



CK62 Series

Mobile Computer
powered by Android™



User Guide

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Patents

For patent information, refer to www.hsmpats.com.

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Customer Support

Technical Assistance

To search our knowledge base for a solution or to log in to the Technical Support portal and report a problem, go to honeywell.com/PSStechnicalsupport.

Product Service and Repair

Honeywell International Inc. provides service for all of its products through service centers throughout the world. Go to automation.honeywell.com and select Support to find a service center near you or to get a Return Material Authorization number (RMA #) before returning a product.

For ongoing and future product quality improvement initiatives, the mobile computer comes equipped with an embedded device lifetime counter function. Honeywell may use the lifetime counter data for future statistical reliability analysis as well as ongoing quality, repair and service purposes.

Limited Warranty

For warranty information, go to automation.honeywell.com and select **Support > Warranties**.

ABOUT THE COMPUTER FEATURES

This chapter introduces the CK62 Mobile Computer. Use this chapter to learn about the basic computer features, functions, and accessories.

About the CK62 Mobile Computer

CK62 mobile computers, built on the Mobility Edge™ platform, deliver real-time connectivity, advanced data capture, and future-proof investment protection. A 4-inch touchscreen with the option to choose between an alphanumeric or numeric keypad with function keys provides the flexibility to fit current and future application environments. CK62 models are equipped for fast Wi-Fi connectivity with a WLAN 802.11a/b/g/n/ac/ax dual-band radio and Bluetooth (v5.3) technology that includes Bluetooth Low Energy (BLE) support.

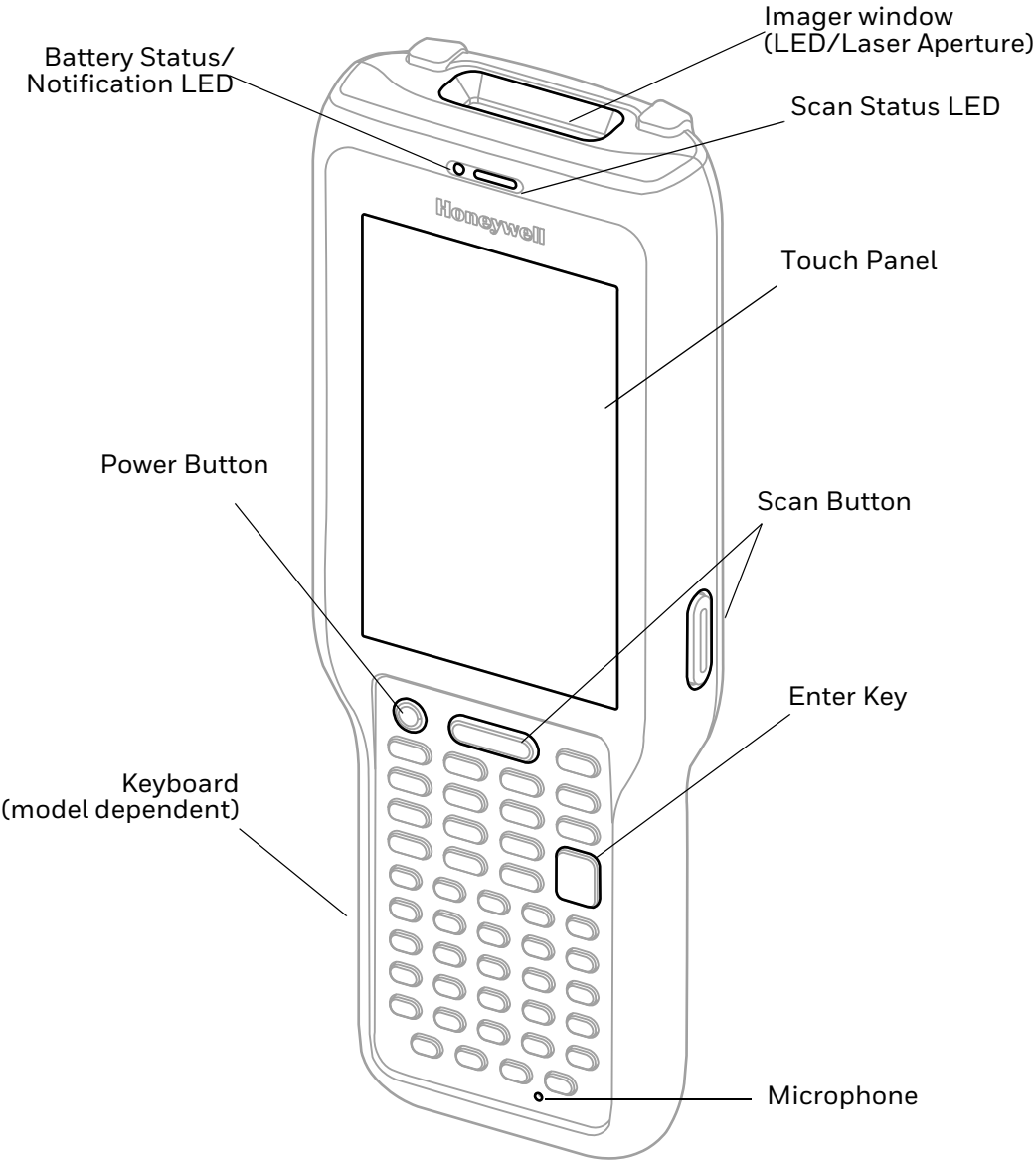
All models are available with a S0703-SR Standard Range Imager or S0803-XLR FlexRange™ XLR imager.

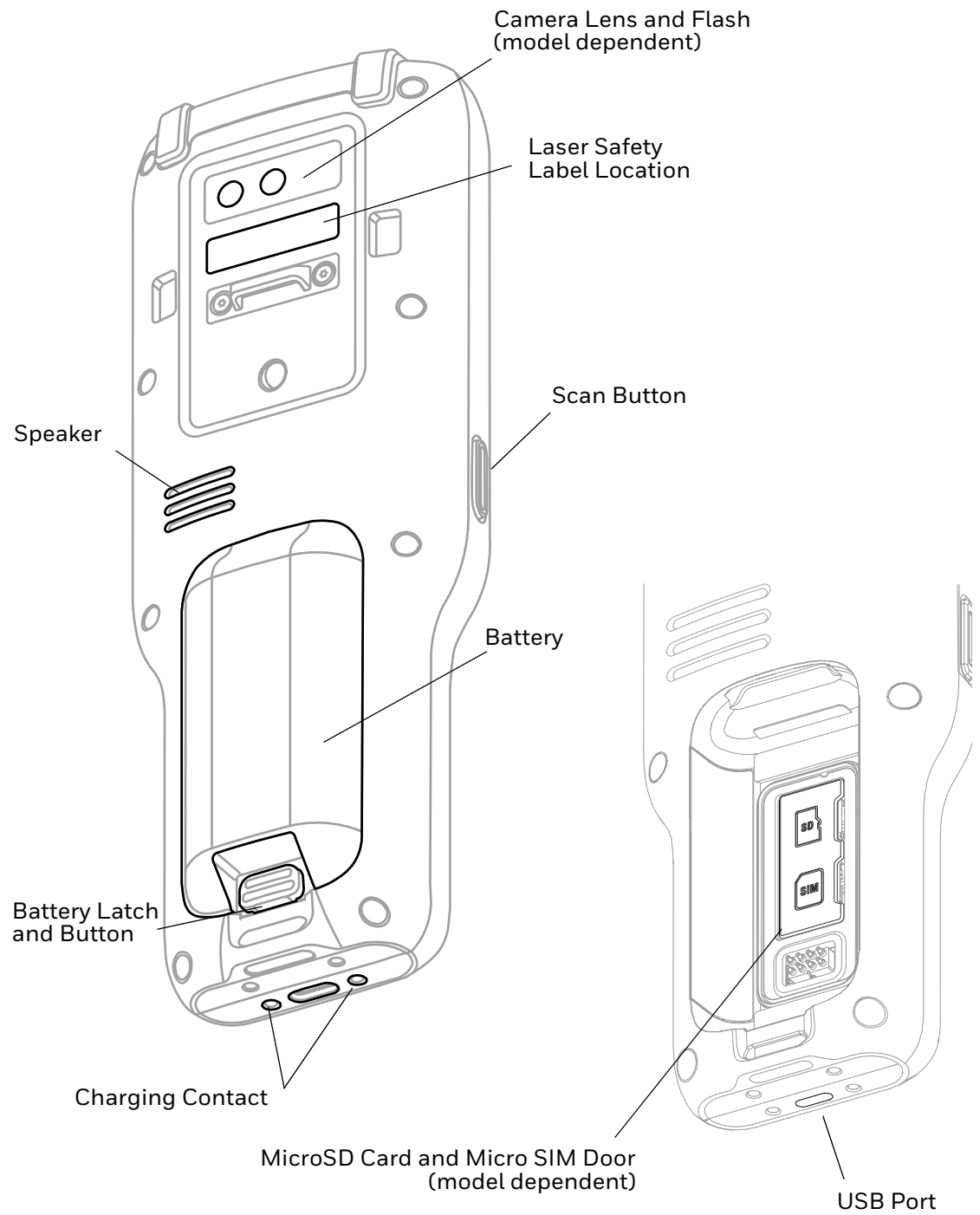
Note: *Throughout this manual, all versions of the mobile computer are referred to as the CK62 unless information is specific to a particular model type.*

Model Overview

Available Features	Model CK62X00	Model CK62X10
Android operating system*	x	x
2.4GHz Qualcomm 4490 octacore processor	x	x
4 GB DDR4 RAM, 64 GB flash memory	x	x
8 GB DDR4 RAM, 128 GB flash memory	x	x
High definition, bright color, outdoor-readable display with responsive multi-touch capacitive touch panel	x	x
Choice of physical keypad: - Alphanumeric and function keypad - Numeric and function keypad 29-key keypad	x	x
Choice of Honeywell high performance 2D imager with ergonomic Scan buttons	x	x
WLAN IEEE 802.11 a/b/g/n/ac/ax radio; Wi-Fi certified	x	x
Bluetooth™ V5.3 and Bluetooth Low Energy (BLE) technology support	x	x
Wireless WWAN radio for high speed data and quality voice support across all network technologies		x
Integrated GPS receiver; GPS Supported Protocols: Simultaneous GNSS Receiver Support for GPS, AGPS, Glonass; BeiDou; Galileo		x
Mid-tier rugged specifications with IP65 sealing	x	x
Customer-accessible microSD™ slot for removable memory cards up to 2 TB (SDXC/SDHC/SDIO-compliant)	x	x
Value-added software components supporting specialized imaging and OCR functions	x	x
13-megapixel color camera, HD 1080p video with image stabilization and advanced software features for enhanced exposure control	x	x
* For information on supported Android OS versions, see the CK62 data sheet, available at automation.honeywell.com .		

Features of the CK62





* Phone feature is available only on CK62X10 models.

About the Battery

The computer uses a rechargeable Li-ion battery as its main power source. Several factors determine the life of the battery, such as display brightness, display timeout, input device, extreme temperature, and battery usage.

CK62 computers are designed for use with batteries manufactured for Honeywell International Inc. See [Battery Identification](#) on page 5 for guidance on the correct battery part number for your unit configuration.

For a list of compatible accessories, see the CK62 accessory catalog, available for download from the product device pages at automation.honeywell.com. Contact your local sales representative for replacement battery ordering information.



Caution: Read [Battery Recommendations and Safety Precautions](#) on page 5 and all cautionary markings on the battery, charging peripheral, and device using the battery before attempting to install, use, or charge the battery.

Battery Identification

Computer	Battery Model	Battery Part Number	Replacement Battery SKU
CK62	CK65-BTSC	318-063-011	CK67-BTSC-001

Battery Recommendations and Safety Precautions

This section provides additional information on the safe use, handling and storage of the Lithium-ion rechargeable battery designed for use with the computer.

To learn more about Battery Maintenance for Portable Devices, go to honeywell.com/PSS-BatteryMaintenance.



Caution: Before you attempt to charge or replace the battery, carefully read all labels, markings and product documentation provided in the box or online at automation.honeywell.com.



Caution: Improper battery replacement or incompatible device usage may result in risk of burns, fire, explosion, or other hazard. Dispose of lithium-ion batteries according to local regulations. Risk of fire and burns if improperly handled. Do not open, crush, heat above 60°C (140 °F) or incinerate.



Caution: Ensure all components are dry prior to mating the computers and batteries with peripheral devices. Mating wet components may cause damage not covered by the warranty.

- Do not store the battery pack at temperatures above 45 °C (113 °F), such as inside a car on a hot day or in direct sunlight. Storage above 45 °C (113 °F) may damage the battery pack.
- Avoid dropping the battery or computer. If you suspect that the battery or computer is damaged or if intermittent power and charging issues occur, send the relevant device(s) to a Honeywell service center for inspection of the computer and/or battery. To learn more about returns refer to [Product Service and Repair](#) on page vii.
- Do not use the battery if it is noticeably deformed, swollen, or discolored. Replace immediately and discard as noted in the Caution at the beginning of this Safety section.
- Do not use battery if it is too hot to handle. Replace immediately and discard.
- Discarded batteries may create a safety hazard. Before disposal, cover the battery contacts with electrical insulating tape.
- Do not modify the battery or attempt to insert foreign objects into it.
- Do not solder directly to the battery contacts.
- Do not drop the battery or apply mechanical shocks or pressure to the battery.
- Do not immerse batteries into, or expose them to, water or seawater.
- Do not incinerate, microwave, throw into a fire, or expose batteries to temperatures above the maximum rating.
- Do not disassemble a battery or try to open or penetrate its housing.
- Stored batteries should be separated, not touching any other battery, device, charger, or accessory.
- Do not store or carry batteries where they are in close proximity to or touching conductive material (metal). For example, in a pocket where zippers, coins and office supplies (e.g., pens, paperclips) could also be located.

Use and Storage

When setting up the computer, you should consider how apps, services, and UI settings affect battery power consumption. Set the screen timeout feature to turn off the screen sooner and enable the Adaptive brightness feature to minimize battery use. Restrict unnecessary apps or services from running in the background to prevent battery drain. Utilize the Battery saver and Battery manager features to conserve power. Turn on Airplane mode to conserve battery power if network connectivity is limited or is not needed.

Keep in mind that Lithium-ion battery capacity declines over time due to stress from repeated charge-discharge cycles and environmental factors such as extreme operating/storage temperatures and humidity. As the battery lifespan/health declines, the battery energy dissipates more quickly or may take longer to charge.

Remember that the battery self-discharges slowly over time, even if the computer is turned off or the battery is stored outside the computer. Environmental factors such as extreme temperature and humidity affect self-discharge rates and can impact the battery lifespan.

Follow the recommendations below for battery use and storage.

- For maximum battery life, charge the battery at 20 °C (68 °F) to 25 °C (77 °F) and store at 23 °C (73 °F) with a 50% charge.
- Use only Honeywell approved charging methods and devices. See [Charge the Battery Before Use](#) on page 8. Use of this battery in other devices could result in damage to the device or battery.
- Replace the battery only with a Honeywell replacement battery. See [Battery Identification](#) on page 5 for guidance on the correct battery for your unit configuration. These batteries have been tested in accordance with applicable safety standards. Contact your Honeywell sales representative or distributor if this battery is no longer available.
- Batteries should be replaced periodically, typically every two years or if the battery health falls below 70% (see [Check the Battery Level and Usage](#) on page 13).
- Promptly recharge the battery or replace battery with a charged battery when you notice the battery status icon indicates the charge is low.
- Avoid allowing the battery to be completely drained since this applies stress on the battery and may shorten lifespan.
- Do not store batteries in a charger that is not connected to power.
- If you are storing the computer for a few days (e.g., over the weekend), install a fully charged battery or connect the computer to a power source.
- If you are storing the computer for longer than a few days, remove and charge the battery. When the battery is done charging, store both the battery and the computer separately in a cool and dry location. Periodically check the battery charge level. This is especially critical when storing batteries for several months since the battery will gradually self-discharge and a fully drained battery can impact the battery lifespan.

About Battery Life and Conservation

If you store the battery outside of the computer for long periods of time, the battery slowly discharges. To maintain battery performance, storing the battery in a charger is recommended. Use the reference table below to learn about how to conserve battery power.

When You Want to:	Do this to Save Battery Power:
Use the computer and the low battery status icon appears or the battery light turns on.	Do one of the following: • Connect the computer to a charging accessory. • Change the Battery (see page 8).

When You Want to:	Do this to Save Battery Power:
Stop using the computer for 5 minutes or more.	Make sure that the low battery status icon is not on the screen and that the battery status LED is not on. Press and release the Power button to put the computer to sleep.
Store the computer for more than a day.	• If you are storing the computer for a few days (e.g., over the weekend), install a fully charged battery or connect the computer to a power source. • If you are storing the computer for a longer period of time, remove and charge the battery. When the battery is done charging, store both the battery and the computer in a cool location. • If you store the battery for several months, recharge the battery periodically to keep it at peak performance.
Store the battery outside of the computer.	Store the batteries in a charger.

Charge the Battery Before Use

The mobile computer ships with a partially charged battery. Charge the battery with a CK62 charging device for a minimum of **4 hours**.

Note: *Using the computer while charging the battery increases the time required to reach a full charge.*

Note: *When charging a mobile computer inserted in a protective boot (CK62-PB-1), users need to be sure that the unit is fully inserted in the charging cup (CK62-UCP-B). Refer to the CK62 Accessories User Guide available at automation.honeywell.com for information on charging accessories.*

Change the Battery



Caution: Improper battery replacement or incompatible device usage may result in risk of burns, fire, explosion, or other hazard. Dispose of lithium-ion batteries according to local regulations. Risk of fire and burns if improperly handled. Do not open, crush, heat above 60°C (140°F), or incinerate.

When battery power is low, you have the choice to either charge the battery in the computer, or replace it with another fully charged battery. Spare batteries can be purchased separately.

Hot Swap

You can replace the battery on demand provided the following conditions are met:

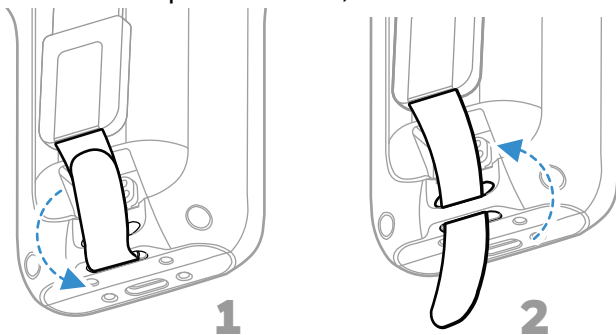
- The computer has been powered on for at least **4 minutes**.

AND

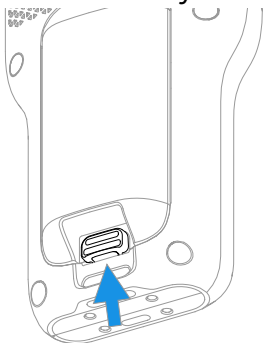
- You insert a new battery within 30 seconds.

