



Cat[®] S48c Smartphone
User Manual

PLEASE READ BEFORE FIRST USE

SAFETY PRECAUTIONS

- Please read this manual and the recommended safety precautions carefully to ensure the correct use of this device.
- Despite its rugged nature, avoid intentionally hitting, throwing, crushing, puncturing or bending the device.
- If used in salt water, rinse the device in fresh water afterwards to avoid salt corrosion.
- Do not attempt to disassemble the device or its accessories. Only authorized personnel can service or repair it.
- Do not switch on the device in a circumstance where the use of mobile phones is prohibited, or in a situation where the device may cause interference or danger.
- Do not use the device while driving.
- Switch off the device near medical apparatus and follow the rules or regulations regarding mobile phone use in hospitals and health care facilities.
- Switch off the device or activate airplane mode when situated in an aircraft, as it may cause interference to the aircraft's control equipment.
- Switch off the device near high-precision electronic devices as it may affect their performance.
- Do not place the device or its accessories in containers with a strong electromagnetic field.
- Do not put magnetic storage media near the device as it may be damaged or erased.
- Do not use the device in an environment with flammable gases or vapors, such as a gas station, or put the device in a high- temperature place.
- Keep the device and its accessories away from young children.
- Do not allow children to use the device without guidance.
- Use only approved accessories, including the charger, to avoid the risk of unit damage and fire.
- Observe any laws or regulations on the use of wireless devices. Respect others' privacy and legal rights when using the wireless device.
- For medical implant patients (heart, joints etc) keep the device 6 inches away from the implant and, during a phone call, keep the device positioned on the opposite side of the implant.
- Strictly follow the relevant instructions of this manual while using the USB power cable, otherwise it may cause damage to your device or PC.

LEGAL NOTICE

All Rights Reserved. CAT, CATERPILLAR, their respective logos, "Caterpillar Yellow," the "Power Edge" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

www.cat.com/www.caterpillar.com

Bullitt Mobile Ltd is a licensee of Caterpillar Inc.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Caterpillar Inc.

The product described in this manual may include copyrighted software. Customers shall not in any manner reproduce, distribute, modify, decompile, disassemble, decrypt, extract, reverse engineer, lease, assign, or sublicense the said software or hardware, unless such restrictions are prohibited by applicable laws or such actions are approved by respective copyright holders under licenses.

The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG Inc. and any use of such marks by Bullitt Group is under license.

Wi-Fi® is a registered trademark of Wi-Fi Alliance®.

Google, Android, Google Play, and other marks are trademarks of Google LLC.

All other third-party trademarks and trade names, including the Bullitt trademark, are those of their respective owners.

NOTICE

Some features of the product and its accessories described herein rely on the software installed, capacities and settings of local network, and may not be activated or may be limited by local network operators or network service providers. Therefore, the descriptions in this manual may not exactly match the purchased product or its accessories.

The manufacturer reserves the right to change or modify any information or specifications contained in this manual without prior notice or obligation.

The manufacturer is not responsible for the legitimacy and quality of any products that you upload or download through this device including text, pictures, music, movies, and non-built-in software with copyright protection. Any consequences arising from the installation or usage of the preceding products on this device is accountable to you.

The contents of this manual are provided "as is". Except as required by applicable laws, no warranties of any kind, either express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose, are made in relation to the accuracy, reliability or contents of this manual.

To the maximum extent permitted by applicable law, in no case shall the manufacturer be liable for any special, incidental, indirect, or consequential damages; or lost profits, business, revenue, data, goodwill or anticipated savings.

IMPORT AND EXPORT REGULATIONS

Customers shall comply with all applicable export or import laws and regulations. Customers must obtain all necessary governmental permits and licenses to export, re-export or import the product mentioned in this manual including the software and technical data.

CONTENTS

PLEASE READ BEFORE FIRST USE	
SAFETY PRECAUTIONS	2
LEGAL NOTICE	3
NOTICE	3
IMPORT AND EXPORT REGULATIONS	3
WELCOME TO THE CAT® S48C SMARTPHONE	6
RUGGED CREDENTIALS	6
WHAT'S IN THE BOX?	7
KEY FUNCTIONS	7
GETTING STARTED	8
INSTALLING A NANO SIM CARD	8
INSTALLING A MEMORY CARD	8
CHARGING THE BATTERY	8
IMPORTANT INFORMATION REGARDING FUTURE USE OF BATTERY	9
POWERING YOUR DEVICE ON/OFF	9
TOUCHSCREEN	10
HOME SCREEN	10
LOCKING AND UNLOCKING THE SCREEN	10
DISPLAY	10
NOTIFICATION PANEL	12
SHORTCUT ICONS	12
WIDGETS	12
FOLDERS	13
WALLPAPERS	13
TRANSFERRING MEDIA TO AND FROM YOUR DEVICE	13
MAKING A PHONE CALL	13
OTHER OPERATIONS DURING A CALL	14
CONTACTS	14
USING THE ON-SCREEN KEYBOARD	16
WI-FI®	16
SMS AND MMS	17

BLUETOOTH®	18
TAKING PHOTOS AND RECORDING VIDEOS	18
ENJOYING MUSIC	21
LISTENING TO FM RADIO	21
SYNCHRONIZING INFORMATION	21
USING OTHER APPS	22
MANAGING THE DEVICE	24
PERSONALIZING THE DISPLAY	24
SETTING DEVICE RINGTONE	25
CONFIGURING THE PROGRAMMABLE KEY	25
USING NFC	25
PROTECTING THE DEVICE	26
MANAGING APPS	26
RESETTING THE DEVICE	26
VIEWING THE E-LABEL	26
APPENDIX	28
RF EXPOSURE INFORMATION (SAR)	31
DISPOSAL AND RECYCLING INFORMATION	31

WELCOME TO THE CAT[®] S48c SMARTPHONE

The truly rugged smartphone with ultra-tough features and a battery designed to last all day. Built to handle the extreme conditions you face every day at work and play. Drop it, dunk it, or forget to charge it - the Cat S48c will not let you down.

Your smartphone is not only water and dust resistant and certified to the highest industry standard for ruggedness, it boasts capabilities that reach beyond these tests. Drop-proof onto concrete from an impressive height of 6 feet, tough enough to handle thermal shocks and salt mist spray, waterproof for up to 35 minutes in depths of up to 4 feet - the Cat S48c will stay connected, no matter what life throws at it.

Its high capacity battery and expandable storage of up to 128GB guarantees that daily performance will not be compromised. Its large and bright, scratch-resistant 5.0" FHD display can be read in direct sunlight and can even be used when its wet or if you're wearing gloves. Plus, its easy-grip design features a multi-function programmable key - useful for Push to Talk (PTT), or to easily launch its torch or camera.

Register your new Cat phone to become part of the Cat phones community for the latest news, updates and offers. Tap the Registration app and follow the on screen instructions.

RUGGED CREDENTIALS

DROPPING YOUR DEVICE:

- Do: Use your device up to a height of 6 feet – it is drop proof within this height range.
- Don't: Throw your device with force from above the 6 feet range. The device is durable, but not indestructible.

WATERPROOFING:

- Do: Use your device in damp and wet conditions - the 5.0" multi-touch screen works with wet fingers. Ensure that all components and covers are properly closed before using your device in water. The device can withstand a depth of 4 feet for up to 35 minutes.
- Don't: Forget to close your device's components and covers before using it in water, or attempt to use the device beyond a 4 feet depth.

