Honeywell

Dolphin™ 70e Black

powered by Android™ 4.0

Quick Start Guide

Out of the Box

Verify that your carton contains the following items:

- Dolphin 70e Black mobile computer (terminal)
- 1GB, 2GB, or 4GB industrial grade microSD™ card (pre-installed)
- Rechargeable 3.7V Li-ion battery
- USB charge/communication cable
- Power adapter with regional plug adapters
- Quick Start Guide
- Compliance Regulatory Sheet

If you ordered accessories for your terminal, verify that they are also included with the order. Be sure to keep the original packaging in case you need to return the Dolphin terminal for service.
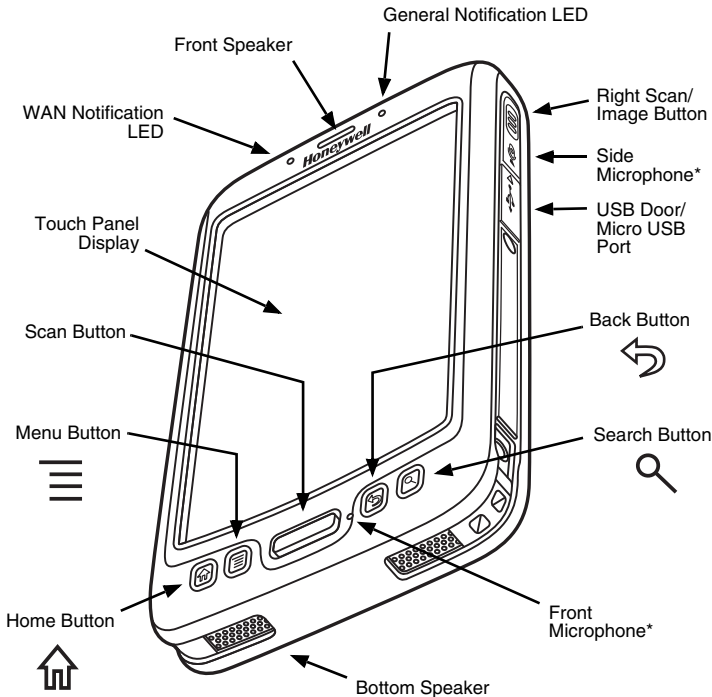
Note: Your Dolphin model may differ from the model illustrated in this guide; however, the features noted are standard for all Dolphin 70e Black models powered by Android™ unless otherwise indicated.

Memory Card Specifications

Applications on your Dolphin 70e Black terminal utilize the microSD card to store files and application data. Memory card use is recommended to avoid potential application errors or possible data loss.

Honeywell recommends the use of Single Level Cell (SLC) industrial grade microSD or microSDHC™ memory cards with Dolphin terminals for maximum performance and durability. Contact a Honeywell sales representative for additional information on qualified memory card options.
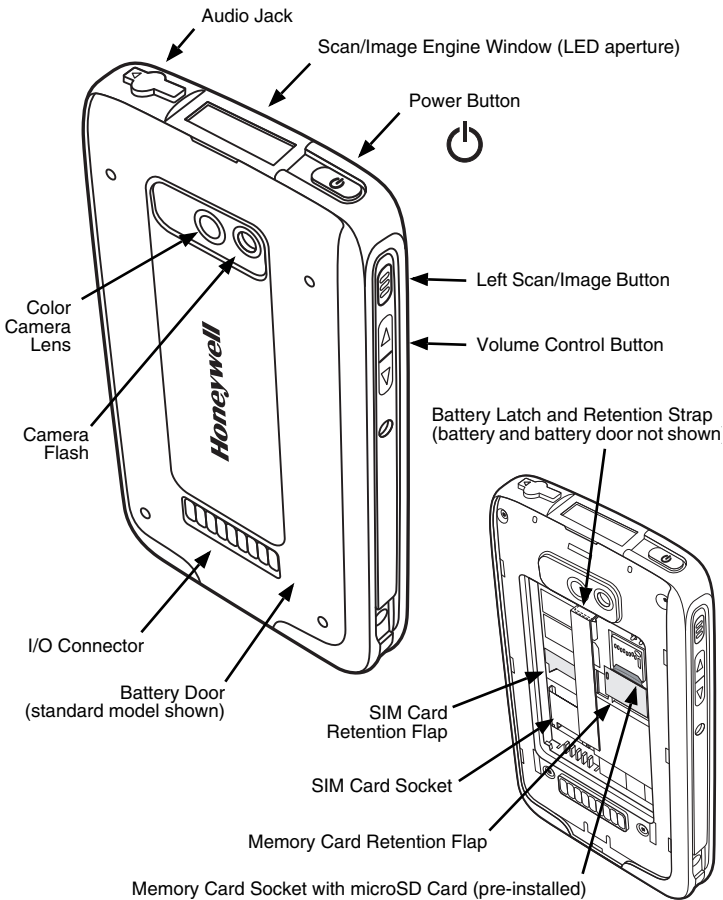
Getting to Know the Dolphin 70e Black

