

N672x

User Manual

Revision: R00
(11/2020)

Trademark

All brand and product names are trademarks or registered trademarks of their respective companies.

Disclaimer

Specifications and documents are subject to change without notice.

Note

Not all models are available in all regions.

Not all features are available on all models.

Depending on the specific model purchased, the colour and look of your device and accessories may not exactly match the graphics shown in this document. The screenshots and other presentations shown in this document are for reference only.

MiTAC Computer (Kunshan) Co., Ltd.

No. 269, 2nd Avenue, District A, Comprehensive Free Trade Zone, Kunshan, Jiangsu, China

Table of Contents

| | |
|-------------------------------------------|----|
| Getting to Know Your Device..... | 4 |
| Front and Back..... | 4 |
| Left and Right..... | 4 |
| Top and Bottom..... | 4 |
| Using the Battery..... | 5 |
| Installing and Removing the Battery | 5 |
| Charging the Battery | 6 |
| Using the Hot-swap Function | 6 |
| Extending the Battery Life | 7 |
| Using the Memory Card and SIM Card | 8 |
| Turning the Device On and Off..... | 9 |
| Turning On | 9 |
| Sleep Mode | 9 |
| Airplane Mode..... | 9 |
| Restarting the Device..... | 9 |
| Turning Off..... | 9 |
| Shutting Down..... | 9 |
| Connecting the Device to a Computer | 10 |
| Using the Touch Screen | 11 |
| Rotating the Screen | 11 |
| Home Screen | 12 |
| Status Bar | 12 |
| Desktop | 12 |
| Application Shortcuts and Widgets | 12 |
| Favourites Tray | 13 |
| Grouping Shortcuts in a Folder | 13 |
| Changing the Wallpaper..... | 13 |
| Quick Settings..... | 13 |
| Your Apps..... | 14 |
| Barcode Reader | 15 |
| Turning Barcode Reader On and Off | 15 |
| Using the Barcode Reader..... | 15 |
| About the Barcode Reader..... | 15 |
| Using the Keyboard..... | 16 |
| Basic Editing | 16 |
| Connectivity..... | 17 |
| Cellular Data Connection | 17 |
| Wireless Network Connection | 17 |
| Bluetooth..... | 17 |
| NFC..... | 18 |
| Personalising Your Device..... | 19 |
| Settings Menu | 19 |
| Reference..... | 20 |
| Troubleshooting..... | 20 |
| Caring for the Device | 20 |

Regulatory Information..... 22

 FCC..... 22

 CE..... 22

 RF Exposure Information (SAR) 23

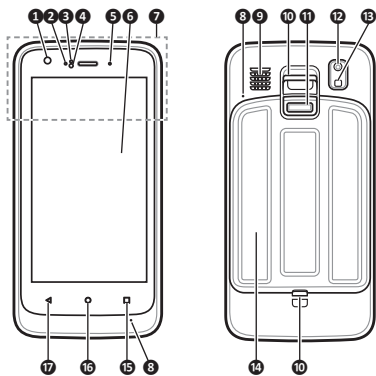
 WEEE..... 24

 Bluetooth..... 24

Safety Precautions 25

Getting to Know Your Device

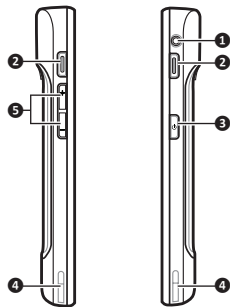
Front and Back



- ❶ Front camera lens*
- ❷ Charge indicator
- ❸ Light sensor
- ❹ Proximity sensor*
- ❺ Notification indicator
- ❻ Touch screen
- ❼ NFC sensor*
- ❽ Microphone
- ❾ Speaker
- ❿ Lanyard holder
- ⓫ Battery cover latch
- ⓬ Rear camera lens*
- ⓭ Flash*
- ⓮ Battery cover
- ⓯ Recent Apps
- ⓰ Home
- ⓱ Back

*For selected models only

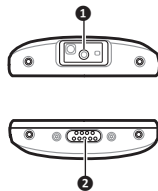
Left and Right



- ❶ Headphone jack
- ❷ Barcode reader button*
- ❸ Power button
- ❹ Socket for device charger
- ❺ Volume buttons

