



BlindShell

Classic 2

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1 BlindShell Classic 2 User Guide

BlindShell Classic 2 is a button phone for blind and visually impaired people. The phone is controlled via the physical keypad or by voice commands. Feedback is provided by the built-in synthetic voice, vibrations, and additional acoustic signals.

Important notice: If you let your phone's battery discharge completely, it may appear that the phone is not able to charge at all. In such a case, leave the phone on the charger for several hours. Afterward, the phone should start charging again. Leaving a discharged battery in the phone for a longer period of time might lead to damaging the battery. Such a case is not covered by the phone's warranty. We recommend you remove the battery from the device when you are not using it for more than a week.

1.1 Device information

- Model name: BS-02
- Manufacturer: Matapo a.s.
- Manufacturer address: Branicka 26/43, Praha 4, 14700, Czech Republic
- FCC ID: 2ATXD-BS-02
- IC: 25259-BS02

This document is subject to change. Its latest version can be found in an electronic and accessible form on our website: www.blindshell.com/support

2 Getting started

2.1 Package contents

- BlindShell Classic 2 phone.
- Battery - a flat rectangular object.
- Earphones - on one end of the earphones, there is a 3.5MM connector (jack), the other end has two earbuds.
- USB wall charger - standard USB charger, input 100V~240V AC, 50/60 Hz, output 4.7V-5.3V DC 0-2A.
- USB cable - a USB Type-C cable, with standard male USB Type-A on the other end.
- Charging cradle - a stand for charging the phone.
- NFC tag (3x) - a sticker for object tagging. These tags can be read by a phone application.
- Lanyard - a strap that can be attached to the phone.

2.2 Phone description

Front side of the phone

The front side of the phone consists of the following parts. They are listed as they are placed on the phone from top to bottom.

- Earpiece - line-shaped protrusion used as a speaker during a phone call.
- LCD screen - the smooth area of the phone used for displaying information.
- Keypad - buttons used for controlling the phone and inputting text.
- Microphone - placed in between the buttons of the keypad. Used for voice input.
- Loudspeaker - line-shaped notch used for voice and audio output.

Rear side of the phone

The rear side of the phone consists of the following functional parts. All of them are located in the upper part of the rear side.

- Camera - highlighted by a tactile edge. Used for image taking in phone applications.
- SOS button - the round-shaped button under the camera. Used in emergencies to call an assigned emergency contact.
- LED flashlight - the round-shaped notch next to the camera. It assists the camera in low-light settings.

Edges of the phone

On the top edge, there are: - Earphones socket. - Color sensor.

On the bottom edge from left to right, there are: - Lanyard hole. - USB Type-C connector - used for charging the phone and connecting the phone to a computer. - Opening slit - used for taking the back cover off the phone.

On the left side edge, there are volume buttons used for controlling the volume of the voice and audio output.

On the right side edge, there is a side action button used for opening favorite applications list and invoking voice control.

2.3 Taking off the back cover

To remove the back cover of the phone, hook your fingernail into the opening slit located on the bottom-right edge of the phone and pull the back cover away from the device. When returning the back cover on the phone, make sure all edges of the cover fit the phone.

2.4 Inserting SIM card, SD memory card, and battery

To insert a SIM card, SD memory card, or battery, take off the back cover first. When the back cover is off, the rectangular hollow space in the phone is the battery compartment. Slots for cards are placed in this space.

Inserting SIM cards

The phone has two micro SIM card slots placed in the upper part of the battery compartment. Next to them, on the right side, there is a slot for an SD memory card. To insert a SIM card, place it in a way that card contacts are facing downwards, and its beveled edge is its upper left corner. Then slide the card into the slot.

Removing a SIM card

To remove a SIM card from a slot, place a tip of your finger on the edge of the SIM card, push down on it and slide your finger with the SIM card out of the SIM card slot.

Inserting an SD memory card

The SD memory card slot is the right slot in the upper part of the battery compartment. To insert an SD memory card, place it in a way that card contacts are facing

downwards and slide it into the slot. Push the card to overcome small resistance. Click sound will signal that the card is fixed in the slot.

Removing an SD memory card

To remove an SD memory card, push the card into the slot until the clicking sound signals that the card is released. Then slide the card out of the slot.

Inserting the battery

To insert the battery, locate a protrusion on the edge of the battery. This protrusion should point towards the top corner of the battery compartment. Slide the battery from the top to the bottom into its compartment, it should fit snugly.

Removing the battery

To remove the battery, use a groove located in the top right corner of the battery compartment. Pull the battery upwards.

2.5 Charging

The phone can be charged via a USB cable or charging cradle. To use the charging cradle, connect the USB Type-C cable to the cradle's socket, which is on the back-bottom part of the cradle. Place the phone in the cradle. The phone's USB socket should be face down. The rear side of the phone should rest on the cradle.

2.6 Turning the phone on

To turn on the phone, long press the back button. The phone will play a start-up melody after a while. The phone is ready when it starts speaking. Registration to the mobile network may take up to a minute after the phone turns on.

3 Controlling the phone

3.1 Volume

Volume buttons are on the left side edge of the phone. The volume up button increases the current volume of voice or audio output. The volume down button decreases it.

3.2 Navigation

Navigation buttons are in the upper part of the keypad. Their usage is to navigate through phone menus and item lists.

Moving through menu or list of items

Menus or lists of items are designed as cyclic lists. That means if the last item is reached, moving to the next item jumps to the first item of the list. And vice-versa, while being on the first item moving to the previous item jumps to the last item of the list. A beep tone lets you know you are at the first or last item. Navigation in a menu or list of items follows: - To move to the next item, press the down button. - To move to the previous item, press the up button. - To enter a menu item or select the item, press the confirm button. - To leave the current menu or item list, press the back button.