General Notification LED

Front Speaker

WAN Notification LED

Right Scan/ Image Button

Side Microphone*

USB Door/ Micro USB Port

Touch Panel Display

Back Button

Scan Button

Search Button

Menu Button

Home Button

Front Microphone*

Bottom Speaker

* **Important** - Do not cover the side microphone with your hand when using the terminal for phone calls. Both the front and side microphones must be free from obstruction for the noise cancellation feature to function during handset calls.

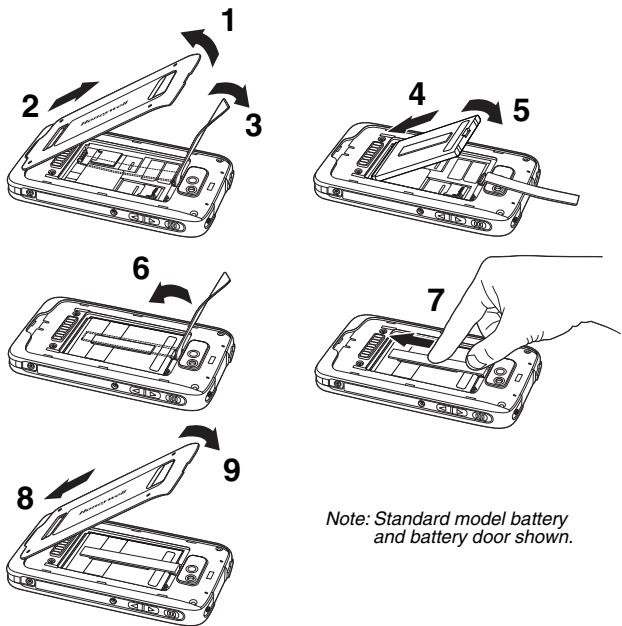*Note: Noise cancellation is available on WWAN models only.*

Audio Jack

Scan/Image Engine Window (LED aperture)

Power Button

Left Scan/Image Button

Volume Control Button

Color Camera Lens

Camera Flash

Honeywell

Battery Latch and Retention Strap (battery and battery door not shown

I/O Connector

Battery Door (standard model shown)

SIM Card Retention Flap

SIM Card Socket

Memory Card Retention Flap

Memory Card Socket with microSD Card (pre-installed)

Installing the Battery

Dolphin 70e Black model terminals are designed for use with battery part numbers BAT-STANDARD-01 (Li-ion 3.7 V, 6.179 watt hour) and BAT-EXTENDED-01 (Li-ion 3.7 V, 12.358 watt hour), manufactured for Honeywell International Inc.

The Dolphin 70e Black is shipped with the battery packaged separately from the terminal. Perform the steps illustrated below to install the battery.

⚠️ *Ensure all components are dry prior to placing the battery in the terminal. Mating wet components may cause damage not covered by the warranty.*

Note: Standard model battery and battery door shown.

⚠️ *We recommend use of Honeywell Li-ion battery packs. Use of any non-Honeywell battery may result in damage not covered by the warranty.*

Once the battery is installed, connect the terminal to one of the Dolphin 70e Black charging peripherals to charge the battery.

Charging the Dolphin 70e Black

Dolphin terminals ship with the battery significantly discharged of power. Charge the battery with a Dolphin charging device for a minimum of **4 hours** for the standard battery and **6 hours** for the extended battery. When using the 70e-USB Charge/Communication cable to charge from a 500mA USB port on a host device, charge the battery for a minimum of **6 hours** for the standard battery and **8 hours** for the extended battery.