*For selected models only

Top and Bottom



- ❶ Barcode reader*
- ❷ Microphone
- ❸ Dock connector

*For selected models only

Using the Battery

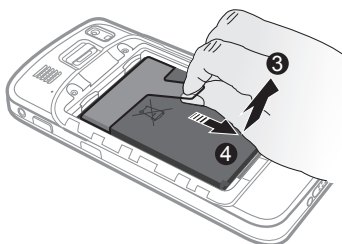
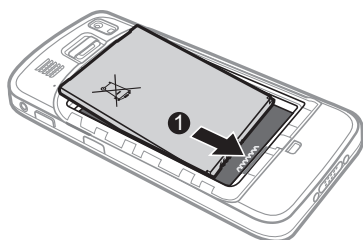
Installing and Removing the Battery

1. Slide the battery cover latch downward to unlock the battery cover (❶). Using the small opening (beside the power button) as the release point (❷), pry the cover open along the side, and then remove the cover.

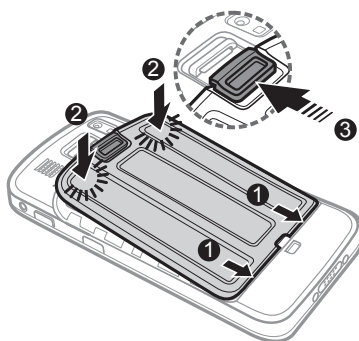


2. With the label side facing up, match the battery's contact points (❶), insert the battery at an angle, and then fit it into the compartment.

To remove the battery, pull the plastic tab at an angle downward (❷) and lift the battery out of the compartment (❸).



3. Place the battery cover back on (❶), lightly press the edges of the cover (❷), and then slide the battery cover latch upward (❸) to lock the battery cover.



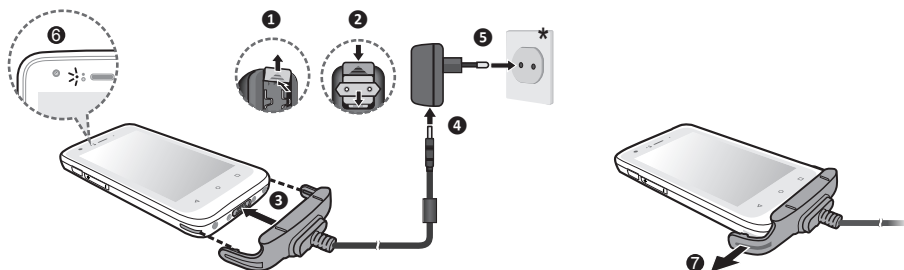
Charging the Battery

When charging the battery for the very first time, you should charge it for at least 8 hours (using the AC charger) with your device turned off.

Push the clip outwards (❶), insert the plug to the AC charger and then push the clip inwards to lock the plug in place (❷). Attach the charging cable to the device by lining up the connector on the holder to the dock connector on the bottom of the device (❸). Make sure that the holder slides into the sockets on the device properly. Plug the USB end of the power cord to the AC charger (❹), and plug the AC charger to a wall outlet (❺).

The charge indicator glows red when charging is in progress (❻). When the battery is fully charged, the indicator turns green.

To detach the device from the charging cable, gently pry away one side of the holder (❼).



* The look of the charger plug varies depending on your region.

CAUTION! Use only the charger supplied with your device. Use of another type of charger will result in malfunction and/or danger.

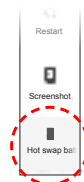
For optimal performance of the lithium battery:


- Do not charge the battery where the temperature is high (for example, in direct sunlight).
- There is no need to fully discharge the battery.
- When storing the device/battery for a long period of time, be sure to charge the device at least once every two weeks. Over discharge of the device can affect the performance.
- Failure to follow the battery usage instructions may impair performance or cause damage to your device or battery. In extreme cases it may even lead to bodily injury or property damage, and will void any warranty.

Using the Hot-swap Function

The hot-swap battery feature allows you to change the battery without turning off the device, saving valuable operating time. Follow the steps to replace the hot-swappable battery of your device.

1. Disconnect the device from any AC power source.
2. Press and hold the power button for 2 seconds to display the options menu, and then select **Hot swap battery**.
3. If prompted, tap **OK** and wait until the notification indicator on the top-right corner of the front side turns green.
4. Follow the instructions in the previous section to replace the battery.
5. Press the power button to resume the device.



 To ensure optimal operations of the device, you are advised to complete the replacement within 30 minutes. If you have not used the device for a long time, you are advised not to use the Hot swap battery function until after 3 hours of powering on the device.

