Honeywell 6500:

Resetting via keyboard buttons:

Resetting the Terminal

Soft Reset:	Using the stylus, press the **Reset** button. The screen turns white and the decode/scan LED flashes blue for approximately 10 seconds.
Hard Reset:	28-key: Press and hold the **Power** button and then using the stylus, press the **Reset** button. 52-key: Press and hold the **Blue** and **Z** (**Power**) buttons and then using the stylus, press the **Reset** button. The screen turns white and the decode/scan LED flashes blue for approximately 18 seconds.

Resetting via Power Tools Program:

Reboot

Reboot performs a warm or cold boot from the touch screen. All Dolphin terminals reboot with keyboard commands; Reboot offers you the option of using the touch screen instead.

Warm Boot

A warm boot is a soft reset. A soft reset re-boots the device without losing RAM data.

You would perform a soft reset when

- the terminal fails to respond.
- after installing software applications that require a re-boot.
- after making changes to certain system settings, such as network cards.

Cold Boot

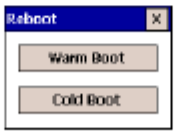
A cold boot is a hard reset. A hard reset resets the operating system, restores the terminal back to factory defaults, and resets the terminal.

A hard reset erases all of the data stored in RAM memory and all RAM installed applications! Only data and applications stored in `\IPSM` (`\Honeywell` for 6100/6500) memory persist.

Rebooting the Dolphin terminal

1. Tap **Start** > **Power Tools**. The Dolphin Power Tools Main Window (see page 1-2) appears.
2. Tap the **Reboot** icon 

. The Reboot screen appears.



To perform a warm boot, tap the **Warm Boot** button.

To perform a cold boot, tap the **Cold Boot** button.

The Dolphin terminal begins booting immediately.

Suspend via keyboard buttons:

Suspend Mode

Suspend Mode suspends terminal operation. The terminal appears to be "off" when in Suspend Mode. The terminal is programmed to go into Suspend Mode automatically when inactive for a specified period of time. You can set this time period in the Power setting.

To suspend operation, press the red **Power** button to put the terminal in Suspend Mode on the 28-key Dolphin 6500 or press the **Blue** then **Z** (**Power**) keys on the 52-key Dolphin 6500. To wake the device, press the **Power** button. You may also press the front or rear scan keys to wake a suspended device.

Troubleshooting Suspend/Resume

If the terminal does not wake when you press the **Power** button on the 28-key Dolphin 6500 or press the **Blue** then **Z** (**Power**) keys on the 52-key Dolphin 6500, the main battery might be too low to resume operation. To check, remove the battery and install a fully charged battery or connect the terminal to a Dolphin charging peripheral.

Suspend via Power Tools Program:

Suspend

Suspend puts the terminal in Suspend mode. All Dolphin terminals have keyboard commands that put the terminal in Suspend mode; Suspend offers you the option of using the touch screen instead.

To Suspend the Dolphin Terminal

1. Tap **Start** > **Power Tools**. The Dolphin Power Tools Main Window (see page 1-2) appears.
2. Tap the Suspend **icon** once 

. The terminal goes into Suspend mode.

To Wake the Dolphin Terminal from Suspend Mode

Press the SCAN key.

Barcode Scanner/ 2D Imager Support::

Overview

The Dolphin 6500 houses a compact image engine using Adaptus™ Imaging Technology that instantly reads all popular 1D and 2D bar codes and supports omni-directional aiming and decoding. The image engine can also capture digital images, such as signatures and pictures.

Available Image Engines

Dolphin 6500s are equipped with 5300 Standard Range (5300SR) image engines.

Depth of Field

5300 Standard Range (5300SR)

	8.3 mil Linear	10 mil PDF417	13 mil UPC	15 mil Data Matrix	15 mil QR	35 mil MaxiCode
Working Range*:	(.020cm)	(.025cm)	(.033cm)	(.038cm)	(.038cm)	(.089cm)
Near	3.5 in. (8.9cm)	3.1 in. (7.9cm)	2.1 in. (5.3cm)	2.3 in. 5.8cm)	3.1 in. (7.9cm)	2.0 in. (5.1cm)
Far	7.6 in. (19.3cm)	9 in. (22.9cm)	13.2 in. (33.5cm)	10.2 in. (25.9cm)	8.8 in. (22.4cm)	13.0 in. (33cm)

*Data characterized at 23°C and 0 lux ambient light.

