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symbol®

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Symbol Technologies, Inc.
One Symbol Plaza
Holtsville, N.Y. 11742-1300
http://www.symbol.com

Patents

This product is covered by one or more of the following U.S. and foreign Patents:
U.S. Patent No. 4,593,186; 4,603,262; 4,607,156; 4,652,750; 4,673,805; 4,736,095; 4,758,717; 4,760,248; 4,806,742; 4,816,660; 4,845,350; 4,896,026; 4,897,532; 4,923,281; 4,933,538; 4,992,717; 5,015,833; 5,017,765; 5,021,641; 5,029,183; 5,047,617; 5,103,461; 5,113,445; 5,130,520; 5,140,144; 5,142,550; 5,149,950; 5,157,687; 5,168,148; 5,168,149; 5,180,904; 5,216,232; 5,229,591; 5,230,088; 5,235,167; 5,243,655; 5,247,162; 5,250,791; 5,250,792; 5,260,553; 5,262,627; 5,262,628; 5,266,787; 5,278,398; 5,280,162; 5,280,163; 5,280,164; 5,280,498; 5,304,786; 5,304,788; 5,306,900; 5,324,924; 5,337,361; 5,367,151; 5,373,148; 5,378,882; 5,396,053; 5,396,055; 5,399,846; 5,408,081; 5,410,139; 5,410,140; 5,412,198; 5,418,812; 5,420,411; 5,436,440; 5,444,231; 5,449,891; 5,449,893; 5,468,949; 5,471,042; 5,478,998; 5,479,000; 5,479,002; 5,479,441; 5,504,322; 5,519,577; 5,528,621; 5,532,469; 5,543,610; 5,545,889; 5,552,592; 5,557,093; 5,578,810; 5,581,070; 5,589,679; 5,589,680; 5,608,202; 5,612,531; 5,619,028; 5,627,359; 5,637,852; 5,664,229; 5,668,803; 5,675,139; 5,693,929; 5,698,835; 5,705,800; 5,714,746; 5,723,851; 5,734,152; 5,734,153; 5,742,043; 5,745,794; 5,754,587; 5,762,516; 5,763,863; 5,767,500; 5,789,728; 5,789,731; 5,808,287; 5,811,785; 5,811,787; 5,815,811; 5,821,519; 5,821,520; 5,823,812; 5,828,050; 5,848,064; 5,850,078; 5,861,615; 5,874,720; 5,875,415; 5,900,617; 5,902,989; 5,907,146; 5,912,450; 5,914,478; 5,917,173; 5,920,059; 5,923,025; 5,929,420; 5,945,658; 5,945,659; 5,946,194; 5,959,285; 6,002,918; 6,021,947; 6,029,894; 6,031,830; 6,036,098; 6,047,892; 6,050,491; 6,053,413; 6,056,200; 6,065,678; 6,067,297; 6,082,621; 6,084,528; 6,088,482; 6,092,725; 6,101,483; 6,102,293; 6,104,620; 6,114,712; 6,115,678; 6,119,944; 6,123,265; 6,131,814; 6,138,180; 6,142,379; 6,172,478; 6,176,428; 6,178,426; 6,186,400; 6,188,681; 6,209,788; 6,209,789; 6,216,951; 6,220,514; 6,243,447; 6,244,513; 6,247,647; 6,308,061; 6,250,551; 6,295,031; 6,308,061; 6,308,892; 6,321,990; 6,328,213; 6,330,244; 6,336,587; 6,340,114; 6,340,115; 6,340,119; 6,348,773; 6,380,949; 6,394,355; D305,885; D341,584; D344,501; D359,483; D362,453; D363,700; D363,918; D370,478; D383,124; D391,250; D405,077; D406,581; D414,171; D414,172; D418,500; D419,548; D423,468; D424,035; D430,158; D430,159; D431,562; D436,104.
Invention No. 55,358; 62,539; 69,060; 69,187, NI-068564 (Taiwan); No. 1,601,796; 1,907,875; 1,955,269 (Japan); European Patent 367,299; 414,281; 367,300; 367,298; UK 2,072,832; France 81/03938; Italy 1,138,713
rev. 06/02

Q u i c k   R e f e r e n c e

Introduction

Congratulations on your purchase of Symbol Technologies' PDT 8000 WAN Terminal! Its unique combination of features make this product superior for use in a wide range of applications. These features include:

- Microsoft® Windows® Pocket PC 2002 operating system
- RF communication via a wide area network (PDT 8037/ 8056) or Symbol's Spectrum24® wireless network (PDT 8056)
- USB Client
- 1-Dimensional barcode scanning capability
- 3.9 inch 1/4 VGA Color LCD
- Touch screen
- Printing support
- IrDA-compliant interface for printing and communications.

About This Guide

This guide describes how to set up and use the terminal. Within this guide, the term PDT 8000 refers to the Spectrum24/WAN and WAN only versions of the terminal.

Specific topics covered include:

The *PDT 8000 Series Product Reference Guide* (p/n 72-58169-xx) details the applications available for the terminal. For the latest version of this guide go to: http://www.symbol.com/manuals.

Accessories

Each terminal requires one 7.4 volt 1130 mAh prismatic lithium-ion battery. The following optional accessories are available from Symbol Technologies:

- Additional lithium-ion battery (p/n 21-54882-01)
- Stylus for performing pen functions (11-55475-05)
- Cables:
    - Snap-On DEX cable (p/n CBL-8000-100-DEX)
    - Snap-On Autocharger (p/n VCA8000-01)
    - Snap-On Printer cable (p/n CBL-8000-100-INT1, CBL-8000-100-CTC, CBL-8000-100-PAX, CBL-8000-100-ON1)
    - Serial Charging Cable (p/n 25-55853-01)
    - USB Charging Cable (p/n 25-59272-01)
    - Power Supply with cables (p/n CBL-8000-100U)
- Snap-On Modem Module (p/n MDM8000-xxx)
- Magnetic Stripe Reader (p/n MSR 8000)
- Single-Slot Serial Cradle (p/n CRD8000-1000S)
- Single-Slot Modem Cradle (p/n CRD8000-1000M)
- Four-Slot Charging Cradle (p/n CHS8000-4000C, CHS8000-4000B)
- Four-Slot USB-to-Ethernet Cradle (p/n CRD8000-4000E)
- Vehicle Cradle (p/n VCD 8000-R000)
- Holster (p/n 11-57530-02).