 If the device turns off during the procedure, press and hold the power button until the device turns on.

Extending the Battery Life

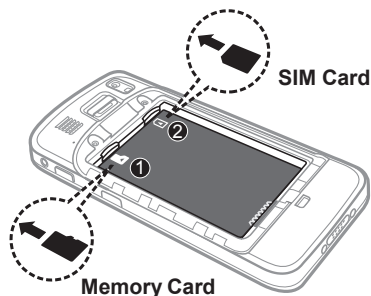
There are various ways to improve the device's battery life.


- Always fully charge the battery.
- Turn on Battery saver (**Settings** → **Battery** → **Battery Saver**).
- Turn off unnecessary sounds, such as touch sounds.
- Close an app when you are not using it.
- Use a shorter timeout setting of the screen (**Settings** → **Display** → **Advanced** → **Screen timeout**).
- Lower the brightness level of the screen.
- Turn off Bluetooth when you are not using it.
- Prevent the device from constantly scanning for available wireless networks (**Settings** → **Network & internet** → **WIFI** → **WIFI preferences**).
- Enable Airplane mode to turn off all wireless transmission functions.

Using the Memory Card and SIM Card

1. Follow the instructions in the "Installing and removing the battery" section to remove the battery cover, and then remove the battery out of the battery compartment.
2. Locate the MicroSD card slot (❶). Hold the MicroSD card by the edges and gently insert it into the slot. Press until the card clicks into place.

Depending on the model, your device may use a Nano SIM card. Locate the Nano SIM card slot (❷). Hold the Nano SIM card by the edges and gently insert it into the slot. Press until the card clicks into place.



 In serting the card in the reverse direction may cause damage. To remove the card, gently push the top edge of the card inwards to release it, and pull it out of the slot.

3. Replace the battery and the battery cover.


CAUTION!

- Do not apply pressure to the center of the memory card.
- The manufacturer does not guarantee the product's compatibilities with the storage cards from all manufacturers.
- If you encounter access problems with your memory card, please visit the website https://www.sdcard.org/downloads/formatter_4/ and use the "SD Memory Card Formatter 5.0 for SD/SDHC/SDXC" tool to format your memory card.

Turning the Device On and Off


Turning On

Press and hold the Power button for about 2 seconds to turn on your device. Wait for the boot screen to display.

The Home screen will display and the device is in Lock mode by default. Drag the Lock icon () upwards to unlock. The device is ready for use.


Sleep Mode

Your device will automatically switch off the screen after 1 minute (by default) of inactivity. You can manually switch off the screen by pressing the Power button briefly.

To resume the screen, press the Power button briefly and then unlock the device by dragging the Lock icon () upwards.

Airplane Mode

When you are using the device during air travel or in the area where data transferring is prohibited, enable Airplane mode. You will be able to use many of your device's applications, but all wireless radios, including wireless networks and Bluetooth, on the device are turned off.

To enable (or disable) Airplane mode: open the App drawer and tap **Settings** → **Network & internet** → **Advanced**, then tap the **Airplane mode** switch to turn it on (or off). The  icon in the status bar indicates that Airplane mode is on.

 You can enable WIFI and Bluetooth in Airplane mode.

 You can turn the Airplane mode on or off from the Quick Settings.

Restarting the Device

You may need to reboot the device when the device is running slower or improperly. Press and hold the Power button to display the options menu and tap **Restart** to restart the device.

Turning Off

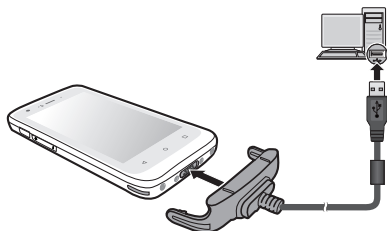
To turn off the device, press and hold the Power button to display the options menu and tap **Power off**.


Shutting Down

If the device stops responding, you may need to shut down the device by pressing and holding the Power button for 8 seconds in order to force a device reboot.

Connecting the Device to a Computer

To connect the device to a computer, use the device charger to connect the two devices.



 When you connect the device to your computer for the first time, allow the USB driver of the device to be installed properly on your computer.

Using the Touch Screen

To operate your device, touch the screen with your finger. You can perform the following actions:

- **Tap:** Touch the screen once with your finger to open items or select on-screen buttons or options.
- **Tap and hold:** Tap and hold on the desired item to open the pop-up menu that contains the available options for the item.