DUSTPROOF AND SCRATCHPROOF:

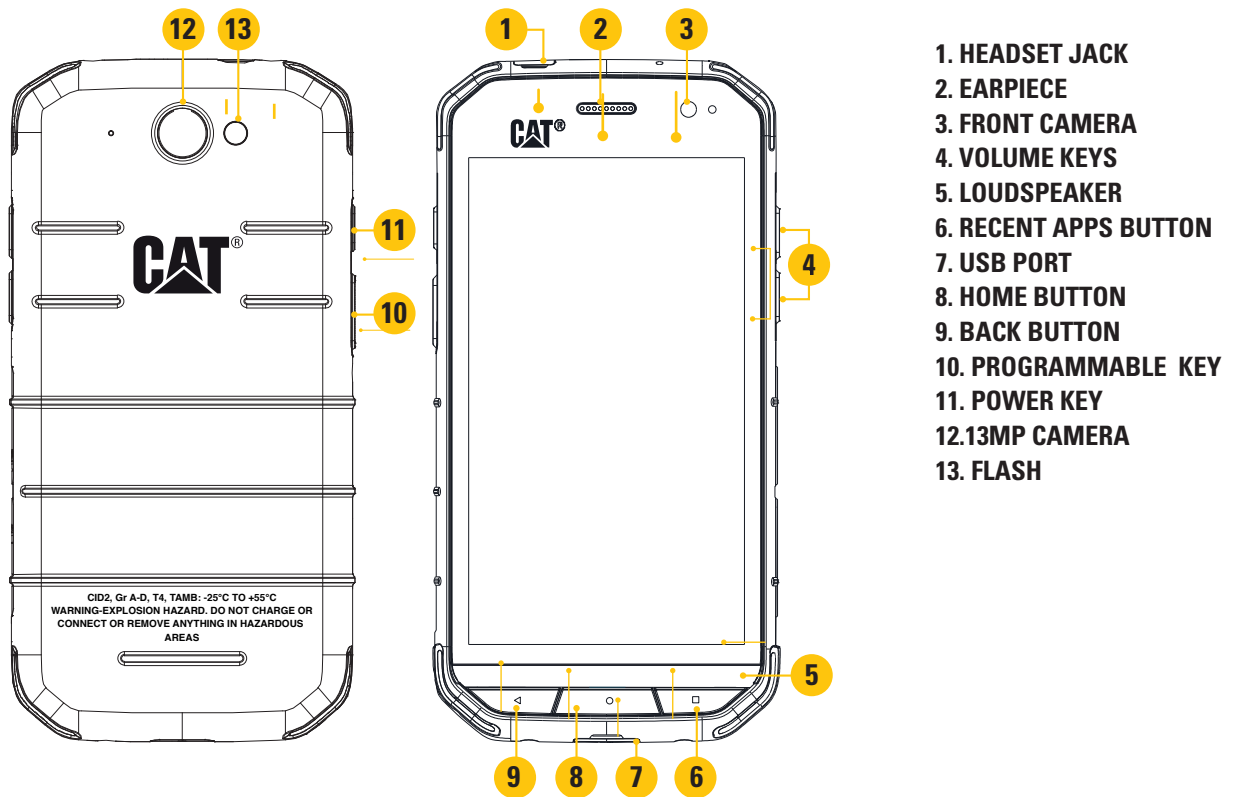
- Do: Use your device in dirty, dusty environments. The Cat S48c is certified IP68, an industry standard measure for durability and its display is made from scratch-resistant Corning® Gorilla® Glass 5.

EXTREME TEMPERATURES:

- Do: Use your device within the temperature range of -13° F (-25° C) to + 131° F (55° C). It can also handle extreme changes in temperature: shifting between cold and hot, or vice versa very quickly.
- Don't: Use your device outside its operational range of -13° F (-25° C) to + 131° F (55° C). It is not built for a freezer or an oven.

WHAT'S IN THE BOX?

- Device with pre-installed screen protector
- Quick Start Guide & Warranty information
- USB power cable and power adapter



KEY FUNCTIONS

POWER KEY

- Press and hold to turn on the device
- Press and hold to open the **Power off** options when the device is on.
- Press to lock or wake the screen when the device is idle

HOME BUTTON

- Press at any time, when the phone is on and unlocked, to display the **Home Screen**
- Hold down the Home button to use your **Google™ Assistant**
- Press twice to wake the screen when the device is idle

RECENT APPS BUTTON

- Press at any time to open recently used apps

BACK BUTTON

- Press to go back to the previous screen
- Press to close the on-screen keyboard

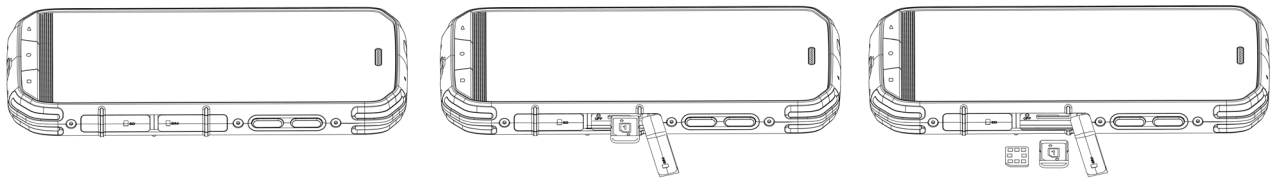
VOLUME UP/DOWN KEY

- Volume – Press the **Volume up** key to increase the volume, or the **Volume down** key to decrease the volume of a call, ringtone, media or alarm
- Screenshot – Press both **Power** and **Volume down** keys simultaneously. Screenshots are saved in the photo album
- Camera - In the **Camera** app, press the **Volume up** key to take a photo or start/stop recording a video. Press the **Volume down** key to switch between photo and video. Press and hold the **Volume down** key to switch between the front and rear cameras

GETTING STARTED

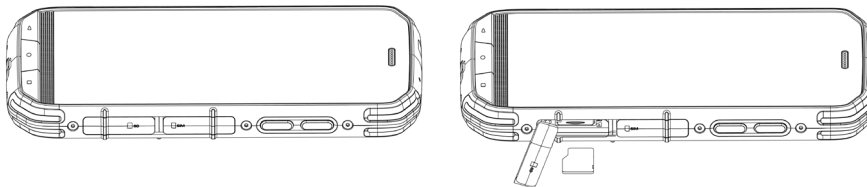
INSTALLING A NANO SIM CARD

1. Place your device on a flat surface with the display facing upwards and open the SIM protective cover.
2. Use your fingertip to pull out the SIM tray.
3. Put the Nano SIM card in the SIM tray as indicated on the tray guide with gold pins facing upwards.
4. Insert the SIM tray back into the SIM card slot and ensure the SIM protective cover is completely closed.



INSTALLING A MEMORY CARD

1. Place your device on a flat surface with the display facing upwards and open the SD protective cover.
2. Insert a microSD™ card into the memory card slot with gold pins facing upwards (the white device ID label preinstalled in this space remains. Place the microSD™ card on top of the white label.)



NOTE:

- Push the memory card until you hear a locking sound.
- To remove the microSD card, open the SD protective cover, press against the edge of the memory card and remove it.
- Do not force the microSD card as this could damage the memory card or slot.
- Installation of a memory card is optional.