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Parts of the Terminal

Front View

Ruggedized End Cap (PDT 8056 only)

Scan LED

Microphone

Charge LED

Pocket PC

TFT LCD (color)

Power Button

Speaker

Top View

PDT 8037

PDT 8056

1-D Exit Window

Audio Jack

4
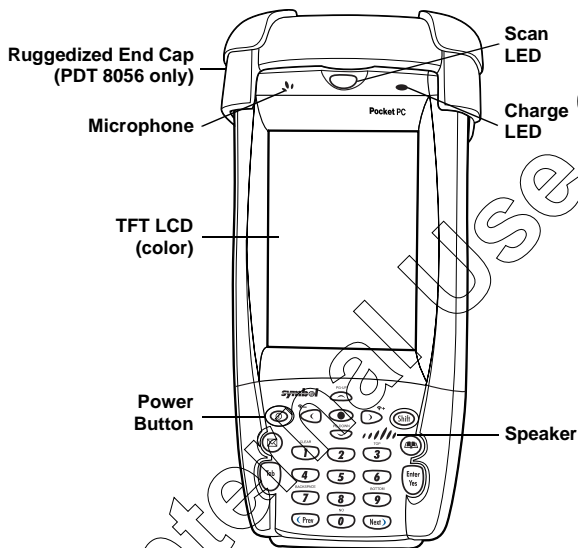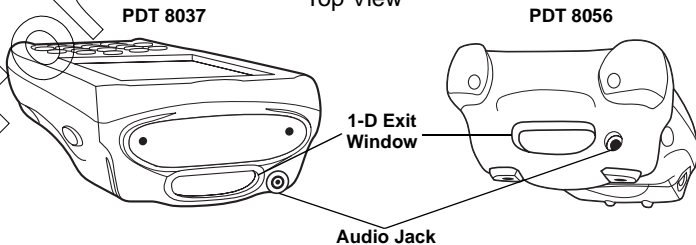
Parts of the Terminal (continued)

Back View

Side View

IrDA Port

Scan Button

Scan Button

Handstrap

Stylus

Battery Door

Bottom View

Serial & USB Charge Port

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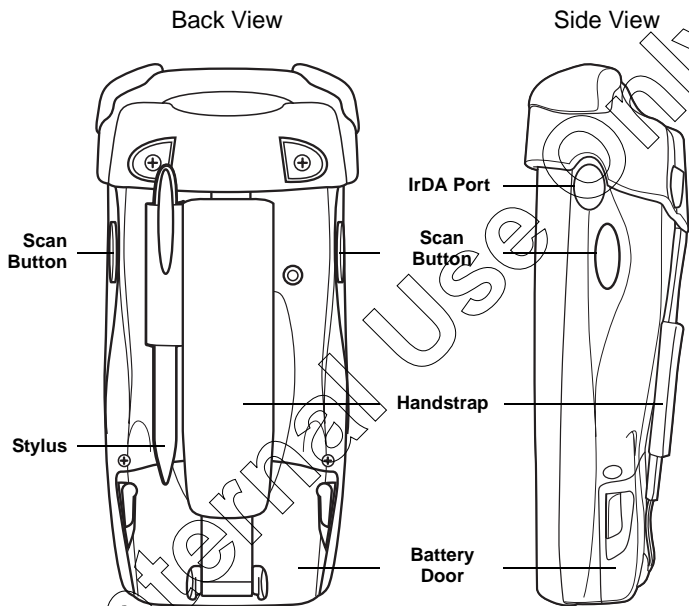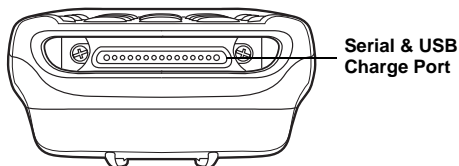
Installing the SIM Card

1. Slide the latches on the battery door up and lift the battery door away from the terminal. If the battery is installed, remove it (see *Installing Batteries* on page 9).

2. Slide the metal clip on the SIM card-holder door to the left to release the SIM cardholder.

3. Lift the cardholder door to an upright position

4. Insert the card between the cardholder body and the metal clip; be sure the beveled corner of the SIM card is on the top left.

SIM Card
Contact Area

5. Close the cardholder door (with the contact area of the card facing down).
6. Slide the metal clip to the right to lock it in place.
7. Reinsert the battery and replace the battery door (see *Installing Batteries* on page 9).
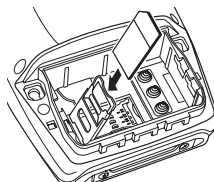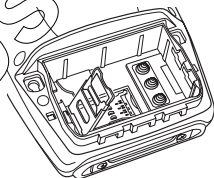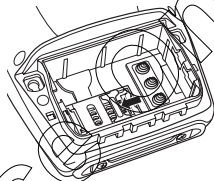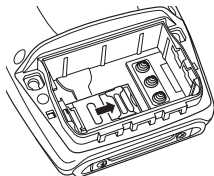
Inserting a Compact Flash Storage Card (PDT 8037 only)

The PDT 8037 has a slot for a compact flash storage card which includes a compartment door that prevents the card from coming out if the terminal is dropped. To insert a compact flash card:

1. Unscrew and remove the compact flash storage card compartment door on the top of the terminal.
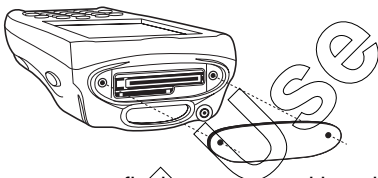
2. Insert a new compact flash storage card into the compartment. Ensure it is fully inserted for proper operation.
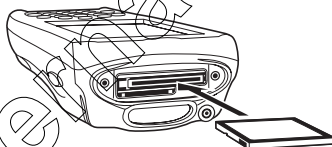
3. Screw the compartment door back on.

Removing a Compact Flash Storage Card

1. Unscrew and remove the compact flash storage card compartment door on the top of the terminal.
2. Use the stylus to press the flash card release button inside the flash card compartment. The card pops out.

7
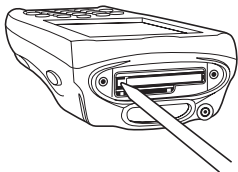
Inserting an MMC/SD Storage Card

The terminal has a slot for an MMC/SD storage card which includes a compartment door that prevents the card from coming out if the terminal is dropped. To insert an MMC/SD storage card:

1. Unscrew and remove the card compartment door on the top of the terminal.

PDT8037   **PDT8056**
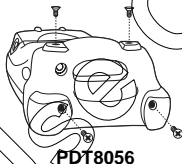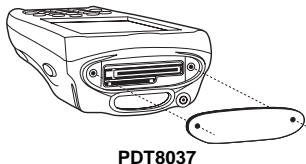
2. Insert a new MMC/SD storage card, with the card label facing down, into the compartment. Ensure it is fully inserted for proper operation.
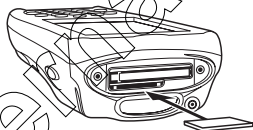
3. Screw the compartment door back on.