- **Drag:** Tap and hold on the item and then move it to the target position without releasing your finger.
- **Slide/Swipe:** Drag your finger vertically or horizontally across the screen.
 - Drag to the left/right to switch to the next/previous item on the list.
 - Drag to the top/bottom to scroll up/down the screen.

 Not all slide gestures are applicable to all applications.



- **Two-finger gestures:** Move your fingers apart or together on the screen to zoom in or out while viewing a picture or a web page.

 Not all two-finger gestures are applicable to all applications.



Rotating the Screen

For most applications, you can automatically change the screen orientation, from portrait to landscape and vice versa, by turning the device sideways.


To enable (or disable) the auto-rotate screen function: open the App drawer by long-swiping from the home button upwards and tap **Settings** → **Display** → **Advanced**, then tap the **Auto-rotate screen** switch to turn it on (or off).

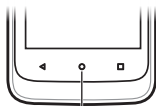
 Rotating the screen is not applicable to all applications.

 You can also enable/disable the auto-rotate function in the Quick Settings menu.

Home Screen

The Home screen is your starting place for tasks, providing quick access to frequently used applications and settings.

- To open the App drawer, swipe up from the bottom of the screen with one finger.
- To display the Home screen, tap the Home button () at any time.



Home button

Status Bar

The status bar is at the very top of the screen, displaying system status icons and notification icons.

 Depending on your use of the device, some icons are not always shown in the status bar.

■ System status icons

The system status icons are displayed on the right side of the status bar. They provide information about your device's status, including the connection status, signal strength, battery power, and more.

■ Notification icons

The notification icons are displayed on the left side of the status bar. They report the arrival of new emails, calendar events, and other notifications.

When you see notification icons displayed in the status bar, you can open the Notifications panel to view the detailed descriptions. To open the Notifications panel, swipe down from the top of the screen with one finger.

From the Notifications panel, do one of the following:

- Tap a notification to open the related application.
- Tap **CLEAR ALL** to clear all notifications.

Desktop

The desktop includes the Home screen and the extended screens, providing useful information about notifications and device status. It also allows you to add an access to your favourite application shortcuts/widgets on the Home screen and the extended screens.

- Swipe left or right to switch between the screens.
- To add an extended screen: make sure that at least one application shortcut or widget is already set on the Home screen or an extended screen, then drag the icon toward the edge of the screen to add a new extended screen.

 An extended screen will be removed automatically when there are no longer any shortcuts or widgets placed on it.

Application Shortcuts and Widgets

The application shortcuts and the widgets can be placed on either the Home screen or any of the extended screens.

To add a shortcut:

1. Go to the screen where you want to place the shortcut.
2. Swipe up from the bottom of the screen to open the App drawer.

3. Tap and hold the desired app until the Home screen appears, drag it into place, and lift your finger.

To add a widget:

1. Go to the screen where you want to place the widget.
2. Tap and hold anywhere on the desktop, and select **Widgets**.
3. Scroll up and down to explore the available widgets.
4. Tap and hold the desired widget until the Home screen appears, drag it into place, and lift your finger.

To move a shortcut or widget to another position:

1. Tap and hold the icon, and drag the icon to the new position.
 - To move between the screens on the desktop, swipe toward the edge of the screen.
 - To bump another icon out of the way, slowly drag the desired icon into it.
2. Lift your finger.

To remove a shortcut or widget from the desktop (without removing it permanently from the device), tap and hold the icon, drag your finger toward the top-left corner of the screen, and drop it over **X** (Remove).

Favourites Tray

You can use the Favourites tray at the bottom of the desktop to quickly access your preferred apps.

You can edit the apps in the Favourites tray: simply tap and hold an icon and move it in or out of the Favourites tray or the desktop.

Grouping Shortcuts in a Folder

You can group the shortcuts to apps or settings on the desktop and the Favourites tray into a folder.

1. Tap and hold a shortcut, and then drag it over to another shortcut. A folder will be created automatically.
2. Tap to open the folder.
 - To add another shortcut to the folder, tap and hold the shortcut, and drag it over to the folder.
 - To remove a shortcut from the folder, tap and hold the shortcut, and drag it out of the folder.
3. To rename the folder, tap the title bar of the folder, and enter the desired folder name.
4. To delete the folder, tap and hold the folder, drag your finger toward the top of the screen, and drop it over **X** (Remove).

Changing the Wallpaper

1. Tap and hold anywhere on the desktop, and select **Wallpapers**.
2. Select a wallpaper image and tap **SET WALLPAPER**.