Find function

The long lists of items may have a find function as the last item of the list. It can be quickly accessed by pressing the up button while being on the first item of the list.

Down button

The down button is the line-shaped button placed in the middle in the second row of buttons. The down button does the following: - Press to move to the next item in a menu. - While writing a message or other text input, press to move to the next character. - While being on the main screen, press to open the main menu.

Up button

The up button is the line-shaped button placed in the middle in the first row of buttons. The up button does the following: - Press to move to the previous item

in a menu. - While writing a message or other text input, press to move to the previous character. - While being on the main screen, press to open the main menu.

Confirm button

The confirm button is the big green dot-shaped button placed on the left in the second row of buttons. The confirm button does the following: - Press to enter a menu item, select list item, confirm actions or accept calls. - While being on the main screen, press to open the main menu.

Back button

The back button is the red slash-shaped button placed on the right in the second row of buttons. The back button does the following: - Press to go back in a menu, cancel actions, reject or hang up calls. - While writing a message or other text input, press to delete the previous character. Long press to delete the whole text. - Anywhere else, long press the back button to return to the main screen.

3.3 Action buttons

Action buttons trigger the same specific action anywhere on the phone.

Left action button

The left action button is the dot-shaped button placed on the left in the first row of keypad buttons. Press to show information about the state of the phone, such as time and date, battery level, information about networks, or missed notifications.

Right action button

The right action button is the dot-shaped button placed on the right in the first row of keypad buttons. Press to repeat the last utterance. Long press to spell the last utterance.

Side action button

The side action button is the oblong button on the right side edge of the phone. The following actions can be performed: - Press to open your favorite applications list. - Long press to invoke voice control. - While writing a message or other text input, long press to invoke voice dictation of the text.

3.4 Numeric keypad

The numeric keypad consists of four rows of convex buttons. The first row contains buttons one, two, and three. The second row contains buttons four, five, and six. The third row contains buttons seven, eight, and nine. The last, fourth row, contains buttons asterisk (star), zero, and hash (number sign).

Asterisk button

The asterisk button is the left button in the bottom row of the numeric keypad. Long press the asterisk button to lock the phone. To unlock the phone, long press the asterisk again. This feature can be disabled in Settings.

Hash button

The hash button is the right button in the bottom row of the numeric keypad. Long press to open a menu with sound profile options (silent, vibration, loud, airplane mode).

3.5 Text input

Text input by numeric keypad

While writing a message or other text input, the numeric keypad buttons are used to input text, numbers, and special characters. Each button, except the hash button, contains a group of characters. You can cycle through the group of characters by pressing the respective button multiple times.

For example button two contains characters A, B, C, and number 2. To enter the letter B – press the button twice. To enter the number 2 – press the button four times or long press the button.

- Button one contains punctuation special characters.
- The asterisk button contains the rest of the special characters.
- Button zero contains the number 0 and space.
- The hash button changes the capitalization of the letters and switches between numeric and alphanumeric keyboard entry.
- The long press of the hash button opens a menu with emojis. Press the confirm button to input the selected emoji.
- To move in the text, press the down or up button. To select between moving by character or by word, press the left action button.

Text input by voice dictation

While writing a message or other text input, voice dictation can be invoked by pressing the side action button. After a beep tone, start dictating the text. After each dictated segment, the phone slightly vibrates. At this moment, text dictation can be manually finished by pressing the confirm button, back button, or the side action button. Voice dictation finishes automatically if no text is dictated for a few seconds.

Time input

While entering time in applications such as Alarm, Calendar, or setting phone's time, use numeric keypad buttons to input four time digits. The first pair of digits represents hours and the second pair of digits represents minutes.

3.6 Voice control

The phone can be alternatively controlled by voice commands. To invoke voice control, press the side action button. After a beep tone, start dictating the command. The voice control has the following functionality: - Opening any application by simply saying its name. For example, to open the application messages, start the voice control and say "messages". - Dialing contact from the contact list. For example, to call Michael, start the voice control and say "call Michael". - Write message to contact from the contact list. For example, to write a message to Michael, start the voice control and say "send message to Michael". Afterward, the text can be input by the numeric keypad or voice dictation.

3.7 SOS button

Long press the SOS button to call the assigned emergency contact. Confirmation is required. If no contact is assigned to the SOS button, then the long press of the button opens a menu for assigning an emergency contact.

3.8 File transfer from PC to BlindShell

Windows machines

The phone should be recognized as an external device. Afterward, files can be copied via any file explorer application from the computer to the phone. If the device is not recognized by the computer, please install the latest updates and check if there is an MTP driver present.

Apple machines

To copy files from a Mac device to the phone, Android File Transfer software is required. This software can be downloaded here: <https://www.android.com/file-transfer/>.

Linux machines

The phone should be automatically recognized by the computer. Copy the files to the phone with a file explorer application.

4 BlindShell functions

4.1 Main screen

The main screen is a starting point when using the phone. It provides the current time information and brief information about the number of missed notifications such as unread messages, missed calls, etc., if there are any. The following actions can be done from the main screen: - To open the main menu, press the confirm button, up button, or down button. - To dial a number, press the appropriate numbers on the numeric keypad and dial by pressing the confirm button. - To activate the quick dial, long press the relevant number on the numeric keypad. If no quick dial is assigned to the number, the long-press opens a menu for assigning a quick dial. - To open call history, long press the confirm button.