Removing an MMC/SD Storage Card

1. Unscrew and remove the card compartment door on the top of the terminal.

2. Using the stylus, push against the MMC/SD storage card to activate it's spring release mechanism. The card pops out.

8
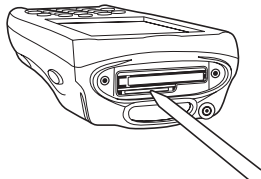
Installing Batteries

1. Remove the battery door.
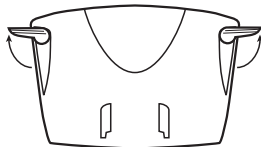
2. Slide the latches on both sides of the battery down, to ensure they are in the unlock position. Insert the battery into the compartment.
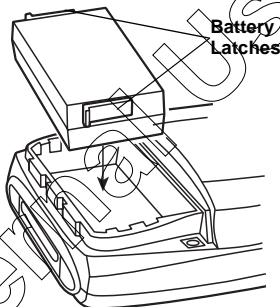
Battery Latches

3. Lock the battery into place by sliding the latches on the battery up.

UNLOCK
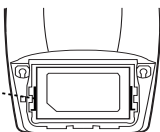
LOCK
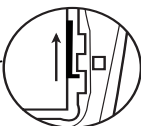
4. Replace the battery door.

Caution: Do not expose the battery to temperatures in excess of 140°F (60°C). Do not disassemble, incinerate, or short circuit the battery.

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PDT 80XX WWAN

Charging the Battery
Charging the Main Battery and Memory Backup Battery

Before using your terminal for the first time, charge the lithium-ion battery in the terminal for approximately four hours, using the Serial Charging Cable or any other appropriate accessory. Your terminal is equipped with a memory backup battery which automatically charges from the fully-charged lithium-ion battery. This backup battery retains data in memory when the terminal's battery is removed, and can take up to 20 hours to charge when you first use your terminal.

> Note: If you remove your lithium-ion battery before the backup battery is fully charged, data may be lost. For this reason, DO NOT remove the battery before the backup battery is fully charged, which can take up to 20 hours.

Charging the Battery Using the Serial Charging Cable
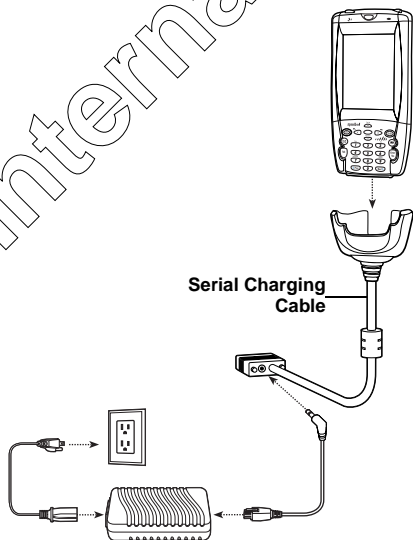
Serial Charging Cable

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The terminal charge LED blinks amber to indicate that the terminal battery is charging and turns solid amber when charging is complete. The battery fully charges in less than four hours. See *LED Indicators* on page 24 for other indications.

Charging the Battery Using the USB Charging Cable
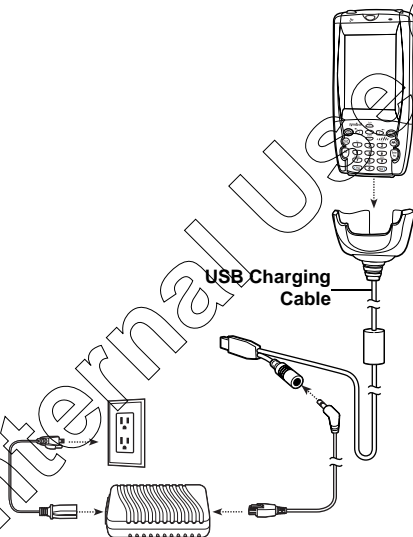
USB Charging Cable

The terminal charge LED blinks amber to indicate that the terminal battery is charging and turns solid amber when charging is complete. The battery fully charges in less than four hours. See *LED Indicators* on page 24 for other indications.

Charging the Battery Using a Cradle

You can charge the main battery using the CRD 8000-1000S, CRD 8000-1000M, CHS 8000-4000C/B, CRD 8000-4000E or VCD 8000-R000. For more information, see the setup instructions in the respective Quick Reference Guides.

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Note: You can also charge the battery using the MDM 8000, VCA 8000-01 or MSR 8000. For more information, see the setup instructions in the respective Quick Reference Guides.

Charging the Spare Battery

You can charge a spare battery using the CRD 8000-1000S, CRD 8000-1000M, CHS 8000-4000B, CRD 8000-4000E or VCD 8000-R000. For more information, see the setup instructions in the respective Quick Reference Guides.

Note: You can also use a UBC Adaptor (p/n 21-32665-33) to charge spare batteries. Refer to the *UBC 2000 Universal Battery Charge Product Guide* for more information.

Starting the Terminal

Press the red power button to turn the terminal on. If the terminal does not power on see *Troubleshooting* on page 26.

Power Button
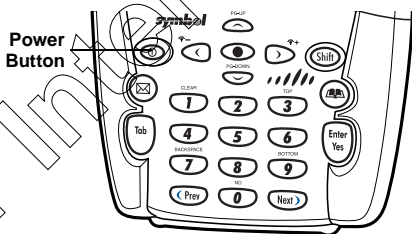
As the terminal initializes its unique Flash File system, the Symbol splash screen displays for about 60 seconds. When the Welcome screen appears, tap anywhere on the screen to continue to the Align screen. Note that these screens also appear every time you perform a hard reset.

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Aligning the Screen

To align your terminal so the cursor on the touch screen aligns with the tip of your stylus:

1. If necessary, adjust the contrast on the terminal so the screen is readable (see *Adjusting the Backlight* on page 14).
2. Remove the stylus from the handstrap of the terminal.
3. Tap the center of each target that appears on the Calibration screen with the tip of the stylus.
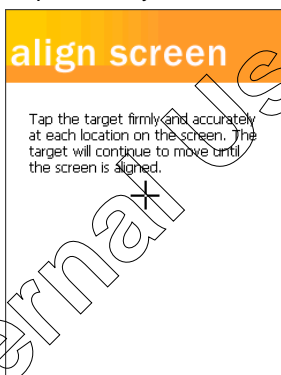
4. Follow the directions on the screen which explains how to use the stylus and pop-up menus, and allows you to set your city and time zone.

   Note: To align your screen at anytime, press **Shift + 2** to launch the calibration screen.

Initiating a Network Connection

Before using the terminal, set up the Spectrum24, GPRS (General Packet Radio Service) or GSM (Global System for Mobile Communication) network connection. Refer to the *PDT 8000 Series Product Reference Guide* for setup instructions.

Adjusting the Backlight

Use the key combinations below to adjust the backlight.

Keys	Description
Shift + App Key 2 or Shift + App Key 3	Turn backlight on or off.
Shift + Left Arrow	Decrease backlight (decrease brightness)
Shift + Right Arrow	Increase backlight (increase brightness)

Using a Headset

Your terminal is equipped with an audio connector which can be connected to a headset. To use the headset, plug the headset jack into the audio connector on the top of the terminal.