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

⚠️ *We recommend use of Honeywell peripherals, power cables, and power adapters. Use of any non-Honeywell peripherals, cables, or power adapters may cause damage not covered by the warranty.*

Dolphin 70e Black model terminals powered by Android are designed for use with the following charging devices and cables: 70e-HB, 70e-CB, 70e-MB, 70e-MC, and the 70e-USB ADAPTERKIT.
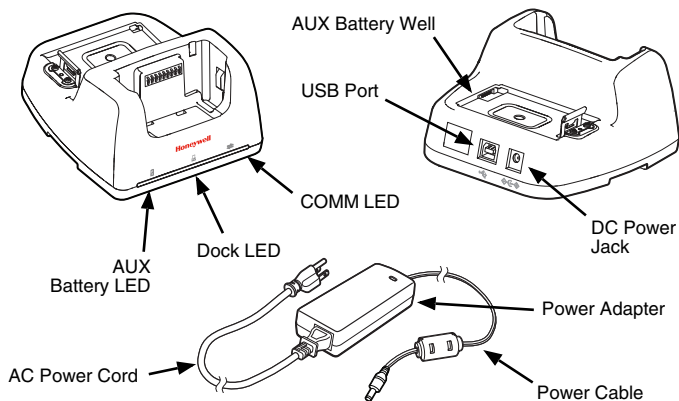
⚠️ *Ensure all components are dry prior to mating terminals/batteries with peripheral devices. Mating wet components may cause damage not covered by the warranty.*

HomeBase (Model 70e-HB)

The 70e-HB charger is designed for use with Dolphin 70e Black model terminals, and battery part numbers BAT-STANDARD-01 (Li-ion 3.7V, 6.179 watt hour) and BAT-EXTENDED-01 (Li-ion 3.7V, 12.358 watt hour), manufactured for Honeywell International Inc.

Use only a UL Listed power supply, which has been qualified by Honeywell with output rated at 12VDC and 3 amps with the device.
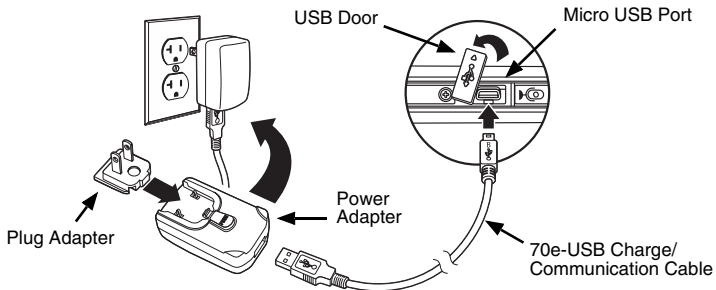
HomeBase Parts

HomeBase LED Indicators

🔋 AUX battery LED

   Orange   The auxiliary battery is charging.

   Green   The auxiliary battery has completed charging and is ready
            for use.

📱 Dock LED

   Blue   The terminal is properly seated in the base.

⇄ COMM LED

   Green   A USB connection is established with the host workstation.
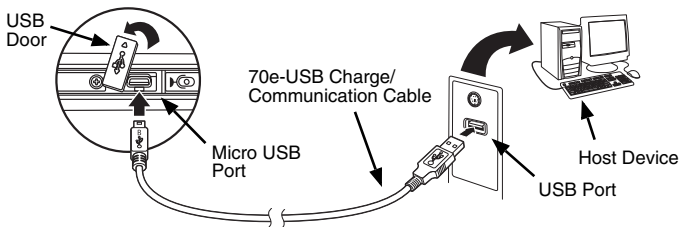
USB Charge/Communication Cable (70e-USB ADAPTERKIT)

The USB Charge/Communication cable provides two options for charging the terminal. Use the cable in conjunction with the provided power supply adapter and plug adapter to charge the terminal from a power outlet or connect the cable to a high-power USB port to charge from a host device.

Option 1: Charging from a power outlet

Use only a UL Listed power supply, which has been qualified by Honeywell with an output rated at 5VDC and 1A with the device.

USB Door

Micro USB Port

Plug Adapter

Power Adapter

70e-USB Charge/Communication Cable

Option 2: Charging from a USB port on a host device

USB Door

Micro USB Port

70e-USB Charge/Communication Cable

Host Device

USB Port

Note: Charging the battery through a USB port takes more time than direct AC adapter charging. USB charging will not take place if the terminal is drawing more current than supplied by the USB port.

*Touch (:::) > **Settings** > **Battery** to verify the battery is charging.*

Turning Power On/Off

To turn the terminal **On**, press and release the **Power** button ⏻.

To turn the terminal **Off**:

1. Press and hold the **Power** button ⏻ until the **Phone Options** menu displays.

2. Touch **Power Off**.

Suspend Mode

Suspend mode automatically turns the touch screen off and locks the terminal to save battery power when the terminal is inactive for a programmed period of time.