To return to the main screen from anywhere on the phone, long press the back button.

4.2 Call

The Call menu item allows making phone calls to numbers or contacts in the contact list. It also contains call history, statistics, and blocked numbers settings.

Answering an incoming call

- To answer an incoming call, press the confirm button.
- To reject or hang up a call, press the back button.

Caller's name announcement

To announce the caller's name, press the right action button. The automatic caller's name announcement can be turned on in the sound and voice output settings of the phone.

Dial contact

The Dial contact menu item opens the list of contacts. Move through the list and press the confirm button to dial the selected contact. While going through the list of contacts, type the letter on the keypad to move to the contacts starting with that letter.

Dial number

The Dial number menu item opens a place where you can input numbers. Type the phone number and press the confirm button to initiate the call.

Call history

The Call history menu item contains a list of all incoming and outgoing calls and their details. Press the confirm button on the selected call item to open a menu with the following options: - Dial the contact/number. - Write a message. - Information about the length of the call. - Save the number to contacts (if it is not already saved). - Add the number to the existing contact (if it is not already saved). - Block number. - Delete the call from the call history. - Delete all history. This will delete all calls from the call history.

Call statistics

The Call statistics menu item opens a list of call statistics of the last month. The last item allows setting a monthly cycle start day. It sets the starting day of the month from which the statistics are recorded.

Blocked numbers

The Blocked numbers menu item opens a list of contacts and phone numbers that are prevented from making phone calls to your device. To add a new blocked number or contact, select the Add blocked number item. To unblock the number or contact, press the confirm button on the selected number or contact.

Recording a phone call

To record a phone call, press the confirm button during an active phone call. Select the Start recording call menu item. To stop recording, press the confirm button and select Stop recording call. The recorded phone call is saved in the BlindShell/recordings folder and can be found in the Records list of the Voice recorder application.

Turn on speakerphone during a phone call

To turn on the speakerphone during a phone call, press the confirm button during an active phone call. Select the Turn on speakerphone menu item. To turn off the speakerphone, press the confirm button and select the Turn off speakerphone. The automatic speakerphone can be turned on in the sound settings of the phone.

Mute microphone during a phone call

To mute the microphone during a phone call, press the confirm button during an active phone call. Select the Mute microphone menu item. To unmute the microphone, press the confirm button and select Unmute microphone.

Answering second incoming call

The second incoming call during an active call is signaled by repeated beeps. Press the right action button to announce the caller's name of the second incoming call. Press the confirm button to answer the second call and hold the current call. Press the back button to hang up an active call.

4.3 Messages

The Messages menu item allows writing messages to numbers or contacts in the contact list. It also contains past conversations (incoming and outgoing messages), drafts, and messaging settings.

Note: While writing a message, press the right action button to read back the whole message and the number of remaining characters to the next message.

Write SMS to contact

The Write SMS to contact menu item opens the list of contacts. Move through the list and press the confirm button to select the contact. Write the text of the message and send it by pressing the confirm button.

Write SMS to number

The Write SMS to number menu item opens a form menu with the following items: - Number - enter the recipient's phone number. - Text - enter the text of the message. - Send message - select to send the message.

Write SMS to multiple recipients

The Write SMS to multiple recipients menu item opens a form menu with the following items: - Recipients - add recipients of the message. More recipients can be added. To delete the recipient from the list, move to the recipient in the list and press the confirm button. - Text - enter the text of the message. - Send message - select to send the message.

Conversations

The Conversations menu item opens the list of conversations with contacts and numbers. Select the conversation to list incoming and outgoing messages to related contact or number. Press the confirm button on the selected message item to open a menu with the following options: - Reply - opens text input. Type the message and press the confirm button to send it as a reply. - Forward - allows forwarding the message. Select a contact, number, or e-mail address to forward the message to. - Call - dials the contact or the phone number. - Delete - deletes the message. - Delete conversation - deletes all incoming and outgoing messages of this conversation. - Save as a new contact - saves the number to contacts (if it is not already saved). - Add to contact - adds the number to the existing contact (if it is not already saved). - Numbers in this message - lists numbers contained in the text of the message. Press the confirm button to perform an action with the selected number.

Drafts

The Drafts menu item opens the list of messages saved as drafts. A draft is an unfinished message which was not sent. Press the confirm button on the selected draft to finish it, send it, or save it as a draft again.

Messaging settings

The Messaging settings menu item opens the menu to set notifying about message delivery or to turn on and off sending messages with diacritics.

4.4 Contacts

The Contacts menu item allows browsing contacts, adding new ones, or editing existing contacts. It also contains setting up the quick dial and backing up and importing contacts.

Contacts list

The Contacts list menu item opens the list of contacts stored in the phone and SIM card. While going through the list of contacts, type the letter on the keypad to move to the contacts starting with that letter. Press the confirm button on the selected contact to open a menu with the following options: - Dial - calls the contact. - Send message - opens a text input of the message. After text input, press the confirm button to send the message to the contact. - Send e-mail - opens new e-mail form, the field Recipients is pre-filled with contact's e-mail address (only available when contact has e-mail address filled). - Edit contact - opens a form for editing contact's

details. - Assign ringtone - opens a list of ringtone melodies. Move through the list and press the confirm button to assign a ringtone to the contact. This melody will play during an incoming call from this contact. - Send contact as a business card - opens a menu to select either a contact or a phone number, to which the current contact will be sent as a business card. - Delete contact - deletes the contact from the contacts list.