Symbol recommends a 2.5mm jack headset, p/n 50-11300-050.
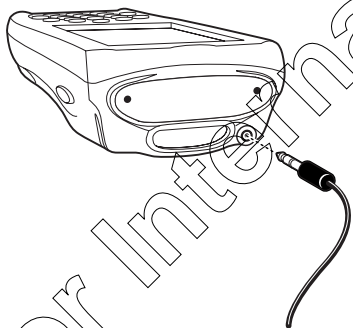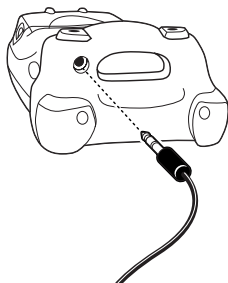
PDT8037   **PDT8056**

Note: GSM audio is only available through the headset. For GSM information, refer to the *PDT 8000 Series Product Reference Guide*.

For more detailed headset information, refer to the *PDT 8000 Series Product Reference Guide*.

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Using the Keyboard

Note: Key functions can be changed by an application. Your keyboard may not function exactly as described. For more detailed keyboard information, refer to the *PDT 8000 Series Product Reference Guide*.

The keyboard uses a numeric keypad that produces the numbers (0-9) and assorted functions. The keyboard is color-coded to indicate particular actions that are produced when the modifier (**Shift**) key is pressed. The keyboard default is numeric, producing numbers.
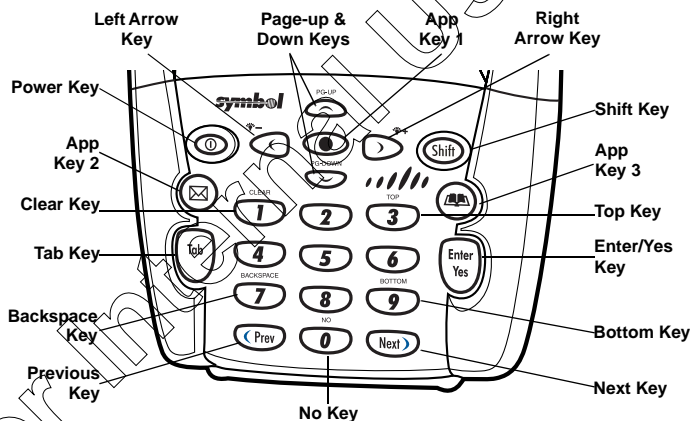
Key	Action
App Key 1	Launches application assigned to Button 1. Refer to the *PDT 8000 Series Product Reference Guide* for more information on assigning applications to button.
App Key 2	Press the **App Key 2** key to launch the Inbox application. Also see *Adjusting the Backlight* on page 14.

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Key	Action
App Key 3	Launches application assigned to Button 3. Refer to the *PDT 8000 Series Product Reference Guide* for more information on assigning applications to button. Also see *Adjusting the Backlight* on page 14.
Backspace	Press **Shift + 7** to erase information entered on the display, one character at a time.
Bottom	Press **Shift + 9**. Action is application dependent.
Clear	Press **Shift + 1**. Action is application dependent.
Enter/Yes	Press **Enter** after entering data or a command.
Left Arrow	See *Adjusting the Backlight* on page 14.
Next	Action is application dependent.
No	Press **Shift + 0**. Action is application dependent.
Page-up and Down	Press **Shift + Up Arrow**. Action is application dependent. Press **Shift + Down Arrow**. Action is application dependent.
Power	Press **Power** to suspend/resume the terminal. See *Starting the Terminal* on page 12.
Previous	Action is application dependent.
Right Arrow	See *Adjusting the Backlight* on page 14.
Shift	Press **Shift**, then another key to produce the function above that key (shown in blue). See individual key descriptions in this table for additional **Shift** key usage.
Tab	Press **Tab** to move from field to field.
Top	Press **Shift + 3**. Action is application dependent.

Using the Stylus

The stylus selects items and enters information. The stylus functions as a mouse.

- **Tap**: Touch the screen once with the stylus to open items and select options.
- **Drag**: Hold the stylus on the screen and drag across the screen to select text and images. Drag in a list to select multiple items.
- **Tap-and-hold**: Tap and hold the stylus on an item to see a

list of actions available for that item. On the pop-up menu that appears, tap the action you want to perform.

Today Screen

When you turn on your terminal for the first time each day (or after 4 hours of inactivity), the Today screen appears. You can also display it by tapping *Start - Today*. On the Today screen, you can see important information for the day.

Tap to switch to a program.

Tap to change volume or mute all sounds.

Tap to change date and time.

Tap to open an item.

Your day at a glance.

🏁 **Start**   ◀€ 11:53

🕐 **Tuesday, November 05, 2002**

📧 **Owner: Adam Barr**
(206) 555-1212

📅 No upcoming appointments

✉ No unread messages

☑ No tasks

New   🖥🌐

Tap to create a new item.

Tap to view connection status.
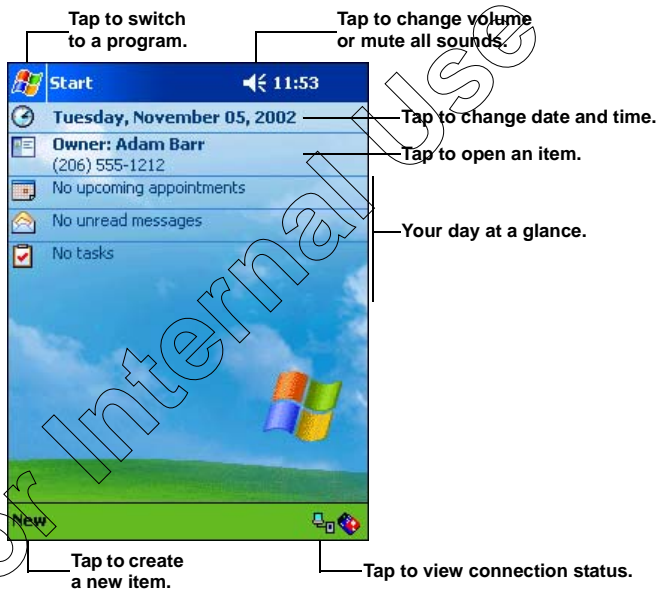
Note: Today screen may vary depending on your terminal configuration.

The Today Screen is customizable. Tap *Start - Settings - Today*. Use the Appearance tab to customize the background and the

Items tab to change the list and order of items that appear on the screen.