Remove the battery

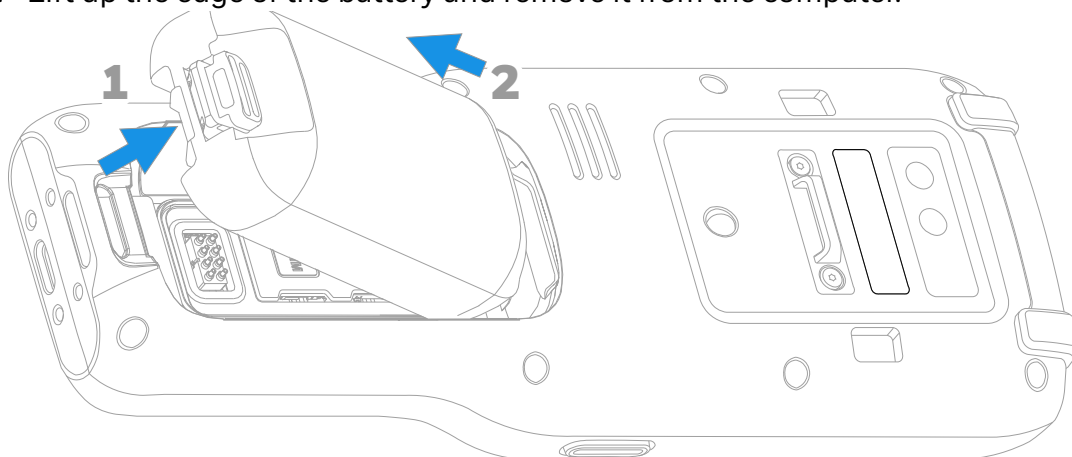
1. Save your files and close any open applications.
2. Press and hold the **Power** button until the options menu appears.
3. Tap **Power Off**.
4. If a hand strap is installed, remove it at the bottom of the computer.



5. Push the battery latch toward the battery to release the lock.

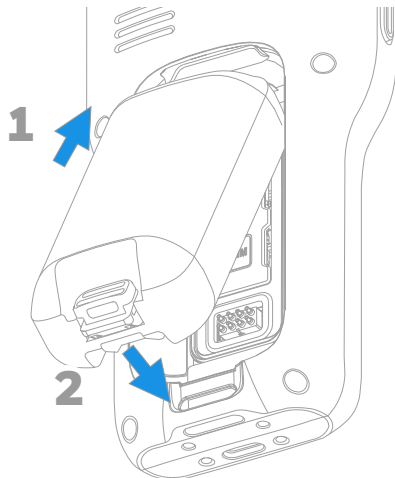


6. Lift up the edge of the battery and remove it from the computer.

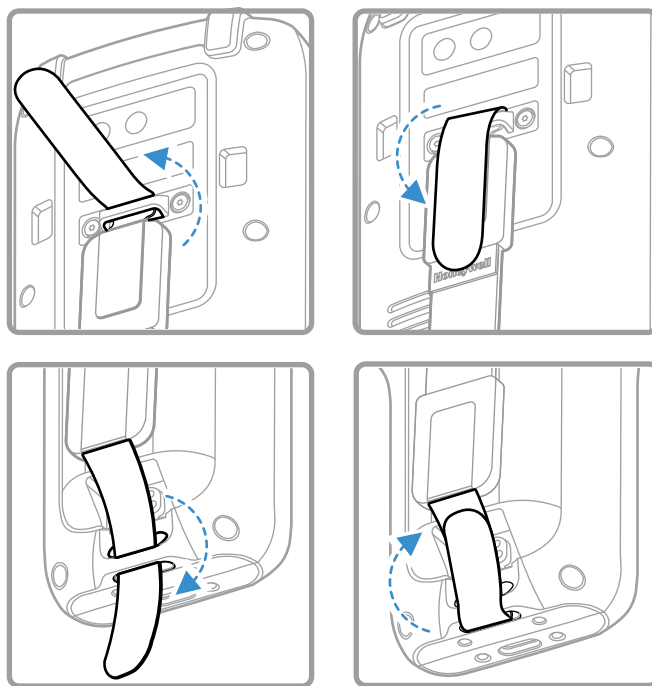


Install the battery

1. Insert the charged battery into the computer.
2. Press down on the bottom edge of the battery to engage the lock.



3. Attach the hand strap (optional).



4. Press and hold the **Power** button for approximately 3 seconds, and then release the button.

About the Battery Status

To view detailed information on your battery, such as use statistics, amount of charge remaining, and battery health information:

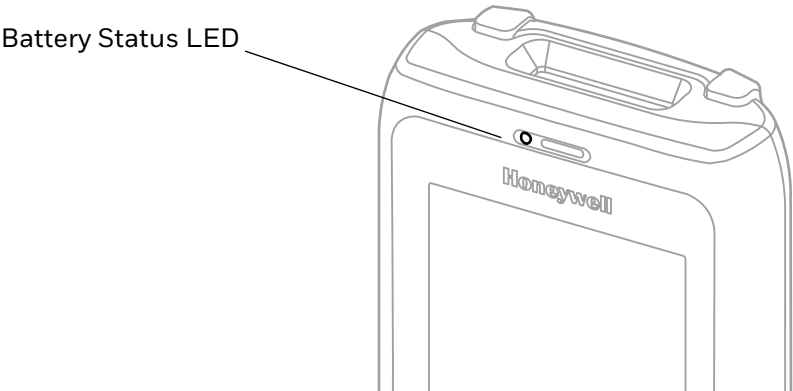
1. Open the **Settings** app .
2. Select either **Battery** or **Honeywell Settings > Battery Optimizer**.

You can also use the battery icon at the top of the screen in the Status bar to see battery charge information. The icon changes depending on the charge level.

Battery Status Icons

Icon	Status
	The battery charge is at 100%.
	The battery charge is at 50%.
	The battery charge is low. You need to charge or replace the battery soon.
	The computer is connected to external power and the battery is charging.
	There is a battery error. Install another battery. If the problem persists, contact Honeywell Technical Support.

The Battery status LED color and behavior (e.g., steady on, blinking, off) indicates the charging status of the battery. To view status descriptions and to learn how to modify the Battery LED behavior, see [About the Battery Status LED Setting](#) on page 11.



About the Battery Status LED Setting

You can change the behavior of the Battery status LED if the out-of-box behavior for a charging battery (blinking green) is not acceptable to your environment.

You can choose one of three options:

- **Mix Mode**

- **Default Battery LED** (optional Android OS configuration)
- **Honeywell Battery LED** (factory default, out-of-box configuration)
- **No Battery LED**

Honeywell Battery LED Behavior (Factory Default/Out-of-Box Configuration)

Connected to Power	LED State	Description
No	Blinking amber	Battery level is below 15%
No	Off	Battery level is more than 15%
Yes	Steady amber	Battery level is between 0% and 60%
Yes	Blinking green	Battery level is between 60% and 95%
Yes	Steady green	Battery level is above 95%
Either	Blinking red	Battery error

Default Battery LED Behavior (Optional Android OS Configuration)

Connected to Power	LED State	Description
No	Blinking red	Battery level is below 15%
No	Off	Battery level is 15% or more
Yes	Steady red	Battery level is below 15%
Yes	Steady amber	Battery level is between 15% and 90%
Yes	Steady green	Battery level is 90% or more

Select the No battery LED setting if you want to use the LED as a notification LED for applications or device management solutions. For more information on how to use the LED as a notification LED, see <http://developer.android.com/guide/topics/ui/notifiers/notifications.html>.

Change the Battery Status LED Behavior

To change the battery status LED behavior:

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Honeywell Settings** > **Battery LED**.
3. Choose one of the options:
 - **Mix Mode**
 - **Default Battery LED** (optional Android OS configuration)
 - **Honeywell Battery LED** (factory default/out-of-box configuration)
 - **No Battery LED** (disable battery LED)

Check the Battery Level and Usage

In addition to the Battery status icon and LED, you can monitor the battery status from the Settings app.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Battery**.

The current percentage of battery power remaining and the amount of usage time left on the battery appear on the screen. A list shows the battery usage for individual apps and services. For usage details, select one of the apps or services in the list. You can also access the **Battery Saver** feature from the battery screen.

Power On the Computer

After you have fully charged and installed a battery, power on the computer for the first time:

- Press and hold the **Power** button for approximately 3 seconds and then release the button.

Welcome Screen

The first time you power on the computer, a Welcome screen appears. Select a language and then tap **Start**. You can either scan a configuration barcode or select manual to set up the computer. To learn more about scanning barcodes, see [Scan Barcodes](#) on page 46.

During the manual setup process, follow the prompts on the screen to:

- Set up the Wi-Fi network connections.
- Set the time, date, and time zone, if no Wi-Fi connection is available.
- Personalize (name) the computer.
- Set up security and privacy options.

Once you complete the initial setup, the Welcome screen no longer appears when you power on the computer and **Provisioning mode** is automatically turned off (disabled). Scanning a barcode to install applications, certificates, configuration files, and licenses on the computer is restricted when **Provisioning mode** is turned off. To learn more [About Provisioning Mode](#) see [page 88](#).

Unlock the Screen

The screen lock automatically activates every time the computer is turned on or when the computer wakes from sleep mode.

- Swipe up from the lock icon at the bottom of the screen.

The level of security provided depends on the type of lock set (e.g., Swipe, Pattern, PIN, or Password). The default setting, Swipe, provides no protection against unauthorized access to your computer.

Change the Screen Lock to Protect the Computer

After you start using the computer, you should change the screen lock to prevent unauthorized persons from accessing the computer after the screen lock activates, unless they input the correct password, pin, or pattern.

The recommended setting for the Screen lock is to enable a Password lock. Use a strong password value (e.g., include numbers, characters, special characters, and mix character case).

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Security & privacy** > **Device unlock** > **Screen lock**.
3. Choose one of the following options:
 - **None**
 - **Swipe**
 - **Pattern**
 - **PIN**
 - **Password**
4. Follow the on-screen prompts to complete the setup.
5. Exit the Settings app.

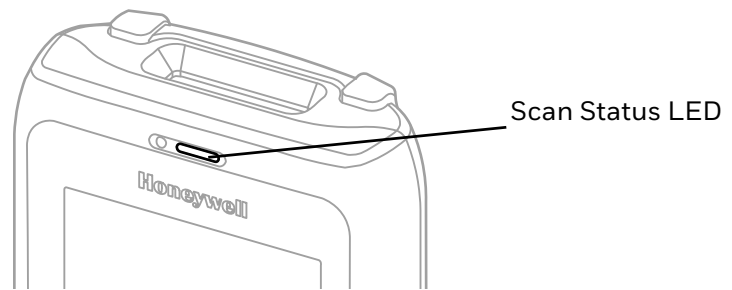
Configure the Screen Backlight

You can change the brightness level to set the backlight intensity.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Display**.
3. Tap **Brightness level** and use the slider to set the brightness level.

About the Good Read LED

The Scan Status LED indicates the read status of the imager when scanning a barcode. To learn more about how to use and configure the imager engine for scanning, see [Use the Image Engine](#) beginning on page 37.



Scan Status LED Descriptions

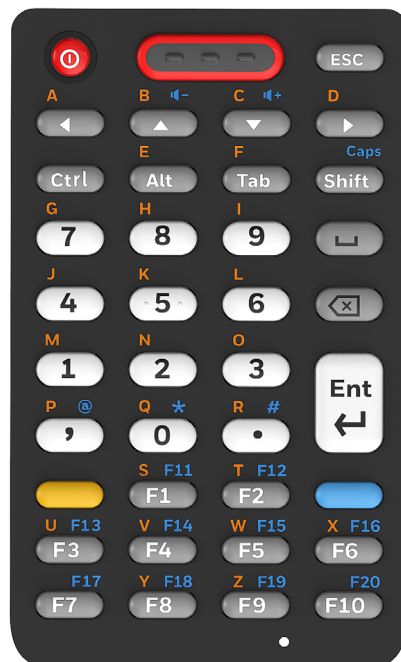
LED Color	Description
Green	Good read of a barcode.
Red	Failure to scan barcode. Check to make sure you have the correct symbology enabled.

About the Keypad

The CK62 is available in three keypad configurations.

Numeric Keypads

38-Key

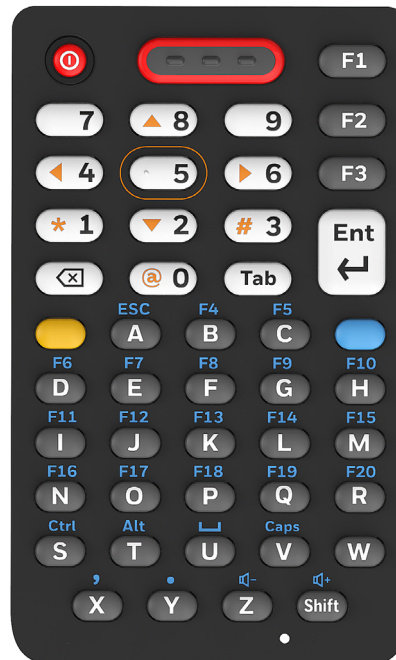


29-Key



Alphanumeric Keypad

47-Key



About the Color-Coded Keys

Use the keypad color-coded modifier key(s) to access all the characters, numbers, symbols and functions marked on the computer keys and keypad overlay.

Note: On the keypad, you can lock the modifier key on and type only symbols or special characters by pressing the blue or orange modifier key twice in rapid succession. Press the modifier key again to unlock the modifier.

Enter Characters on the Alphanumeric Keypad

Computer models with an Alphanumeric keypad include orange and blue modifier keys for typing symbols and special characters. The keypad also has customizable auxiliary keys (F1-F20) that can provide additional key functions.

To learn more about customizing the key functions, see [Remap a Button or Key](#) on page 27.

Enter Characters on the Alphanumeric Keypad

- Press the relevant character or number key.

To type a symbol or special character:

1. Press the orange modifier key once.
2. Press the key for the letter or special character (eg., @, *, #).

Example: Press  and then  to type the hashtag symbol.

To type a single uppercase alphabetic character:

1. Press the orange modifier key.
2. Press  to activate Caps lock.
The status bar displays  when caps lock is turned on.
3. Press the character.

Example: Press   then  to type the capital letter A.

To type all uppercase alphabetic character:

1. Press the orange modifier key twice.
 will display in the status bar.
2. Press .
The status bar displays  when caps lock is turned on.
3. Press the character key.
4. Press  again to turn caps lock off.

Example: Press    and then    to type the word AND in all caps.

Enter Characters on the Numeric Keypad

The numeric keypad includes blue and orange modifier keys for typing alphabetic characters and special characters as well as accessing functions. The keypad also has customizable Function keys (F1 to F20) that can provide up to 20 additional key functions.

To learn more about customizing the key functions, see [Remap a Button or Key](#) on page 27.

To type a number:

- Press the relevant number key.

To type a lower case alphabetic character:

1. Press the orange modifier key once. To type several letters, press the orange modifier key a second time to lock the keypad in alphabetic mode.
When you press the orange modifier key once,  will display in the status bar to indicate that the keypad is in alphabetic mode. When you press the orange modifier key twice,  will display in the status bar to indicate that the keypad is locked in alphabetic mode.
2. Press the key for the letter. The letter that corresponds to the key is shown in orange above it.

Example: Press  twice and then ,  and  to type the word “and” in lower case letters.

To type uppercase alphabetic characters:

1. Press the orange modifier key twice to lock the keypad in alphabetic mode.
2. Press  to activate Caps lock.
The status bar displays  when caps lock is turned on.
3. Press the character key(s).
4. Press  to turn Caps lock off.
The keypad will stay in Caps lock until you turn it off.

Enter Characters on the 29-Key Keypad

The 29-key keypad includes blue and orange modifier keys for typing alphabetic characters and special characters as well as accessing functions. The keypad also has customizable Function keys (F1 to F10) that can provide up to 10 additional key functions.

To learn more about customizing the key functions, see [Remap a Button or Key](#) on page 27.

To type a number:

- Press the relevant number key.

To type a lower case alphabetic character:

1. Press the orange modifier key once. To type several letters, press the orange modifier key a second time to lock the keypad in alphabetic mode.
When you press the orange modifier key once,  will display in the status bar to indicate that the keypad is in alphabetic mode. When you press the orange modifier key twice,  will display in the status bar to indicate that the keypad is locked in alphabetic mode.
2. Press the key for the letter, press the key twice to enter the second letter on the key, or three times to enter the third letter.

Example: Press  twice and then press  for “a”, press  twice for “n”, and press  for “d” to type the word “and” in lower case letters.

To type uppercase alphabetic characters:

1. Press the orange modifier key twice to lock the keypad in alphabetic mode.
2. Press  to activate Caps lock.
The status bar displays **A** when caps lock is turned on.
3. Press the character key(s).
4. Press  to turn Caps lock off.
The keypad will stay in Caps lock until you turn it off.

Use a Function Key

The keypad has customizable auxiliary keys (F1-F20 or F1-F10) that can provide additional key functions.

- To use function keys F1-F10 on the numeric keypad or F1-F3 on the alphanumeric keypad, press the relevant key on the keypad.
- To use function keys F1-F10 on the 29-key keypad, press the blue modifier key  then press the relevant key.
- To use function keys F11-F20 on the numeric keypad, F4-F20 on the alphanumeric keypad, or special characters shown in blue, press the blue modifier key  then press the relevant key.

When you press the blue modifier button once,  is displayed in the status bar to indicate that the next key you press will use the assigned function. When you press the blue modifier button twice,  is displayed in the status bar to indicate that the function key is in lock mode, and the assigned functions will be used until you press the blue modifier button again to turn it off.

About the Audio Features

The CK62 has multiple speakers, a microphone, and several software tools to configure sound volume or enable vibration feedback.

Audio Settings

This section describes the audio and sound settings you can configure in the **Settings** app.

- To change audio settings, select the **Settings** app  and then tap **Sound & vibration**.

Note: Sound settings are model dependent. Some settings may not be available for your model type.

Sound & vibration Settings

Setting	Description
Media volume	Use the sliders to set the volume for media (e.g., music, videos, and games), calls, alarms and rings (notifications and ringtones).
Call Volume	
Ring volume	
Notification volume	
Scanbeep volume	
Alarm volume	
Do Not Disturb	Select to set which notifications to let through when you have Do Not Disturb turned on and when you want to be left alone.
Phone ringtone	Set the default ringtone.
Live Caption	- Turn the Use Live Caption feature on to automatically generate captions for media on your device. - Manage Live Caption options.
Media	Select to show or hide the media player when the media session has ended.
Vibration & haptics	- Turn Vibration and haptics on or off. - Configure ring vibration for calls. - Turn Notification and Alarm vibration on or off. - Turn Touch feedback on or off. - Turn Media vibration on or off.
Shortcut to prevent ringing	Set what happens when you simultaneously press the Power and Volume Up buttons together. Options include: Vibrate, Mute, and Do Nothing.
Default notification sound	Select a notification sound.
Default alarm sound	Select an alarm sound.

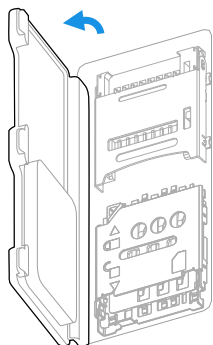
Setting	Description
Other sounds and vibrations	Turn sounds on or off for: • Dial pad tones • Screen locking sound • Charging sounds and vibration • Tap & click sounds • Always show icon when in vibrate mode

Insert a microSD Card

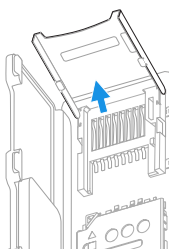
You can use a microSD card to increase file storage capacity or to install software. Honeywell recommends the use of Single Level Cell (SLC) industrial grade microSD or microSDHC memory cards with the computer for maximum performance and durability.