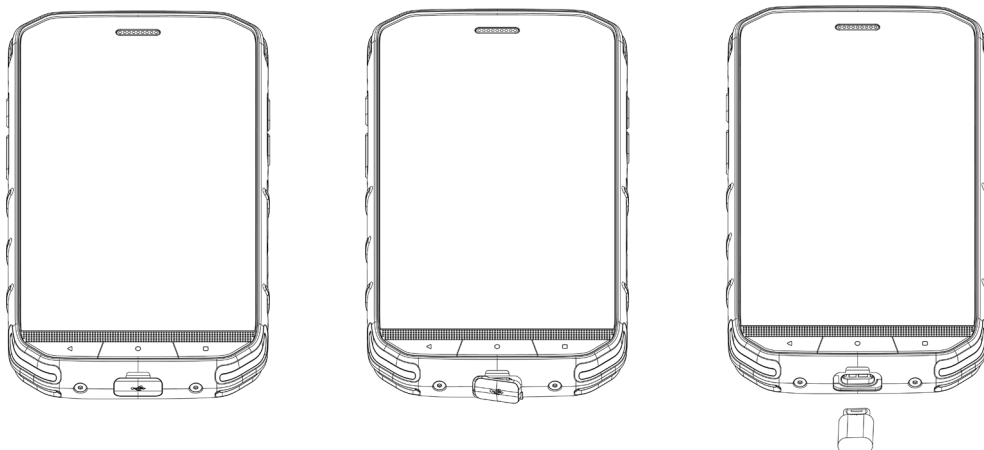
CHARGING THE BATTERY

The S48c battery cannot be removed from the device. Charge the battery to 100% before using your device for the first time.

1. Connect the USB power cable to the charging power adapter.
2. Open the USB port cover and insert the USB power cable to the USB port.

NOTE:

- Only use Cat approved chargers and cables. Unapproved equipment may cause damage to the device or cause batteries to become a fire hazard.



NOTE:

- Be careful not to use excessive force when connecting the USB cable and be aware of the correct orientation of the plug.
 - Attempting to insert the connector incorrectly may cause damage that will not be covered by the warranty.
1. Plug the charger into the appropriate wall outlet.
 2. When your device is fully charged, firstly unplug the USB cable from the device, then unplug the charger from the wall outlet. Completely close the USB port cover on the device after charging

IMPORTANT INFORMATION REGARDING FUTURE USE OF BATTERY

If the battery is completely exhausted, your device may not power on immediately after charging starts. Before attempting to turn it on, allow the battery to charge for a few minutes. The on-screen charge animation may not be displayed during this period.

When the battery power level is low, your device plays an alert and displays a prompt. When the battery power is almost exhausted, your device will power off automatically.

NOTE:

The time required to charge the battery depends on the environmental temperature and the age of the battery.

POWERING YOUR DEVICE ON/OFF

POWER ON

- Press and hold the **Power** key.

When you turn on your device for the first time, a Welcome Screen will be displayed. Firstly, select your preferred language and then tap **GET STARTED** to continue with the set-up process.

NOTE:

- A Wi-Fi or Data connection is required.

You can skip set-up and complete it at another time. However, a Google account is required to use some of the Google services on this Android™ device.

POWERING OFF

1. Press and hold the **Power** key to open the **Power off** options menu.
2. Tap **Power off**.

TOUCHSCREEN

TOUCHSCREEN ACTIONS

- **Tap:** Use your fingertip to select an item, confirm a selection or start an app on the screen.
- **Tap and hold:** Tap an item with your fingertip and continue to press down until the screen responds. For example, to open the options menu for the active screen, tap the screen and hold down until the menu appears.
- **Swipe:** Move your finger across the screen either vertically or horizontally. For example, swipe left or right to switch between pictures.
- **Drag:** If you want to move an item, tap and hold it with your fingertip then drag it to any part of the screen.

HOME SCREEN

The Home Screen is the starting point for accessing your device's features. It displays app icons, widgets, shortcuts and more. It can be customized with different wallpapers and can be adjusted to display your preferred items.

NOTE:

- Tap and hold an empty space on the Home Screen to launch the shortcut to wallpapers, widgets and Home settings.

LOCKING AND UNLOCKING THE SCREEN

LOCKING THE SCREEN

1. If your device is turned on, press the **Power** key to lock the screen. You can still receive messages and calls if the screen is locked.

UNLOCKING THE SCREEN

1. Press the **Power** key to wake up the screen. Then, drag the padlock icon  upwards to unlock the screen. You may have to enter your pattern or PIN code if pre-set.
2. To launch the **Camera** app directly from the locked screen, drag the camera icon upwards .
3. To use the **Google Voice Search** function directly from the locked screen, drag the voice search icon  upwards.

DISPLAY

DISPLAY LAYOUT

NOTIFICATIONS AND STATUS INFORMATION

The **Status Bar** appears at the top of every screen. This displays notification icons, such as missed calls or received messages (on the left) and phone status icons, such as battery status (on the right), in addition to the current time.

STATUS ICONS



Notifications icon

Status icons

NOTIFICATIONS ICONS

4G	Connected to 4G mobile network		Vibrate mode
LTE	Connected to LTE mobile network		Location is found
3G	Connected to 3G mobile network		Battery indicator, battery is full
G	Connected to GPRS mobile network		Battery is charging
E	Connected to EDGE mobile network		FM radio is turned on
H	Connected to HSDPA mobile network		Airplane mode
H+	Connected to HSPA+ mobile network		Connected to a Wi-Fi network
R	Roaming		Connected to a Bluetooth device
	Mobile network signal strength		Wi-Fi uploading
	NFC enabled		Wi-Fi downloading

	New email message		Missed call
	New text message		Speakerphone is activated
	Upcoming event		Phone microphone is muted
	Alarm is set		Downloading data
	Data is syncing		Headphones are connected
	Problem with sign-in or sync		A screenshot is captured

NOTIFICATION PANEL

Your device will launch a notification when you receive a new message, miss a call, have an upcoming event and more. Open the notification panel to view your notifications.

OPENING THE NOTIFICATION PANEL

1. When a new notification icon appears, tap the notification bar, then drag it down to open the notification panel.
2. Tap a notification to open it.
3. If you want to close a notification (without viewing it), simply tap and hold the notification and drag it to the left/right of the screen.

CLOSING THE NOTIFICATION PANEL

1. To close the notification panel, slide the bottom of the panel upwards.

SHORTCUT ICONS

ADDING A NEW HOME SCREEN ITEM

1. Tap the upward arrow icon  to show all apps.
2. Drag an app icon to a specific Home Screen panel.

MOVING A HOME SCREEN ITEM

1. Tap and hold an app icon on the Home Screen until the icon enlarges.
2. Without lifting your finger, drag the icon to the desired position on the screen, then release it.

NOTE:

- There must be enough space for the icon to fit on a Home Screen panel.

REMOVING AN APP ICON FROM THE HOME SCREEN

1. Tap and hold an app icon on the Home Screen until the App info bubble displays.
2. Without lifting your finger, drag the item upwards to **Remove**, then release.
3. To uninstall an app, follow steps 1 and 2, then drag the icon to **Uninstall** at the top of the screen.

NOTE:

- Some apps that came with the phone cannot be uninstalled.

WIDGETS

A widget lets you preview or use an app. Widgets can be placed on your Home Screen as icons or preview windows. Several widgets are installed by default on your device and you can download additional widgets from **Google Play Store**.

ADDING A WIDGET

1. Tap and hold the Home Screen.
2. Tap **Widgets**  to show available widgets.
3. Drag your chosen widget to the Home Screen

REMOVING A WIDGET

1. Tap and hold the widget you would like to remove on the Home Screen until it enlarges.
2. Without lifting your finger, drag the item to **Remove** at the top of the screen, then release.

FOLDERS

CREATING A FOLDER

Drag the app icon or shortcut and release it on top of other apps.

RENAMING A FOLDER

1. Tap a folder to open it.
2. Tap on current name of folder.
3. Enter a name for the new folder in the title bar.
4. Tap  to complete.