Quick Settings

Some frequently used settings can be found in Quick Settings. To open Quick Settings, simply swipe down from the top of the screen with two fingers or twice with one finger. Swipe left or right to access more settings.

Tap an icon to turn the function on or off; tap and hold an icon to change its setting.

- WIFI
- Bluetooth

- Do not disturb
Set how and when to receive notifications.
- Flashlight
- Auto-rotate
Set the device's orientation to automatically rotate or lock in the portrait mode.
- Battery Saver
- Mobile data
See the cellular data usage, or turn it on or off.
- Airplane mode
- Screen Cast

Your Apps

To see all your apps, swipe up from the bottom of the screen to open the App drawer.

You can place an app icon on any of the screens on the desktop. Tap and hold the app icon, then drag into the desired screen, and lift your finger.


To view information about an app, tap and hold the icon and then tap ⓘ (App info).

When you use some apps for the first time, you will be prompted to grant permissions for the apps to access certain data or features. To grant a permission, tap **Allow**; to reject a permission, tap **Deny**.

You can customise the permission settings of your apps in Settings:




1. Open the App drawer and tap **Settings** → **Apps & notifications** → **Advanced** → **Permission manager**.
2. Select an app to customise permission settings.

Barcode Reader


 This feature is for selected models only.

By using the Barcode Reader, your device will be able to read the information contained in the barcode.

Turning Barcode Reader On and Off

- 1. Open the App drawer and tap **BCR Settings** ().
- 2. Tap the **BCR Settings** switch to turn it on () or off (.

Using the Barcode Reader

- 1. Open the App drawer and tap **BCR Reader** ().
- 2. Position your device close to the barcode (approximately 5~10 cm) and point the barcode reader sensor to the barcode.
- 3. Do one of the followings to start scanning:
 - Press the Barcode reader button on the device; or
 - Tap the **SCAN** button of the BCR Reader application.

Meanwhile, hold your device steadily to keep the barcode within the sensor coverage until the information is displayed on the screen.

About the Barcode Reader

The following tables specify the supported symbologies and read ranges of the barcode reader.

| Symbologies |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Linear: UPC/EAN/JAN, GS1 DataBar, Code 39, Code 128, Code 32, Code 93, Codabar/NW7, Interleaved 2 of 5, Code 2 of 5, Matrix 2 of 5, MSI, Telepen, Trioptic, China Post |
| 2D Stacked: PDF417, MicroPDF417, GS1 Composite |
| 2D Matrix: Aztec Code, Data Matrix, QR Code, Micro QR Code, MaxiCode, Han Xin Cod |
| Postal: Intelligent Mail Barcode, Postal-4i, Australian Post, British Post, Canadian Post, Japanese Post, Netherlands (KIX) Post, Postnet, Planet Code |
| OCR Option: OCR-A, OCR-B, E13B (MICR) |

| Symbology | Extended Range (Typical) | |
|----------------|--------------------------|----------------|
| | Start (mm/[in]) | Stop (mm/[in]) |
| C39 5mil | 96.5 [3.8] | 283 [11.1] |
| C39 10mil | 72 [2.8] | 551 [21.7] |
| UPC-A 13mil | 51 [2.0] | 559 [22.0] |
| C39 20mil | 56 [2.2] | 819 [32.2] |
| PDF 417 6.7mil | 127 [5.0] | 232 [9.1] |
| QR 20mil | 45 [1.8] | 516 [20.3] |
| DM 10mil | 120 [4.7] | 282 [11.1] |

 Barcode quality and environmental conditions may affect performance.

Using the Keyboard

When you select a field that requires text or numbers, the on-screen keyboard will automatically appear. You can use the on-screen keyboard to enter text, numbers, symbols, etc.

Some apps open the keyboard automatically. In others, tap where you want to type to open the keyboard.

As you type, predictive suggestions for completing each word appear above the keyboard.

Basic Editing

■ To change where you want to type:

Tap the screen once in the position where you want to type and the typing symbol will move to the new position.

■ To select text:

1. Tap and hold (or double-tap) within the text.
2. The nearest word highlights, with a tab at each end of the selection. Drag the tabs to change the selection.











■ To delete text:

Tap  to delete the characters before the cursor or selected text.




■ To cut, copy or paste text:

1. Select the text you want to cut or copy, and tap **Cut** or **Copy**.
2. Tap where you want to paste the text, and tap **Paste**.

