 Samsung A50 Samsung A51 Samsung A71 Samsung Galaxy A10 Samsung Galaxy A12 Samsung Galaxy A22 Samsung Galaxy A32 5G Samsung Galaxy A52 Samsung Galaxy A53 Samsung Galaxy A525G Samsung Galaxy Alpha Samsung Galaxy Note 8 Samsung Galaxy Note 10+ Samsung Galaxy Note 205G Samsung Galaxy Z Flip 5G Samsung Galaxy Z Ford 3 5G Samsung Galaxy S10 Lite Samsung Galaxy S21 5G Samsung Galaxy S21 FE 5G Samsung Galaxy S22 FE 5G Samsung J4+ Samsung J6 Samsung S10 Samsung S20+ Samsung S20+ Samsung S20FE 5G

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Xiami Redmi Mi 11i Xiami Redmi Note 10 Xiaomi Redmi 10 Xiaomi 11 Lite 5G NE Xiaomi 11 Pro Xiaomi 12 Xiaomi 12 Pro











Assessment	Model	Comments
	APPLE iPad 2020	 If you already have an iPhone or an iPad configured in terms of accessibility, you can transfer accessibility preferences. Simplified launcher + "App library" organization Dictation (voice input) + Siri













Assessment	Template	Comments	Possible adaptation
	IPHONE 7 IOS 14	Siri and Voice Control	













Evaluation	Model	Comments	Possible adaptation
	Apple iPhone 7 plus (IOS 10)	 Configuration rapide et facile du mode Accessibilité via iTunes sur ordinateur Menu accessibilité très complet Commande vocale efficace Qualité d'image +++ Grand écran 	Il est possible de télécharger et de configurer des logiciels de lecture d'écran, de synthèse et de commande vocale en néerlandais via App Store. L'utilisation d'un stylet adapté peut faciliter l'usage de l'appareil













Assessment	Model	Comments
	APPLE iPhone 11 Pro	 If you already have a configured iPhone, you can transfer accessibility preferences. Quick call and SMS key Simplified launcher + "App library" organization Dictation (voice input) + Siri













Assessment	Model	Comments
	Apple I Phone 13	 Pressure duration settings (short - medium - long) Delete animations Switch Access Fast calling and texting in two steps Caller identification by photo and/or ringtone Timeframe setting to perform an action













Assessment	Model	Comments
	Apple I Phone SE 3	 Pressure duration settings (short - medium - long) Delete animations Switch Access Fast calling and texting in two steps Caller identification by photo and/or ringtone Timeframe setting to perform an action













Assessment	Model	Comments	Possible adaptation
	CrossCall Trekker X4	 Simple and relatively clear menu. Volume keys. Certain keys require you to press with force. 	













Assessment	Model	Comments	Possible adaptation
	Doro 8035	"Easy"/"Advanced" mode key programming	













Assessment	Model	Comments	Possible adaptation
	Fairphone 3	 Designed in such a way that its parts are replaceable Personalizable adjustment of hold delay Simple menu Some shortcuts available via the accessibility menu: screenshot 	













Assessment	Model	Comments
	FAIRPHONE Fourthur 1	 Pressure duration settings (short - medium - long) Delete animations Switch Access Fast calling and texting in two steps Caller identification by photo and/or ringtone Timeframe setting to perform an action













Evaluation	Model	Comments	Possible adaptation
	HUAWEI Mate 10 PRO	 Accessibility menu seems complete but has certain limitations (inexistant or incoherent functions) Programmable simplified mode 	













Evaluation	Model	Comments	Possible adaptation
	LG G6	 Accessibility menu accessible from first start-up Large, good-quality screen Large pointer Possibility of centralizing call controls on one button Touch assistant Restriction of touch control to certain areas of the screen 	Possibility of downloading and configuring screen-reading, voice-synthesis and voice-command software in Dutch via App Store. An adapted stylus can make it easier to operate the device













Evaluation	Model	Comments	Possible adaptation
	Nokia 4.2	 Adjustable responsiveness: Short - Medium - Long Possibility of configuring the phone to click automatically if the cursor is immobile for a set time. 	