SIM card contacts

Contacts stored on SIM cards are displayed in the contact list. If a contact is deleted from the contacts list, it will also be deleted from the SIM card. When a SIM card's contact is edited, it will be saved as a new contact to the phone and the original one will be removed from the SIM card.

Add new contact

The Add new contact menu item opens a form for adding a new contact. The following contact information can be stored: first name, surname, mobile phone number, home phone number, work phone number, another phone number, e-mail address, and postal address. Select the Save contact menu item to save the contact.

Single button dialing

The Single button dialing allows setting quick-dial contact for each number on the keypad. The quick dial is used for quick dialing of up to 10 selected contacts. To assign a quick dial contact to a number, move through the list of numbers (0-9) and press the confirm button on the chosen number. To remove a quick dial of the number, select the assigned number. An emergency contact for the SOS button can be assigned here, too.

While being on the main screen, long press the number on the keypad to quickly dial the assigned contact.

Importing contacts

The Import contacts from file menu item will import contacts from the file to the phone's contacts list. - To import contacts, copy .vcf file to the root folder of the SD memory card, if present, or to the root folder of the internal phone's internal storage. The file has to be named Contacts.vcf. - If Contacts.vcf is present in both storages, the file located on the SD memory card will be used. - Contacts in the Contacts.vcf file identical to contacts already stored in the contacts list will be skipped during import. - After the contact import finishes the Contacts.vcf file is renamed to Contacts-imported.vcf.

Backing up contacts

The Backup contacts to file menu item runs a backup of contacts to Contacts.vcf file. - If the SD memory card is present in the phone, the Contacts.vcf file is created in the root folder of the SD memory card. - If no SD memory card is present in the phone, the Contacts.vcf file is created in the root folder of the phone's internal storage.

Contact settings

The Contact settings menu item opens a menu with the following options: - Sort contacts - changes contact sorting, the contacts list can be ordered alphabetically by given name or by surname. - Display order - changes the order of reading the contact items. Either a given name or a surname can be announced first. - SIM contacts visibility - allows hiding or displaying contacts stored on SIM cards in the contacts list. - Delete all contacts.

4.5 Applications

BlindShell App Catalog

4.6 Settings

Sounds

Profiles

The Profiles menu item allows setting the sound profile used for incoming calls, messages, and other notifications. To quickly access these settings, long press the hash button.

The following profiles are available: - Normal - sounds and vibrations are used. - Vibration - only vibrations are used. - Silent - no sound or vibration is used. - Airplane mode - suspends phone's radio-frequency signal transmission technologies (Bluetooth, telephony, and Wi-Fi).

Volume

The Volume menu item allows setting the volume level for incoming calls, notifications, alarms, and the phone's sound feedback.

Melodies

The Melodies menu item allows setting a melody for incoming calls, notifications, and alarms. To set a custom melody, copy the melody file to the phone's internal storage. For ringtones use the Ringtones folder, for notifications use the Notifications folder, and for alarm use the Alarms folder.

Voice output

The Voice output menu item allows setting the properties of the phone's voice output. The following properties can be changed or set: - Speech rate. - Voice variant. - Speak date and time - when set, date and time is announced every time the phone is unlocked. - Incoming call caller announcement - when set, caller name is announced automatically during incoming call. Otherwise, press the right action button to announce the caller's name. - Locked keyboard announcement - when set, the phone announces that it is locked when any key is pressed multiple times when the phone is locked. - Menu position indication - when set, voice output is supplemented by information about the current position in a menu and menu items count (e.g., "two of five")

Feedback

The Feedback menu item allows setting the additional feedback of sound and vibrations. This feedback supplements the voice output while operating the phone.

Notification reminder

The Notification reminder menu item allows setting a reminder of missed notification. When there is any new missed notification, the phone plays a soft beep every five minutes. This periodic beeping dismisses when the new missed event is checked.

Automatic speakerphone

The Automatic speakerphone menu item allows turning on or off automatic speakerphone during a phone call. When turned on, voice output automatically switches to a loudspeaker when the phone is moved away from the ear during a phone call.

Keyboard

Keypad lock

The Keypad lock menu item allows setting the keypad lock. The keypad lock is intended to prevent unwanted presses of the phone's keys. The following options

are available: - Manual keypad lock - the keypad can be locked only manually by long-pressing the asterisk key. To unlock the keypad, long press the asterisk key. - Automatic or manual keypad lock - the keypad is locked automatically after the screen timeout time or manually by long-pressing the asterisk key. - No keypad lock - the keypad lock is disabled.

Tip: To read back the current time when the keypad is locked, press the confirm button. The keypad remains locked.

Reading during deleting characters

The Reading during deleting characters menu item allows setting what is announced while deleting characters in a text input. The following options are available: - Read the last remaining character after deletion. - Read deleted character.

Repeating during writing characters

The Repeating during writing characters menu item allows setting the repeating of written text during text input. The following options are available: - Repeat word after you write space. - Repeat the whole text after you write space. - Don't repeat.

Capital letters signaling

The Capital letters signaling menu item allows setting how capital letters are signaled in a text input. The following options are available: - Signal verbally - announces "capital" when typing capital letters. - Signal with higher-pitched voice - changes the pitch of voice output when typing capital letters. - Don't signal - signaling of capital letters is disabled.

Display

Brightness setting

The Brightness setting menu item allows changing the display brightness. A higher level means a brighter screen but shorter battery life.

Screen timeout

The Screen timeout menu item allows setting a period of inactivity. After this period, the phone goes into sleep mode to save battery power. To wake up the phone from sleep mode, press any key. When the automatic keypad lock is enabled, the phone keypad is also locked. In this case, long press the asterisk button to unlock the keypad.