■ To type capital letters:

- To type one capital letter, tap  on the keyboard until it turns to .
- To type multiple capital letters, tap and hold (or double-tap quickly)  to turn it to  (caps lock is turned on).
- To quickly change the capitalisation of a word you have already typed, select it and tap the  /  / .
- To type lowercase letters, tap  /  once to turn it to .



■ To type a symbol:

1. Tap .
2. To view additional symbols, tap .
3. Tap  to return to the keyboard.

■ To type an accented characters (not applicable to all apps):

Tap and hold the letter. When the suggestions appear above the keyboard, slide to the desired accented character and lift your finger.

■ To use emoji (not applicable to all apps):

1. Tap . You will see the emoji symbols.
2. Scroll up and down to view and select the desired emoji.
3. Tap  to return to the keyboard.

Connectivity

Cellular Data Connection

 This feature is not available on all models.

To use cellular services, you must insert a Nano SIM card with an active data subscription plan from a mobile network provider. In most cases, the settings of the cellular services are installed automatically.

To turn cellular services on/off:

1. Open the App drawer and tap **Settings** → **Network & internet** → **Mobile network**.
2. Tap the **Mobile data** switch to turn it on or off.


If you are on a limited data allowance, you can monitor the data usage on the device: open the App drawer and tap **Settings** → **Network & internet** → **Mobile network** → **Data usage**.

 Turn off the cellular services when not in use to save battery power.


 Mobile data can also be turned on/off through the Quick Settings menu.

Wireless Network Connection

To access data services through a wireless local area network (WIFI) on your device, you need to connect to a wireless access point (AP) or "hotspot".

 The coverage of the WIFI signal can be up to 300 feet (100 metres). However, coverage, speed and connection stability varies greatly due to external factors such as building infrastructure and other objects which may interfere with the WIFI signal.

■ Connecting to a Wireless Network

1. Open the App drawer and tap **Settings** → **Network & internet**.
2. Tap the **WIFI** switch to turn it on. The device will automatically scan for available wireless networks.
3. Tap a wireless network to connect.
4. If you select an open network, you will be automatically connected to the network. If you select a secured network, enter the key and then tap **CONNECT**.
5. When your device is connected to a wireless network, the WIFI icon () will appear in the status bar.

The next time your device connects to a previously accessed secured wireless network, you will not be prompted to enter the key again, unless you reset the network settings or reset your device to its factory default settings.

 Turn off the WIFI function when not in use to save battery power.

 WIFI settings can also be turned on/off through the Quick Settings menu.

■ Removing a Remembered Network


1. Open the App drawer and tap **Settings** → **Network & internet** → **WIFI**.
2. Tap and hold the network to remove on the list, and select **Forget network**.

Bluetooth

Bluetooth is a short-range wireless communications technology that allows Bluetooth-enabled devices to exchange information over a distance of about 30 feet (10 metres) without requiring a physical connection.

■ Pairing with Another Bluetooth Device

1. Make sure that the Bluetooth function of the other device is turned on.
2. Open the App drawer and tap **Settings** → **Connected devices** → **Pair new device**.
3. The device will automatically scan for available Bluetooth devices.
4. Tap the desired device from the list to initiate pairing.
5. Make sure that the same passkey is displayed on your device and the other device, and then tap **PAIR**.

 Turn off the Bluetooth function when not in use to save battery power.

■ Disconnecting a Bluetooth Connection



1. Open the App drawer and tap **Settings** → **Connected devices**.
2. Tap the desired paired device.
3. When prompted to disconnect, tap **OK**.

NFC

 This feature is not available on all models.

The Near Field Communication (NFC) feature allows you to easily transfer data to an NFC-compatible device, read and write information to contactless cards and NFC-compatible devices, and more. The NFC area is located at the lower right corner of the device's front panel. The distance of the two devices to communicate should be within the range of 4 cm.

■ Turning NFC On and Off

1. Open the App drawer and tap **Settings** → **Connected devices** → **Connection preferences**.
2. Tap the **NFC** switch to turn it on () or off ().

■ Transferring Data Using NFC

1. Access the data you want to share, access the share options, and tap **Android Beam**.
2. Touch the screen of your device.
3. Hold the lower right corner of your device close to the NFC sensor of the other device.
4. Pay attention to and accept the beam notification on the other device.

■ Reading a NFC Card


You can use your device to read NFC cards. Simply launch the NFC-enabled application (not included) and then move the contactless card close to the NFC sensor of the device. Keep holding the card until the transaction is complete.