Evaluation	Modèle	Commentaire	Adaptation possible
	Nokia 5	 The menu is relatively complex, but the basic controls are easily accessible Low quality screen 	Possibilité de télécharger des applications simplifiant le menu L'utilisation d'un stylet adapté peut faciliter l'usage de l'appareil













Assessment	Model	Comments
	Nokia 5.4	Quick call and SMS key
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Assessme nt	Template	Comments	Possible adaptation
\(\)	Nokia 8.3	Relatively complex menu structure	













Assessme nt	Model	Comments	Possible adaptation
	OnePlus 7T Pro	 3 types of style: standard, colored buttons, color inversion Form of buttons (round, square, etc.) 	













Assessment	Model	Comments	Possible adaptation
	OnePlus 8 Pro	 Programmable screen gestures Choice of touch & hold delay Enlarged characters. Quick gestures: - Flip to mute - Screenshot (with 3 fingers) - Lift to answer or divert - Activate one-hand mode - Screen gestures off: Double tap to wake up 	













Assessment	Model	Comments
	OnePlus 8T	 Simple menu OK Google Programmable keys, icons, gestures, Quick call and SMS key













Assessment	Model	Comments
	OnePlus 9 Pro	 Choice of touch and hold delay Relatively simple tree structure Sometimes too much on-screen information Possibility of reducing the number of on-screen icons Favorite contacts Widget creation













Assessment	Model	Comments
	OnePlus 10 Pro 5G	 Choice of touch and hold delay Switch Access Fast calling and texting Caller identification by photo and/or ringtone (note! via the contact app) Timeframe setting to perform an action Disable animations













Assessment	Model	Comments
	OnePlus Nord CE	 Choice of touch and hold delay Relatively simple tree structure Sometimes too much on-screen information Possibility of reducing the number of on-screen icons Favorite contacts Widget creation













Assessment	Model	Comments
	ONEPLUS Nord CE2	 Touch and hold duration setting Switch Access Timeframe setting to perform an action Quick calls and text message: creation of button pictos for preferred contacts Caller identification by photo and/or ringtone Rather complicated menu.













Assessment	Model	Comments
	OnePlus Nord 2	 Choice of touch and hold delay Switch Access Remove animations













Assessment	Model	Comments
	OPPO A54 5G	 Choice of touch and hold delay Possibility of reducing the number of on-screen icons Favorite contacts for direct access Simple tree structure Simplified search using colored icons













Assessment	Model	Comments	Possible adaptation
	OPPO Find X2 Pro	 Simplified mode Possibility of configuring the launcher grid Choice of touch & hold delay Enlargement of characters 	













Assessment	Model	Comments
	OPPO Find X3 Lite	Possibility to activate a predefined menu with large icons and good contrast
	OPPO Frd XS Lite	













Assessment	Model	Comments
	OPPO FIND X5 Pro	 Touch and hold duration setting Switch Access Timeframe setting to perform an action Quick calls and text message: creation of button pictos for preferred contacts Caller identification by photo and/or ringtone Rather complicated menu.













Assessme nt	Template	Comments	Possible adaptation
	OPPO Reno 4 Pro 5G	 Simplified mode Possibility of configuring the launcher grid Choice of touch and hold delay (short - moderate - long) Limited font size 	













Evaluation	Model	Comments	Possible adaptation
	Samsung A5	 Accessibility menu available on initial set-up of the device Ergonomic configuration via an interface which classifies the adaptations into special needs categories (sight, hearing, dexterity and interactions). Possibility of configuring a simplified menu. 	An adapted stylus can make it easier to operate the device













Assessment	Model	Comments
	OPPO RENO 6 5G	 Choice of touch and hold delay Switch Access Remove animations Drop a contact on the home screen. When opening the contact, choice between phone, video, text













Assessme nt	Model	Comments	Possible adaptation
	Samsung A7 2018	LED notification Facial recognition and fingerprint scanner	













Evaluation	Model	Comments	Possible adaptation
	• Samsung A50	 Possibility of adapting the grids of the Home screen and Apps screen Volume keys Assistant menu: in overlay, possibility of including the chosen apps and managing their layout Short (0.5 sec.) - Medium (1 sec.) - Long (1.5 sec.) - possibility of personalizing the press duration Slide to call/send texts Read aloud function for caller identification 	













Assessment	Model	Comments	Possible adaptation
	Samsung A51	 Personalizable adjustment of hold delay Simplified launcher: simplified and larger icons Centralization of the buttons on the right-hand side of the phone 	













Assessme nt	Template	Comments	Possible adaptation
	Samsung A71	Simplified modeVoice Assistant	













Assessme nt	Model	Comments	Possible adaptation
	Samsung Galaxy A10	 Possibility of adapting the grids of the Home screen and Apps screen. Volume Keys. Assistant menu: in overlay, possibility of including the chosen apps and managing their layout. Key-press duration from 0.5 s to 1.5 s - possibility to personalize the key press. Slide to call/send texts. Read aloud function for caller identification. 	