Note: Format the memory card before initial use.

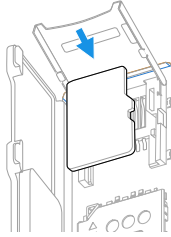
1. Remove the battery from the computer. Refer to [page 9](#).
2. Press down on the card access door hinge and lift the opposite end to open it.



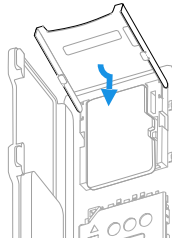
3. Press down gently and slide the card holder away from the open access door. Lift the edge of the holder up.



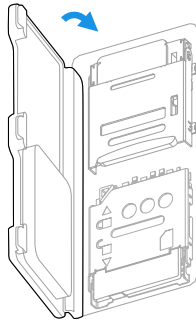
4. Insert the microSD card into the card holder with the contacts facing out.



5. Close the holder with the card inserted. Press down gently on the card holder and slide it into the locked position.



6. Close the card access door.



7. Install the battery. Refer to [page 10](#).
8. Press the **Power** button to turn on the computer.

How to Transfer Files

To transfer files, you need to physically connect the CK62 mobile computer to your workstation (e.g., laptop or desktop computer) through a USB connection. When the mobile computer is connected and USB is configured for file or photo transfer, use a file browser (e.g., File Explorer or Windows Explorer) on your workstation to transfer files between the two computers. If you are transferring files to and from a Mac, use the Android File Transfer application (available from www.android.com/filetransfer).

Note: File transfer through a USB connection is disabled by default. You need to configure the USB connection for transferring files or photos.

Configure USB Connection and Transfer Files

Note: The CK62 supports Hi-Speed USB communications (USB 3.0) with a maximum data transfer rate of 4800 Mbps.

1. Connect the CK62 to your workstation.
2. On the CK62, swipe down from the top of the screen to see the notifications.
3. Tap the **Android System** notification twice, to open the options menu.
You may need to scroll down to the bottom of your notifications to find it.
4. Select either **File Transfer** or **PTP** (picture transfer protocol).
5. Open the file browser on your workstation.
6. Browse to the CK62. You can now copy, delete, or move files between the CK62 and your workstation.

Note: When Provisioning Mode is disabled (turned off), some file folders are hidden from view in the file browser.

Accessories for the Computer

The CK62 Mobile Computer ships with a battery, USB-C cable, and hand strap. All other accessories are ordered and shipped separately.

For a complete list of compatible accessories for the CK62 mobile computer series and their part numbers see the CK62 *Accessory Catalog* available for download from the CK62 product page at automation.honeywell.com.

Contact your local sales representative for ordering information.

CK62 Accessories

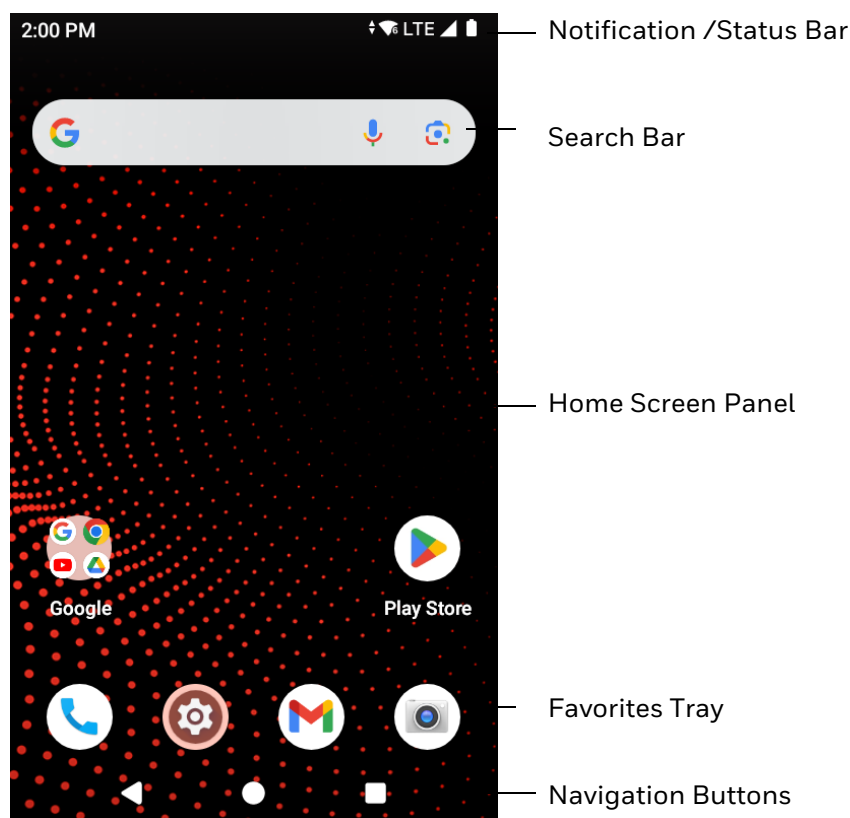
Accessory	Description
Scan Handle (CK62-SH)	Attach the scan handle to the CK62 mobile computer for easier grip and trigger action when scanning labels.
Universal Dock Cup (CK62-UCP-N or CK62-UCP-B)	The Universal Cup can be used to allow booted or non-booted CK62 mobile computers to be compatible with CT40 series Universal Docks. Note: CK62-UCP-N and CK62-UCP-B provide power charging only and cannot be used for data transfer.
Universal Home Base (CK62-HB-UVN or CK62-HB-UVB)	Use the Home Base to hold a booted or non-booted computer with a battery installed, charge a spare battery pack, charge the main battery pack, and provide power to the mobile computer.
Universal Quad Charging Base (CK62-CB-UVN or CK62-CB-UVB)	Charges up to four booted or non-booted CK62 mobile computers at one time.
Universal 5-Bay Charging Base (CK62-5CB-UVN or CK62-5CB-UVB)	Charges up to four booted or non-booted CK62 mobile computers and four batteries at one time.
Home Base (EDA61K-HB)	Use the Home Base to hold a computer with a battery installed, charge a spare battery pack, charge the main battery pack, and provide power to the mobile computer.
Quad Charging Base (EDA61K-CB-X)	Charges up to four batteries at one time.
AC20 Quad Battery Charger (871-230-101)	Charges up to four batteries at one time.
16-Bay Battery Charger (CK6X-BC-16BAY)	Charges up to 16 batteries at one time.
Protective Boot (CK62-PB-1)	Protective boot for CK62 mobile computer.

ABOUT THE USER INTERFACE AND APPLICATIONS

Use this chapter to learn about the user interface and how to interact with the screen. You can also use this chapter to learn about the Honeywell applications on the computer.

About the User Interface

The Android 14 operating system provides a touch-friendly and easy-to-navigate user interface. When you turn on the mobile computer, the Home screen is the first screen that appears after language provisioning and the startup Wizard is complete.



Home Screen Features

Item	Description
Notifications panel / Status bar	Status icons to the left tell you when an app has sent notifications, such as an arriving message. System icons to the right display the current wireless and network connection state and battery level.
Search bar	Search the Internet or the computer using Google™. Touch the microphone icon in the search box to initiate a voice search or command.
Home Screen Panel	You can create more than one custom Home screen panel. Swipe left or right on the Home to switch between your custom panels.
Favorites tray	App icons in the customizable tray are visible on all Home screen panels.

Navigation and Function Buttons

Your mobile computer has buttons on the keypad below the Favorites tray and on the sides for easy navigation and quick feature access when using the computer.

For button locations on computer, see [Features of the CK62](#) on page 3.

Button	Description	
	Back	Return to the previous screen.
	Home	Return to the Home screen.
	Recent Apps	View and switch between recently used apps.
	Scan	Press the right, left, or front scan button to trigger the scanner.
	Function	CK62 mobile computers provide function buttons F1-F20. Use the Key Remap feature in the Settings app to assign a button function.
	Power button	Power on the computer (see page 13). Press and release the button to activate or exit sleep mode (see page 71). Press the button for approximately 3 seconds and then release to view the options menu. • Power Off • Restart • Emergency Perform a manual restart if touchscreen is unresponsive (see page 95).

About Status Bar Icons

Status and notification icons show you the current status of your network, the battery, notifications, and sounds. Use the table below to understand some of the most common icons.

Status and Notification Icons

Icon	Description	Icon	Description
	Incomplete calendar events		Sound is disabled
	Pending alarm and Alarm is set		Vibrate mode is turned on
	New text message or multimedia message		Airplane mode is turned on
	Error with text or multimedia message delivery		Bluetooth is turned on
	New email		Bluetooth is connected
	ABD has been enabled (USB troubleshooting has been enabled)		Wi-Fi network connected with full signal strength
	Computer is connected to a PC with a USB cable		Wi-Fi network connected but no signal strength
	Synchronizing data		Network connected
	Error with sync or sign-in		SD card is full
	Caps lock is turned on.		Caps Lock is Locked.

Remap a Button or Key

You can change the default function of the Scan buttons (i.e., Left and Right), the Back, Home, and Recent virtual buttons, and the functions keys (F1-F20).

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Honeywell Settings** > **Keyremap**.
3. Tap the plus sign (+).
4. Press the button or key you want to remap.

Note: To remap a function key shown in blue on the keypad (i.e., F11), press the blue function key then the corresponding key on the keypad.

5. Tap **OK**.

6. Select one of the following options:

- Tap **Keys** to view available functions. Select the function you want assigned to the button.
- Tap **Apps** to view available applications. Select the application you want assigned to the button.
- Tap **Actions** to enter an Intent or Broadcast. Tap **OK** to assign the action to the button. For example, to start an Intent, type `com.android.settings/com.android.settings.wifi.WifiSettings`.
- Tap **Command** to enter a command that will be executed when the button is pressed. This option supports all ADB shell commands. For example, if you choose a button to remap and enter the command “input keyevent 64”, pressing the selected button will open the web browser on the device.
- Tap **Text** to type characters to display when the remapped key is pressed. Use a comma “,” to separate the characters. Tap **OK** to assign the text to the button. Use the following table for examples:

Input Text	Button Press
A,A,B	aab
SHIFT_LEFT,A,SHIFT_LEFT,B or CAPS_LOCK,A,CAPS_LOCK,B	AB
SHIFT_LEFT,1	!
CTRL_LEFT,A	(Select All)
VOLUME_UP	(Volume Up)

Note: Lower case text is not supported in the **Text** field. Text must be entered in upper case. For example, “H,e,l,l,o” will display as “h”, whereas “H.E.L.L.O” will display as “hello”.

7. Select the function you want assigned to the button. The function you selected now appears next to the button or key name.
8. Exit the Settings app.

Restore Default Button Action

To restore the button default action:

1. Swipe up from the bottom of the Home screen to access all apps.
 2. Tap **Settings**  > **Honeywell Settings** > **Keyremap**.
 3. Tap the clean icon .
 4. Choose the remapped button(s) you want restored to the default setting.
 - Tap the check box next to the button.
- OR
- Tap **All Select** to choose all the buttons.

5. Tap **Delete** then **OK**.

View and Manage Notifications

You can view recent events on the computer, manage system notifications, change a setting or quickly respond to an app notification by opening the notifications panel.

When a notification icon appears in the status bar at the top of the screen:

1. Swipe down from the top of the screen to open the notifications panel.
2. Respond to the notification. You can take one of the following actions:
 - Tap the notification to open the associated app.
 - Tap a quick-reply or action command (e.g., Reply, Archive), if available.
 - Swipe the notification sideways, off the screen to dismiss it.
 - Tap and hold the notification to reveal the settings icon . Choose between **Stop notifications** or **Keep showing**.

Note: Some notifications cannot be dismissed or turned off.

To close the notification panel, swipe up from the bottom of the screen, or tap the **Back** or **Home** buttons.

Open Quick Settings

Use the Quick Settings screen for easy access to common settings. Tap an icon to toggle the feature on/off or to open additional settings.

- To open Quick Settings, swipe down twice from the status bar at the top of the screen.
- To close Quick Settings, tap the **Back** or **Home** buttons or Swipe up.

Customize the Home Screen

You can add application icons to any Home screen for easier access.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap and hold the app you want to add, and then start to drag the icon out of position. The computer vibrates, and then switches to a smaller view of the Home screen panels.

3. Drag and drop the app icon into place.
 - If you want to add another home screen, drag the icon to the right edge of the screen before releasing the icon.
 - If you want to create a folder, drag and drop the icon on top of another icon.

Note: *If you tap and hold an app but don't move it, a shortcut menu appears. The content of the menu depends on the app selected.*

To add widgets or customize the look of the Home screen:

1. Tap and hold an empty section of the screen.
2. Select either **Home settings**, **Widgets**, or **Wallpapers**.

Customize the Favorites Tray

Modify the Favorites tray to contain the apps you use the most.

1. Tap and hold the app icon you want to replace on the Favorites tray.
2. Drag and drop the app on “**X Remove**” at the top of the screen.
3. Swipe up from the bottom of the screen to access all apps.
4. Tap and hold the icon of the app you want to add.
5. Drag and drop the icon into position on the Favorites tray.

Use Google™ Search

Use the Google Search field on the Home screen to help you find anything you need on the computer or on the web.

1. On the Home screen, tap inside the Google Search box and begin to type your search term.

As you type, suggestions from Google web search appear below the Search box, and results from the computer (such as apps or contacts) appear below the web search results.

2. Tap a suggestion to search for it immediately, or touch the arrow to add the term to the search field without starting to search.

About Screen Gestures

Use your fingers to manipulate icons, buttons, menus, the on-screen keyboard, and other items on the screen.

- **Tap**

Tap to select something, toggle a setting on or off, or activate a field for text entry. An on-screen keyboard automatically appears for text entry.

- **Tap and hold**

Tap and hold an item but do not lift your finger until an action occurs.

- **Drag and drop**

Tap and hold an item, and then slide your finger across the screen until you reach the target position. Lift your finger off the screen to drop the item in place.

- **Swipe**

Quickly move your finger across the screen, without pausing when you first touch. For example, you can swipe a Home screen left or right to view the other Home screens.

- **Slide**

Slowly move your finger across the screen, without pausing when you first touch. For example, you can slide a notification to the left until the Settings gear is revealed.

- **Double-tap**

Tap quickly twice on a web page, map, or other screen to zoom in. Double-tap again to zoom out.

- **Pinch**

In some apps, you can zoom in and out by placing two fingers on the screen at once and pinching them together (to zoom out) or spreading them apart (to zoom in).

Set the Time Zone

The computer gets the current date and time from its network connection. If preferred, you can change this behavior and manually set the time zone for your location.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **System** > **Date & time**.
3. Tap **Use location** to turn off the feature.
 - a. Tap **Set automatically** to turn off the feature.
4. Tap **Time zone** and select the time zone for your location.

About Honeywell Applications

Honeywell applications help you troubleshoot and connect your computer to other devices and networks. Some of the applications in this table are located in the Power Tools app. To learn more about Honeywell Power Tools, go to automation.honeywell.com to download the *Power Tools User Guide*.

Honeywell Applications Available on the Computer

Icon	Application	Description
	AutoInstall Settings	Enable the AutoInstall feature, to automatically install *.zip or *.apk files containing applications saved in the Internal shared storage\honeywell\autotinstall folder and IPSM card\honeywell\autotinstall folder on the computer during the power-up boot or reboot process.
	Demos	Honeywell Demo apps demonstrate the basic capabilities of the computer and are not intended as functional business solutions. The demos included demonstrate scanning, signature capture and printing via Bluetooth technology. Information on how to create custom applications for your Honeywell mobile computer can be found in the Honeywell Software Development Kit (SDK) for Android, available from the Technical Support Downloads Portal .
	HUpgrader	Use the Honeywell Upgrader app (HUpgrader) to automatically search for and install Over-the-Air (OTA) operating system updates from a remote server.
	Scanner Edge	The Scanner Edge app allows a Honeywell mobile computer to communicate with scanners using Bluetooth technology. The app can be used to update configuration settings and install firmware on a connected scanner. Refer to the Scanner Edge User Guide available at automation.honeywell.com .
	Staging Hub Agent	View information related to the Op Intel agent. For more information on Operational Intelligence, go to automation.honeywell.com .
Power Tools		
	BattMon	BattMon provides information on the charge status and health of the battery, and provides access to activate battery status notifications and battery charging history logs.
	ConfigApps	ConfigApps enables or disables applications and application updates.
	Configure Autorun	Configure Autorun provides the ability to set applications to automatically run after a reboot.
	Diagnostic Information	Diagnostic Information provides access to system statistics, notifications and version information about the computer.

Icon	Application	Description
	EZConfig	EZConfig supports advanced customization and configuration of the computer. EZConfig includes a standard XML editor and configuration barcode scanner feature.
	WiFi Diagnostic	Use application to: • View Wi-Fi radio status information about a connected access point or a list of other available access points in range of the Wi-Fi radio. • Use the Route utility to view packet destination gateway information across the subnets. • Use the IPConfig utility to view IP parameters for the on-board network adapters. • Use the Ping utility to verify communication links or to make sure a specific IP address is working.
	Wireless Tether	Use to enable range tracking and customize out-of-range alerts for Bluetooth devices paired and tethered to your hand held computer.

Applications You Can Download to the Mobile Computer

You can download Honeywell applications to extend the capabilities of the computer. You may need to purchase a license to run some applications. To learn more about the applications described in this section and other Honeywell software solutions, go to automation.honeywell.com.

About Honeywell Enterprise Browser

Honeywell Enterprise Browser is a locked-down enterprise Web client application designed for Honeywell computers. It provides a controlled Web application environment that helps enterprises increase productivity and reduce IT management expenses. You can configure Enterprise Browser for your specific application requirements and design custom web applications that run through the Enterprise Browser to provide your users with an easy-to-use yet controlled experience.

If Enterprise Browser is not included on your computer model, you can download a trial version for evaluation. After the evaluation period expires, you need to purchase a license. For more information about Enterprise Browser, visit automation.honeywell.com.

About Terminal Emulators

Honeywell offers several terminal emulator solutions that allow users to manage their mobile devices by providing reliable data transfer between the host mobile device and terminal. Terminal emulators can be used for remote management and configuration of devices, data collection and analysis, and session management.

Depending on the computer model, a terminal emulator may come preinstalled on the device. If a terminal emulator is not included on your model, you can download a trial version for evaluation. After the evaluation period expires, you need to purchase a license. For more information, visit automation.honeywell.com.

About Honeywell Launcher

Launcher is a configurable locked-down menu program designed for Honeywell computers that prevents end-users from accessing the start menu and other non-authorized applications. Use Launcher to provide a platform where your mobile computer users are limited to running only company-approved applications and prevent them from initiating unauthorized configuration changes. You can also use Honeywell Launcher together with Honeywell Enterprise Browser to create a single-purpose device configuration.

If Launcher is not included on your computer model, you can download a trial version of the software for evaluation. After the evaluation period expires, you need to purchase a license. For more information about Launcher, visit automation.honeywell.com.

About Honeywell UEMConnect

Honeywell UEMConnect enables customers to use the Google OEMConfig protocol to perform enterprise configuration and enhance the management of Honeywell Mobility Edge™ devices. It seamlessly integrates with EMM solutions to expose Honeywell management extensions directly on the EMM console. UEMConnect provides exclusive access to hundreds of advanced Honeywell proprietary settings and provides supplemental access to standard EMM features. EMM providers may also make use of generic Android APIs to provide standard EMM functionality.