Navigation Bar and Command Bar

The navigation bar at the top of the screen displays the active program and current time, and allows you to switch to programs and close screens. The command bar at the bottom of the screen contains menus and buttons to perform tasks in programs.
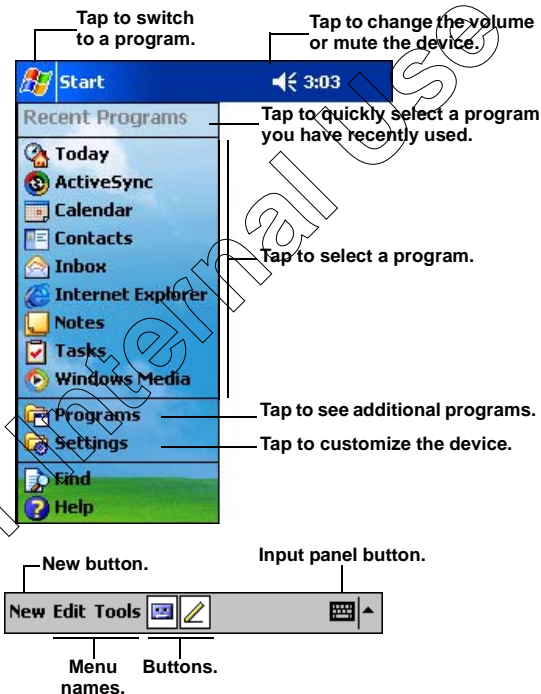

The Start Menu is customizable. Tap *Start - Settings - Menus*. Use the Start Menu tab to check what items should appear on the menu.

Input Methods

Enter information in any program by typing with the keyboard, or use the input panel to type with the soft keyboard, write using Block Recognizer, Letter Recognizer or Transcriber. In any case, the characters appear as typed text on the screen.

To show or hide the input panel, tap the Input Panel button. Tap the arrow next to this button to view input methods.

Options...	— Select input method settings.
Block Recognizer	
• **Keyboard**	— Select an input method.
Letter Recognizer	
Transcriber	
New Edit Tools 🔲 ✎ 🔤 ▲	— Tap to see your choices.
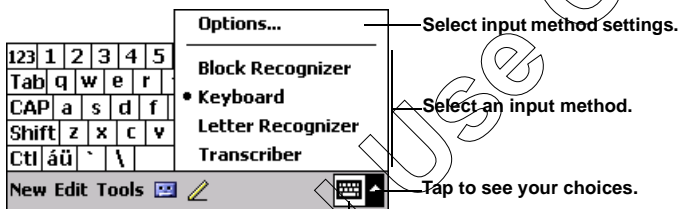
Input Panel button.

When you use the input panel, your terminal anticipates the word you are typing or writing and displays it above the input panel. When you tap the displayed word, it is inserted into your text at the insertion point. The more you use your terminal, the more words it learns to anticipate.

Using the Soft Keyboard

1. Tap the arrow next to the Input Panel button, then *Keyboard*.

meeting	▼	**Tap here if this is the right word.**
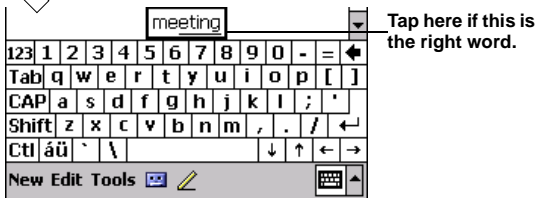
2. On the soft keyboard, tap the keys with your stylus.

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Using the Block Recognizer

1. Tap the arrow next to the Input Panel button, then *Block Recognizer*.
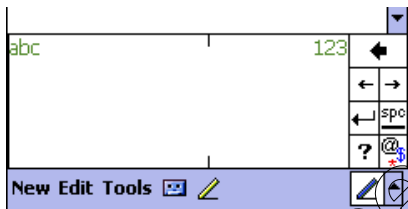
2. Write a letter in the left side of the box, or a number in the right side, using special character strokes.

When you write a letter, it is converted to typed text on the screen. For instructions on entering Block Recognizer characters, with Block Recognizer open, tap the question mark next to the writing area, or see *Block Recognizer Characters* on page 21.

Using the Letter Recognizer

1. Tap the arrow next to the Input Panel button, then *Letter Recognizer*.
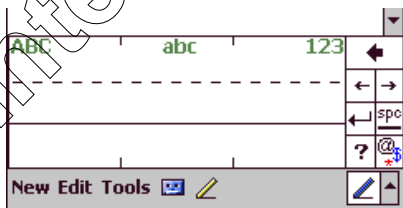
2. Write letters or numbers in the writing area, just as you would on paper. Write capital letters in the left side of the box, numbers in the right side, and lower case letters in the center.

When you write a letter, it is converted to typed text on the screen. For instructions on using Letter Recognizer, with Letter Recognizer open, tap the question mark next to the writing area.

### *Using the Transcriber*

1. Tap the arrow next to the Input Panel button, then *Transcriber*.

2. Write anywhere on the screen. What you write on the screen will be converted to text.

Block Recognizer Characters

The following chart is a partial display of the characters you can write while using the Block Recognizer (the dot on each character is the starting point for writing).

21

PDT 8 0 X X W W A N

Scanning with the Terminal

The terminal has an integrated scanner which collects data by scanning bar codes. Refer to the *PDT 8000 Series Product Reference Guide* for information on configuring your terminal for scanning.

To scan bar codes with the terminal:

1. Launch the terminal's scanning application.
   The scanning application is part of the Windows CE Software Developer's Kit for Symbol Terminals, available at http://devzone.symbol.com.
2. Aim the scanner at the bar code, as shown below (PDT 8056 shown).
3. Press the scan trigger. Ensure the red scan beam covers the entire bar code. The green scan LED lights and a beep sounds to indicate a successful decode.
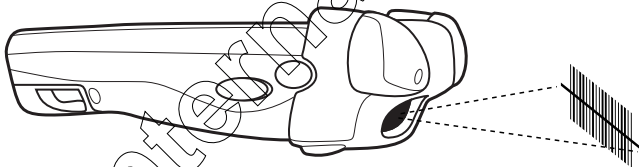
Resetting Your Terminal

If your terminal stops responding to input, reset it.

Performing a Soft Reset

A soft reset restarts the terminal and retains all stored records and entries.

Caution: Files open during a soft reset may not be retained.
         DO NOT perform a soft reset if the terminal is suspend-
         ed. Press the Power button to wake the terminal.

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To perform a soft reset press and hold the power key (for approximately ten seconds) and release it as soon as the screen changes and the terminal begins to reboot.

Performing a Hard Reset

A hard reset also restarts your terminal, but erases all stored records and entries in RAM. *Therefore, never perform a hard reset unless a soft reset does not solve your problem.*

Note: With a hard reset, formats, preferences, date and time, and other settings are restored to their factory default settings.

You can restore any data previously synchronized with your computer during the next ActiveSync operation. Refer to the *PDT 8000 Series Product Reference Guide.*

1. Remove the battery door.
2. Press and release Power Key + Scan Button.
3. Replace the battery door.
4. As the terminal reboots, the Symbol splash screen displays for about 60 seconds.
5. Realign the screen as described on page 13.