Evaluation	Model	Comments	Possible adaptation
	SAMSUNG Galaxy A 8	Samsung accessibility menu very complete and well implemented	













Assessment	Model	Comments
	Samsung Galaxy A32 5G	 Choice of touch and hold delay Possibility of reducing the number of on-screen icons Favorite contacts for direct access Simple tree structure Simplified search using colored icons













Assessment	Model	Comments
	Samsung Galaxy A 12	 Bixby Keys, icons, gestures, Programmable via volume key ==> voice assistant - side panel + volume up ==> enable accessibility settings Quick call and SMS key Choice of touch and hold delay Simplified menu available













Assessment	Model	Comments
	Samsung Galaxy A22	 Choice of touch and hold delay Switch Access Fast calling and texting Caller identification by photo and/or ringtone (note! via the contact app) Timeframe setting to perform an action Disable animations













Assessment	Model	Comments
	Samsung Galaxy A 52	 Quick call and SMS key Choice of touch & hold delay Possibility to change the number of rows and columns of icons per screen Simplified menu available Disable animations













Assessment	Model	Comments
	Samsung Galaxy A53	 Touch and hold duration setting Switch Access Fast calling and texting Caller identification by photo and/or ringtone (note! via the contact app) Timeframe setting to perform an action Disable animations Bixby













Assessment	Model	Comments
	Samsung Galaxy A52 5G	 Adjustable display delay for messages requiring an action from 10 sec to 2 minutes Choice of touch and hold delay Relatively simple tree structure, but NOTE that the extremely large choice of options may render the use of the device more complex. Adjustable number of icons on the screen Add an "app" button on the home screen Add widget for favorite contacts Switch Access Bixby External switch device Remove animations













Assessment	Model	Comments
	Samsung Galaxy S21 5G	 Quick call and SMS key Choice of touch & hold delay Simplified menu available Disable animations













Evaluation	Model	Comments	Possible adaptation
	Samsung Galaxy Note 8	 Samsung accessibility menu 6.3" screen Unlocking with face recognition Integrated stylus 	













Assessme nt	Model	Comments	Possible adaptation
	Samsung Galaxy Note 10+	 Programming of favorites with photo S pen Personalizable adjustment of hold delay 	













Assessme nt	Template	Comments	Possible adaptation
000	Samsung Note 20 5G	Simplified modeVoice Assistant	
	ALBERT		













Assessment	Model	Comments	Possible adaptation
	Samsung Galaxy J4 +	Touch screen lock (prevents screen from detecting an accidental touch)	













Assessment	Model	Comments	Possible adaptation
	Samsung J6	 Possibility of choosing the number of on-screen icons Relatively simple menu Photo-based caller ID Simplified launcher 	













Evaluation	Model	Comments	Possible adaptation
	• Samsung S10	 Possibility of adapting the grids of the Home screen and Apps screen Volume keys Assistant menu: in overlay, possibility of including the chosen apps and managing their layout Short (0.5 sec.) - Medium (1 sec.) - Long (1.5 sec.) - possibility of personalizing the press duration Slide to call/send texts Read aloud function for caller identification 	













Assessme nt	Template	Comments	Possible adaptation
	Samsung Galaxy S10 Lite	 Simplified mode Voice Assistant 	













Assessment	Model	Comments	Possible adaptation
Hard of hearing	Samsung S20 +	 Sound quality enhancement of hearing aids Bluetooth hearing aid connection Choice of vibrations Not very stable on horizontal or vertical support Choice of vibrations and intensities Automatic transcription of texts into text form 	
Deaf			













Assessment	Model	Comments
	Samsung S20 FE 5G	 Optimized menu: the same items are accessible according to several different logics. Very intuitive Bixby Programmable keys, icons, gestures via volume key ==> voice assistant - side panel + volume up ==> enable accessibility settings Quick call and SMS key













Assessment	Model	Comments
	Samsung Galaxy S21 FE 5 G	 Custom touch and hold delay Fast calling and texting
		 Caller identification by photo and/or ringtone Bixby













Assessment	Model	Comments
	Samsung Galaxy S22 5G	 Choice of touch and hold delay Switch Access Fast calling and texting Caller identification by photo and/or ringtone (note! via the contact app) Timeframe setting to perform an action Disable animations Bixby













Assessment	Model	Comments
	Samsung Galaxy Z Flip 3 5G	 Pressure duration settings (short - medium - long) Delete animations Universal switch Bixby Caller identification by photo and/or ringtone Note: to configure the visual and sound identification of the caller, go through the "contact" app.