Honeywell UEMConnect is available for download in the Google Play™ store. UEMConnect licenses are included with the purchase of applicable SOTI offerings through Honeywell or may be purchased separately for applicable EMM solutions not purchased through Honeywell.

Unlock Developer Options

Developer options only appear in the Settings app if you unlock the feature. If you are a developer working with the computer, you can easily unlock the additional settings to use for testing and debugging applications under development for the computer.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **About phone**.
3. Tap **Build number** seven times. A message appears informing you that you are now a developer.

4. Open **Settings > System** and scroll to the bottom of the list.
5. Tap **Advanced**.
6. Tap **Developer options**.

USE THE IMAGE ENGINE

Use this chapter to understand how to scan barcodes, configure the scan settings, and capture images using the integrated image engine in the computer.

About the Image Engine

The CK62 mobile computer offers two Honeywell high-performance imager options:

- S0703-SR (Standard Range)
- S0803-XLR (FlexRange™ XLR)

You can use the imager in the computer as a scanner or camera.

- Use the imager as a scanner to read 1D and 2D barcode symbologies, composite symbologies, and postal codes. It also supports omni-directional scanning for greater flexibility in real-world settings. By default, the scanner feature is enabled and uses the default scan profile. You can modify the **Default Profile** or create new profiles for custom applications from **Settings**  **> Honeywell Settings > Scanning**.
- Use the imager as a camera to capture black and white images, such as signatures or pictures of damaged inventory. The imager camera feature requires the development of a custom application that uses the Honeywell Mobility SDK for Android. To download the Honeywell Mobility SDK for Android, see [Developer Information](#) on page 87.

Note: *Instead of using the internal imager, you can also use Bluetooth communications to connect the computer to an external scanner, such as the Granit™ 1990i and 1991i.*

About the Scan Wedge Feature

The scan wedge feature sends scanned barcode data to an active application as Android keypad input. To scan a barcode as keyboard input, open an application that accepts text input and then scan a barcode. You can use applications that are

coded to use the scanner or applications that receive data through the scan wedge feature. If an application claims the scanner through the BarcodeReader API, the scan wedge feature is temporarily disabled.

You can find information on how to create custom applications for the computer in the *Software Development Kit (SDK)* available for download from the *Technical Support Downloads Portal* at honeywell.com/PSSsoftware-downloads. Once you create an account and enter the portal, navigate to **Software > Software and Tools > Developer Library > SDKs for Android**.

Change the Scanner Settings

Changes you make to the Default profile apply to all applications with no profile assigned.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  **>Honeywell Settings > Scanning**.
3. Tap **Internal Scanner > Default profile**.
4. Select from the following:
 - **Data Processing Settings**
 - **Symbology Settings**
 - **Decode Settings**
 - **Imager Settings**
 - **Trigger Settings**
 - **Notification Settings**
 - **OCR Settings**

Note: The OCR Settings menu option is only displayed if a license is installed for Smart OCR. See [Enable Smart OCR](#) on page 49 for more information.

5. Modify the settings to meet your application needs.

To learn more about the scanner settings, see [Default Scan Settings](#) on page 39.

Change the Bluetooth Scanner Settings

When the Bluetooth scanner is paired, changes can be made to the Default profile for the scanner.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  **> Honeywell Settings > Scanning**.
3. Tap **Bluetooth Scanner > Default Profile > Data Processing Settings**.

4. Modify the settings to meet your application needs.
5. To learn more about the scanner settings, see [Data Processing Settings](#) on page 39.

Restore Default Scan Settings

You can easily discard all changes you made to the Default profile and restore the default values.

Note: When you choose the *Restore all defaults* option from a settings screen in a profile, all the settings in that profile return to their default values.

1. Open the **Default profile**.
2. Tap  in the upper right corner of any of the scan settings screens for the profile.
3. Tap **Restore all defaults**.

Default Scan Settings

Use the following sections to understand the scan settings available for scanner profiles. To learn how to create a new profile, see page [45](#).

Data Processing Settings

Use the Data Processing Settings to specify how barcode data is processed by the computer.

Data Processing Settings

Setting	Description	Default										
Wedge	Enable or Disable the scan wedge feature.	Enabled										
Wedge Method	Specify wedge method: Standard or Keyboard.	Standard										
Charset	Select the character set to use when interpreting the barcode data into a string.	ISO-8859-1										
Prefix	Defines the string added before the decoded barcode data. Substitutions occur within the Prefix string values. <table><tr><th>Substring</th><th>Replacement Character Code</th></tr><tr><td>\r</td><td>13</td></tr><tr><td>\n</td><td>10</td></tr><tr><td>\t</td><td>9</td></tr><tr><td>\\</td><td>'\'</td></tr></table>	Substring	Replacement Character Code	\r	13	\n	10	\t	9	\\	'\'	None
Substring	Replacement Character Code											
\r	13											
\n	10											
\t	9											
\\	'\'											

Setting	Description	Default										
Suffix	Defines the string added after the decoded barcode data. Substitutions occur within the Suffix string values.	None										
	<table><tr><th>Substring</th><th>Replacement Character Code</th></tr><tr><td>\r</td><td>13</td></tr><tr><td>\n</td><td>10</td></tr><tr><td>\t</td><td>9</td></tr><tr><td>\\</td><td>'\'</td></tr></table>		Substring	Replacement Character Code	\r	13	\n	10	\t	9	\\	'\'
	Substring		Replacement Character Code									
	\r		13									
	\n		10									
	\t		9									
\\	'\'											
Wedge as Keys	List of character values to wedge as keys, represented as a comma-separated list of decimal values.	9,10,13										
Data Editing Plugin	Specify a Total Freedom data editing plug-in and edit plug-in settings.	None										
Symbology Prefix	Specify a symbology identifier prefix to the barcode data. Options include: - None - Honeywell - AIM	None										
Launch Browser	Enable or disable URL barcode handling. If a barcode starts with http:// or https://, the browser opens using the barcode data as a URL. Corresponds to BarcodeReader property: PROPERTY_DATA_PROCESSOR_LAUNCH-BROWSER	Enabled										
Scan to Intent	Enable or disable special handling of scan-to-intent barcodes. Applies to barcodes in one of the following formats: '//' ACTION '//' ACTION '\$' extra-data Where: ACTION and extra-data are any string of characters. Launches an application listening for the intent. Intent action: "com.honeywell.scantointent.intent.action." + ACTION Intent extra: "com.honeywell.scantointent.intent.extra.DATA" contains the remainder of the barcode data after the first '\$' character. Corresponds to BarcodeReader property: PROPERTY_DATA_PROCESSOR_SCAN_TO_INTENT	Enabled										
Launch EZ Config	Enable or disable special handling of EZConfig barcodes. Applies to EZConfig barcodes that are encoded with the Aztec symbology and contain specific header data. Corresponds to BarcodeReader property: PROPERTY_DATA_PROCESSOR_LAUNCH_EZ_CONFIG	Enabled										

Setting	Description	Default
Data Intent	Enables the reception and processing of barcode data without using an SDK or library.	Disabled

Symbology Settings

Use the Symbology Settings to enable or disable barcode symbologies for the selected scan setting profile.

- Tap the check box next to a symbology name to enable (check mark) or disable (no check mark) decoding for that symbology.
- Tap the symbology name to view and modify additional configuration parameters for the symbology selected.

To view a list of default settings for supported symbologies, see [page 100](#).

Decode Settings

Adjust the Decode Settings when scanning barcodes that are densely packed or poor quality.

Decode Settings

Setting	Description	Default
Center Decode	When enabled, the imager scans and decodes a barcode only if part of the barcode is at the center of the aimer window. This is useful in situations where several barcodes may be very close together in the imager field-of-view. • Tap the check box to toggle the feature on or off. • Select Center Decode to adjust the Window dimensions. Honeywell recommends leaving the settings at 50 (default) to define the “center” area for the barcode. Configurable parameters: • Window top • Window bottom • Window left • Window right	Disabled
Decode Security	Use this setting to control the reading tolerance of the decoder. Lower settings are more lenient when reading low quality barcodes while higher values are more strict.	2
Decoder timeout	Set the amount of time in milliseconds that the scanner will timeout if a readable barcode is not found.	150
Decode Filter	Decode filter script and Debug level.	none
Poor Quality 1D Reading	Enable this setting when scanning damaged or badly printed 1-D barcodes to improve barcode read success.	Disabled

Setting	Description	Default
Video Mode	Use this setting to specify whether normal or inverse decoding for linear symbologies is enabled during the execution of Decode. By default normal video is enabled. Options include: • Normal • Inverse • Normal and Inverse	Normal
DPM mode	Use this setting when scanning Direct Part Marking (DPM) barcodes that are etched or imprinted directly into the surfaces of materials including metal and plastic. Options include: • No DPM optimization • Dotpeen DPM decoding • Reflective DPM decoding	No DPM optimization
Region of Interest	Set the ROI for decoding. Options include: • Disable ROI is disabled and the entire original image is sent to the decoder. • Standard Use the aimer position to weight activity. Activity calculated on the row and the column in the middle of each cell. The ROI window may not include the aimer. • Standard, aimer centered Activity calculated on the row and the column in the middle of each cell. The ROI window will always include the aimer. • DPM, aimer centered Activity calculated on 4 rows and 2 columns in each cell. The ROI window will always include the aimer. • Kiosk/presentation application Ignore aimer position, no weight activity. Activity calculated on the row and the column in the middle of each cell. The ROI window may not include the aimer. • Learning Engine When selected, the computer will receive continuous updates to improve the decoder software based on your specific environment. The Staging Hub Agent must also be enabled.	Disabled
Image Binning	Enable internal binning of the image to decrease the average decode time. When the setting is enabled, the decoder will bin every 2x2 area in the image.	Disabled

Setting	Description	Default
Multicode Scan	When you enable Multicode Scan, each barcode is checked to see whether it satisfies the defined multicode rules before the results are transmitted. Options include: • Enable or disable multicode scanning. • Set the number of barcodes. • Specify a separator to be used between barcodes. • Define up to 10 barcodes to be included in the multicode. • Set a timeout in milliseconds. If set with a non-zero value, the timeout starts after the scan button is pressed. Once the timeout occurs, scanning will return to standard (single) barcode mode. • Enable or disable the transmission of an incomplete multicode. When enabled, the incomplete multicode is transmitted when the incomplete transmission timeout expires. • Set a timeout in milliseconds to use when incomplete transmission is enabled. If set with a non-zero value, the timeout starts after the scan button is pressed. Once the timeout occurs, the results that were collected before the timeout happened will be transmitted if they satisfy the defined multicode rules.	Disabled
Preferred Symbology Settings	Use this setting to establish which barcode has priority if more than one barcode appears on the same label. • Tap the check box to toggle the feature on or off. • Select Preferred Symbology Settings to adjust the feature parameters. Options include: • Preferred Timeout (ms) The length of time the scanner will ignore a low priority barcode while it searches for a high priority barcode. If a high priority symbology is located during this period, then that data is read immediately. If the time-out period expires before a high priority symbology is read, the scanner will read any barcode in its view. The default is 500ms. • Symbology Set the priority level (High or Low) for symbology codes. This is used when you want to specify one symbology as a higher priority over other symbologies in situations where both barcode symbologies appear on the same label, but the lower priority symbology cannot be disabled. If a code is set as a High Priority, the decode of that symbology is accepted immediately. If a code is set as a Low Priority, the decode is buffered to see if a decode of a preferred High Priority symbology can be found within a given timeout period.	Disabled
Fast Linear Decode	Enable the Fast Linear Decoder to accelerate decoding of well-printed 1D barcodes.	Enabled
GS1 Digital Link Conversion	Converts GS1 Digital Link Codes from web URI syntax to traditional GS1 element string syntax.	Disabled

Imager Settings

You should not need to modify the Imager Settings. The **Override Recommended Values** setting is disabled by default. The recommended Imager Settings are designed to work in a wide range of environments and should only be modified if you have an advanced understanding of imagers.

Trigger Settings

Use the Trigger Settings to configure how the scan buttons work.

Trigger Settings

Setting	Description	Default
Enable Scan Trigger	Enable or Disable activating the imager by pressing the side scan buttons or the virtual Scan button in the Scan Demo app.	Enabled
Scan delay	Set the minimum amount of time in seconds before the scanner can read another barcode.	0
Decode timeout	Set the number of seconds before the scanner automatically turns off if the scan button is pressed and nothing has successfully decoded.	20
Trigger Scan Mode	Set read behavior on scan button press. Options available: • One Shot • Continuous • Read on release • Read on second trigger press	One Shot
Presentation Mode	Presentation Mode uses ambient light and scanner illumination to detect barcodes. When in Presentation Mode, the LEDs remain dim until a barcode is presented to the scanner, then the aimer turns on and the LEDs turn up to read the code. If the light level in the room is not high enough, Presentation Mode may not work properly.	Disabled
Same symbol timeout	Set the minimum buffer time in seconds before the scanner reads the same barcode. This can be adjusted to prevent inadvertent scans of the same barcode if the code is left in the scan field longer than the Decode Timeout limit. The default same symbol timeout is 1000 seconds.	Disabled

Notification Settings

Use the Notification Settings to configure how your computer responds when you scan a barcode.

Notification Settings

Setting	Description	Default
Good Read Notification	Enables or disables a good read notification. The notification consists of a green blink of the Scan Status LED, a short beep, and an optional short vibration.	Enabled

Setting	Description	Default
Good Read Notification File	Use the default notification sound for a good read or specify an audio file to use instead.	Default Sound
Bad Read Notification	Enables or disables notification of a failed scan. The notification consists of a red blink of the Scan Status LED, an error beep, and an optional short vibration.	Disabled
Vibrate On Notification	Enables or disables whether the computer vibrates when there is a good or bad read.	Disabled
Vibrate Duration	When Vibrate On Notification is enabled, sets the length of the vibration in microseconds.	100

Add a Scan Setting Profile

To create a scan setting profile for a custom app on the computer:

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Honeywell Settings** > **Scanning** > **Internal Scanner**.
3. Tap  in the upper right corner of the app screen.
4. Take one of the following actions:
 - Tap the **Profile name** field. Add a new name, and then select **OK**.

OR

 - Tap the **select an application** option, and then choose an app from the list.

The new profile appears on the Internal Scanner profile list. You can now select and modify the scan settings for the new profile.

Delete a Scan Setting Profile

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Honeywell Settings** > **Scanning** > **Internal Scanner**.
3. Tap and hold the profile you want to delete.
4. Select **Delete**, and then **OK**.

About the Optional Digital Scan Button

By default, the imager is enabled for scanning with the left, right, and front scan buttons configured to trigger the imager. If your application environment requires use of an on-screen scan button, enable the **Digital Scan Button** feature in the **Honeywell Settings** app. Once enabled, you can then modify the appearance of the on-screen Scan button and select the apps the button appears in.

Enable and Configure the Digital Scan Button

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Honeywell Settings** > **Digital Scan Button**.
3. Tap **Enable Digital Scan Button** to turn the feature on. A preview of the button appears at the bottom of the screen.
4. Configure the button appearance. As you adjust the settings, the preview button updates.
 - Tap **Select Button Size**, and then choose Small, Medium or Large.
 - Tap **Select Button Color** and then choose from seven color options. Default color is black. Tap a dot to select the color, and then select **OK** to confirm.
 - Use the slider under **Transparency Level** to adjust how transparent the button appears on the application screen.
5. Drag the preview button to the location where you want it to appear on the screen. Once you have positioned the button, select the **Set Button Location** toggle button to lock it into position.
6. Tap **Choose Application**.
7. Check the box next to all the applications where you want the digital scan button to be available.
8. Select **OK**.
9. Tap **Back** to return to the Settings screen.

The digital scan button appears on the screen when you open any of the apps you selected during the button setup. Tap and hold the button to activate the imager and scan a barcode.

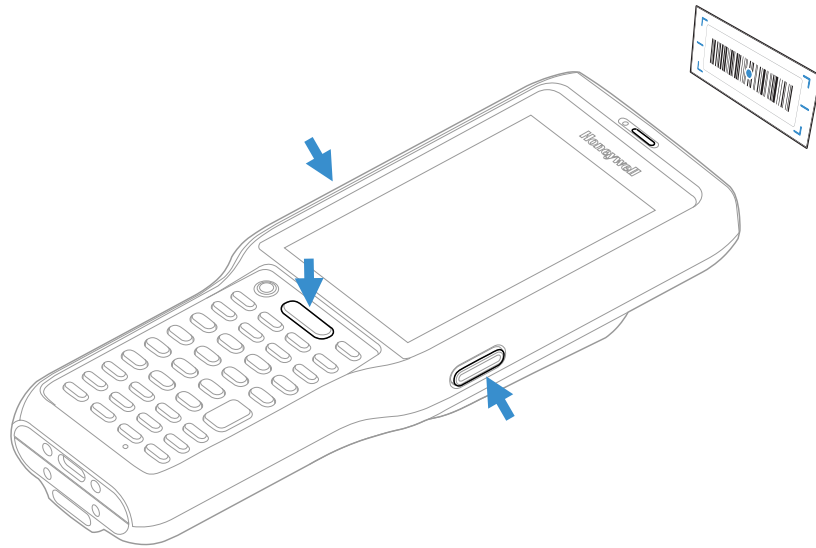
Scan Barcodes

By default, the computer imager is enabled for scanning. It supports omni-directional (360°) barcode scanning, and an aiming beam is provided to help assist with targeting barcodes.

Before you start scanning barcodes, go into **Settings** > **Honeywell Settings** > **Scanning** > **Internal Scanner** and modify the scan profile to enable only the barcode symbologies that you need. By reducing the active symbology list, you can increase scan speed.

1. Point the scanner window at the barcode. For optimum performance, avoid reflections by scanning the barcode at a slight angle.
2. Press and hold any **Scan** button (i.e., right, left, or front).

3. Center the aiming beam over the barcode. Make sure the entire barcode is inside the illumination frame.



4. Release the Scan button when the computer beeps, and the Scan Status LED briefly turns on. The barcode information is entered into the application in use.

Note: Not all barcode symbologies are enabled by default. If a barcode does not scan, the correct symbology may not be enabled.

About Scanning Configuration Barcodes

After completing the out-of-box set up process, Provisioning mode is automatically turned off. Scanning a barcode to install applications, certificates, configuration files, and licenses on the computer is restricted unless you turn on (enable) Provisioning mode in the **Honeywell Settings** app.

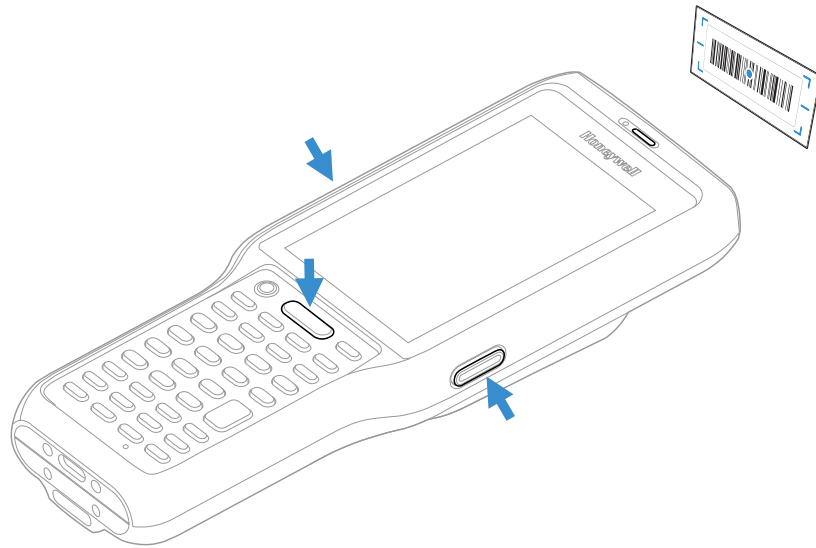
To learn more [About Provisioning Mode](#), see [page 88](#).