WALLPAPERS

CHANGING YOUR WALLPAPER

1. Tap and hold the Home Screen.
2. Tap **Wallpapers**.
3. Scroll through the available options.
4. Tap your favorite image, then choose **Set Wallpaper**.
5. You can now choose whether to set it as the Lock Screen wallpaper, Home Screen wallpaper or both.

TRANSFERRING MEDIA TO AND FROM YOUR DEVICE

Transfer your favorite music and pictures between your device and PC in the Media Device MTP mode.

1. Transfer your favorite music and pictures between your device and PC in the Media Device MTP mode.
2. First, connect your device to a PC with the USB power cable.
3. Open the notification panel and select the USB connection options. Tap **Transfer files** to activate the MTP mode.
4. Your device should be displayed as a removable device displaying the phone's internal storage. If a memory card is inserted, the microSD card will also be visible. Copy your chosen files onto the device.

NOTE:

- If you are using a MAC PC, the drivers must be downloaded from: <http://www.android.com/filetransfer/>

MAKING A PHONE CALL

There are many ways to place a phone call.

1. Dial a number into the keypad.
2. Or, select a number from your contacts list, a web page or document that contains a phone number.

NOTE:

- When you're on a phone call, incoming calls can either be answered or sent to your voicemail. You can also set up conference calls with several participants.

MAKING A CALL WITH THE KEYPAD

1. From the Home Screen, tap the **Phone** icon . Then tap the Keypad icon  to display the keypad.
2. Dial a phone number by tapping the numeric keys.

Tip: Your device supports the SmartDial function. As you type a number into the keypad, the SmartDial function automatically searches through your contact list and lists predictions for a contact that matches the number. You can close the keypad to view more possible matches.

3. Tap the Dialer icon to start the call. After you enter the number, or select the contact, tap the **Contacts** icon .

MAKING A CALL FROM CONTACTS

1. From the Home Screen, tap the upwards arrow icon  > **Contacts** icon  to display the contact list. From the Phone app, tap the Contacts tab  to see the contact list.
2. In the list, select a contact.
3. Tap the phone number to call the contact.

MAKING A CALL FROM THE CALL LOG

1. Tap the upward arrow icon  > **Phone** icon  > and Recent Call tab . The Call Log displays the latest calls you have made and received.
2. Select a contact from the list and tap the Phone icon  to make a call.

ANSWERING OR REJECTING A CALL

When you receive a phone call, the incoming call screen will show the caller ID.

- To answer a call, tap the blue phone icon  and drag it up to the green phone icon .
- To reject the call, tap the blue phone icon  and drag it to down to the red phone icon .
- To reject the call and send a text message directly to the caller, drag  upwards. Then tap one of the available template message options, or tap **Write Your Own** to compose a personal message.

ENDING A PHONE CALL

During a phone call, tap the red phone icon  to hang up.

OTHER OPERATIONS DURING A CALL

MAKING A CONFERENCE CALL

In the conference calling feature, you can set up a call with multiple participants.

1. To initiate a conference call, dial the number of the first participant and tap the blue phone icon  to make the call.
2. During your call with the first participant, tap > **Add call** and enter the phone number of the next participant.
3. Tap the blue phone icon , or select a contact from the **Call Log** or **Contacts**. The first call will be automatically placed on hold.
4. Once the additional call has been connected, tap the **Merge calls** icon .
5. To add more people, tap the add caller icon  and repeat steps 2 to 4.
6. To end the conference call and disconnect everyone, tap the red phone icon .

NOTE:

- Remember to contact your network operator to find out whether your subscription supports conference calls and how many participants you can add.

SWITCHING BETWEEN CALLS

If you receive an incoming call during a current phone call, it is possible to switch between the two calls.

1. When both calls are in progress, tap the contact's name or phone number in the lower left corner of the screen.
2. Your current call will be placed on hold and you will be connected to the other call.

CONTACTS

The **Contacts** app lets you save and manage information about your contacts.

OPENING THE CONTACTS APP

When you set up the device, **Contacts** will display a message outlining how to start adding contacts. To open the app, do one of the following:

- Tap the upward arrow icon  and then **Contacts** icon .
- Tap the **Phone** icon  on the Home screen. Select the contacts tab  to display your contact list.

NOTE:

- Your contacts will be displayed alphabetically in a scrolling list.

IMPORTING CONTACTS

You can copy your contacts from the SIM card, internal storage or memory card.

To import contacts from the SIM card:

- Tap the upward arrow icon  and then **Contacts** icon .
- In the contacts list, tap the menu icon  **Settings** > **Import**.
- Tap SIM card and follow the prompts.

To import contacts from the internal storage or memory card (.vcf file import):

- Tap the upward arrow icon  and then **Contacts** icon .
- In the contacts list, tap the menu icon  **Settings** > **Import**.
- Tap **.vcf file** and follow the prompts.

BACKING UP CONTACTS

You can copy your contacts onto to your SIM card, the device's internal storage, or a memory card.

1. In the contacts list, tap the menu icon  > **Export**.
2. Now, do one of the following:
 - a) Tap **Share all contacts**. Tap the notification in the notification bar > select app to share the file and follow the prompts.
 - b) Tap **Export to .vcf file**. Tap the menu icon  > select the location where to save the file and tap **SAVE**.

ADD A NEW CONTACT

1. In your contacts list, tap the plus icon  to add a new contact.
2. Enter the contact's name and add any detailed information such as a phone number or address.
3. When you're finished, tap **SAVE**.

ADDING A CONTACT TO FAVORITES

1. Tap the contact you want to add to Favorites.
2. Tap the outlined star icon  in the upper right corner of the contact image, when the icon turns white (solid)  the contact has been added to your favorites.

SEARCHING FOR A CONTACT

1. In your Contacts list, tap the search icon  to search for a contact.

2. Start typing the contact's name. Contacts with matching names will appear below the search box.

EDITING A CONTACT

You can always change the information you have stored for a contact.

1. In your contacts list, select the contact you want to edit.
2. Tap the edit icon .
3. Make your changes to the contact information, then tap **SAVE**. To cancel the changes you have made, press the **X** or **Back** button and tap **DISCARD**.

COMMUNICATING WITH YOUR CONTACTS

You can reach a contact by phone call, text (SMS) or multimedia message (MMS) from the **Contacts** or Favorites tab.

1. In your contacts list, tap a contact to communicate with.
2. You can either:
 - Tap the phone number to make a call.
 - Or, tap the **Messages** icon  to send message.

DELETING A CONTACT

1. In your contacts list, tap the contact you want to delete.
2. Tap the three vertical dots icon  > **Delete**.
3. Tap **Delete** again to confirm.

USING THE ON-SCREEN KEYBOARD

DISPLAYING THE KEYBOARD PANEL

Some apps open the keyboard automatically. In others, tap a text field to open the keyboard. Press the **Back** button to hide the keyboard.

USING THE LANDSCAPE KEYBOARD

If you find it difficult to use the keyboard in portrait orientation, simply turn the device sideways. The screen will now display the keyboard in landscape orientation, providing you with a wider keyboard layout.

CUSTOMIZING YOUR KEYBOARD SETTINGS

1. Tap the upward arrow icon  > **Settings**  > **System** > **Languages & Input**.
2. You can either:
 - Tap **Virtual keyboard** to configure the keyboard settings.
 - Or, tap **Physical keyboard** to keep the virtual keyboard on screen when a physical keyboard is active. This mode will also show available keyboard shortcuts.

WI-FI®

Access to wireless access points (hotspots) is required to use Wi-Fi on your device.

TURNING ON WI-FI AND CONNECTING TO A WIRELESS NETWORK

1. Tap the upward arrow icon  > **Settings** .
2. In Network & Internet, tap **Wi-Fi** and slide the switch to the right . Choose a Wi-Fi network to connect to.
3. If you select an open network, the device will connect automatically. But if you're attempting to connect to a secured

network for the first time, you must enter the password, then tap **Connect**.