Assessment	Model	Comments
	Samsung Galaxy Z Fold 2 5G	 Optimized menu: the same items are accessible according to several different logics. Very intuitive Bixby Programmable keys, icons, gestures, via volume key ==> voice assistant - side panel + volume up ==> enable accessibility settings Quick call and SMS key













Assessment	Model	Comments
	Samsung Galaxy Z Fold 3 5G	 Choice of touch and hold delay Adjustable number of icons on the screen Add an "app" button on the home screen Switch Access Bixby External switch device Remove animations













Evaluation	Model	Comments	Possible adaptation
	Sony Xperia XZ Premium	 Accessibility menu offered on initial set-up but quite limited Large good resolution screen 	An adapted stylus can make it easier to operate the device.













Assessment	Model	Comments
	Xiaomi Redmi Mi 11i	 Choice of touch and hold delay Possibility of reducing the number of on-screen icons Smart Android Notifications Simple tree structure Simplified search using colored icons













Assessment	Model	Comments
	Xiaomi Redmi Note 10	 Adjustable display delay for messages requiring an action from 10 sec to 2 minutes Choice of touch and hold delay Relatively simple tree structure Possibility of reducing the number of on-screen icons













Assessment	Model	Comments
	Xiaomi Redmi 10	 Choice of touch and hold delay Switch Access Remove animations Adjustable time to take action Fast calling and texting in two steps Widgets/Screen layout 4x4 - 5x5













Assessment	Model	Comments
	Xiaomi 11 Lite 5G NE	 Pressure duration settings (short - medium - long) Delete animations Switch Access Fast calling and texting in two steps Caller identification by photo and/or ringtone













Assessment	Model	Comments
	XIAOMI 11T Pro	 Pressure duration settings (short - medium - long) Delete animations Switch Access Fast calling and texting in two steps Caller identification by photo and/or ringtone Timeframe setting to perform an action













Assessment	Model	Comments
	XIAOMI 12	 Choice of touch and hold delay Switch Access Fast calling and texting Caller identification by photo and/or ringtone Timeframe setting to perform an action













Assessment	Model	Comments
	XIAOMI 12 Pro	 Touch and hold duration setting Switch Access Fast calling and texting Caller identification by photo and/or ringtone Timeframe setting to perform an action







Accessible fixed-line phones

We recommend these phones for their large keys, high-contrast screen, and hands-free function.

	Vis impaiı			ring rment	ent	ent	
Models	Visually impaired	Blind	Hard of hearing	Deaf	Motor impairment	Comments	
Maestro 6042	+	+	+	/	+	+	Large white keys with large black characters or black keys with large white characters. Caller name and number display via the appropriate Proximus services. Hands-free function LED indicator for incoming calls Large backlit touch screen with medium-sized characters Possibility to double the volume of the handset via a button on the front of the phone. Adjustable speaker volume. 3 programmable direct dialling buttons. Directory for up to 10 numbers.

+ Suitable

Not suitable
 +/- Can be used with its basic functions or with assistance





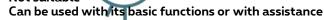


Accessible fixed-line phones

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	Vis impaiı		Heai impair	_	ent	nent	
Models	Visually impaired	Blind	Hard of hearing	Deaf	Motor impairm	impairmo impairm	Comments
Twist 392	+	+	+	/	+	+	Hands-free function with adjustable volume on the base station. This makes it easier to use the phone's call and answer functions. Moreover, the programmable call keys on the base station (with the possibility to place a photo in the button) make the phone very suitable for people with a mental or motor impairment or for the elderly. Need for training or assistance with the programming of extra functions for the blind and visually or mentally impaired. Switch to the "T" position possible, but not very efficient. However, the adjustable volume via the handset and the amplification function allow you to listen at a comfortable level thanks to the loud, high-quality sound.











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