Personalising Your Device

You can easily customise the device for personal settings through the Settings menu, such as personalising the Home screen, changing the display and sound settings, configuration the connection settings, and more.

Settings Menu

To access the Settings menu, do one of the following:

- Open the App drawer and tap **Settings**.
- Slide down from the top of the screen with two fingers or twice with one finger to open Quick Settings, and tap .



Not all setting items and options are available for all models.



Tap **Advanced** to access more setting options.

Reference

Troubleshooting

For initial support, contact your IT department or your local authorised dealer.

■ **Power does not switch on when using battery power.**

The remaining battery power may be too low to run your device. Charge the battery.

■ **Screen responds slowly.**

Make sure that your device is not running out of battery power. If the problem still persists, restart your device.

■ **Screen freezes.**

Restart your device.

■ **Screen is hard to read.**

Make sure that the backlight of the display is set to a high-enough brightness.

■ **Cannot establish a connection with a computer.**

- Make sure that your device and your computer are both switched on before trying to establish a connection.
- Make sure your device has "USB Client" mode enabled. You can find this feature under **Settings → Connected devices → Connection preferences**.
- Make sure that the cable is securely plugged into the USB port on your computer and on your device. Connect the USB cable directly to your computer—do not run the cable through a USB hub.
- Restart your device before connecting the cable. Always disconnect your device before you restart your computer.

Caring for the Device

Taking good care of your device will ensure trouble-free operation and reduce the risk of damage to your device.

- Keep your device away from excessive moisture and extreme temperatures.
- Avoid exposing your device to direct sunlight or strong ultraviolet light for extended periods of time.
- Do not place anything on top of your device or drop objects on your device.
- Do not drop your device or subject it to severe shock.
- Do not subject your device to sudden and severe temperature changes. This could cause moisture condensation inside the unit, which could damage your device. In the event of moisture condensation, allow the device to dry out completely before use.
- The screen surface can easily be scratched. Avoid touching it with sharp objects. Non-adhesive generic screen protectors designed specifically for use on portable devices with LCD panels may be used to help protect the screen from minor scratches.
- Never clean your device with it powered on. Use a soft, lint-free cloth to wipe the screen and the exterior of your device.
- Do not use paper towels to clean the screen.
- Never attempt to disassemble, repair or make any modifications to your device. Disassembly, modification or any attempt at repair could cause damage to your device and even bodily injury or property damage and will void any warranty.

- Keep your device and its accessories out of the reach of small children or animals.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as your device, its parts or accessories.
- To discourage theft, do not leave the device and accessories in plain view in an unattended vehicle.
- Do not leave the device and its accessories in a vehicle in direct sunlight. Overheating may damage the device.
- The device (excluding accessories) is protected against splashes, water and dust. When tested under controlled laboratory conditions, the device is compliant with the IP67 rating of the IEC 60529 standard. The manufacturer guarantees this grade provided all jack covers are properly and securely closed. Immersion in water or water-pressure such as washing the unit with running water may cause damage to the unit and voids warranty. Normal wear might decrease resistance. The device should not be operated in water.

Regulatory Information

For regulatory identification purposes, the product is assigned a model number of N672A & N672B.

Marking labels located on the exterior of your device indicate the regulations that your model complies with. Please check the marking labels on your device and refer to the corresponding statements in this chapter. Some notices apply to specific models only.

Maximum radio frequency (RF) power for Europe:

- WLAN 2.4 GHz: 20 dBm
- WLAN 5 GHz: 20 dBm
- Bluetooth: 10 dBm
- WWAN: 23 dBm

FCC



Federal Communication Commission Interference Statement

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.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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.

Please note: The use of a non-shielded interface cable with this equipment is prohibited.