NOTE:

- You will not have to re-enter the password for a secured network if you have connected to it before, unless the device has been reset to its default settings or if the Wi-Fi password has been changed.
- Obstacles blocking the Wi-Fi signal will reduce its strength.

Tip: On the Wi-Fi settings screen, tap **Add network** to add a new Wi-Fi network.

SMS AND MMS

OPENING MESSAGING

To open the app, do one of the following:

- Tap the **Messages** icon  on the Home Screen.
- Tap the upward arrow icon  > **Messages** .

CREATING AND SENDING A TEXT MESSAGE

You can create a new text message, or open an ongoing message thread.

1. Tap the **Messages** icon  to create a new text or multimedia message.
2. Enter a phone number or a contact name into the **Type name or number** field. When you type, SmartDial will attempt to match it with the device's contacts. Either tap a suggested recipient or continue to type. If you want to open an existing message thread, simply tap it.
3. Tap the text box to compose your message. If you press the **Back** button while composing a message, it will save as a draft in the message list. Tap the message to resume.
4. When your message is ready to send, tap the send icon .

NOTE:

- As you view and send additional messages, a message thread is created.

CREATING AND SENDING A MULTIMEDIA MESSAGE

1. On the messaging screen, tap the **Messages** icon .
2. Enter a phone number or contact name into the **Type name or number** field.
3. Tap the text box to compose a message.
4. Tap the attachment icon  and select the type of media file you want to attach to the message.
5. Enter a subject. Your device is now in multimedia message mode.
6. Once you're done, tap the send icon .

OPENING AND REPLYING TO A MESSAGE

1. In the message list, tap a text or multimedia message thread to open it.
2. Tap the text box to compose a message.
3. Once finished, tap the send icon .

CUSTOMIZING THE MESSAGE SETTINGS

In the message list, tap the three vertical dots icon  > **Settings** to customize your message settings. Choose from:

- **Notifications** > **Sound**: To set a notification sound for new messages.
- **Notifications** > **Vibrate**: Slide the switch to the right to enable your device to vibrate when receiving new messages.

- **Vibrate:** Slide the switch to the right to make the device vibrate for new messages.
- **On the lock screen:** Choose which notifications pop up on the screen.
- **Show notification dot:** Choose whether to see a notification dot next to the app.
- **Override 'Do not disturb':** This will switch on notifications when the phone is set to Do not disturb and set to Priority only.
- **Advanced Group notification message:** Enable this option to automatically combine notification into one group.

BLUETOOTH®

Your Cat S48c has Bluetooth. It can create a wireless connection with other Bluetooth devices, so you can share files with your friends, talk hands-free with a Bluetooth headset, or even transfer photos from your device to a PC.

If you are using Bluetooth, remember to stay within 100 feet of the Bluetooth device you want to connect to. Be aware that obstacles like walls or other electronic equipment may interfere with the Bluetooth connection.

TURNING ON BLUETOOTH

1. Tap the upward arrow icon  > **Settings** .
2. In **Connected devices**, tap **Bluetooth** and slide the switch to the right .

When **Bluetooth** is on, the Bluetooth icon will appear in the notification bar.

PAIRING AND CONNECTING A BLUETOOTH DEVICE

Common uses for Bluetooth are:

- Using a hands-free Bluetooth device.
- Using a mono or stereo Bluetooth headset.
- Remotely controlling what plays through the Bluetooth headset.

Before you use Bluetooth, you need to pair your device with another Bluetooth device as follows:

1. Ensure that the Bluetooth function on your device is enabled.
2. The Cat S48c will then search for Bluetooth devices in range.
3. Tap the device you want to pair with.
4. Follow the on-screen instructions to complete the connection.

NOTE:

- Once a pairing has been created, you will no longer have to enter a password if you connect to that Bluetooth device again.

SENDING FILES VIA BLUETOOTH

You can share pictures, videos or music files with family and friends via Bluetooth:

1. Tap the file you want to send.
2. Tap the share options icon  > **Bluetooth**, and then select a paired device.

DISCONNECTING OR UNPAIRING A BLUETOOTH DEVICE

1. Tap the upward arrow icon  > **Settings** .
2. In **Connected devices**, tap **Bluetooth**.
3. In the Paired device option, tap **Settings**  and then tap **Forget** to confirm the disconnection.

TAKING PHOTOS AND RECORDING VIDEOS

You can use your CAT S48c to shoot and share pictures and videos.

OPENING YOUR CAMERA

To open the app, do one of the following:

- Tap the **Camera** icon  on the Home Screen.
- Tap the upward arrow icon  > **Camera** .
- Press the Power key twice quickly to open into non-underwater camera mode, or three times in quick succession to launch into underwater camera mode.

Press the **Back** or **Home** button to close the camera.

TAKING A PHOTO

1. Tap the upward arrow icon  > **Camera** .
- By default, it opens in Camera mode. If not, tap the icon in the bottom right of the screen, then .

NOTE:

- Tap  or press and hold the **Volume down** key to switch between the front and rear camera.
2. Compose your photo within the photo capture screen before capturing the image.
 - Tap the screen to focus on a specific area.
 - Pinch to zoom in/out of the subject.
 - Tap **Settings** to change the camera settings; Flash, count-down timer, GPS location tagging, white balance, ISO, and other image properties.
 3. Tap  to take a photo.

NOTE:

- In the **Camera** app, you can also take photos by pressing the **Volume up** key.

VIEWING PHOTOS

To view your photos, do one of the following:

- If you're in the Camera app, tap the thumbnail of the latest captured photo in the bottom left corner of the screen.

NOTE:

- To go back to camera view, press the **Back** key.
- Tap the upward arrow icon  > **Photos**  to view all photos and videos.

EDIT AND SHARE PHOTOS

As you browse through your photos, the following options will become available:

- **Share:** Tap the share options icon  to share your photos through various apps available on your device.
- **Edit:** Tap the edit icon  to edit your photos with a range of options available.
- **Delete:** Tap the delete icon  to delete the photos you don't want.
- **View Information:** Tap the **Google Lens** icon  to use Google Lens.
- Tap the  icon to view information.

SHOOTING A VIDEO

1. Tap the upward arrow icon  > **Camera** .
2. Tap the camera icon at the bottom right of the screen.
3. Tap the video icon .

NOTE:

- Tap the switch camera icon  to switch between the front and rear camera.
 - Tap the effects icon  to apply a background effect.
4. Tap the **Bullesye** to start recording.
 5. While recording, do one of the following:
 - Pinch to zoom in/out on the subject.
 - Tap the pause icon  to pause the recording. To resume, tap the play icon .
 - Tap the screen to take a photo.

- Tap the stop record icon  or **Volume up** key to stop recording.

VIEWING YOUR VIDEOS

To view a video after recording, tap the thumbnail of the latest recorded video at the bottom left of the screen. Then, tap the play icon  to play your video.

- Tap the upward arrow icon  > **Photos**  to view all photos and videos.

TAKING A PANORAMIC PHOTO

1. Tap the upward arrow icon  > **Camera** .
2. Enter the Modes menu by tapping the camera icon at the bottom right of the screen and select Panorama.
3. Tap the panoramic icon  to start taking the photo.
4. Choose the direction you want to capture. Then slowly move your device towards your desired direction.
5. When the shooting guide reaches the end point, the shooting will end. To manually stop taking the shot, tap the panoramic icon .

Tip: To cancel the shooting, simply tap the stop icon .

USING PHOTOS

The **Photos** app automatically searches for pictures and videos saved to your device or memory card. Select the album/folder and play as a slideshow, or select items to share with other apps.