Host Communications

The terminal can communicate with a host computer either directly through its serial port, USB port, IrDA port, or wirelessly via the wide area network or the Spectrum24$^®$ wireless LAN. For more information on setting up and performing communications with your terminal, refer to the *PDT 8000 Series Product Reference Guide.*

Using the Accessories

The terminal can communicate with a host computer using the Serial Charging Cable, the USB Charging Cable, the Single-Slot Serial Cradle, the Single-Slot Modem Cradle, the Four-Slot USB-

to-Ethernet Cradle, the Vehicle Cradle or the Snap-On-Modem. For more information, see the communication instructions in the *PDT 8000 Series Product Reference Guide*.

Communicating with Printers

To print from a standard printer:

1. Attach the appropriate snap-on-printer cable to the serial port in the bottom of the terminal.
2. Attach the other end of the cable to the Data Communications Connector on the printer.
3. Run the application's print function.

To print from an IrDA-compliant printer:

1. Point the IrDA port on the side of the terminal at the IrDA port on the printer, at a maximum distance of 39 inches.
2. Run the application's print function.

Note: The terminal must have software configured to communicate with the printer you are using.

LED Indicators

LED	Indicator
Charge LED - Amber	
Off	Not connected to charger.
Slow blinking amber	Terminal is charging.
Fast blinking amber	Error in charging.
Solid amber	Charging is complete.
Scan LED	
Off	Not scanning.
Solid red	Laser enabled. Scanning in process.
Solid green	Successful decode.

Maintaining the Terminal

- Do not scratch the screen. Use the supplied stylus or plastic-tipped pens intended for use with a touch-sensitive screen. Never use a pen or pencil or other sharp object on the screen.
- Although your terminal is water and dust resistant, do not expose it to rain or moisture for an extended period of time.
- The touch-sensitive screen of your terminal contains glass. Do not drop your terminal or subject it to strong impact.
- Protect your terminal from temperature extremes. Do not leave it on the dashboard of a car on a hot day, and keep it away from heat sources.
- Do not store or use your terminal in any location that is extremely dusty, damp or wet.
- If the surface of the terminal screen becomes soiled, clean it with a soft cloth moistened with a diluted window-cleaning solution.

Using the holster

An optional holster, to store the terminal when not in use, is available through Symbol. Hook the holster on to your belt and insert the terminal, with the display facing you, as shown.

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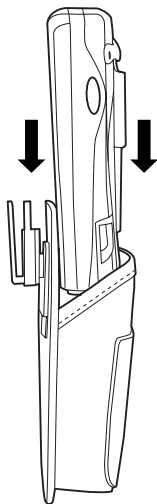
Troubleshooting

Problem	Cause	Solution
Terminal does not turn on.	Lithium-ion battery not charged.	Charge or replace the lithium-ion battery in the terminal.
	Battery not installed properly.	Ensure battery is installed properly. See *Installing Batteries on page 9*.
	System crash.	Perform a hard reset. See *Resetting Your Terminal* on page 22.
Rechargeable lithium-ion battery did not charge.	Battery failed.	Replace battery. (If your terminal still does not operate, try a soft reset, then a hard reset; see *Resetting Your Terminal* on page 22.
	Terminal removed from cradle while battery was charging.	Insert terminal in cradle and begin charging. The lithium-ion battery requires up to four hours to recharge fully.
Cannot see characters on display.	Terminal not powered on.	Press the Power key.
During data communication, no data was transmitted, or transmitted data was incomplete.	Terminal removed from cradle during communications.	Replace the terminal in the cradle and re-transmit.
	Incorrect cable configuration.	See your System Administrator.
	Communication software was incorrectly installed or configured.	Perform setup as described in the *PDT 8000 Series Product Reference Guide*.
No sound is audible.	Volume setting is low or turned off.	Check the System Volume slider in the **Sounds & Notifications** properties dialog box (under **Start** - **Settings**) to ensure the volume is set to an adequate level.

Problem	Cause	Solution
Terminal turns itself off.	Terminal is inactive.	Your terminal turns off after a period of inactivity. This period can be set from one to five minutes, in one-minute intervals. Check the **Power** dialog box (in the **System** tab under **Start/ Settings**), and change the setting if you need a longer delay before the automatic shutoff feature activates.
Terminal doesn't recognize my handwriting.	Character strokes written incorrectly with the stylus.	For your terminal to recognize handwriting input with the stylus, characters must be written a certain way. See the *PDT 8000 Series Product Reference Guide* for information about how to write character strokes.
	Character strokes written on the wrong part of the LCD screen.	Make the character strokes in the lower character entry area on the screen — not on the display part of the screen.
	Lower-case and upper-case letters, and numbers written on the wrong parts of the LCD screen.	Ensure you are writing letters and numbers in the correct part of the LCD screen. See *Using the Block Recognizer* on page 20 or *Using the Letter Recognizer* on page 20 depending on what input method you are using.
Terminal does not respond to a hard reset.	Battery door is attached.	You must remove the battery door before performing a hard reset.
	Battery is not charged.	Charge the terminal. See *Charging the Battery* on page 10.
Tapping the screen buttons or icons does not activate the corresponding feature.	LCD screen not aligned correctly.	Align the screen. See *Aligning the Screen* on page 13.

Problem	Cause	Solution
A message appears stating that your terminal's memory is full.	Too many files stored on the terminal.	Delete unused memos and records. You can save these records on your computer.
	Memory allocation too low.	Adjust the memory allocation. Select **Start**, then **Settings**, and select the **System** tab. Tap **Memory** and adjust the slider.
	Too many applications installed on the terminal.	If you have installed additional applications on your terminal, remove them to recover memory. Select **Start**, then **Settings**, and select the **System** tab. Tap **Remove Programs**, select the unused program and tap **Remove.**
Fail to communicate with IrDA printer.	Distance from printer is between 5 inches and 39 inches.	Bring the terminal closer to the printer or move it further away and attempt communications again.
	Obstruction interfered with communication.	Check the path to ensure no objects were in the way.
	Application is not enabled to run IrDA printing.	Printer support must be included with the application to run IrDA printing on the terminal. See your System Administrator.
When receiving beamed data an out of memory message appears.	Not enough free memory available for receiving data.	Your terminal requires at least twice the amount of memory available as the data you are receiving. For example, if you are receiving a 30K application, you must have at least 60K free.
Beamed data does not transmit.	Terminals too close together or too far apart.	Confirm that the terminals are at least 5 inches and at most 39 inches apart. Also ensure that there is a clear path between the two devices.
	Insufficient room lighting.	Adjust the room lighting or move to a different location.

Problem	Cause	Solution
Your terminal does not accept scan input.	Scanning application is not loaded.	Verify that the unit is loaded with a scanning application. See your System Administrator.
	Unreadable bar code.	Ensure the symbol is not defaced.
	Distance between exit window and bar code is incorrect.	Ensure you are within proper scanning range.
	Terminal is not programmed for the bar code.	Ensure the terminal is programmed to accept the type of bar code you are scanning.
	Terminal is not programmed to generate a beep.	If you are expecting a beep on a good decode and don't hear one, check that the application is set to generate a beep on good decode.
	Battery is low.	If the scanner stops emitting a laser beam when you press the trigger, check your battery level. **Note**: If the scanner is still not reading symbols, contact your distributor or Symbol Technologies.