1. Press and release the **Power** button ⏻ to toggle the terminal in or out of **Suspend** mode.

2. Drag 🔒 to the right on the touch screen or press the menu button ☰ to unlock the terminal.

To adjust the timeout limit, touch ⊞ > **Settings** ⚙ > **Display** > **Sleep**.

*Note: You should always place the terminal into **Suspend** mode before removing the battery.*
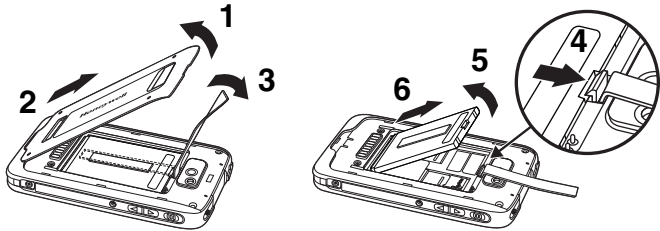
Airplane Mode

1. Press and hold the **Power** button ⏻ until the **Phone Options** menu displays.

2. Touch **Airplane Mode** to toggle the mode ON or OFF.

Note: When Airplane Mode is turned on, ✈ shows on the status bar.

Removing the Battery

1. Place the terminal in **Suspend** mode.

2. Perform the steps illustrated below to remove the battery.

Installing the SIM Card and/or Replacing the Memory Card

A microSD memory card is pre-installed in the terminal. You can expand the memory capacity by replacing the supplied card with a larger capacity microSD or microSDHC card.
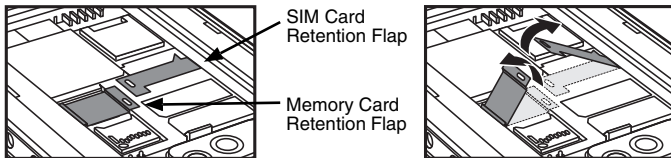
Honeywell recommends the use of Single Level Cell (SLC) industrial grade microSD or microSDHC memory cards with Dolphin terminals for maximum performance and durability. Contact a Honeywell sales representative for additional information on qualified memory card options.

Note: Format replacement microSD/SDHC card to Fat32 before initial use.

To install the SIM card and/or replace the memory card:

1. Place the terminal in **Suspend** mode.
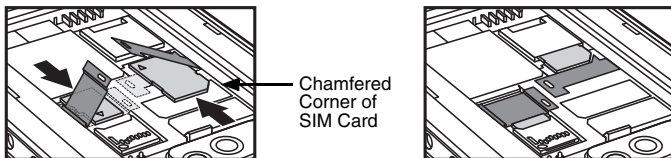
2. Remove the battery door and battery.

3. Lift the card retention flap for the appropriate socket.

SIM Card
Retention Flap

Memory Card
Retention Flap

4. If you are replacing the memory card, slide the existing card out of the
    memory socket.

    *Note: Memory card use is recommended to avoid potential application errors
    or possible data loss.*

5. Slide the SIM or replacement memory card (contacts facing down) into
    the socket, then close the retention flap.

Chamfered
Corner of
SIM Card

6. Install the battery and battery door. The terminal begins booting as soon
    as power is applied.

Virtual Keyboard

The enhanced Honeywell virtual keyboard appears when you open an
application or select a field that requires text or numerical input. The content
of the keyboard may vary depending on the application in use and the input
field requirements.

The enhanced Honeywell virtual keyboard is fully customizable using the
Honeywell Virtual Keypad Creator software available for download at
www.honeywellaidc.com. The user-friendly utility allows you to personalize
multiple keyboard features including key position, size, quantity, color, and
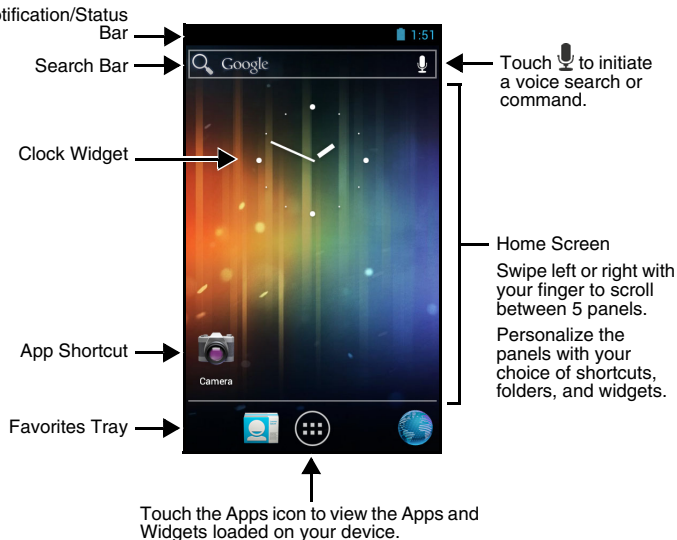
the keyboard skin. In addition, you can make language changes, create alternate or function keys for special character sets, and add application launch keys to streamline common business tasks. Refer to the *Dolphin 70e Black User's Guide* for additional information.