OPENING PHOTOS

Tap the upward arrow icon  > **Photos**  to open the app. The **Google Photos** app categorizes pictures and videos by storage location and categorizes these files in albums. Tap an album to view your pictures or videos inside.

VIEWING A PHOTO

1. In **Photos**, tap an album to view the photos inside.
2. Tap the picture to view it in full-screen mode. When you view a picture in full-screen mode, flick the picture left or right to view the previous or next picture.
3. To zoom in on the image, pinch two fingers apart from each other at the location on the screen where you want to zoom in. In zoom mode, swipe your finger up or down, and left or right.

Tip: The picture viewer supports the automatic rotation function. When you rotate the device, the picture will adjust itself to the rotation.

CROPPING A PICTURE IN PHOTOS

1. When viewing the picture you want to crop, tap the edit icon  > the crop icon .
2. Then tap **Crop** and use the cropping tool to select the portion of the picture to crop.
 - Drag from the inside of the cropping tool to move it.
 - Drag an edge or a corner of the cropping tool to resize the image.
3. Tap **Done** > **Save** to save your cropped picture.
 - To discard the changes, tap the cross  > **Discard**.

TAKING AN UNDERWATER PHOTO

1. Tap  > **Camera** .
2. Tap , then tap  to switch to Underwater mode.

ENJOYING MUSIC

Music files can be transferred from a PC onto your Cat S48c so you can listen to music wherever you are.

COPYING MUSIC TO YOUR DEVICE

1. Connect your device to a computer with the USB power cable.
2. On the PC, navigate to the USB drive and open it.
3. Create a folder in the root directory of your device, (for example, **Music**).
4. Copy your music from the PC to the new folder.
5. To safely remove your device from the PC, wait until the music has finished copying, then eject the drive as required by your PC's operating system.

LISTENING TO FM RADIO

You can listen to FM radio stations in the FM Radio app.

TUNING THE FM RADIO

NOTE:

- The FM radio will not work without a corded headphone or headset inserted into the headphone jack. The cord of the headset works as the antenna.

Firstly, connect the headset to the audio jack before opening the app. Then tap the upward arrow icon  > **FM Radio** . Choose from the following options:

To manually tune to a frequency, tap the tuning arrow icons  .

- To scan the radio stations automatically, tap the three vertical dots icon  > **Scan**, and select your preferred topic from the list. As the stations are scanned, tap **STOP** to select a channel.
- To view all the available channels, tap the three vertical dots icon  > All Channels.
- To add the current radio station to the favorites bar at the bottom of the screen, tap and hold the plus icon +.
- To mute the FM radio, tap the speaker icon . Then tap the mute speaker icon  to resume.
- To enable the speaker, tap the headset icon . To disable the speaker, tap the disable speaker icon .
- To turn off the radio, tap the power off icon  or simply disconnect your headset.

RECORDING THE FM RADIO

To start recording the radio, you can either:

- Tap the green dot icon .
- Or, tap the three vertical dots icon  > **Start Recording**.

To stop recording the radio, you can either:

- Tap the red dot icon .
- Or, tap the three vertical dots icon  > **Stop Recording**.

SYNCHRONIZING INFORMATION

Some apps (for example, Gmail) on your Cat S48c provide access to the same information that you can add, view and edit on a PC. If you add, change or delete information in any of these apps on the PC, the updated information will also appear on your device.

This is made possible through over-the-air synchronization, however, the process will not interfere with the device. When your device is synchronizing, a data synchronization icon will be shown in the notification bar.

MANAGING ACCOUNTS

Contacts, email and other information on your device can be synchronized with multiple Google accounts or other accounts, depending on the apps you have installed.

For example, adding a personal Google account can ensure that your personal email, contacts and calendar entries are always available. You can also add a work account so that your work-related emails, contacts and calendar entries are kept separate.

ADDING AN ACCOUNT

1. Tap the upward arrow icon  > **Settings** .
2. Tap **User & accounts** > + **Add account**. The screen will display the synchronization settings and a list of your current accounts.

NOTE:

In some cases, account details may need to be obtained from your network administrator support. For example, you may need to know the account's domain or server address.

3. Tap the account type to add your account.
4. Follow the on-screen instructions to enter information about your account. Most accounts require a username and password, but the details depend on the kind of account and the configuration of the service it is connecting to.
5. When you are finished, your account will be added to the list in the **User & accounts** settings screen.

REMOVING AN ACCOUNT

Most accounts can be removed and all information associated with it removed from your device, including email, contacts and settings. Some accounts however, cannot be removed, such as the first account you signed into on your device. If you attempt to remove certain accounts, be aware that all the personal information associated with it will be deleted.

1. On the **User & accounts** settings screen, tap the account you want to delete.
2. Tap **Remove account**.
3. Tap **Remove account** again to confirm.

CUSTOMIZING ACCOUNT SYNCHRONIZATION

Background data use and synchronization options can be configured for all the apps on your device. You can also configure the kind of data synchronized for each account. Some apps, such as Contacts and Gmail, can synchronize data from multiple apps.

Synchronizing is bi-directional for some accounts and changes made to the information on your device are made to the copy of that information on the web. Some accounts support only one-way synchronization and the information on your device is read-only.

CHANGING AN ACCOUNT'S SYNCHRONIZATION SETTINGS

1. On the User & accounts settings screen, tap account to change its synchronization settings. The data and synchronization screen will open, displaying a list of information that the account can synchronize.
2. To enable certain items to sync, slide the respective data switch to the right . To disable the data from syncing automatically, slide the respective data switch to the left .

USING OTHER APPS

USING THE CALENDAR

Use Calendar to create and manage events, meetings and appointments. Depending on the synchronization settings, the calendar on the device remains synchronized with the calendar on the web.

OPENING THE CALENDAR

Tap the upward arrow icon  > **Calendar**  to open the app. Tap the menu icon  to display the various view and settings options.

CREATING AN EVENT

1. On any calendar view, tap the add event icon  > tap the date or time you wish to add an event.
2. Enter the event title, location or the contacts.
 - If there is a time frame for your event, tap the beginning and end date.
 - If it is a special occasion such as a birthday or a day-long event, slide the **All-day** switch to the right .
3. Set the time of the event reminder, invite people, set a color and add any notes or attachments.
4. After you have entered all the information for your event, tap **Save**.

SETTING AN EVENT REMINDER

1. On any calendar view, tap an event to view its details.
2. Tap the edit icon  to start editing the event.
3. Tap the reminder icon  to set a reminder for your event.

NOTE:

- Tap the X next to the notification to delete the reminder for your event.
4. Tap **Save** to save your modifications.

USING THE ALARM

You can set a new alarm or modify an existing alarm.

OPENING THE ALARM

Tap the upward arrow icon  > **Clock**  > alarm icon  to use your alarm.

ADDING AN ALARM

1. On the alarm list screen, tap the alarm icon  to add an alarm.
2. To set your alarm, do the following:
 - Set the hour and minutes by navigating around the dial and tap **OK**.
 - To set repeat mode, check the **Repeat** check box. Tap one or more options.
 - To set a ringtone, tap the ringtone icon  and select an option.
 - If you want your device to vibrate when the alarm sounds, check the **Vibrate** check box.
 - To add an alarm label, tap **Label**. Enter the label, then tap **OK**.

NOTE:

- By default, the alarm is automatically activated.

CALCULATOR

Your Cat S48c is equipped with a calculator that has both a standard and advanced mode.

OPENING THE CALCULATOR

- Tap the upward arrow icon  > **Calculator**  to open the app.
- Turn your device into landscape mode to access the advanced calculator mode.
- Ensure that **Auto-rotate** is enabled (see: Setting the display).