Color scheme

The Color scheme menu item allows selecting different color schemes of the phone's environment. The first color denotes the text color, the second is the background color. The following options are available: - White on black. - Black on white. - White on blue. - Black on yellow.

Main menu style

The Main menu style menu item allows changing the graphic appearance of the main menu. The following options are available: - Icons and text. - Only text. - Icons only.

Text size

The Text size menu item allows changing the font size used in the phone's environment. The following options are available: - Normal text size. - Huge text size - this option may break the word wrapping, and a single word may occupy multiple lines.

Networks

WiFi

The WiFi menu item allows connecting to a WiFi network.

- To enable WiFi connection, select the Enable WiFi menu item.
- To connect to a WiFi network, select the WiFi network in the Network list and then select Connect to network. If the WiFi network is protected by a password, enter the password.
- To connect to a WiFi network using the WPS button, select the WiFi network in the Network list and then select Connect with the WPS push button. Then press the WPS button on the router device.
- To connect to a hidden WiFi network, select the Connect to hidden network menu item. Then enter the SSID (name) and password.

WiFi connection via text file

WiFi connection can be established using a text file stored in the phone's internal storage. - Copy a text file named wifi.txt to the root folder of the phone's internal storage. - Write the name of the WiFi network on the first line of the file. - Write the network password on the second line of the file. - The password in the file will be automatically used when connecting to this specified network.

Bluetooth

The Bluetooth menu item allows connecting and managing Bluetooth devices.

How to pair a new device

- Enable the pairing mode on the Bluetooth device. Some devices are in the pairing mode by default when turned on and out of signal. Other devices have a special key or combination of keys that will trigger the pairing mode. This is device-specific and can be found in the manual of the device.
- Turn on Bluetooth and select the Scan for devices option. The scan may take up to half a minute, then the nearby devices are listed.
- To pair a device, select the device in the list. Pairing may take a few seconds.
- Some devices may require entering a verification code. In this case, enter a code provided by the BlindShell phone to the external Bluetooth device.
- To unpair a device, select the device in the Paired devices list and select Unpair device.

Connecting and disconnecting a device

A newly paired device is usually connected automatically. To connect (or disconnect) a device manually, select the device in the Paired devices list and select Connect device (or Disconnect device).

Important notice:

- Before you can connect a paired device, you usually need to turn it on by a switch on the device. Some devices may turn themselves off after a period of inactivity.
- There are a vast number of Bluetooth devices on the market. BlindShell cannot guarantee compatibility with every device available. Your BlindShell vendor might be able to give you advice or offer you a tested model.
- Due to possible radio interference and due to the nature of the Bluetooth protocol itself, there is no guarantee that a device will be found during the scan procedure. If the device is not listed or cannot be paired, make sure it is still in the pairing mode and then try the procedure again. If the problem persists, make sure there is no strong source of interference in your area, like another Bluetooth device, a WiFi router, or other radio devices.

Connection test

The Connection test menu item runs an internet connection test. The result provides information about internet connection quality and BlindShell server availability.

Mobile data

The Mobile data menu item allows turning on and off mobile data.

Note: This menu item is available only when a SIM card is present in the phone.

Pin code

The Pin code menu item allows activating, deactivating, or changing the PIN code. When enabled, the PIN code is requested at the phone startup.

Important notice: If you enter the PIN code incorrectly three times in a row, your SIM card will be temporarily blocked and a PUK code will be requested. If you enter the PUK code incorrectly ten times in a row, your SIM card will be blocked permanently.

Note: This menu item is available only when a SIM card is present in the phone.

SIM cards

The SIM cards menu item allows managing preferred SIM cards for outgoing calls, outgoing messages, or data transfers.

Note: This menu item is available only when two SIM cards are present in the phone.

Favorite applications

The Favorite applications menu item allows managing the list of favorite applications. This list is quickly accessible by pressing the side action button. To add an app to favorites, select the Add favorite application menu item. To remove an app from favorites or change its position in the list, select the application by pressing the confirm button.

Date, time and time zone

The Date, time and time zone menu item allows turning on and off automatic time and date, changing time format and time zone.

- To enable automatic time and date, select the Time and date menu item. When enabled, time and date are automatically set from the network. The SIM card has to be present on the phone.
- To manually set the time and date, disable automatic time and date first.

Language

The Language menu item allows changing the default language of the phone.

BlindShell update

The BlindShell update menu item allows updating the phone's software. The updates bring new features, enhance current features, and fix bugs. A new update is announced via notification.

To manually check for updates, select the Check for update menu item. If an update is available, select Download update and then Install update. To install an update, an internet connection via WiFi is required.

Important notice: - The update process takes several minutes. You will be informed about the progress of the update. During the update, the phone speaks in a robotic voice. - Do not turn off your phone or do other actions with your phone during the update process. Doing so might result in damaging the phone's software, making it necessary to send the phone for repair.

About phone

The About phone menu item provides technical information about the phone such as software version and storage usage. Also allows access to a Service menu with a factory reset and backup option.

Service menu

The service menu is a feature that simplifies certain service operations. For the service menu, the phone has to reboot in a special mode, outside of the ordinary operating system. The service menu is not a part of the BlindShell system and receiving calls and other standard phone functions are not available. To leave the Service menu, select the Restart phone menu item.

Backup data

Restore data

Factory reset

The Factory reset menu item will perform a so-called factory reset of the phone. During this operation, all user data will be wiped and the phone will return to its original state.

4.7 Manual

The Manual menu item contains this document structured in sections.

4.8 Turn off the phone

The Turn off the phone menu item will turn off the phone. The confirmation of this action is required.