Navigation and Function Buttons

Button		Function
🏠	Home	A quick press returns you to the **Home** screen. Press and hold the button to view and switch between recently used apps.
☰	Menu	Opens additional menu options.
⬭	Scan	Wakes the terminal from **Suspend Mode.** Triggers the scanner/imager in the following apps: **IQImage Demo**, **Imaging Demo** and **Scan Demo**.
↩	Back	Back to the previous screen.
🔍	Search	Initiate a search of the terminal or the Internet.
⬚	Right and Left Side	Triggers the scanner/imager in the following apps: **IQImage Demo**, **Imaging Demo** and **Scan Demo**.
⬚	Volume	Raises or lowers the volume of the active speaker.

Note: Additional functionality varies according to the application in use.

Home Screen

Notification/Status Bar →

Search Bar →

← Touch 🎤 to initiate a voice search or command.

Clock Widget →

Home Screen

Swipe left or right with your finger to scroll between 5 panels.

Personalize the panels with your choice of shortcuts, folders, and widgets.

App Shortcut →

Favorites Tray →

Touch the Apps icon to view the Apps and Widgets loaded on your device.

Personalize the Home Screen and Favorites Tray

To add a shortcut, touch ⊕, select and hold the app icon you want to add, then drag and drop the icon into position on the **Home** screen panel or in an open spot in the Favorites tray.

Note: To create a folder, drag and drop an app icon on top of another icon.

To add a widget, touch ⊕, tap the Widget tab, select and hold the item you want to add, then drag and drop the widget into position on the Home screen panel.
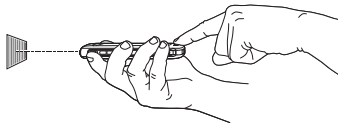
To delete items, touch and hold the shortcut or widget, then drag the item to "Remove" at the top of the screen.

Using the Scan/Image Engine Demo

1. Touch (⋮⋮⋮) > **Demos** 📦 > **Scan Demo** 📦.

2. Point the Dolphin terminal at the
   bar code.

   *Note: For optimum performance,
   avoid reflections by scanning
   the bar code at a slight angle.*

3. Touch and hold **Scan** or press and
   hold the **Scan** button. Center the aiming beam over the bar code.

   Note: The left and right side buttons also trigger the scan/imager.

4. The decode results display on the touch screen.

Aiming Beam

The aiming beam is narrower when you hold the terminal closer to a bar code
and the aiming beam is wider when you hold it farther from the bar code.

The aiming beam must be aimed closer to symbologies that have smaller bars
or elements (mil size). The aiming beam must be aimed farther from
symbologies that have larger bars or elements (mil size).

Linear Bar Code

2D Matrix Symbol

Using the Color Camera

1. Touch **Camera** 📷 on the Home screen.

2. Verify camera 📷 is selected.

3. Point the camera lens at the object you want to capture, then touch 🔵 to capture the picture.

   Note: The camera lens is located on the back of the terminal.

Resetting the Terminal

There are two types of system resets: a hard reset or a factory reset. The hard reset preserves all data stored in the file system. Contact a Honeywell technical support representative for more information on how to perform a factory reset.

Hard Reset (Cold Boot)

A hard reset re-boots the device and closes any open applications running in RAM at the time of the reset.

1. Press and hold the **Power** button ⏻ until the **Phone Options** menu displays.

2. Touch **Reboot**.

*Note: To perform a **Hard Reset** if the touch screen has stopped responding, press and hold the **Power** button ⏻ for approximately 8 seconds until the terminal starts to re-boot. When the reset is complete, the **Home** screen displays.*

Technical Assistance

Contact information for technical support, product service and repair can be found at www.honeywellaidc.com.

User Documentation

For localized versions of this document, and to download the User's Guide, go to www.honeywellaidc.com.

Limited Warranty

Refer to www.honeywellaidc.com/warranty_information for your product's warranty information.

Patents

For patent information, please refer to www.honeywellaidc.com/patents.

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