Use the Scan Demo App

Use the Scan Demo app to read barcodes or to test your symbology decode settings.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Demos**.
3. Swipe left or right on the screen until **Scan Demo** appears under the turntable. Tap the center of the box image to open the app.
4. Point the scanner window at the barcode.
5. Press and hold any **Scan** button (i.e., right, left, or front) or tap and hold the on-screen **Scan** button.

6. Center the aiming beam over the barcode. Make sure the entire barcode is inside the illumination frame.



7. Release the **Scan** button when the computer beeps, and the Scan Status LED briefly turns on. Barcode information appears on the screen.

Note: In the Scan Demo app, not all barcode symbologies are enabled by default. If a barcode does not scan, the correct symbology may not be enabled.

Change the Scan Demo Symbology Settings

1. In the Scan Demo app, tap **:** in the upper right corner of the screen.
2. Select **Symbology Settings**.
3. Modify the symbology parameters.
 - Tap the check box next to a symbology name to enable (check mark) or disable (no check mark) decoding for that symbology.
 - Tap the symbology name to view and modify additional configuration parameters for the symbology selected.
4. Tap **Back** to return to the **Scan Demo** app.

Smart OCR

Honeywell mobile computers with supported image engines can use Smart OCR (Optical Character Recognition) to scan text using the imager on the computer.

Enable Smart OCR

To perform OCR operations, the OCR wedge must be enabled. When the OCR wedge is disabled, the mobile computer will only perform barcode scanning.

Note: Devices that support Smart OCR will be released with a 60-day trial license. A license is required to use the Smart OCR function beyond the 60-day trial. If no license exists for Smart OCR, the OCR Settings menu option will not be displayed. Contact a Honeywell representative for licensing information.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings** > **Honeywell Settings** > **Scanning**.
3. Tap **Internal Scanner** > **Default profile**.
4. Tap **OCR Settings**.
5. Tap **Enable OCR**.

After the OCR wedge is enabled, tapping the OCR Settings menu option will display the OCR Settings screen.

OCR Settings

The OCR Settings screen has two tabs:

- OCR Settings - Define the Smart OCR settings.
- Result Regex - Apply regular expressions (regex) to filter and refine the scan results.

OCR Settings Options

The following options are available on the OCR Settings tab.

Setting	Description	Default
Enable OCR Wedge	Turn the OCR wedge on or off.	Disabled
Sound Mode	Choose when a notification sound will be played for an OCR scan.	Sound after decode
OCR Exclusive	When this setting is enabled, the scanner will only decode the OCR text and not decode the normal barcode.	Disabled
Result String Mode	Sets whether the device will capture the image in a block or line. • Block - The device will capture the whole picture from the scanner and process all of the data in it. • Line - The device will only take one line of text as a character string to process the result.	Line

Setting	Description	Default
Single Result	Determines if the device will wedge one result or multiple results. - Enabled - Only one result will wedge. - Disabled and Result String Mode is "Line" - A pop-up will be displayed with all results captured from scanning. The user must select the results to use. If the user does not select any results, the scan operation will dismiss after 20 seconds.	Enabled
Scan Window Size	Sets the size of the scanning capture area to Small, Medium, or Large. A larger scan window captures a larger area when doing OCR, but the scan will be slower and not as accurate.	Medium
Scan Window Type	Sets the shape of the scanning capture area to Rectangle (for long lines of text) or Square (for blocks of text).	Rectangle
Flip the image	Sets how the captured image will be flipped before being sent to OCR. - None (not flipped) - Vertical Flip - Horizontal Flip	None
Redundancy Count	Redundancy adjusts the number of times a scan result is decoded before wedge out, which may reduce the number of errors. Note that the higher the redundancy count, the longer it will take to decode.	1
Create Shortcut	Adds a shortcut to Smart OCR on the home screen. If the shortcut was created by default or the shortcut has previously been added from this menu, the Create Shortcut menu item will not be displayed.	

Result Regex

The Result Regex tab contains regex (regular expression) templates to quickly pick up or filter the required data from all the scanned OCR results. You can also create custom regex as needed to refine your results.

If any scanned data matches the selected pattern, it will show in the result. When no regex are applied, all data formats are accepted.

By default this tab will list all the available regex with none selected. To apply a regex, select the check box.

Embedded Regex

Name	Regex Pattern	Example
Packaging/Shipping Form	<code>^([0-9]{7}M*) ([0-9]{4}-[0-9]{5}-[0-9]{6}) ([0-9]{1,2}/[0-9]{1,2}/(?:\d{2}){1,2}) ([0-9]{1,3}O{2,}) ([0-9]{1,}\$</code>	- PO number: 2249154 0048601M 7000-40021-0140300 - Quantity: 1.00 25 - Date: 3/19/2021 11/25/21
Pure Number	<code>^[0-9,-]*M*\$</code>	6901M2.85 9M9-1219
Telephone Number	<code>d{3}-d{8} d{4}-d{7}</code>	258-14547846 9697-4578989
Mobile Phone Number	<code>1[0-9]{10}</code>	15845414789
Pure Letters	<code>^[A-Za-z]+\$</code>	fhghlflAskIZRshgWQRQ
Number and Letters	<code>^[A-Za-z0-9]+\$</code>	Fhgh789lflA456sklZRshgW97QRQ
Postcode	<code>[1-9]d{5}(?!d)</code>	215000
IP Address	<code>d+.d+.d+.d+</code>	192.168.1.1 456.4547.454.1548

Add Custom Regex

In addition to the regex that are embedded in the app, you can create custom expressions to refine scanning results and improve accuracy. Smart OCR uses standard regex expressions and formatting (i.e., ^, ., \$, { }, etc.).

To add a regex:

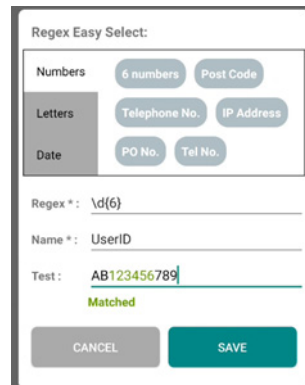
1. With the Result Regex tab selected, tap the plus sign.
2. In the Regex field, enter the expression.
To make entering an expression easier, the app provides Regex Easy Select options with commonly used formats. Select the Numbers, Letters, or Date tab then tap the item you want to use. The code is added to the Regex line. You can use this code as it appears or modify it based on your need.

The app verifies that the regex is valid. If it is not, an error message is displayed. An invalid expression cannot be saved.

3. Enter a Name for the expression. The Name cannot be used by another expression.

4. On the Test line, enter characters that you would expect to match the Regex. The app checks if the regex matches the string. Matching characters are shown in green, and the word “Matched” is displayed if the string matches the regex.

In this example, the Regex looks for six consecutive numbers. The letters and extra numbers will be filtered out of the result. The Test field shows what matches the Regex.



5. Tap the **SAVE** button. The app validates that the Regex and Name are valid. If not, an error message is displayed.
6. When the regex is saved successfully, it will appear in the Result Regex list. By default, a custom regex is selected when you create it. Uncheck the box to deselect the expression.

A custom regex displays the information icon: .

View or Edit Custom Regex

For a custom regex, you can view and edit the expression and name.

Note: You cannot view or edit details for embedded regex. See [Result Regex](#) for the patterns in embedded expressions.

1. On the Result Regex tab, tap the information icon for the regex.
2. Edit the Regex as required.
3. Edit the name as required.
4. Tap **SAVE** to record the changes.

Delete Custom Regex

1. On the Result Regex tab, tap the information icon for the regex.
2. Tap **DELETE**.
3. On the pop-up window, tap **CONFIRMED**.

Sequence Regex

By default, the **Sequence Regex** setting is disabled. The selected regex are combined with “OR” logic, and the app checks if a character string matches any of the selected expressions, so a candidate would be considered a match if it met the criteria of regex1 OR regex2 OR regex3.

When **Sequence Regex** is enabled, the scan will pick up the character string matched as regex with one regex item for one string.

The following examples would return matches if the character strings match the regex in any order:

String1 matches regex1

String2 matches regex2

String3 matches regex3

Or

String1 matches regex2

String2 matches regex3

String3 matches regex1

Note: **Single Result** must be disabled for multiple outputs.

Results will be returned in the order they match the regex.

Results in Order

To only return results that match the order of the regex, select **Results in Order**. When this is selected, regex are applied in the order they are listed on the Result Regex tab. To change the regex order, hold and drag the heading to the desired location in the list.

When Results in Order is enabled, the character strings must be in the same order as the regex items, or no result will be returned.

For example, the result will be recognized if:

String1 matches regex1

String2 matches regex2

String3 matches regex3

The following order would not be recognized:

String1 matches regex1

String3 matches regex3

String2 matches regex2

For better results with multiple outputs, go to **Settings > Honeywell Settings > Scanning > Internal Scanner > Default profile > Data Processing Settings** and set the value of **Suffix** to “\n”.

Regex Results

The following table shows how results are returned based on which settings are enabled.

Options Selected	Results
Regex selected Sequence Regex not enabled	Results are returned in the order they are matched. Changing the order of the regex does not affect the result.
Sequence Regex enabled	Results are returned in the order of the regex.
Sequence Regex and Results in Order enabled	Results are returned in the order of the regex. Regex order must be in the same order as the character strings in the scanned image. If the orders are different, no results will be returned.

Deploy OCR Settings with EZConfig

EZConfig can be used to export Smart OCR settings to install the same configuration on other mobile devices using the Datacollectionservice.xml file.

1. Tap **Settings > Honeywell Settings > Provisioning Mode** and turn Provisioning Mode on.
2. Swipe up to select all apps and select **Power Tools**.
3. Tap **EZConfig**.
4. Tap the three bars menu then tap **Generator**.
5. EZConfig generates Datacollectionservice.xml in the following location:
Internal Storage/Honeywell/EZconfig/generated/ folder

Use one of these options to deploy the settings to another device:

- Copy the Datacollectionservice.xml file to the device in the Internal Storage/Honeywell/persist folder. Reboot the device to apply the settings.
- Use the EZConfig editor on your PC to create a configuration barcode that can be scanned to apply the settings.

Refer to the *Honeywell Power Tools User Guide* available for download at automation.honeywell.com for more information on using EZConfig.

Scan Text Using Smart OCR

When scanning using Smart OCR, the recommended scanning distance is 6 to 30 centimeters.

1. Point the imager window at the text. For optimum performance, avoid reflections by scanning the barcode at a slight angle.
2. Press and hold any **Scan** button.
3. Center the aiming beam over the text.
4. Release the **Scan** button when the computer beeps, and the Good Read LED briefly turns on.
5. If Single Result is Disabled and Result String Mode is “Line”, select the results to use from the pop-up. If you do not select any results, the scan operation will dismiss after 20 seconds.

The scanned text is entered into the application in use.

USE THE PHONE

You can use the phone feature to make and receive phone calls as well as transmit data through wireless wide-area networks (WWANs).

Note: Phone features are only supported on CK62 WWAN models (CK62X10).

About the Phone

Phone features on the computer include a speaker and a microphone. You can also use a Bluetooth headset or hands-free kit.

On CK62X10 WWAN models, the phone feature is enabled by default and supports cellular radio access technologies for voice and data connections around the globe. These features are certified by PTCRB, GCF, and all major US carriers.

After you turn on the phone and activate service with your wireless carrier, you can customize the phone features and network settings in the Network & internet section of the **Settings** app.

Note: WWAN radios support Network Information and Time Zone (NITZ) messages to automatically set the system time.

Activate the Phone

WWAN models use either a nano-SIM card or embedded SIM (eSIM) to activate the phone and connect to a mobile network. Available SIM options are model and mobile carrier dependent. Contact your mobile service provider to obtain a nano-SIM card or QR code or for additional details on phone network activation.

Available configurations:

- CK62 WWAN models include one nano-SIM card socket and eSIM.

Dual SIM Dual Standby Mode

The nano-SIM and eSIM can be provisioned with either the same or different mobile carriers. When both SIMs are provisioned, the CK62 operates in Dual SIM Dual Standby (DSDS) mode. In this mode, both SIMs can connect to the selected mobile network. For example, you can have two phone lines on your mobile computer where one is your business number and one is your personal number. You can also choose which SIM to use for specific actions, such as calls or messaging. These actions are defined in **Settings > Network & internet > Mobile network**.

Provision eSIM

To connect to a mobile network using embedded SIM, the eSIM must be provisioned by downloading and enabling an operational profile. CK62 mobile computers use the eSIM Toolkit app to download carrier profiles into the eSIM chip and manage the downloaded profiles.

Devices are enrolled by scanning a QR code. You can also manually enter a code provided by the carrier. Contact your mobile carrier to obtain the QR code and any other information required to activate the profile.

Note: *Multiple profiles can be downloaded to the eSIM, but only one profile can be active.*

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap the **eSIM Toolkit** app.
3. Download the profile by scanning or entering a QR code:
 - a. If you have a QR code from the carrier, tap **Scan Download**. Scan the QR code by keeping the code centered in the box.
 - b. If you do not have the QR code to scan but have an activation code from your provider, tap the **Input QR Code** text box. Enter the code in the text box then tap **Input Download**.
4. A prompt indicates that the download was successful.
5. Tap the **LUI** button.
The profile is shown under Enabled carriers.

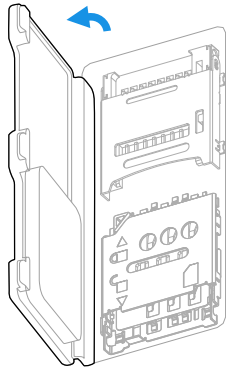
The Access Point Name (APN) for most global mobile operators is integrated in the eSIM firmware. If the APN for your carrier is not integrated, you will need to manually enter the APN settings in **Settings > Network & internet > Mobile plan**.

Provision nano-SIM Card

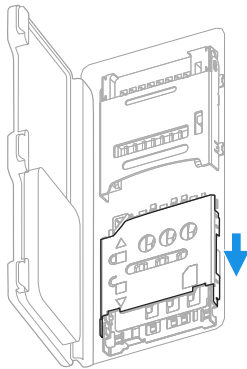
Note: *On CK62 WWAN models with an eSIM, you do not need to install a nano-SIM card unless you want a dual carrier setup.*

1. Press and hold the **Power** button until the options menu appears.
2. Tap **Power Off**.

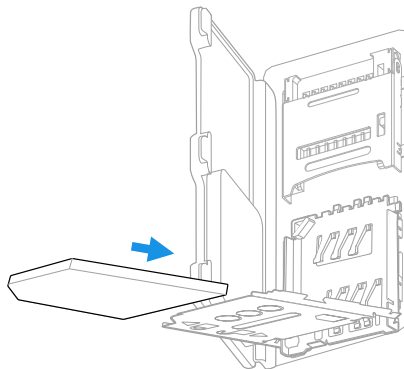
3. Remove the battery from the computer. Refer to [page 9](#).
4. Lift up the edge of the SIM card access door.



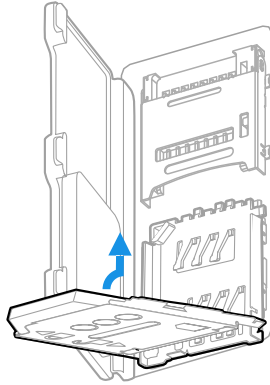
5. Press down gently and slide the card holder into the unlocked position. Lift the edge of the card holder up.



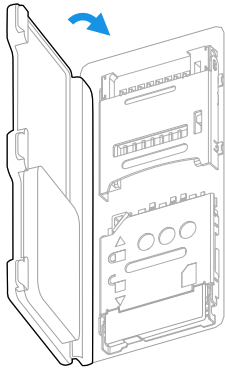
6. Insert the card in the holder with the contacts facing out.



7. Close the holder with the card installed. Press down gently on the holder and slide it into the locked position.



8. Close the SIM card access door.



9. Install the battery, Refer to [page 8](#).

Make a Phone Call

Once the phone is activated, you can make a phone call.

1. Tap  in the favorites tray to open the phone app.
2. Use one of the methods below to enter the telephone number you want to call.
 - Tap  and use the on-screen dialer.
 - Select a person on your saved contact list .
 - Select a favorite on your speed dial list .
 - Select a number from the recent calls list .
3. Tap call .
4. To end the call, tap .

Answer the Phone

When you receive a phone call, the Incoming Call screen opens. If the caller telephone number is available, it appears on the screen. Depending on your calling plan, you may also see a Caller ID information. All incoming calls are recorded in the Call log. If you miss a call, you receive a notification.

1. On the Incoming Call screen, tap and hold the white call icon.
2. Three icons appear:
 - To answer the call, drag the icon to .
 - To send the caller directly to voice mail, drag the icon to .
 - To send a text message back to the caller instead of answering, drag the icon to .

Switch Apps During a Phone Call

You can multitask while a phone call is in progress. For example, you can use the Calendar app to check your schedule during a call.

Note: Depending on your WWAN connection and carrier, apps that need a data connection may be unable to access online data while the phone call is in progress. If simultaneous phone calls and data connections are not possible due to provider limitations, voice calls receive priority. Check with your provider for more information.

1. During a phone call the screen goes dark. Take the phone away from your ear to wake the screen. Tap the **Home** button.
2. Select another app (e.g., Calendar, Contacts). The phone icon appears in the status bar at the top of the screen while the call is connected.
3. To return to the call screen, swipe down from the top of the screen and select ongoing call notification, or select **Hang up** if you want to end the call.

Make an Emergency Phone Call

You can use the phone to make an emergency phone call even if the SIM card is missing from your phone. The phone shows no service but the call still goes through if you dial certain emergency numbers (e.g., 112, 911, 000, 08, 118, 119, and 999).

To call an emergency number or open the dial pad without unlocking the device (i.e., entering the PIN), press and hold the Power button and tap Emergency. If you enter a non-emergency number, a message will indicate that you cannot call the number.

Configure Phone Settings

You can customize settings for the phone, including the ringtone, voicemail options, keypad tones, Internet call settings, and other options.

1. Open the phone app .
2. Tap  next to the microphone icon at the top of the screen.
3. Select **Settings**. The Call settings menu appears.
4. Change phone settings as necessary.

Note: Available settings vary depending on your cellular carrier and phone plan.

USE THE CAMERA

Use this chapter to learn how to take pictures and record videos with the color camera.

About the Color Camera

The CK62 comes equipped with a 16-megapixel color camera, HD 1080p video with image stabilization, and advanced software features for enhanced exposure control for taking pictures and videos. The camera lens and flash are located on the back of the computer.

Use the Photos app  to view photos and videos stored on the CK62.

By default the photos and videos captured with the Camera app are saved on the computer under Internal shared storage\DCIM\Camera.