MANAGING THE DEVICE

To configure your device, tap the upward arrow icon  > **Settings** .

SETTING THE DATE AND TIME

When you first turn on your device, there is an option to update the date and time automatically, by using the time provided by your network.

NOTE:

- You cannot set the date, time and time zone manually if you are using the automatic option.
1. To manually adjust the date and time settings, do the following:
 2. On the **Settings** screen, tap **System** > **Date & time**.
 3. Set the **Automatic date & time** setting to **Off**.
 4. Slide the **Automatic time zone** switch to the left .
 5. Tap **Set date**. Then type the date and tap **OK** when the configuration is complete.
 6. Tap **Set time**. Tap the hour or minute field and navigate around the dial to set the time. Tap **OK** when the configuration is complete.
 7. Tap **Select time zone**, and then select your time zone from the list.
 8. Enable or disable the **Use 24-hour format** function to switch between 24-hour format and 12-hour format.

PERSONALIZING THE DISPLAY

ADJUSTING THE SCREEN BRIGHTNESS

1. On the **Settings** screen, tap **Display** > **Brightness level**.
2. Drag the slider left to make the screen darker, or right to make it brighter.
3. When you lift your finger off the slider, your settings will be saved automatically. Touch anywhere on the screen to exit.

NOTE:

- Keeping the display brightness at a high setting will use more power and discharge the battery sooner than settings at lower level.

ADAPTIVE BRIGHTNESS

To automatically fit your screen's brightness to the light around you, use **Adaptive brightness**. Tap the upward arrow icon  > **Settings**  > **Display**, then slide the **Adaptive brightness** switch to the right . You can adjust your brightness level while Adaptive brightness is on.

AUTO-ROTATE SCREEN

To enable your display to rotate when you turn your device between landscape and portrait, tap **Display** > **Advanced** > **Auto-rotate screen** then set switch to the right .

ADJUSTING THE TIME BEFORE THE SCREEN TURNS OFF

If your device is idle for a period, the screen will turn off to save battery power. You can set a longer or shorter idle time by doing the following:

1. On the **Settings** screen, tap **Display** > **Advanced** > **Sleep**.
2. Select the duration you want your screen to be illuminated for before it turns off.

USING THE GLOVE MODE

The capacitive touch screen can be optimised for use with gloves on. When glove mode is on the screen is more sensitive to respond to the touches made with gloves on. Switch mode off when not wearing gloves to avoid accidental activations.

TO ENABLE THE GLOVE MODE

1. On the **Settings** screen, tap **Display > Advanced > Glove Mode**.
2. Slide the Glove Mode switch to the right .

SETTING DEVICE RINGTONE

ADJUSTING THE RINGTONE VOLUME

You can adjust the ringtone volume from the Home Screen or from any app (except during a call or when you're playing music or watching videos). Press the **Volume up/down** key to adjust the ringtone volume to your desired level. The ringtone volume can also be adjusted on the **Settings** screen.

1. On the **Settings** screen, tap **Sound**.
2. In **Ring volume**, drag the slider to adjust the volume level.

CHANGING THE RINGTONE

1. On the **Settings** screen, tap **Sound**.
2. Tap **Phone ringtone**.
3. Select your desired ringtone. A preview of the ringtone will play when you select it.
4. Tap **OK**.

SETTING THE DEVICE TO VIBRATE FOR INCOMING CALLS

On the **Settings** screen, tap **Sound**, and slide the **Also vibrate for calls** switch to the right .

CONFIGURING THE PROGRAMMABLE KEY

You can assign the Programmable key to perform various essential and useful functions, in some circumstances while the screen is locked.

1. On the **Settings** screen, tap **Programmable key**.
2. Select an available function to assign to the key:
 - Push To Talk: Slide the PTT mode switch to the right .
3. Select the button pressing method:
 - Short press – multiple options including launch a Google search browser, the flashlight or manage incoming calls.
 - Long Press – multiple options including wake device, launch a Google search browser, the flashlight or manage incoming calls.

USING NFC

NFC allows the exchange of data between two NFC-enabled devices, when both devices are either touching or no more than a few centimetres apart.

ACTIVATING THE NFC FUNCTION

1. On the **Settings** screen, tap **Connected devices**.
2. Slide the **NFC** switch to the right .
3. The **Android™ Beam** function will also be enabled automatically.

BEAMING CONTENT VIA NFC

1. Enable the **NFC** and **Android Beam** functions.
2. Open the content to be shared (you can share web content, YouTube videos, contacts and much more)

3. Place the devices back-to-back, when prompted **Tap to beam**, tap your screen.

PROTECTING THE DEVICE

PROTECTING THE DEVICE WITH A SCREEN LOCK

To keep the data on your Cat S48c more secure you can use a screen lock method. On the **Settings** screen, tap **Security and location > Screen lock**

1. Select one of the available screen lock methods to unlock your device:
 - Swipe: Swipe the lock icon to unlock the screen.
 - Pattern: Trace the correct unlock pattern to unlock the screen.
 - PIN: Enter a PIN number to unlock the screen.
 - Password: Enter a password to unlock the screen.
2. Follow the on-screen instructions to complete your chosen screen lock method.

MANAGING APPS

REMOVING AN INSTALLED APP

1. On the **Settings** screen, tap **Apps and notifications**.
2. Tap an app, then tap **Uninstall > OK** to remove the app from your device.

NOTE:

- You may not be allowed to delete pre-installed apps.

RESETTING THE DEVICE

BACKING UP PERSONAL SETTINGS

Your personal settings can be backed up to Google servers with a Google account. If you replace your device, the backed-up settings will be transferred onto a new device the first time it is signed into from a Google account.

1. Tap **Settings > System** and tap **Backup**.
2. Slide the **Back up to Google Drive** (or other option shown) and slide switch to the right .

RESTORING FACTORY DATA

If you restore the factory data, your device will reset to the settings that were configured at the factory. All of your personal data from the internal device storage, including account information, the system and app settings, and any downloaded apps will be erased. Resetting your device does not erase any system software updates that have been downloaded or any files stored on a microSD card, such as music or photos.

1. On the **Settings** screen, tap **System > Reset options > Erase all data (factory reset)**.
2. When prompted, tap **Reset phone**, and then tap **Erase Everything**. Your device will reset its settings to the original factory settings, and then restart.

VIEWING THE E-LABEL

To view the regulatory information on this device, do the following:

1. From the Home Screen, tap the upward arrow icon  > **Settings** .

2. On the **Settings** screen, tap **About phone** > **Regulatory information**.



APPENDIX

WARNINGS AND PRECAUTIONS

This section contains important information relating to the operating instructions for this device. It also contains information about how to use the device safely. Read this information carefully before using the device.

WATERPROOF CASING

USB, SIM, SD and Headset jack covers must be securely in place, to ensure the device is waterproof.

ELECTRONIC DEVICE

Power off this device if you're in a situation where using the device is prohibited. Do not use your device if it could cause damage or interference with electronic devices.

MEDICAL DEVICE

Follow rules and regulations set forth by hospitals and health care facilities. Do not use this device when it is prohibited.

Pacemaker manufacturers recommend that a minimum distance of 6 inches be maintained between a device and a pacemaker to prevent potential interference with the pacemaker. If you have a pacemaker, use the device on the opposite side of the pacemaker and do not carry the device in your front pocket.