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MICROSOFT WINDOWS FOR POCKET PC

DATA EXCHANGE COMPONENT: MICROSOFT ACTIVESYNC, VERSION 3.1

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Q u i c k   R e f e r e n c e

Regulatory Information

All Symbol devices are designed to be compliant with rules and regulations in locations they are sold and will be labeled as required.

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

Ergonomic Recommendations

Caution: In order to avoid or minimize the potential risk of ergonomic injury follow the recommendations below. Consult with your local Health & Safety Manager to ensure that you are adhering to your company's safety programs to prevent employee injury.

- Reduce or eliminate repetitive motion
- Maintain a natural position
- Reduce or eliminate excessive force
- Keep objects that are used frequently within easy reach
- Perform tasks at correct heights
- Reduce or eliminate vibration
- Reduce or eliminate direct pressure
- Provide adjustable workstations
- Provide adequate clearance
- Provide a suitable working environment
- Improve work procedures.

⚠ Laser Devices

Symbol devices using lasers comply with US 21CFR1040.10, and IEC825-1:1993, EN60825-1:1994+A11:1996. The laser classification is marked on one of the labels on the device.

Class 1 Laser devices are not considered to be hazardous when used for their intended purpose. The following statement is required to comply with US and international regulations:

Caution: Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous laser light exposure.

Class 2 laser scanners use a low power, visible light diode. As with any very bright light source, such as the sun, the user should avoid staring directly into the light beam. Momentary exposure to a Class 2 laser is not known to be harmful.

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QRG

Scanner Labeling

AVOID EXPOSURE- LASER LIGHT IS EMITTED FROM THIS
APERTURE. EVITER TOUTE EXPOSITION-LUMIÈRE LASER ÉMIS
PAR CETTE OUVERTURE

CAUTION
LASER LIGHT-DO NOT STARE INTO BEAM
630-680nm LASER 1.0 mW MAX OUTPUT
CLASS II LASER PRODUCT

LASERLICHT - NICHT IN DEN STRAHL BLICKEN,
LASER KLASSE 2, LUMIÈRE LASER -NE PAS
REGARDER DANS LE FAISCEAU APPAREIL À LASER
DE CLASSE 2, CAUTION-LASER LIGHT, DO NOT
STARE INTO BEAM, IEC CLASS 2 LASER PRODUCT
630-680 nM, 1.0 mW LASER

LISTED ACCESSORY ITE
9B97
US
11-14V⎓⎓ 2A

Microsoft®
Windows
Powered

PDT 8056   **PDT 8037**

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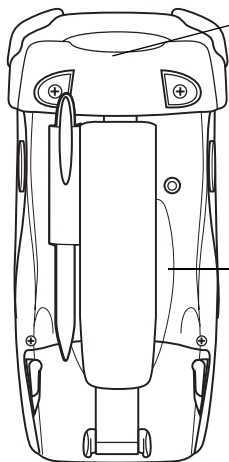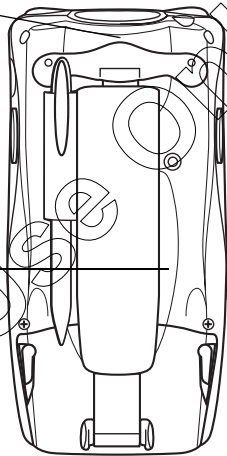
In accordance with Clause 5, IEC 825 and EN60825, the following information is provided to the user:

ENGLISH
CLASS 1	CLASS 1 LASER PRODUCT
CLASS 2	LASER LIGHT
	DO NOT STARE INTO BEAM
	CLASS 2 LASER PRODUCT

HEBREW

מוצר לייזר רמה 1   רמה 1

אור לייזר   רמה 2
אין להביט אל תוך הזרם
מוצר לייזר רמה 2

DANISH / DANSK
KLASSE 1	KLASSE 1 LASERPRODUKT
KLASSE 2	LASERLYF
	SE IKKE IND I STRÅLEN
	KLASSE 2 LASERPRODUKT

ITALIAN / ITALIANO
CLASSE 1	PRODOTTO AL LASER DI CLASSE 1
CLASSE 2	LUCE LASER
	NON FISSARE IL RAGGIOPRODOTTO
	AL LASER DI CLASSE 2

DUTCH / NEDERLANDS
KLASSE 1	KLASSE-1 LASERPRODUKT
KLASSE 2	LASERLICHT
	NIET IN STRAAL STAREN
	KLASSE-2 LASERPRODUKT

NORWEGIAN / NORSK
KLASSE 1	LASERPRODUKT, KLASSE 1
KLASSE 2	LASERLYS IKKE STIRR INN I LYSSTRÅLEN
	LASERPRODUKT, KLASSE 2

FINNISH / SUOMI
LUOKKA 1	LUOKKA 1 LASERTUOTE
LUOKKA 2	LASERVALO
	ÄLÄ TUIJOTA SÄDETTÄ
	LUOKKA 2 LASERTUOTE

PORTUGUESE / PORTUGUÊS
CLASSE 1	PRODUTO LASER DA CLASSE 1
CLASSE 2	LUZ DE LASER NÃO FIXAR O RAIO LUMINOSO
	PRODUTO LASER DA CLASSE 2

FRENCH / FRANÇAIS
CLASSE 1	PRODUIT LASER DE CLASSE 1
CLASSE 2	LUMIERE LASER
	NE PAS REGARDER LE RAYON FIXEMENT
	PRODUIT LASER DE CLASSE 2

SPANISH / ESPAÑOL
CLASE 1	PRODUCTO LASER DE LA CLASE 1
CLASE 2	LUZ LASER
	NO MIRE FIJAMENTE EL HAZ
	PRODUCTO LASER DE LA CLASE 2

GERMAN / DEUTCH
KLASSE 1	LASERPRODUKT DER KLASSE 1
KLASSE 2	LASERSTRAHLEN
	NICHT DIREKT IN DEN LASERSTRAHL SCHAUEN
	LASERPRODUKT DER KLASSE 2

SWEDISH / SVENSKA
KLASS 1	LASERPRODUKT KLASS 1
KLASS 2	LASERLJUS STIRRA INTE MOT STRÅLEN
	LASERPRODUKT KLASS 2

QRG

PDT 80XX WWAN

Power Supply

> Note: Use only a Symbol-approved power supply 50-14001-005 output rated 15VDC and minimum 2.5A. The power supply is certified to EN60950 with SELV outputs.

> Hinweis: Benutzen Sie nur eine Symbol Technologies genehmigt Stromversorgung 50-14001-005 in den Ausgabe: 15VDC und minimum 2.5A. Die Stromversorgung ist bescheinigt nach EN60950 mit SELV Ausgaben

⚠ FCC RF Exposure Guidelines

This device was tested for typical body-worn operations. The use of third-party belt-clips, holsters, and similar accessories should not contain metallic components in its assembly. The use of these accessories that do not satisfy these requirements may not comply with FCC RF exposure compliance requirements, and should be avoided.