How to Zoom

The camera zoom is controlled using a pinching motion on the touch screen. Place two fingers on the screen at the same time, and then:

- spread them apart to zoom in (enlarge and object).
- pinch them together to zoom out.

Take a Photo

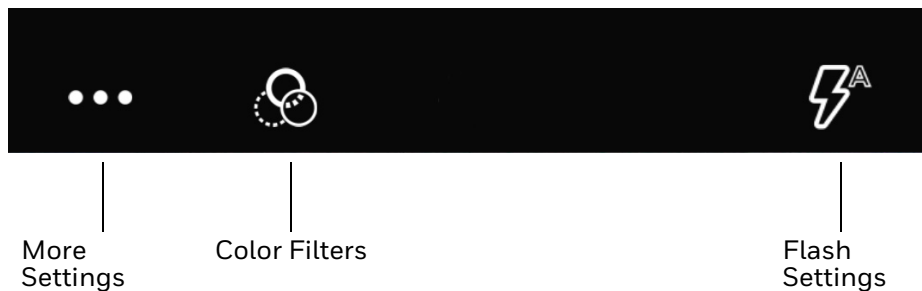
1. Tap the **Camera** icon  in the favorites tray on the Home screen.
2. Using the screen as a viewfinder, move the computer until you see the image you want to capture. The camera lens is located on the back of the computer.
3. The camera automatically adjusts the focus but you can tap the screen to modify the focal point. By default, the camera senses the lighting in the environment and turns the flash on, if needed.

4. Tap  to take a photo.
 - To view the picture, tap the preview near the bottom of the screen.
 - To return to the Camera app, tap the **Back** navigation button.

Change Camera Settings

You can change the camera settings for best results when taking pictures. The camera settings are adjustable from within the Snapdragon™ Camera app.

1. Open the **Camera** app .
2. At the top of the screen, select any of the following to adjust the settings.



- **More Settings**
Select to access Automatic Mode and Advanced settings.

Automatic or ProMode
Use Automatic mode to have the camera automatically adjust the settings and focus for you.

Advanced Settings
Select the gear  to access settings that allow you to modify the camera setting defaults and to configure how the camera app functions (i.e., General, Still camera, Video camera, System).
- **Color Filters**
Stylize your pictures by applying a filter. Options include: None, Mono, Sepia, Negative, Solarize, Posterize, and Aqua.
- **Flash Setting**
Select to adjust the camera flash setting (e.g., automatic, no flash or always flash).

Record a Video

This section explains how to record video with the camera in the computer.

1. Tap the **Camera** icon  in the favorites tray.
2. Tap mode selection  in the bottom right corner of the app.
3. Tap  to select video and to begin recording video. To zoom in or out, pinch or spread your fingers apart.
4. When you are done recording, tap .

Change Video Settings

You can change the video settings for best results when recording video.

1. Open the **Camera** app .
2. Tap  to select video.
3. At the top of the screen, select any of the following to adjust the settings.



Sound/
Microphone

Flash
Settings

- **Sound/Microphone**
Tap to quickly toggle sound recording on or off.
- **Flash Settings**
Select to adjust the video flash setting.

Use the Camera as a Flashlight

To use the camera as a flashlight.

1. Open Quick Settings (see page [29](#)).
2. Tap the **Flashlight** icon to toggle the flashlight on or off.

CONFIGURE THE COMPUTER

Use this chapter to learn about the available methods for configuring your mobile computer. You can also use this chapter to learn how to configure network communications and wireless security.

How to Configure the Computer

You can configure many parameters on the computer such as the barcode symbologies the integrated scanner decodes, or the network settings. The values you set for these parameters determine how the computer operates.

You configure the computer using the **Settings** app.

Start the Settings App

The Settings app is available from the all apps menu and the notification panel.

- Swipe up from the bottom of the Home screen to access all apps, and then tap Settings .

OR

- Swipe down from the top of the Home screen, and then select  in the status bar.

About the Structure of the Settings App

Use this section to learn about the structure of the Settings app so you can find parameters quickly.

Note: *The Settings app varies by computer model and OS version. Your computer may not include all the features outlined in this section.*

Network & internet

In the Settings app, select **Network & internet** to access the following settings.

Setting	Description
Internet	• Turn Wi-Fi radio on or off. • Lists available Wi-Fi networks in range and the connection status when the radio is turned on. • Add a network Wi-Fi connection and view saved networks. • Tap Network preferences to turn on Wi-Fi automatically, notify for public networks, install certificates, use Wi-Fi Direct, and access Honeywell Wi-Fi settings.
SIMs (WWAN models)	Modify mobile network settings, including enabling data access and roaming over mobile networks, selecting access points and network operators, or selecting only 2G networks (to save battery life). • View data use information. • Turn Mobile data on or off. • Turn Roaming on or off. • View app data usage. • Set up a data warning and limit. • VoLTE • Preferred network type • Wi-Fi calling • System select • CDMA subscription (i.e, RUIM/SIM, NV) • Automatically select network • Choose network • Access Point Names and selection • User Controlled PLMN
Airplane mode	Turn Airplane mode on or off. Note: When Airplane mode is turned on, phone and Wi-Fi services are turned off. To use Wi-Fi while in Airplane mode, select Internet then choose a Wi-Fi network.
Hotspot & tethering	• Enable or disable Bluetooth tethering or USB tethering for sharing mobile data connections. • Enable or Disable using the computer as a portable Wi-Fi hotspot. • Configure Wi-Fi hotspot.
Data Saver	Turn the Data saver feature on or off. Specify which apps can use unrestricted data.
VPN	Set the password parameters for a virtual private network (VPN) connection.
Mobile plan	Provides information on your cell phone plan.
Private DNS	Select Private DNS Mode.

Connected devices

In the Settings app, select **Connected devices** to view current, connected devices and to access the following settings.

Setting	Description
USB	- Specify whether USB communication is controlled by your device or the connected device. - Select the type of communication: - File Transfer - USB tethering - MIDI - PTP - No data transfer - Set up file transfer options when File Transfer or PTP is enabled. Note: This setting only appears when the unit is connected via USB.
Pair new device	- Connect to a Bluetooth Device. - Lists Bluetooth enabled devices in range. - View and rename the computer. - View the computer Bluetooth address.
Saved devices	View previously connected devices. Note: This setting only appears once the computer has been paired with another device.
Connection Preferences	
Bluetooth	- Turn the Bluetooth radio on or off. - Lists Bluetooth enabled devices in range when the radio is turned on. - Connect to a Bluetooth Device. - View and rename the computer. - View the computer Bluetooth address.
Cast	Set up a Cast connection. Cast (project) audio and screen content to a secondary device such as a television.
Printing	Set up a printer connection with the computer.
Files received via Bluetooth	View statistics and received files.
Chromebook	Set up connection from the computer to a Chromebook.
Nearby Share/ Quick Share	Set up file sharing with nearby devices. The device location setting needs to be turned on for Bluetooth and Wi-Fi radios to detect nearby devices.
Android Auto	Use apps on your car screen.

Apps

In the Settings app, select **Apps** to access the following settings.

Setting	Description
Apps info	View a list of all apps installed on the computer and system services running.

Setting	Description
Default apps	View and manage default app use.
Screen time	- Shows Screen time, Notifications received, Times opened. - Allows to set app timer.
Unused apps	View and manage apps that are unused for over three months.
App battery usage	Set battery usage for apps.
Special app access	Manage apps with special unrestricted access.

Notifications

In the Settings app, select **Notifications** to access the following settings.

Setting	Description
Manage	
App notifications	Manage notifications from apps.
Notification history	Turn notification history on or off. View recent and snoozed notifications.
Conversation	
Conversations	View conversations marked as a priority.
Bubbles	Allow conversations to appear as floating icons on top of other apps.
Privacy	
Device & app notifications	Control which apps and devices can read notifications.
Notifications on lock screen	Manage how notifications appear on the lock screen.
General	
Do Not Disturb	Turn on to prevent notifications from appearing. Manage which notifications can appear when Do Not Disturb is on.
Flash notifications	Flash the camera light or the screen when you receive notifications or when alarms sound.
Wireless emergency alerts	Manage emergency alert notifications.
Hide silent notifications in status bar	Turn on to prevent silent notifications from appearing in the status bar. Silent notifications are notifications that do not use a visual or audible alert.
Allow notification snoozing	Turn on to enable the ability to snooze a notification by tapping the alarm clock icon at the bottom of a notification.
Notification dot on app icon	Turn on to display a notification dot on an app icon when the app generates a notification.
Blink light	Turn on to enable the notification LED to blink for notifications.
Enhanced notifications	Turn on to organize notifications and enable notifications to provide suggested actions and replies.

Battery

In the Settings app, select **Battery** to view battery status, use statistics and adjust features that conserve battery charge.

Setting	Description
Battery	View current battery charge or charging status. - Last Full charge. - Screen usage since full charge.
Battery usage	View battery usage from last full charge.
Battery Saver	Turn the Battery saver feature on or off and set when the feature automatically activates. Adjust the slider to save battery. When the battery charge is from 5% to 75%.
Battery percentage	Set to show or do not show battery percentage in status bar.

Storage

In the Settings app, select **Storage** to view statistics on available and used storage space on the device and on any portable storage cards installed.

Sound & vibration

In the **Settings** app, select **Sound & vibration** to modify the audio and sound settings. To learn more, see [Audio Settings](#) on page 20.

Display

In the Settings app, select **Display** to access the following settings.

Setting	Description
Brightness	
Brightness level	Set the Brightness level manually if Adaptive brightness feature is turned off.
Lock Displays	
Lock screen	Set what can be displayed on the screen when the device is locked
Screen timeout	- Set the inactivity limit before the unit automatically turns off the screen to save battery power (seconds or minutes). - Turn Screen Attention on or off. When Screen Attention is turned on, the screen will not turn off if a user is looking at it.
Keypad backlight	
Backlight	Set the keypad backlight on or off.
Backlight timeout	Set the amount of time for the backlight to time out.
Appearance	
Dark theme	Enable dark mode to switch app backgrounds to a dark color

Setting	Description
Display size and text	- Adjust Font size - Adjust Display size - Turn Bold text on or off - Turn High contrast text on or off - Reset settings - Tap to reset display size and text to the device's default settings.
Color	
Night Light	Activate the Night light feature to adjust the screen tint to a light amber for easier viewing and reading in dim light or for the hours you use the device before going to sleep. Set the feature to stay on or define a schedule to automatically turn the feature on/off. You can manually adjust the intensity of the amber hue once the feature is activated.
Colors	Adjust the screen color settings (e.g., Natural, Boosted, Adaptive).
Other display controls	
Auto-rotate screen	Set the screen to switch from portrait to landscape when the unit is rotated. When off the screen does not automatically rotate.
Screen Saver	Set the default screen saver as well as when to display it. Tap Settings to select screen saver style or to turn Night mode on.

Wallpaper

In the Settings app, select **Wallpaper** to manage background images on the Home and lock screens.

Accessibility

In the Settings app, select **Accessibility** to access screen readers, display settings, interaction controls, and audio & on-screen text features to improve accessibility levels.

Setting	Description
Screen reader	
TalkBack	When turned on, the feature provides spoken feedback so you can use the computer without always looking at the screen. TalkBack describes your actions and tells you about alerts and notifications.
Display	
Select to Speak	When turned on, you can tap specific items on the screen to hear them read aloud.
Display size and text	Configure display features that may aid visual accessibility levels. - Adjust Font size - Adjust Display size - Turn Bold text on or off - Turn High contrast text on or off

Setting	Description
Color and motion	Configure color and motion features that may aid visual accessibility levels. • Enable and manage Color correction options. • Enable and manage Color inversion options. • Turn Dark theme on or off. • Remove animations. • Turn Large mouse pointer on or off.
Extra dim	Turn on to dim the screen beyond the minimum brightness level.
Magnification	Manage options to quickly zoom the screen to make content larger.
Interaction controls	
Accessibility Menu	Turn the Accessibility Menu button on or off. The Accessibility Menu is a large on-screen menu you can use to control your device. Use the Accessibility shortcuts setting to select Accessibility menu options.
Switch Access	Use a switch or keyboard to control your device.
Timing controls	Manage timing options for actions. • Adjust the Touch & hold delay. • Time to take action (Accessibility timeout). • Set the Autoclick delay (dwell timing) to automatically click after the pointer stops moving.
System controls	Set interaction controls that may aid physical accessibility levels. • Set System navigation (Gesture navigation or 3-button navigation). • Turn the Power button ends call feature on or off. • Turn Auto-rotate screen on or off.
Vibration & haptics	Enable and manage vibration and haptics features. • Turn Vibration and haptics on or off • Turn Ring vibration on or off. • Turn Notification and Alarm vibration on or off. • Turn Touch feedback on or off. • Turn Media vibration on or off.
Captions	
Live Caption	Turn the Use Live Caption feature on or off and manage options for live captioning.
Caption preferences	Turn the Show captions feature on or off and manage options for captions.
Audio	
Audio description	Turn on to hear a description of the action during supported movies and shows.
Flash notifications	Flash the camera light or the screen when you receive notifications or when alarms sound.
Hearing devices	Pair a hearing device with the computer.
Audio adjustment	Manage audio options. • Turn Mono audio on or off. • Set Audio balance if using headphones or hearing aids.

Setting	Description
General	
Accessibility shortcuts	Manage the accessibility button, which provides a shortcut for accessibility options from any screen.
Text-to-speech output	Select and configure the preferred TTS, language, speech rate, and pitch of synthesized voice.

Security & Privacy

In the Settings app, select **Security & Privacy** to define privacy settings for the device.

Setting	Description
App security	Indicates if Play Protect scanning is on.
Device unlock	Activate and configure a screen lock (i.e., None, Swipe, Pattern, Pin, and Password).
Account security	Add a Google account to enable the Google Security Checkup feature.
Device finders	Use the Google Find My Device app to locate a lost device. A Google account is required.
System & updates	Check for security updates, system updates, and backup the device data. A Google account is required.
Privacy	Manage security and privacy settings. • Permission manager • Privacy dashboard • Ads • Health Connect • Data sharing updates for location • Camera access • Microphone access • Show clipboard access • Show passwords • Location access • Activity controls
Other settings	

Setting	Description
More security & privacy	Manage additional security and privacy settings. • Notifications on lock screen • Show media on lock screen • App content • Android System Intelligence • Autofill service from Google • Usage & diagnostics • Extend unlock • Device admin apps • Encryption & credentials • Trust agents • App pinning • Confirm SIM deletion

Location

In the Settings app, select **Location** to define which apps have access to the device's location.

Setting	Description
Use Location	Turn location services (Google and GPS satellite data) on or off. Set location mode accuracy and view location request history.
App location permissions	View and manage app-level location service permissions.
Location services	
Earthquake alerts	Receive notifications and information about earthquakes in your area. Available only in supported regions.
Emergency Location Service	Allows the device to automatically send its location to emergency locations.
Google Location Accuracy	Improves location accuracy by using Wi-Fi, mobile networks, and sensors to help estimate the device location.
Google Location History	Allows the device to report Location History to Google. A Google account must be associated with the device to use this feature.
Google Location Sharing	Allows the device to share its location with anyone in the contacts list.
Wi-Fi scanning	Turn Wi-Fi scanning on or off. When enabled, system apps and services are allowed to detect Wi-Fi networks at any time to improve location services.
Bluetooth scanning	Turn Bluetooth scanning on or off. When enabled, system apps and services are allowed to detect Bluetooth devices at any time to improve location services.

Safety & emergency

In the Settings app, select **Safety & emergency** to manage options for sending and receiving information in an emergency.

Setting	Description
Open Personal Safety	Opens the Personal Safety app to manage options for sending and receiving information in an emergency.
Medical information	Enter medical information to aid first responders in an emergency.
Emergency contacts	Enter contact information to aid first responders in an emergency.
Emergency SOS	When turned on, you can press the Power button five times to call for help or sound an alarm.
Car Crash Detection	Allows the device to detect if the user has been in a car crash or serious accident and gives the option to call emergency services.
Crisis alerts	Receive notifications about natural disasters and public emergencies in your area.
Emergency Location Service	Allows the device to automatically send its location to emergency locations.
Earthquake alerts	Provides an alert when an earthquake is detected nearby. For supported regions only.
Unknown tracker alerts	Provides an alert if your device detects an unknown tracker traveling with you.
Wireless emergency alerts	Manage emergency alert notifications.

Honeywell Settings

In the Settings app, select **Honeywell Settings** to access the following settings.

Setting	Description
Battery LED	Configures the battery LED behavior. To learn more see, see Change the Battery Status LED Behavior on page 12.
Digital Scan Button	Enable and configure the optional digital scan button. To learn more, see About the Optional Digital Scan Button on page 45.
Glove mode	Enable or disable Glove mode . Glove mode enhances touch screen response.
Honeywell Power Setting	Turn Unattended Mode on/off. When Unattended Mode is on, healthcare apps will continue to notify clinicians of critical communication, even though the unit appears to be in sleep mode.
HXLogger	The HXLogger is an advanced diagnostic log service that provides a basic log service, plug-ins for modified log services, and a log manager. • Tap HXLogger to turn the basic log service on or off. When enabled the service records app and system diagnostic troubleshooting information into four basic log files: main log file, radio log, event log, and kernel log. • Tap Plugin to view and enable additional log services and custom plug-ins. • Tap Manager, to change the default log path, delete logs, or upload logs for technical support troubleshooting.

Setting	Description
Key WakeUp	Set the buttons you want to use to wake the computer from sleep mode. Options include: Left Scan, Middle Scan, Right Scan, Volume Up, Volume Down. By default the Left, Middle and Right Scan buttons are enabled for wake up.
Keyremap	Change (remap) a button or key function. To learn more, see Remap a Button or Key on page 27.
Provisioning Mode	Enable or disable unrestricted installation of applications, certificates, configuration files, and licenses. Provisioning mode is turned off by default. To learn more About Provisioning Mode , see page 88.
Scanning	Configure the computer imager. To learn more, see Change the Scanner Settings on page 38.
Smart Sensor	Configures the integrated motion detection sensors for advanced power management. Options include: Keep awake on motion, Wake on motion, Face down suspend.
Staging Hub Agent	Use the agent and settings to connect the computer to the Honeywell Staging Hub Foundation software platform; a centralized software platform IT integrators and administrators can use as a solution for managing, monitoring, and deploying Honeywell devices in a connected workspace environment.
Web Applications	Enables access for the Honeywell Mobility SDK for Web apps and lets you set a port.
Wi-Fi Staging	Use the Honeywell Wi-Fi Staging app to quickly set up new devices by configuring one device and using it to stage others. Wi-Fi Staging can also be used to enroll devices in a Mobile Device Management (MDM) system by connecting units to a specified network and downloading and installing the specified MDM client app. To learn more, see page 88.

Passwords & accounts

In the Settings app, select **Passwords & accounts** to access the following settings.

Setting	Description
Passwords	Manage saved passwords.
Autofill service	Manage password management services.
Add account	Select to add and manage Corporate or Email account on the computer.
Automatically sync app data	Turn auto-sync on or off for accounts. Turning the feature on allows apps to refresh data automatically.

Digital Wellbeing & parental controls

In the Settings app, select Digital Wellbeing & parental controls to access Digital Wellbeing tools and parental controls. For more information, see <https://wellbeing.google/>.

Google

In the Settings app, select Google to set up and manage your Google accounts and services.