4.9 Missed notifications and information about phone status

To show status information about the phone, press the left action button. This action is available anytime while using the phone. The list contains the following information: - Notifications - select to list missed notifications. - Current time and date - select to open the Calendar application. - WiFi state - select to open WiFi settings. - Network state - select to turn on/off mobile data. - Battery state. - Bluetooth state - select to open Bluetooth settings.

4.10 Favorite applications

To quickly access favorite applications, press the side action button. This opens a customizable list of applications that have been added to favorites. To add an app to favorites, select the Add favorite application menu item. For further adjustments, such as ordering the applications in the list, go to the phone's settings.

5 Technical specification

5.1 Connectivity

- GSM (2G): 850/900/1800/1900 MHz
- WCDMA (3G): B1/B2/B4/B5/B8
- FDD-LTE (4G): B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B25/B26/B28/B66/B71
- TDD-LTE (4G): B38/B40/B41
- VoLTE
- Bluetooth: 4.2
- WiFi: 2.4 GHz + 5 GHz (802.11 a/b/g/n/ac)
- GNSS: GPS, Galileo, GLONASS, BeiDou
- FM radio receiver
- NFC

5.2 Hardware

- Dimensions: 135.2 x 54.6 x 16.7 mm
- Weight: 100 g (phone), 49 g (battery)
- Display: 2.83" (480 x 640)
- Memory (RAM): 2 GB
- Internal storage: 16 GB
- External storage: micro SD memory card up to 128 GB (FAT32)
- Camera: 13 MP
- SIM Card: Dual micro-SIM
- Battery: 3000 mAh
- Loudspeaker: 1.5 W
- Microphone: Dual microphone, noise reduction
- 3.5 stereo audio jack
- USB Type-C
- Buttons: SOS, Volume, Side action button
- Indication LED

5.3 Sensors

- RGB sensor
- Magnetometer
- Barometer
- Accelerometer
- Gyroscope

- Ambient Light (Illumination) sensor
- Proximity sensor

5.4 Certifications

- CE, FCC, IC, ICASA, ACMA, RoHS, HAC, UN38.3, MSDS, IEC 62133
- HAC: M4/T4

6 Regular use and safety information

6.1 Personal use

- Do not disassemble the phone. The only removable parts of the phone are the back cover and the battery. No tools are necessary to access the battery compartment. Disassembling the phone will void its warranty.
- Use the phone for its intended use only and only according to its user manual. The manufacturer is not liable for any damage caused to the phone or the environment as a result of misuse.
- Do not use a damaged phone. Before each using the phone please check that it is intact. Using a damaged phone may lead to injury or further damage. Please contact your distributor for in and out of warranty repairs.
- Switch the phone off when mobile phone use is not allowed or when it may cause interference or danger. Please obey all instructions in restricted areas.
- The manufacturer cannot guarantee correct operation of the phone when other than original accessories are used. If you decide to use other than the original accessories, please consult this first with your distributor.
- To prevent possible hearing damage, do not listen at high volume levels for long periods of time. The loudspeaker and earpiece of the phone are very loud. Please take extra care when using the highest volume, especially when the phone is close to your ears.
- Make sure that you can hear ambient sounds when commuting with earphones. This can put you into potentially dangerous situations in traffic.
- The phone is not water or dust resistant, keep it dry. Prevent any contact with liquid.
- Do not use the phone in dusty, smoky, or damp environments, or near magnetic fields. Dirt or moisture can get inside the phone which can potentially damage it.
- Keep the phone away from heat sources and out of direct sunlight. Do not leave your phone inside a vehicle or in places where the temperature may exceed 113° F (45° C).
- Do not use the phone while driving, riding a bicycle, or other vehicle. Always obey local laws regarding the use of mobile devices.
- Do not place the phone or any of its accessories in a microwave oven.
- Do not place the phone near credit cards or other storage devices carrying information on magnetic strips. The phone's speaker contains a magnet which can erase information on magnetic storage media.

6.2 Battery and charging

- Try to keep the battery between 41°F and 86°F (5°C and 30°C) for optimal performance. Short exposures to warmer or colder temperatures will not damage the battery, but extended periods of exposure to extreme temperatures will reduce the capacity and lifetime of the battery.
- Switch the phone off and remove its battery when the phone is not used for long periods of time. Ideally the battery should be charged at about 60% when stored. This will prolong the battery life and preserve its maximal capacity.
- Do not dismantle, cut, crush, bend, puncture, or otherwise damage the battery in any way. The battery may catch on fire if damaged. This is not very likely, but it is possible. Please keep in mind that the battery is the most dangerous part of the phone.
- Do not attempt to repair or modify the battery. This may lead to a damage of the battery, which can cause a fire or an explosion.
- Never use a damaged battery, charger, or charging cable. The battery or charger may catch on fire, or may cause an electric shock.
- Only use the original battery, and only use the original battery for powering the phone it is intended for. The battery is designed exclusively for this specific device. Other batteries may not fit well, or have different properties and they could damage your phone.
- All batteries have limited lifespan and will experience drop in capacity after a few hundred charging cycles.
- The power adapter is intended for indoor use only.
- When disconnecting the power adapter from a power outlet, pull on the adapter, never on the cable.
- Unplug the power adapter from a power outlet when not in use.
- Never handle the adapter with wet hands.

6.3 Recycling

Always return your used electronic products, batteries, and packaging materials to dedicated collection points. Do not dispose of these products as unsorted municipal waste. If you are not certain how to dispose of your phone, its accessories, or its packaging please contact your distributor.