Supported Bar Code Symbologies

Symbology Type	Symbology Name	
1D Symbologies	Codabar Code 3 of 9 Code 11 Code 32 Pharmaceutical (PARAF) Code 93 Code 128 EAN with Add-On EAN with Extended Coupon Code EAN-13 GS1 Databar	Interleaved 2 or 5 Matrix 2 of 5 Plessey PosiCode Straight 2 of 5 IATA Straight 2 of 5 Industrial Telepen Trioptic Code GS1-128 UPC and UPC-A
2D Symbologies	Aztec Code 16K Composite Data Matrix Grid Matrix GS1 Databar Han Xin MaxiCode OCR PDF417 QR Code	
Composite Codes	Aztec Mesa Codablock F EAN·UCC GS1 Databar-14	
OCR	OCR-A OCR-B OCR-US Money Font	
Postal Codes	Postnet and most international 4 state codes Australian Post British Post Canadian Post China Post Japanese Post KIX (Netherlands) Post Korea Post Planet Code	

Use “Omni Directional Scanning” setting for 2D scanning:

Activating the Engine

When a scanning application is open, press the Scan key to activate the image engine.

Using Demos

Dolphin Demos are software utilities loaded on all Dolphin terminals that demonstrate the advanced features of the terminal. There are two Demos that feature the image engine: Image Demo and Scan Demo.

To access these demos, tap **Start** > **Programs** > **Demos**.

- Select **Scan Demo** to verify decoding, or
- Select **Image Demo** to verify imaging (not available on device using the IS4813 laser engine).

For more information about Demos, refer to the Dolphin Demos User’s Guide, which is available for download from www.honeywellaidc.com.

Decoding

The Dolphin terminal supports two types of image decoding: full-area imaging and Advanced Linear Decoding (ALD).

Full-area Imaging

Full-area imaging means that the Dolphin terminal supports omni-directional aiming, meaning that a positive read can be obtained from many positions. For details, see Omni-Directional Scanning Positions on page 5-4.

ALD

ALD provides fast reading of linear (1D) and stacked linear bar codes (PDF417). For the best read, the aiming pattern should be centered horizontally across the bar code. When ALD is enabled, the reader does not read matrix or postal codes.

To Decode a Bar Code

1. Tap **Start** > **Programs** > **Demos** > **Scan Demo**.
2. Position the Dolphin terminal over one of the sample bar codes on page 5-4.
   A range of 4-10 inches (10-25 cm) from the bar code is recommended.
3. Project the aiming brackets by pressing and holding the Scan key. The Scan LED lights red.
4. Center the aimer crosshair over the bar code. The aiming beam should be oriented in line with the bar code to achieve optimal decoding; Omni-Directional Scanning Positions, page 5-4
5. When the bar code is successfully decoded, the decode LED lights green and the terminal beeps.

Sample Bar Codes

You can use the following bar codes to verify decoding:

Sample 128

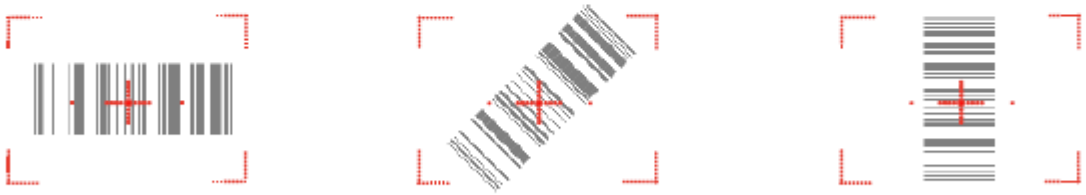
Code 128

Sample PDF417

PDF417 Test Message

Omni-Directional Scanning Positions

The high-vis aiming pattern frames the bar code to provide you with the best scanning performance.



Note: To achieve the best read, the aiming beam should be centered horizontally across the bar code.

The aiming pattern is smaller when the terminal is held closer to the code and larger when the terminal is held farther from the code. Symbologies with smaller bars or elements (mil size) should be read closer to the unit whereas larger bars or elements (mil size) should be read farther from the unit.