System

In the Settings app, select **System** to access the following settings.

Setting	Description
Languages	- Set the preferred language for the computer and specific apps, as well as regional preferences. - Set text-to-speech output.
Keyboard	- Set and manage On-screen and Physical Keyboard input methods. - Configure auto-typing features such as capitalization, punctuation, spell check, and the personal dictionary. - Adjust the pointer speed.
Gestures	- Turn Quickly open camera on or off. - Manage the Navigation mode. - Set the Prevent ringing option. Options: Vibrate.
Date & time	Configure all date and time settings, see page 31 .
Scheduled power on and off	Set a schedule to power the computer on and off.
Backup	Turn the Google Drive backup feature on or off. When enabled, phone data (e.g., apps, apps data, call history, contacts, device settings, SMS, Wi-Fi passwords and permissions) is automatically backed up to the Google Drive.
Multiple Users	- Modify the owner profile name and add profiles for other people who use the computer. - Activate a different user profile. - Enable or disable allowing users to be added from the lock screen.
Reset Options	Select from the following reset options: - Reset Mobile Network Settings. Use to reset all mobile network settings. - Reset Bluetooth & Wi-Fi. Use to reset Wi-Fi and Bluetooth settings. - Reset app preferences. Use to reset app preference back to defaults. This includes apps you disabled, notification changes, default app actions set, background data restrictions for apps and permission restrictions. - Enterprise data reset. To learn more, see About an Enterprise Data Reset on page 96. - Erase all data (factory reset). To learn more, see About Erase All Data (Factory Reset) on page 97.
Developer options	Enable developer-specific options such as USB debugging and SD card protection. This option only appears under System settings if you enable the feature. To learn more, see Unlock Developer Options on page 34.

About Phone

In the Settings app, select **About phone** to access the following information.

Setting	Description
Basic info	
Device name	A nickname to identify the device. To change, tap Device name and enter a new name.

Setting	Description
Phone number*	The phone number(s) assigned to the device.
Legal & regulatory	
Legal information	Provides links to third-party licenses and other legal information.
Compliance information	Displays certification and compliance information.
Device details	
SIM status*	Displays information on the SIM card in the device that can be used for diagnostic purposes.
Model	Displays the model number, serial number, and hardware version of the device.
IMEI*	Displays the International Mobile Equipment Identify number.
Android version	The version of Android on the device. Tap to view additional details.
Device identifiers	
IP address	IP address associated with the device.
Wi-Fi MAC address	Wi-Fi Mac address associated with the device.
Bluetooth address	Bluetooth address associated with the device.
Up time	Displays the amount of time the device has been on without restarting
Software component version	Select to view software component version list.
Build number	Kernel number installed.
* If your WWAN model supports a dual SIM card setup, both sim slot 1 and sim slot 2 will be listed.	

About Network Communications

You can easily add the mobile computer to your wireless or wired data collection network. Connect the CK62 to your computer using:

- 802.11 a/b/g/n/ac/ax radio communications.
- Bluetooth communications.
- USB and serial communications.

Connect to a Wi-Fi Network

The computer contains an 802.11 a/b/g/n/ac/ax radio to transfer data using wireless communications. Before you connect to a Wi-Fi network, you need to know about your network security protocol and its required credentials.

By default, the 802.11 radio is disabled.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Network & internet** > **Internet**.

3. Toggle Wi-Fi to on. A list of discovered networks appears.
4. On the list, tap a network name to initiate a connection.

To add a network if it does not appear on the list:

- a. Navigate to the end of the discovered network list, and then tap **Add network**.
 - b. Type the Wi-Fi network name (SSID).
 - c. Choose a security protocol and add any required information.
 - d. Tap **Save**.
5. Enter any required information if the network is secured (e.g., password, key or certificate name).
 6. Tap **Connect**.

Once you connect to a saved Wi-Fi network:

- Tap the network name on the list to view details (e.g., status, signal strength, speed, frequency, security type).
- The computer automatically connects to the same network when the network is in range and the Wi-Fi radio is turned on.
- To remove a network from your saved list, tap the network to view details then tap **Forget**. You can do this for networks you no longer use.
- To view a list of only your saved networks, tap **Saved networks**.

Configure Proxy Settings for a Wi-Fi Network

If you need to connect to network resources through a proxy server, you can configure settings for the proxy server for each Wi-Fi network you add. By default, the Wi-Fi networks you add are not configured to connect through a proxy server.

Note: Proxy settings apply only to the Wi-Fi network you modify. You must change proxy settings for each network requiring a proxy server.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Network & internet** > **Internet**. The list of available Wi-Fi networks appears.
3. Tap a network to view details.
4. Tap **Advanced options**.
5. Under **Proxy**, select **Manual**.
6. Enter the proxy settings for the network.
7. Tap **Save**.

Disable Wi-Fi Notifications

By default, when Wi-Fi is enabled, you receive notifications in the Status bar when the computer discovers a wireless network. You can disable these notifications.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap Settings  > **Network & internet** > **Internet**. Verify the WLAN radio is turned on.
3. Navigate to the bottom of the discovered network list.
4. Select **Network preferences**.
5. Tap **Notify for public networks** to toggle the setting on or off.

Fix Connectivity

If you have connectivity issues, you can try to resolve the issue by resetting the Internet connection. The Fix Connectivity function restarts the Wi-Fi subsystem and radio modem. Saved Wi-Fi networks are not erased by this action.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Network & internet** > **Internet**.
3. Tap .
The Wi-Fi subsystem restarts and the radio modem resets.

Honeywell Wi-Fi Settings

To access Wi-Fi preference settings for advanced configuration of the wireless 802.11 radio in the mobile computer:

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Network & internet** > **Internet**.
3. Tap **Network preferences**.
4. Tap **Honeywell Wi-Fi Settings**.
5. Tap a setting to enable or disable the option or to access additional parameters that configure the Wi-Fi radio.

How to Connect to Virtual Private Networks

The computer supports connecting to virtual private networks (VPNs). This section describes how to add and connect to VPNs. To configure VPN access, you must obtain details from your network administrator. You can view and change VPN settings in the Settings app.

Note: Before you can add or connect to a VPN network, you must enable a screen lock method.

Add a VPN

Before you can connect to a VPN, you must create a VPN profile.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Network & internet** > **Advanced** > **VPN**.
3. Tap **+** to add a new VPN profile.
4. Enter the required information for the VPN connection. If needed, swipe up on the screen to access all the required information fields.
5. Tap **Save**. The VPN name appears in the VPN list.

Connect to a VPN

Once a VPN profile is created, you can connect to the VPN at any time.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Network & internet** > **Advanced** > **VPN**.
3. Type the name of the VPN in the list.
4. Enter any necessary credentials when prompted.
5. Tap **Connect**.
A  appears in the status bar and a notification is received.
To disconnect from the VPN, tap the notification.

Edit VPN Information

Editing an existing VPN profile can be done from the VPN screen.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Network & internet** > **Advanced** > **VPN**.
3. Tap and hold the name of the VPN in the list.
4. Tap  to the right of the VPN profile you want to edit.

5. Edit the VPN settings as necessary.
6. When you are done, tap **Save**.

About Wireless Security

The computer provides these security solutions for your wireless network:

- Wi-Fi Protected Access 3 (WPA3™)
- Wi-Fi Protected Access (WPA)
- 802.1x

Honeywell recommends WPA3 security with PSK (Personal) or 802.1x (Enterprise) key management.

Before you set security, you need to enable the radio, set the date, and set the SSID on your computer. To use 802.1x security, you need to load a root certificate on your computer. To use transport layer security (TLS) with 802.1x security, you also need to load a user certificate.

Use the Settings app to access and configure all wireless security settings.

About Certificates

You can use digital certificates to identify the computer for network access or authentication to servers. To use a certificate to identify your device, you must install it in the trusted credential storage on the computer.

Android supports DER-encoded X.509 certificates saved in files with a .crt or .cer file extension. To install a valid certificate with a .der or other extension, you must change the extension to .crt or .cer to install it.

Android also supports X.509 certificates saved in PKCS#12 key store files with a .p12 or .pfx extension. To install a valid key store file with another extension, you must change the extension to .p12 or .pfx to install it. When you install a certificate from a PKCS#12 key store, Android also installs any accompanying private key or certificate authority certificates.

Load a Certificate

To use a certificate, you must install it in the trusted credential storage on the computer.

Note: Apps such as email and browsers that support certificates allow you to install certificates directly from within the app. For more information, see the help that comes with the app.

1. Copy the certificate or key store from your PC to the mobile computer.
2. Swipe up from the bottom of the Home screen to access all apps.

3. Tap **Settings**  > **Security & privacy** > **More security & privacy** > **Encryption & credentials**.
4. Tap **Install a certificate**.
5. Select **CA certificate**, **VPN & app user certificate**, or **Wi-Fi certificate**.
6. Navigate to the location where you saved the certificate or key store.
7. Tap the certificate or key store to install it. If prompted, enter the key store password and tap **OK**.
8. Select **VPN and apps** or **Wi-Fi**.
9. Enter a name for the certificate and tap **OK**.

Disable or Remove Certificates

If a user or system certificate is compromised, or your organization chooses not to trust it, you can disable or remove the certificate.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Security & privacy** > **More security & privacy** > **Encryption & credentials**.
3. Tap **Trusted credentials**.
The **Trusted credentials** screen has two tabs:
 - **System** shows Certificate Authorities (CA) certificates permanently installed on the computer. They can only be disabled.
 - **User** shows CA certificates you have installed yourself. You can remove these certificates.
4. Tap the name of the certificate to you want to disable or remove. The Security certificate screen appears.
5. Scroll to the bottom of the screen and tap **Disable** (for System certificates) or **Remove** (for User certificates).
6. Tap **OK**.

Note: You can enable a disabled System certificate but if you remove a User certificate, you must install it again to enable it.

About Bluetooth Communications

Your mobile computer is equipped to communicate with other devices using Bluetooth technology. The Bluetooth radio must be turned on to discover, pair and connect to other Bluetooth devices. System bar icons indicate Bluetooth radio status.

Connect a Bluetooth Device

To connect to a Bluetooth device, you must turn on the Bluetooth radio and then select the device from a list of discovered devices.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Connected devices**.
3. Tap **+ Pair new device**. A list of Bluetooth devices appears.
4. Select a device on the list to initiate a pairing request.
5. When the pairing request message appears:
 - Verify the pairing PIN is the same on both devices, and then tap **Pair**.

OR

- If the pairing request requires a PIN, enter the **PIN** and then tap **Pair**.

When the device is successfully paired with the computer, the device name appears under **Saved devices**.

6. (Optional) Once paired to a device, you can connect manually to the device. Tap the device under Saved devices. The word “Connecting” appears under the paired device name. When a connection is established, the device appears under Other Devices.

Note: To disconnect a paired device, tap  next to the name of the paired device and then tap **Forget**.

Rename the Computer and View File History

You can change the name of the computer to make it easier to identify when pairing with other Bluetooth enabled devices and view statistics about received files.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Connected devices** > **Connection preferences** > **Bluetooth**.
3. Tap **Device Name** to change the device name. Type the new name and then tap **Rename**.

Rename or Unpair a Paired Device

You can rename a paired device to make it easier to identify it on the list or unpair the device to remove it from the paired list.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Connected devices** > **Saved devices** > **Bluetooth**.
3. Tap  next to the paired device.
4. Take one of the following actions:
 - To rename the device, tap the edit icon, type the new name, and then tap **Rename**.
 - To allow **Internet access** or **Contact and call history sharing**, tap the slider.
 - To unpair the device, tap **FORGET**.

About Serial and USB Communications

You can use these optional CK62 accessories to transmit data to and receive data from another device through serial or USB communications:

- Home Base

USB Troubleshooting

- If you have a problem with your workstation computer recognizing the USB device, try downloading and installing the Honeywell-aidc-usb-driver. The driver is part of the Honeywell_Mobility SDK_Android software.zip file. To learn where to get the software, see [Developer Information](#) on page 87.
- Check to make sure you have enabled the USB for file transfer. To learn more, see [Configure USB Connection and Transfer Files](#) on page 23.

How to Share Your Mobile Data Connection

You can share the mobile data connection through USB tethering or Bluetooth tethering. You can also use the computer as a Wi-Fi hotspot to share the connection with other devices.

Use Bluetooth or USB Tethering to Share a Data Connection

You can share your mobile computer data connection with another device through a USB tethering or Bluetooth tethering connection.

Minimum requirements for USB Tethering

- Mobile computer minimum operating system version of Android 9 or later.
- A compatible USB communication accessory and/or cable.

Set up and Connection

1. Connect the USB communication accessory to both devices.
2. On the mobile computer, tap **Settings**  > **Connected devices** > **USB**.
3. Select **USB tethering**, and then tap the back arrow twice.
4. Tap **Settings**  > **Network & internet** > **Hotspot & tethering**.
5. Select **USB tethering** to initiate the shared data connection.

Note: To stop sharing the connection, tap **USB tethering** again to turn off the feature or disconnect the USB accessory.

Minimum requirements for Bluetooth Tethering

- All devices must support Bluetooth communication.

Set up and Connection

1. Pair the CK62 with another Bluetooth enabled device.
2. Verify the other device is set to use a network connection using Bluetooth technology.
3. Swipe up from the bottom of the Home screen to access all apps.
4. Tap **Settings** > **Network & internet** > **Hotspot & tethering**.
5. Select **Bluetooth tethering** to initiate the shared data connection.

Note: To stop sharing the connection, tap **Bluetooth tethering** again to turn off the feature.

Developer Information

To download the Honeywell Mobility SDK for Android and EZConfig for Mobility:

1. Go to the *Technical Support Downloads Portal* link, honeywell.com/PSSsoftware-downloads.
2. Create an account if you have not already created one. You must login to download the software.
3. Install the *Honeywell Download Manager* tool on your workstation (e.g., laptop or desktop computer) prior to trying to download any files.
4. Navigate to the software:

- *Honeywell Mobility SDK for Android*
Click on **Software** > **Software and Tools** > **Developer Library** > **SDKs for Android**.
- *EZConfig for Mobility*
Click on **Software** > **Software and Tools** > **EZConfig for Mobility**.

5. Select **Download** next to the software zip file.

About Provisioning Mode

Once you complete the out-of-box initial setup process, Provisioning mode is automatically turned off to improve device security against unwanted modifications to the system.

When Provisioning mode is turned off (disabled):

- Configuration barcodes do not scan and process.
- \honeywell\autoinstall folders are inaccessible.

Note: To learn more about network and security for Honeywell mobile computers with Android operating systems, go to automation.honeywell.com.

Enable or Disable Provisioning Mode

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Honeywell Settings** > **Provisioning Mode**.
3. Tap the button to toggle the provisioning **On** or **Off**.

About Wi-Fi Staging

You can use the Honeywell Wi-Fi Staging app to quickly set up new devices by configuring one device and using it to stage others. Wi-Fi Staging can also be used to enroll devices in a Mobile Device Management (MDM) system by connecting units to a defined network and downloading and installing the MDM client app.

Once you have set up a configuration in the Wi-Fi Staging app on the server device, Wi-Fi staging uses that device as a hotspot and waits for a client connection. The configuration is distributed to the client device once communication is established between the client and the server device.

Staging Devices

Wi-Fi Staging requires two steps:

1. Set up a master device to act as a server (see next section).
2. Set up the client device (see [Set Up Client Devices](#) on page 91).

Set Up a Device as a Server

Wi-Fi Staging provides two kinds of configurations for a master device acting as a server through a hotspot. Setup of the server device differs based on the staging configuration chosen:

- **Basic Configs** include the most common system settings:
 - System language
 - Bluetooth and NFC
 - System volume
 - Location
 - Network
 - File download
 - Application installation or launch
- **Advanced Configs** allow you to stage your devices with .xml files

The hotspot on the server device will be named HONEYWELL_WIFI_STAGING.

Note: We recommend setting up the server before setting up clients. If the server is not created in advance, client setup requires more time and power to scan and search for the hotspot signal.

Note: To control bandwidth usage, the server side of Wi-Fi Staging has a maximum limitation of 10 concurrent client connections. If more than 10 client devices attempt to connect to the server device at the same time, staging of some of those clients will be delayed until client connections become available as the staging process progresses.

Basic Configuration

Basic configuration includes the most common system settings.

1. Tap **Settings**  > **Honeywell Settings** > **Wi-Fi Staging** to launch the Wi-Fi Staging app on the server device.
2. Tap **Basic Configs** to start the configuration wizard.
3. Select system languages. Tap **+** to add a language. At least one language must be selected. Tap **NEXT**.
4. Select connection preferences. Enable Bluetooth and/or NFC. They are disabled by default. Tap **NEXT**.
5. Select sound preferences. Adjust the default volume for each type of audio by dragging the slider, and then tap **NEXT**.

6. Enable the location switch. It is disabled by default. Tap **NEXT**.
7. Set up **Network & Internet** connection or tap **SKIP** to proceed to Step 9 if you do not want to set up a network connection.

You would need to set up a Network & Internet connection if you want to register devices to an MDM system or the devices being registered need to use applications that require network access.

If you want to set up devices to connect to a Wi-Fi access point, enter the network information:

- a. Tap **Wi-Fi Security** and select either **OPEN, WPA/WPA2, or WPA3**.
 - b. Enter the Wi-Fi SSID, and then tap **OK**. This field cannot be left empty.
 - c. Enter the Wi-Fi password. The password must be between 8 and 63 characters long. If you select WPA/WPA2 or WPA3, a password is required.
 - d. Tap **NEXT**.
8. The **Files & Apks** option only appears if you chose to set up Network & internet connections in step 7.

Enter the locations (URLs) of the **Files & Apks** that you want downloaded.

- The URL should end with the file that you want to download. Wi-Fi Staging names the downloaded file with the file name in the URL.
 - (Optional) You can include a file's hash in the file name. Wi-Fi Staging supports hash algorithms SH1 and SHA256.
 - For security, only Local Area Network URLs are supported. Wi-Fi Staging ignores URLs from Wide Area Networks.
 - Supported network protocols include HTTP or HTTPS.
 - APK files are installed silently and automatically after download.
9. **Final Setting:** Select whether you want to reboot the device after staging is complete. You can also specify an action (intent) to launch Android activities. Then tap **NEXT**.
 10. Review the items you have configured. If you need to change a setting, tap the Back button to return to the relevant screen.

Tap **Confirmed, start staging now!** to begin. Wi-Fi Staging starts a hotspot on the server device and waits for clients to connect.

11. Proceed to [Set Up Client Devices](#) on page 91.

Configurations are distributed to any client that connects to the server device. Once the data transmission finishes successfully, the name and serial number of the configured client is displayed in the Wi-Fi Staging app on the server device and the client device skips the Android setup wizard.

Note: *If you included a file's hash in Step 8, Wi-Fi Staging will validate that the hash of the file downloaded to a device matches what you specified. If the downloaded file's hash does not match, the file will be removed from the device.*

Advanced Configuration

Advanced configuration allows you to stage your devices with one or more .xml files created by EZConfig or Enterprise Provisioner. For more information about generating .xml files, see the *PowerTools User Guide* or *Enterprise Provisioner User Guide*.