##Small children and animals Keep the phone and its accessories away from small children and animals. Your phone contains (or comes with) small parts, plastic elements, and parts with sharp edges that may cause an injury or create a choking hazard.

##Interference with medical devices - Operation of radio transmitting equipment, including wireless phones, may interfere with inadequately shielded medical devices' function. Consult a physician or the medical device's manufacturer to determine if it is adequately shielded from external radio energy. - To avoid potential interference, manufacturers of implanted medical devices recommend a minimum separation of 15.3 centimeters (6 inches) between a wireless device and the medical device. Persons who have such devices should: - Always keep the wireless device

more than 15.3 centimeters (6 inches) from the medical device. - Not carry the wireless device in a breast pocket. - Hold the wireless device to the ear opposite the medical device. - Switch the wireless device off if there is any reason to suspect that interference is taking place. - Follow the manufacturer's directions for the implanted medical device. - If you have any questions about using your wireless device with an implanted medical device, consult your healthcare provider.

6.4 SAR ratings

- The phone is classified for use in a typical domestic environment.
- The highest Specific Absorption Rate (SAR) value reported for the phone according to CE standard when tested at the head is 0,623 W/kg (10g), and when properly worn on the body is 1,474 W/kg (10g). The minimum distance for body-worn operation is 5mm.

6.5 Software and services' availability

The software of the phone is offered as is, with all its possible faults. The manufacturer makes no claims, promises, or guarantees about the accuracy, completeness, or adequacy of the contents provided by the phone, and expressly disclaims liability for errors and omissions presented by the phone.

- Some applications require internet connection to operate properly.
- At times some services may be unavailable due to server downtimes or because of unavailability of third party services.
- Information provided by the phone may not always be accurate (e.g. location, color recognition results, weather information, etc.).
- The manufacturer is in no way responsible for content of third parties presented by the phone's applications.
- The software is continuously updated. The manufacturer reserves the right to adjust the software or contents of the user manual without prior notice.

6.6 When in doubt contact the distributor

If you have any questions, concerns, or encounter a situation where you need assistance, please contact the distributor from which you have purchased the phone. You may also contact the manufacturer of the phone directly via an email at info@blind-shell.com.

7 Regulatory information

7.1 Regulatory information - United States (FCC compliance)

WARNING!! Read this information before using your phone. In August 1986 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards. Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

Body-worn operation

This device was tested for typical body-worn operations with the back/front of the phone kept 10mm from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 10mm must be maintained between the user's body and the back/front of the phone, including the antenna. Third-party belt-clips, holsters and similar accessories containing metallic components shall not be used. Body-worn accessories that cannot maintain 10mm separation distance between the user's body and the back/front of the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.

For more information about RF exposure, please visit the FCC website at www.fcc.gov

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals. In August, 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies: - ANSIC95.1 (1992) - NCRP Report 86 (1986) - ICNIRP (1999)

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1). Nevertheless, we recommend that you use a hands-free kit with your phone (such as an earpiece or headset)

to avoid potential exposure to RF energy. The design of your phone complies with the FCC guidelines (and those standards).

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

Normal position: Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

RF exposure information

This product is compliance to FCC RF Exposure requirements and refers to FCC website <https://apps.fcc.gov/oetcf/eas/reports/GenericSearch.cfm> search for FCC ID: 2ATXD-BS-02 to gain further information include SAR Values.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: - Reorient or relocate the receiving antenna. - Increase the separation between the equipment and receiver. - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. - Consult the dealer or an experienced radio/TV technician for help

Do not use the device with the environment which is below minimum -10°C or over maximum 50°C, the device may not work.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Ad Hoc function is supported but not able to operate on non-US frequencies.

Operation of this device is restricted to indoor use only. (W52 band)

Hearing aid compatibility (HAC)

Your phone is compliant with the FCC Hearing Aid Compatibility requirements.

The FCC has adopted HAC rules for digital wireless phones. These rules require certain phones to be tested and rated under the American National Standard Institute (ANSI) C63.19-2011 hearing aid compatibility standards. The ANSI standard for hearing aid compatibility contains two types of ratings: - M-Ratings: Rating for less radio frequency interference to enable acoustic coupling with hearing aids. - T-Ratings: Rating for inductive coupling with hearing aids in telecoil mode.

A phone is considered hearing aid compatible under FCC rules if it is rated M3 or M4 for acoustic coupling and T3 or T4 for inductive coupling. These ratings are given on a scale from one to four, where four is the most compatible. Your phone meets the M4/T4 level rating.

However, hearing aid compatibility ratings don't guarantee that interference to your hearing aids won't happen. Results will vary, depending on the level of immunity of your hearing device and the degree of your hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. For more information about FCC Hearing Aid Compatibility, please go to <http://www.fcc.gov/cgb/dro>.

7.2 Regulatory information - Canada (ISED Canada compliance)

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: 1. This device may not cause interference. 2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L' appareil ne doit pas produire de brouillage;

2. L' appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d' en compromettre le fonctionnement.

Body-worn operation

This device at operating duty factors of up to 63.3% was tested for typical body-worn operations with the back of the phone kept 10mm from the body. To comply with RSS102 requirements, a minimum separation distance of 10mm must be maintained between the user's body and the back of the phone, including the antenna. Third-party belt-clips, holsters and similar accessories containing metallic components shall not be used. Body-worn accessories that cannot maintain 10mm separation distance between the user's body and the back of the phone, and have not been tested for typical body-worn operations may not comply with RSS 102 limits and should be avoided.