POTENTIALLY EXPLOSIVE ATMOSPHERE

Power off the device in any area with a potentially explosive atmosphere, and comply with all signs and instructions. Areas that may have potentially explosive atmospheres include the areas where it is advised to turn off a vehicle engine. Triggering of sparks in such areas could cause an explosion or a fire, resulting in bodily injuries or even death. Do not turn on the device at refuelling points such as service stations. Comply with restrictions on the use of radio equipment in fuel depots, storage, and distribution areas, and chemical plants. In addition, adhere to restrictions in areas where blasting operations are in progress. Before using your device, watch out for areas that have potentially explosive atmospheres that are often, but not always, clearly marked. Such locations include areas below the deck on boats, chemical transfer or storage facilities, and areas where the air contains chemicals or particles such as grain, dust, or metal powders. Ask the manufacturers of vehicles using liquefied petroleum gas (such as propane or butane) whether this device can be safely used in their vicinity.

BATTERY AND CHARGER

- Unplug the charger from the electrical plug and the device when not in use.
- The battery can be charged and discharged hundreds of times before it eventually wears out.
- Use the AC power supply defined in the specifications of the charger. An improper power voltage may cause a fire or a malfunction of the charger.
- If battery electrolyte leaks out, ensure that the electrolyte does not tap skin and eyes. If the electrolyte tapes skin or splashes into eyes, wash eyes with clean water immediately and consult a doctor.
- If there is a case of battery deformation, color change, or abnormal heating while charging, stop using the device immediately. Otherwise, it may lead to battery leakage, overheating, explosion or fire.
- If the USB power cable is damaged (for example, the cord is exposed or broken), or the plug loosens, stop using the cable at once. Otherwise, it may lead to an electric shock, a short circuit of the charger, or a fire.
- Do not dispose of this device in fire as it may explode. Batteries may also explode if damaged.
- Do not, modify or remanufacture the device; attempt to insert foreign objects into the device; immerse or expose the

device to water or other liquids; expose the device to fire, explosion or other hazards.

- Avoid dropping the device. If the device is dropped, especially on a hard surface, and you suspect damage, take it to a qualified service center for inspection. Improper use may result in a fire, explosion or other hazard. Contact CAT® phone support for repair assistance.
- Promptly dispose of used devices in accordance with local regulations.
- The device should only be connected to products that bear the USB-IF logo or have completed the USB-IF compliance program.
- When charging, ensure the charger is plugged into an AC mains plug that is in close proximity to the device. The charger must be easy to access.
- The USB power cable is considered as a separate device to the charging adapter.
- Output rating of charger 5V/3A ,9V/2A ,12V/1.5A.

CAUTION – RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

CLEANING AND MAINTENANCE

- The charger is not water-resistant. Keep it dry. Protect the charger from water or vapor. Do not touch the charger with wet hands, otherwise it may lead to a short circuit, a malfunction of the device and may cause you an electric shock.
- Do not place your device and charger in places where they can get damaged by impact. Otherwise it may lead to battery leakage, device malfunction, overheating, fire or explosion.
- Do not place magnetic storage media such as magnetic cards and floppy disks near the device.
- Radiation from the device may erase the information stored on them.
- Do not leave this device and charger in a place with an extreme high or low temperature. Otherwise, they may not function properly and may lead to a fire or an explosion. When the temperature is lower than 0°C, performance of the battery will be affected.
- Do not place sharp metal objects such as pins near the earpiece. The earpiece may attract these objects and hurt you.
- Before cleaning or maintaining this device, power it off and disconnect from the charger.
- Do not use any chemical detergent, powder, or other chemical agents (such as alcohol and benzene) to clean the device and the charger. Otherwise, parts of the device may be damaged or a fire can be caused. The device can be cleaned with a soft antistatic cloth.
- Do not dismantle the device or accessories. Otherwise the warranty on the device and accessories is invalid and the manufacturer is not liable to pay for the damage.
- If the device screen is broken by colliding with hard objects, do not touch or try to remove the broken part. In this case, stop using the device immediately, and contact an authorised service centre.

HEARING AID COMPATIBILITY (HAC)

REGULATIONS FOR WIRELESS DEVICES

This device has been tested and rated for use with hearing aids, with some of the wireless technologies that it uses. However, there may be newer wireless technologies used in the device that have not been tested yet for use with hearing

aids. It is important to try the different features on your device thoroughly and in different locations whilst using a hearing aid or cochlear implant to determine if there is any interfering noise. Consult your service provider or the device manufacturer for information on hearing aid compatibility. If you have any questions about return or exchange policies, consult your service provider or phone retailer.

- The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other hearing assistive devices.
- The wireless telephone industry has developed a rating system to assist hearing device users, reviewing the compatibility of mobile devices with hearing devices.
- The ratings are not guaranteed. Results will vary depending on the user's hearing device and hearing loss. If a user's hearing devices happens to be vulnerable to interference, the user may not be able to use a rated phone device successfully. Testing the mobile device with a hearing device is the best way to evaluate it if it suitable for a user's personal needs.
- The FCC has adopted HAC rules for digital wireless phones. These rules require certain devices 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: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labelled. M4 is the better/higher of the two ratings.
- T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to work better with a hearing device's telecoil ("T Switch" or "Telephone Switch") than unrated phones. T4 is the better/ higher of the two ratings. (Note not all hearing devices have telecoils in them.) The tested M-Rating and T-Rating for this device (FCC ID: ZL5S48C), M3 and T3.

EMERGENCY CALL

This device can be used for emergency calls in the service area. The connection, however, cannot be guaranteed in all conditions. The device should not be relied on solely for essential communications.

FCC STATEMENT

- 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.
- The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE:

- The country code selection is for a non-US model only and is not available to all US models. Per FCC regulation, all WiFi products marketed in the US must be fixed to US operation channels only.
- The device 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 during an installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are 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 your retailer or an experienced radio/TV technician for help.

- Changes or modifications not specifically approved by the party responsible for compliance could void the your authority to operate the equipment.

RF EXPOSURE INFORMATION (SAR)

- Your Cat S48c meets the government's requirements for exposure to radio waves.
- The device is designed and manufactured to not exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.
- For body worn operation, your device has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and positions the handset a minimum of 15mm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.
- The SAR limit set by the FCC is 1.6W/kg.

The highest reported SAR values under the FCC regulatory for the phone are listed below:

- Head SAR: 0.98 W/kg, Body SAR: 1.06 W/kg, Wireless Router SAR: 1.19 W/kg

DISPOSAL AND RECYCLING INFORMATION



This symbol on the device (and any included batteries) indicates that they should not be disposed of as normal household garbage. Do not dispose of the device or batteries as unsorted municipal waste. The device (and any batteries) should be handed over to a certified collection point for recycling or proper disposal at the end of their life.

For more detailed information about the recycling of the device or batteries, contact your local city office, the household waste disposal service, or the retail store where you purchased this device.

The disposal of the device is subject to the Waste from Electrical and Electronic Equipment (WEEE) directive of the European Union. The reason for separating WEEE and batteries from other waste is to minimise the potential environmental impacts on human health from any of the hazardous substances that may be present.

REDUCTION OF HAZARDOUS SUBSTANCES

This device is compliant with the EU Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulation (Regulation No 1907/2006/EC of the European Parliament and of the Council) and the EU Restriction of Hazardous Substances (RoHS) Directive (Directive 2011/65/EU of the European Parliament and of the Council). For more information about the REACH compliance of the device, visit the Web site www.catphones.com/certification. It is recommended to visit the Web site regularly for up-to-date information.



© 2018 Caterpillar. All Rights Reserved. CAT, CATERPILLAR, their respective logos, "Caterpillar Yellow," the "Power Edge" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.
www.cat.com / www.caterpillar.com Bullitt Mobile Ltd a licensee of Caterpillar Inc. Bullitt Mobile Ltd's and third party trademarks are the property of their respective owners.