Note: *Advanced Configuration supports .xml files only. Other file types are ignored.*

Note: *Do not change the default names of .xml files. For example, DeviceConfig.xml is acceptable, but DeviceConfig1.xml is not.*

1. Choose one device to act as the server.
2. Tap **Settings**  > **Honeywell Settings** > **Wi-Fi Staging** to launch Wi-Fi Staging on the server.
3. Tap **Advanced Configs**.
4. Tap **File directory**.
5. Specify where on the server device the .xml files to be downloaded are located.
6. Tap **NEXT**.
7. Choose the files to be applied. Tap **NEXT**.
8. Review the files you have selected. If you need to change any files, tap the Back button.

Otherwise, tap **Confirmed, start staging now!** to begin. Wi-Fi Staging starts a hotspot on the server device and waits for clients to connect.
9. Proceed to [Set Up Client Devices](#) on page 91.

Set Up Client Devices

The Wi-Fi Staging client runs automatically on the initial boot of a new device. However, it must be started manually on existing devices.

New Devices

This section applies to new, out-of-the box devices only. For existing devices, see [Existing Devices](#).

1. Set up a server device (see page 89).
2. Place the new devices to be configured within 1 meter (3 feet) of the server device and turn them on. When a new device boots up and begins the setup wizard, it attempts to retrieve configuration from the server device, and a staging progress screen appears.

Note: *Client devices should be kept on the Android Welcome or setup wizard screen during staging. If you finish the setup wizard manually, the client side of Wi-Fi Staging stops running.*

Configurations are distributed to any client that connects to the server device. Once data transmission finishes successfully, the name and serial number of the configured client appears in the Wi-Fi Staging app on the server device, and the client device skips the Android setup wizard.

Existing Devices

To start the Wi-Fi Staging client on an existing device:

1. Set up a server device (see page 89).
2. Tap **Settings**  > **Honeywell Settings** > **Wi-Fi Staging** to turn on the client device and launch the Wi-Fi Staging app.
3. Tap **To be staged**.
4. A message appears notifying you that the Wi-Fi settings on the client device will be reset as part of the staging process. Tap **OK** to confirm you wish to proceed. Staging begins and a progress screen appears.
5. Place the device within 1 meter (3 feet) of the server device and it begins searching the server hotspot for a configuration.

The client device(s) attempt to retrieve the configuration from the server device and displays the staging progress screen. Once the client device receives and applies the configuration successfully, the progress screen is dismissed.

Note: *To stop the staging process on an existing device, tap the Back button on the client device.*

Log Files

Wi-Fi Staging saves a key process and exception log on the device in the following directory: /Internal shared storage/honeywell/Android/data/com.honeywell.wifistaging/Log/

This directory can be accessed via a file browser on a workstation (e.g., laptop, desktop computer) through a USB file transfer connection with the mobile computer if Provisioning Mode is enabled.

MANAGE AND MAINTAIN THE COMPUTER

Use this chapter to understand how to upgrade software, reset, and maintain the computer.

About Software Updates

Cyber security best practices include keeping your device apps and OS up to date. To help, Honeywell offers maintenance patches, security updates and operating system upgrades through our Honeywell Edge services.

Availability and cost depend on the following:

- Date of purchase of the device or software app.
- Warranty status.
- Service agreement status (devices) or Maintenance plan status (apps).

To learn more about Honeywell Edge Services, go to automation.honeywell.com/us/en/services/productivity/support-services.



Honeywell recommends routinely checking honeywell.com/SPS-cyber-security for critical Cyber Security Notifications and to download the latest Network and Security Guides.

Software Downloads

Product support is available online through [Technical Support](#). Software updates can be accessed through the [Software Downloads](#) portal. You will need to create a login account for portal access. Additional information such as purchased date, service agreement number, maintenance plan number, or software license number may be required for downloads.

1. Go to honeywell.com/PSSsoftware-downloads.
2. Create a login account if you have not already created one.
3. Install the Honeywell Download Manager tool. See “Note” on the portal page. This tool is required for downloads.

4. Locate the app or upgrade you want to download in the Software directory.
5. If prompted, enter additional information, and click **Submit**.
6. Select **Download**. Follow the prompts to download the file.

About Transferring Files via USB Connection

If you plan on using a USB connection to transfer the upgrade files to the mobile computer, make sure you set the USB connection to allow file transfers. To learn more, see [Configure USB Connection and Transfer Files](#) on page 23.

Install Software with AutoInstall

Important: *The CK62 must have power for the entire length of the install process or it could become unstable. Do not attempt to remove the battery during the process.*

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Honeywell Settings** > **Provisioning Mode**.
3. Tap the toggle button to turn Provisioning mode **On**.
4. Save the upgrade file (*.zip or *.apk) in one of the following folders on the CK62 mobile computer:
 - **Internal shared storage\honeywell\autoinstall**
Software upgrades saved to this folder for installation, do not persist when a Full factory reset is performed.
 - **IPSM card\honeywell\autoinstall**
Software upgrades saved to this folder, do not persist when a full factory reset is performed.
5. Swipe up from the bottom of the Home screen to access all apps.
6. Tap **AutoInstall Settings**  and verify **Enable AutoInstall** is selected ☒.
7. Tap **Packages Update** from the AutoInstall Settings screen.

If required by the app, the computer may automatically initiate a reboot before starting the installation process. When the installation is finished, a message appears or the unit finishes rebooting and the lock screen appears.
8. Once installation is complete, turn Provisioning mode **Off**.

Note: *Some updates do not require the computer to reboot before installation.*

Optional microSD Card Method

The CK62 comes equipped with a microSD card socket. You can install an upgrade from a microSD card you insert in the computer.

Important: *The CK62 must have power for the entire length of the install process or it could become unstable. Do not attempt to remove the battery during the process.*

1. On the CK62, swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings**  > **Honeywell Settings** > **Provisioning Mode**.
3. Tap the toggle button to turn Provisioning mode **On**.
4. Tap **AutoInstall Settings** . Verify **Enable AutoInstall** is selected ☒.
5. Press and hold the **Power** button, and then tap **Power off**.
6. On your workstation (e.g., laptop, desktop computer), format the microSD card and create a **\honeywell\autoinstall** folder on the root of the card.
7. Save the upgrade file (*.zip or *.apk) file in the **autoinstall** folder.
8. Install the microSD card in the CK62, and then turn on the computer.

The computer automatically runs the upgrade found in the autoinstall folder on the card. The system update screen appears during the upgrade process. When the upgrade is finished, the lock screen appears.

9. Once installation is complete, turn Provisioning mode **Off**.

About the Honeywell Upgrader

Use the Honeywell Upgrader app (HUpgrader) to automatically search for and install Over-the-Air (OTA) operating system updates from a remote server. The app can also be used to manually initiate a search for OS updates, update the OS using a file downloaded to the mobile device, and downgrade the operating system to a previous version. Refer to the HUpgrader User Guide available at automation.honeywell.com for more information.

Reboot (Restart) the Computer

You may need to reboot the computer to correct conditions where an application stops responding to the system.

1. Save your files and close any open applications.
2. Press and hold the **Power** button until the options screen appears.
3. Tap **Restart**. The computer reboots.

If the touch panel display is unresponsive:

- Press and hold the **Power** button for approximately 8 seconds until the computer reboots.

About an Enterprise Data Reset

You can perform an Enterprise data reset if a Reboot did not improve the condition and all other troubleshooting methods have not resolved the issue. This method provides a clean configuration for troubleshooting by erasing all data from the Internal shared storage location on the computer. Data is not erased from the IPSM Card location.



Caution: An Enterprise data reset results in data loss. Only perform this procedure if all other recovery methods have failed. All personal content is erased, including, but not limited to emails, pictures, contacts, Google account information, system settings, and app settings.

Note: This method of recovery may not be available if your system administrator has set policies to prevent the reset use.

Before You Begin

- If you recently reset your Google Account password, wait 24 hours before performing a Enterprise data reset.
- Make sure you have your screen lock password, PIN or pattern if you activated one. You will need this to reset the computer.
- If you have a Google Account, back up your data and settings to your Google Account so you can restore them if needed.
- Connect the computer to an external power source or make sure you have a full battery charge.
- Make sure you have an Internet connection.

Enterprise Data Reset the Computer

1. Swipe up from the bottom of the Home screen to access all apps.
2. Select **Settings**  > **System** > **Reset options**.
3. Tap **Enterprise data reset**.
4. Tap **Erase all data**.
5. If prompted, type your screen lock security pattern, PIN, or password.
6. Tap **Erase all data**. A message appears informing you an Enterprise data reset is being performed.

About Erase All Data (Factory Reset)

A full Factory Reset should only be performed if you have exhausted all other troubleshooting options. This method reverts the computer back to the factory state by erasing all data in **Internal shared storage** and the **IPSM Card** storage locations on the computer.



Caution: A full Factory Reset results in data loss. Perform this procedure only if all other recovery methods have failed and have no other option. All personal content is erased including, but not limited to emails, pictures, contacts, Google account information, system settings and app settings.

Note: This method of recovery may not be available if your system administrator has set policies to prevent the reset use.

Before You Begin

- If you added a Google Account to the CK62 computer, make sure you have your Google username and password associated with the computer. If you do not have the username and password, you will not be able to use the computer after the reset. This is a security measure that prevents unauthorized users from using the device if they try a Full factory reset.
- If you did not add a Google Account to the computer, the extra security level is not enabled and you will not need a Google username and password.
- If you recently reset your Google Account password, wait 24 hours before performing a Full factory reset.
- Connect the computer to an external power source or make sure you have a full battery charge.
- Make sure you have an Internet connection.

Erase All Data (Factory Reset)

1. Swipe up from the bottom of the Home screen to access all apps.
2. Select **Settings**  > **System** > **Reset options**.
3. Tap **Erase all data (factory reset)**.
4. Tap **Reset Phone**.
5. If prompted, type your screen lock security pattern, PIN, or password and tap next ().
6. Tap **Erase Everything**. A message appears informing you an Full factory reset is being performed.

Maintenance

Your device provides reliable and efficient operation with a minimum of care. Although specific maintenance is not required, the following sections describe periodic checks to ensure dependable operation.

Clean the Computer

The computer housing, scanner window, camera window and touch screen may be cleaned with a soft cloth dampened with water or a mild detergent-water solution. If a mild detergent solution is used, wipe the computer with a clean cloth dampened only with water to remove any detergent residue.

Note: *Reading performance may degrade if the scanner window is not clean. If the window is visibly dirty, or if the scanner is not operating well, clean the window.*



Caution: Do not submerge the CK62 XP in water or cleaning solution.

Caution: Do not use abrasive wipes or cloths on the windows or touch screen. Abrasive wipes may scratch the windows and touch screen. Never use solvents (e.g., acetone) on the housing or window. Solvents may damage the computer finish, the windows or touch screen.

Caution: Ensure all components are dry prior to mating the computer with charging accessories or other peripheral devices. Mating wet components may cause damage not covered by the warranty.

Computer Agency Information

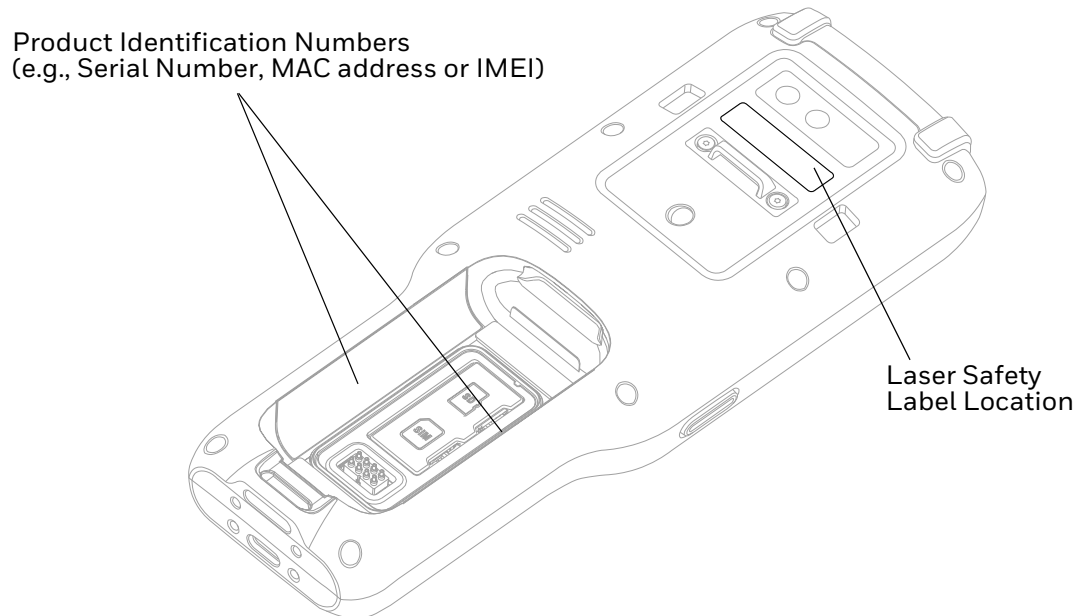
CK62 mobile computers meet or exceed the requirements of all applicable standards organizations for safe operation. The best way to ensure safe operation is to use the mobile computer according to the agency guidelines on the product regulatory sheet, quick start guide, battery insert and in this user guide. Read all guidelines before using your computer.

Product documentation is available for download from automation.honeywell.com.

Public certificates are available for download from honeywell.com/PSScompliance.

Label Locations

Labels inside the battery compartment contain information about the computer including, compliance information, model number, serial number and MAC address. Laser safety labeling is located on the back of the computer.



Physical and Environmental Specifications

1. Go to automation.honeywell.com.
2. Type CK62 in the Search box and then press **Enter**.
3. Click on the product link in the search results.
4. Select one of the following:
 - **Specifications**
View System Architecture, Wireless Connectivity, Mechanical, and Environmental specifications.
 - **Resources**
Download the Data Sheet, Accessory Guide, Quick Start Guide, User Guide, Regulatory Information, Battery Information and other product documentation.

Imager Specifications

The CK62 offers two Honeywell high-performance imager options:

- S0703-SR (Standard Range)
- S0803-XLR (FlexRange™ XLR)

Barcode Symbolologies Supported

The computer supports the following barcode symbolologies:

1D Symbolologies		2D Symbolologies		Postal Codes	
	Default		Default		Default
Codabar	Enabled	Aztec Code	Enabled	China Post	Disabled
Code 39	Enabled	Codablock A	Disabled	Korean Post	Disabled
Code 11	Disabled	Codablock F	Disabled	2D Postal Settings	Disabled
Code 93	Disabled	DataMatrix	Enabled		
Code 128	Enabled	DotCode	Disabled		
Composite	Disabled	Grid Matrix	Disabled		
EAN-8	Enabled	HanXin	Disabled		
EAN-13	Enabled	Maxicode	Disabled		
GS1-128	Enabled	Micro PDF 417	Disabled		
GS1 DataBar	Disabled	PDF 417	Enabled		
IATA 2 of 5	Disabled	QR Code	Enabled		
Standard 2 of 5	Disabled	OCR	Disabled		
Interleaved 2 of 5	Enabled	Digimarc	Disabled		
Matrix 2 of 5	Disabled	TLC 39	Disabled		
MSI	Disabled				
Telepen	Disabled				
Trioptic	Disabled				
UPC/EAN Settings	Enabled				
UPC-A	Enabled				
UPC-E	Enabled				

Note: To learn about changing the symbology settings, see [Change the Scanner Settings](#) on page 38.

S0703-SR Standard Imager Reading Distances

The depth of field measurements used the following parameters:

- Distances are measured from the front of the Imager.
- +23 °C (+73 °F), 0 lux for guaranteed, 200 lux for typical.
- Photographic quality codes

Note: Time to Read and Depth of Field are impacted if the barcode symbol is at the edge of the image.

Guaranteed Specs

Focus		Standard Range	
Symbology		Near Distance	Far Distance
5 mils Code 39	mm	79	270
	in.	3.11	10.63
10 mils Code 39	mm	40	425
	in.	1.57	16.73
20 mils Code 39	mm	44	674
	in.	1.73	26.53
13 mils 100% UPC-A	mm	44	493
	in.	1.73	19.41
15 mils Code 128	mm	42	572
	in.	1.65	22.52
10 mils Data Matrix	mm	83.1	236
	in.	3.27	9.29
5 mils PDF 417	mm	119	177.04
	in.	4.68	6.97
6.7 mils PDF 417	mm	96.01	236
	in.	3.78	9.29
15 mils QR	mm	39	390
	in.	1.54	15.35

Typical Specs

Focus		Standard Range	
Symbology		Near Distance	Far Distance
5 mils Code 39	mm	70	301
	in.	2.75	11.85
10 mils Code 39	mm	40	517
	in.	1.57	20.35
20 mils Code 39	mm	44	800
	in.	1.73	31.5
13 mils 100% UPC-A	mm	44	573
	in.	1.73	22.56
15 mils Code 128	mm	42	650
	in.	1.65	25.59
10 mils Data Matrix	mm	72	297
	in.	2.83	11.69
6.7 mils PDF 417	mm	84	244
	in.	3.31	9.61
15 mils QR	mm	39	414
	in.	1.54	16.30

- Beam divergence: Horizontal -41°, Vertical -26.5°
- Repetition rate: 16.8ms

S0703-SR Imager Field of View/Resolution

Focus	Standard Range (SR)
Horizontal Field Angle (degrees)	44 ± 2°
Vertical Field Angle (degrees)	28 ± 2°

DPI can be calculated based on the following formula:

Horizontal DPI = 1280 pixels/width of horizontal field of view (inches)

Vertical DPI = 800 pixels/width of vertical field of view (inches)

S0803-XLR FlexRange XLR Imager Reading Distances

The depth of field measurements used the following parameters:

- Distances are measured from the front of the Imager.
- +23 °C (+73 °F), 200 lux for guaranteed, 200 lux for typical.
- Photographic quality codes

Note: Time to Read and Depth of Field are impacted if the barcode symbol is at the edge of the image.

Guaranteed Specs

Focus		Standard Range	
Symbology		Near Distance	Far Distance
5 mils Code 39	mm	138	365
	in.	5.43	14.37
10 mils Data Matrix	mm	152	387
	in.	5.98	15.23
10 mils Code 128	mm	94	1491
	in.	3.70	58.70
13 mils UPC-A	mm	68	2000
	in.	2.68	78.74
20 mils Code 39	mm	63	5600
	in.	2.48	220.47
55 mils Code 39 ¹	mm	-	12500
	in.	-	492.13
100 mils Code 39 ^{1,2}	mm	-	20000
	in.	-	787.40
100 mils Data Matrix ¹	mm	-	6500
	in.	-	255.91
1 - Minimum distance depends on the length of the barcode			
2 - Typical code wide to narrow elemental ratio is 3:1. Minimum 100 mils code height of 3 inches.			

S0803-LR Imager Field of View/Resolution

Near Field Optical System

Focus	Standard Range (SR)
Horizontal Field Angle (degrees)	48°
Vertical Field Angle (degrees)	21°

DPI can be calculated based on the following formula:

Horizontal DPI = 1920 pixels/width of horizontal field of view (inches)

Vertical DPI = 800 pixels/width of vertical field of view (inches)

Far Field Optical System

Focus	Standard Range (SR)
Horizontal Field Angle (degrees)	13.7°
Vertical Field Angle (degrees)	7.6°

DPI can be calculated based on the following formula:

Horizontal DPI = 1920 pixels/width of horizontal field of view (inches)

Vertical DPI = 1080 pixels/width of vertical field of view (inches)

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