Fonctionnement porté sur le corps

Cet appareil à des facteurs de fonctionnement allant jusqu'à 63,3 % a été testé pour des opérations typiques portées sur le corps, l'arrière du téléphone étant maintenu à 10mm du corps. Pour se conformer aux exigences RSS102, une distance de séparation minimale de 10mm doit être maintenue entre le corps de l'utilisateur et l'arrière du téléphone, y compris l'antenne. Les clips de ceinture, étuis et accessoires similaires contenant des composants métalliques ne doivent pas être utilisés. Les accessoires portés sur le corps qui ne peuvent pas maintenir une distance de séparation de 10mm entre le corps de l'utilisateur et l'arrière du téléphone et qui n'ont pas été testés pour des opérations typiques portées sur le corps peuvent ne pas être conformes aux limites RSS 102 et doivent être évités.

Operation of this device is restricted to indoor use only. (W52 band)

Le fonctionnement de cet appareil est limité à une utilisation en intérieur uniquement. (W52 band)

7.3 Regulatory information - EU (Simplified Declaration of Conformity)

Hereby, Matapo a.s. declares that the radio equipment type mobile phone is in compliance with Directive 2014/53/EU

The full text of the EU declaration of conformity is available at the following internet address: www.blidnshell.com/manual/eu-doc-en.pdf

7.4 Information on disposal for users of WEEE - EU



This symbol on the product and / or accompanying documents means that used electrical and electronic equipment (WEEE) should not be mixed with general household waste. For proper treatment, recovery and recycling, please take this product(s) to designated collection points where it will be accepted free of charge. Alternatively, in some countries, you may be able to return your products to your local retailer upon purchase of an equivalent new product.

Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point.

Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.

7.5 Restrictions in 5GHz band - EU

The device is restricted for indoor use only when operating in the range from 5.15MHz to 5.35MHz in following countries:

	AT	BE	BG	CY	CZ	DE	DK
	EE	EL	ES	FI	FR	HR	HU
	IE	IT	LV	LT	LU	MT	NL
	PL	PT	RO	SK	SI	SE	UK

7.6 Regulatory information - ICASA - South Africa

This device complies with ICASA standard(s). The full text of the declaration of conformity can be found online at following internet address: www.blidnshell.com/manual/za-doc-en.pdf

7.7 Regulatory information - ACMA - Australia & New Zealand

This device complies with ACMA standard(s). The full text of the declaration of conformity can be found online at following internet address: www.blidnshell.com/manual/au-doc-en.pdf

8 Legal information

8.1 Limited warranty

The phone is covered by limited warranty. The warranty period is following in United States, Canada: twelve (12) months; European Union, South Africa, United Kingdom, Australia, New Zealand: twentyfour (24) months.

Please confirm the warranty period for countries and/or regions not listed in this document with your distributor.

The minimal life of a battery is 12 months. During this period only a minor decrease in its capacity should occur. After this period any decrease in its capacity or loss of function is considered to be caused by a common wear. The limited warranty starts at the day of purchase of the product by the first end user. The limited warranty covers defects in material and workmanship. All other warranties, express or implied are disclaimed.

- No warranty is granted, regardless of malfunction encountered, in the following cases:
- Normal wear and tear of the product and reduction in the battery charge by its use.
- Damage resulting from improper use, exposure to humidity, or liquid, or heat source.
- Damage resulting from using accessories or connectors not supplied by the manufacturer.
- Damage caused by dropping the device or caused by applying excessive pressure, which results in cracks or breaking of parts of the device.
- Failure to respect the information provided in the Safety, Regulatory and Legal Information document.
- Damage caused by using an unoriginal battery, or using the BlindShell battery in another device.
- Damage resulting from an attempted repair done by unauthorized personnel.

This limited warranty does not cover any network service malfunctions, such as mobile or wifi network outages.

The software of the device is offered as is, with all its possible faults.

We recommend backing up the user data at least once a month to prevent any unwanted data loss. The manufacturer is not responsible for data loss because of a device malfunction, repair or replacement of the device.

8.2 Limits of the manufacturer's liability

The warranty described herein sets out the full extent of Matapo's responsibilities, and the exclusive remedy regarding the product. In no event will Matapo be liable

for damages in excess of the purchase price of the product or for, without limitation, commercial loss of any sort; loss of use, time, data, reputation, opportunity, goodwill, profits or savings; inconvenience; or incidental, special, consequential or punitive damages.

Matapo's authorized distributors bear no responsibility or liability associated with the use or misuse of the device.

8.3 Dispute resolution - U.S. and its territories only

This document herein constitutes a binding legal agreement ("agreement") between you (either an individual or an entity) and Matapo. Opening the product packaging, use of the product or retention of the product constitutes acceptance of this agreement, regardless of whether you are the original purchaser, user, or other recipient of the product.

You and Matapo each agree that all disputes arising in any way from this limited warranty, or the sale condition, or performance of the product shall be resolved exclusively through final and binding arbitration, and not by a court or a jury. Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law.

The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. The AAA Rules are available online at adr.org or by calling the AAA at 1-800-778-7879. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of New York, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are \$5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant Matapo its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or \$50.00 of such fees, whichever is less, and Matapo shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed \$5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs to the extent allowed by the applicable law. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

You may opt out of this dispute resolution procedure by providing notice to Matapo no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to info@blindshell.com, with the subject line: "Arbitration Opt Out." In the opt out email you must include following information: 1. your name and address; 2. the date on which the Product was purchased; 3. the Product model name or model number; and 4. the IMEI which can be found 1. on the Product box; 2. on a label on the back of the product beneath the battery.

This is the only form of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.