USA Contact Information

Magellan

279 E Arrow Highway San Dimas, CA 91773 USA

+1 909-394-5000

<http://www.magellangps.com>

CE



Products with the CE marking comply with Radio Equipment Directive (Directive 2014/53/EU) - issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Standards:

- EN301489-1: Electronic compatibility and Radio spectrum Matters (ERM), ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements
- EN301489-17: ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
- EN301489-19: ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 19: Specific conditions for Receive Only Mobile Earth Stations (ROMES) operating in the 1,5 GHz band providing positioning, navigation, and timing data; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
- EN301489-3: Electronic compatibility and Radio spectrum Matters (ERM), ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz
- EN301489-52: ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 52: Specific conditions for Cellular Communication Mobile and portable (UE) radio and ancillary equipment; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
- EN301511 V12.5.1
- EN301908-1 v11.1.1: WCDMA/LTE 1, 3, 7, 8, 20, 28, 38, 40
- EN301908-2 v11.1.2: WCDMA band 1, 8
- EN301908-13 v11.1.2: LTE band 1, 3, 7, 8, 20, 28, 38, 40
- EN55032: Electromagnetic compatibility of multimedia equipment-Emission requirements
- EN55035: Immunity characteristics
- EN6100-3-2: Limits for harmonic current emissions
- EN6100-3-3: Limitation of voltage fluctuation and flicker in low-voltage
- EN300328: BT/WLAN 2.4GHz
- EN300328 v2.1.1: BT
- EN300330: RFID/NFC
- EN300440 v2.1.1: WIFI 5G Band 4
- EN301893: WLAN 5GHz
- EN301893 v2.1.1: DFS(ac)
- EN303413 v1.1.1: GPS Rx
- EN50566: 2G/3G/LTE, Body SAR
- EN50566: 802.11ac/a/b/g/n, Body SAR
- EN62479: Low power description
- EN50364: NFC 13.56MHz
- IEC 62368-1:2014 (Second Edition)(EN 62368-1:2014/A11:2017): Safety requirements

Restrictions or Requirements in the UK: This device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

| | | | | | | | |
|------------------------------------------------------------------------------------|----|----|----|----|----|----|--------|
|  | AT | BE | BG | HR | CY | CZ | DK |
| | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL |
| | PT | RO | SK | SI | ES | SE | UK(NI) |
| | IS | LI | NO | CH | TR | | |

 The DoC letter will be added to the end of the manual.

RF Exposure Information (SAR)

This device has been tested and meets applicable limits for Radio Frequency (RF) exposure. Specific Absorption Rate (SAR) refers to the rate at which the body absorbs RF energy. SAR limits are 1.6 Watts per kilogram (over a volume containing a mass of 1 gram of tissue) in countries that follow the United States FCC limit and 2.0 W/kg (averaged over 10 grams of tissue) in countries that follow the Council of the European Union limit. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. To reduce exposure to RF energy, use a hands-free accessory or other similar option to keep this device away from your head and body. Carry this device at least 10 mm away from your body to ensure exposure levels remain at or below the as-tested levels. Choose the belt clips, holsters, or other similar body-worn accessories which do not contain metallic components to support operation in this manner. Cases with metal parts may change the RF performance of the device, including its compliance with RF exposure guidelines, in a manner that has not been tested or certified, and use such accessories should be avoided.

WEEE



This symbol means that according to local laws and regulations your product and/or its battery shall be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. Proper recycling of your product will protect human health and the environment.

Bluetooth



DID: D046978

Safety Precautions

When using the device, note that the ambient temperature should be below 45°C (113°F).



To prevent possible hearing damage, do not listen at high volume levels for long periods of time.



LASER LIGHT - DO NOT STARE INTO BEAM

RAYONNEMENT LASER NE PAS REGARDER DANS LE FAISCEAU.

■ About Charging

- Use only the charger supplied with your device. Use of another type of charger will result in malfunction and/or danger.
- This product is intended to be supplied by a LISTED Power Unit marked with "LPS", "Limited Power Source" and output rated + 12 V dc / 2.0 A.
- Use a specified battery in the equipment.

■ About the Charger

- Do not use the charger in a high moisture environment. Never touch the charger when your hands or feet are wet.
- Allow adequate ventilation around the charger when using it to operate the device or charge the battery. Do not cover the charger with paper or other objects that will reduce cooling. Do not use the charger while it is inside a carrying case.
- Connect the charger to a proper power source. The voltage requirements are found on the product case and/or packaging.
- Do not use the charger if the cord becomes damaged.
- Do not attempt to service the unit. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

■ About the Battery

- Use a specified battery in the equipment.
- CAUTION: This unit contains a Lithium Ion battery. The battery can burst or explode, releasing hazardous chemicals. To reduce the risk of fire or burns, do not disassemble, crush, puncture, or dispose of in fire or water.
- Important instructions (for service personnel only)
 - Caution: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
 - Replace only with the same or equivalent type recommended by the manufacturer.
 - The battery must be recycled or disposed of properly.
 - Use the battery only in the specified equipment.