GSM Regulatory Warnings

Emergency Calls

The Worldwide GSM standard provides a single uniform number, 112, to dial in cases of emergency. Provided that your phone has found a network you will be able to make an emergency call. The call can be made regardless of any security codes and depending on a network, with or without a SIM card inserted.

Safety Information

The device complies with Internationally recognized standards covering Specific Absorption Rate (SAR) related to human exposure to electromagnetic fields from mobile phones.

It is advisable to use the device only in the normal operating position.

Safety on the Road

Drivers are advised not to use the handset while their vehicle is in motion, except in emergencies. Use the hands-free facility to speak only if it does not divert your attention from the traffic.

Safety on Aircraft

You are required to switch off mobile phones when on board an aircraft or at any other time when instructed to do so by a member of the crew.

Pacemakers

It is recommended by pacemaker manufacturers that a minimum of 15cm (6 inches) be maintained between a handheld wireless phone and a pacemaker to avoid any possible interference with the pacemaker. These recommendations are consistent with independent research and recommendations by Wireless Technology Research.

Persons with Pacemakers:

- Should always keep the device more than 15cm (6 inches) from their pace-maker when turned on

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- Should not carry the device in a breast pocket
- Should use the ear furthest from the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, turn off your device immediately.

Hearing Aids

The device may interfere with some hearing aids. In the event of interference you may want to consult your hearing aid supplier to discuss solutions.

Other Medical Devices

The device transmits radio frequency energy and has the potential to interfere with inadequately protected medical devices. Consult your physician or the manufacturer of the device to see if the particular device has sufficient protection.

It is good practice to turn off the device within a hospital or other medical facility where sensitive medical equipment is in use. In some countries, this is a legal requirement applying to all mobile phones and related equipment.

Effect on Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles (including safety systems). Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Warning Notices

Please observe all warning notices with regard to the usage of mobile phones.

Potentially Hazardous Atmospheres

You are advised not to use this device at a refuelling point. You are reminded of the need to observe restrictions on the use of radio devices in fuel depots, chemical plants etc.

Radio Frequency Interference Requirements

FC Tested to comply with FCC Standards
FOR HOME OR OFFICE USE

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

PDT 80XX WWAN

Radio Frequency Interference Requirements - FCC

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Radio Frequency Interference Requirements - Canada

Devices with integrated radios

This device complies with RSS 210 of Industry & Science Canada. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Label Marking: The Term "IC:" before the radio certification only signifies that Industry Canada technical specifications were met.

Marking and European Economic Area (EEA)

RLAN's (2.4GHz) for use through the EEA have the following restrictions:

- Maximum radiated transmit power of 100 mW EIRP in the frequency range 2.400 -2.4835 GHz
- France, equipment is restricted to 2.4465 -2.4835 GHz frequency range
- Belgium outside usage, the equipment is restricted to 2.460 -2.4835 GHz frequency range
- Italy requires a user license for outside usage.

Other Countries

All 2.4GHz Radio Devices:

- Mexico - Restrict Frequency Range to: 2.450 - 2.4835 GHz.
- Israel - Restrict Frequency Range to: 2.418 - 2.457 GHz.
- Sri Lanka - Restrict Frequency Range to: 2.400 - 2.430 GHz.

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Q u i c k   R e f e r e n c e

Radio Modules

The PDT8000 WAN terminals contain approved radio modules. These modules are identified below:

- PDT8057
  Symbol Compact Flash RLAN (11Mbps DSSS) radio card, Type: LA-4137
  Motorola Triband GSM GPRS module (G18), Type: MT3-411A21
- PDT8037
  Motorola Triband GSM GPRS module (G18), Type: MT3-411A21

Statement of Compliance

Symbol Technologies, Inc., hereby, declares that this device is in compliance with the essential requirements and other relevant provisions of Directives 1999/5/EC. Declaration of Conformities may be obtained from http://www2.symbol.com/doc/

For Internal Use Only

Quick   Reference

Warranty

(A) Warranty Symbol Technologies (hereafter "Seller") hardware Products are warranted against defects in workmanship and materials for a period of twelve (12) months from the date of shipment, unless otherwise provided by Seller in writing, provided the Product remains unmodified and is operated under normal and proper conditions. Warranty provisions and durations on software, integrated installed systems, Product modified or designed to meet specific customer specifications ("Custom Products"), remanufactured products, and reconditioned or upgraded products, shall be as provided in the applicable Product specification in effect at the time of purchase or in the accompanying software license.

(B) Spare Parts Spare parts (i.e. parts, components, or subassemblies sold by Seller for use in the service and maintenance of Products) are warranted against defects in workmanship and materials for a period of thirty (30) days from the date of shipment. Spare parts may be new or originate from returned units under the conditions set forth in subsection D below.

(C) Repair of Symbol-branded hardware For repairs on Symbol-branded hardware Products under this Agreement, including repairs covered by warranty, the repair services provided are warranted against defects in workmanship and materials on the repaired component of the Product for a period of thirty (30) days from the shipment date of the repaired Product, or until the end of the original warranty period, whichever is longer.

(D) Product Service Products may be serviced or manufactured with parts, components, or subassemblies that originate from returned products and that have been tested as meeting applicable specifications for equivalent new material and Products. The sole obligation of Seller for defective hardware Products is limited to repair or replacement (at Seller's option) on a "return to service depot" basis with prior Seller authorization. Customer is responsible for shipment to the Seller and assumes all costs and risks associated with this transportation; return shipment to the Customer will be at Seller's expense. Customer shall be responsible for return shipment charges for product returned where Seller determines there is no defect ("No Defect Found"), or for product returned that Seller determines is not eligible for warranty repair. No charge will be made to Buyer for replacement parts for warranty repairs. Seller is not responsible for any damage to or loss of any software programs, data or removable data storage media, or the restoration or reinstallation of any software programs or data other than the software, if any, installed by Seller during manufacture of the Product.

(E) Original Warranty Period Except for the warranty applying solely to the repaired component arising from a repair service as provided in Section C above, the aforementioned provisions do not extend the original warranty period of any Product that had either been repaired or replaced by Seller.

(F) Warranty Provisions The above warranty provisions shall not apply to any Product (i) which has been repaired, tampered with, altered or modified, except by Seller's authorized service personnel; (ii) in which the defects or damage to the Product result from normal wear and tear, misuse, negligence, improper storage, water or other liquids, battery leakage, use of parts or accessories not approved or supplied by Symbol, or failure to perform operator handling and scheduled maintenance instructions supplied by Seller; (iii) which has been subjected to unusual physical or electrical stress, abuse, or accident, or forces or exposure beyond normal use within the specified operational and environmental parameters set forth in the applicable Product specification; nor shall the above warranty provisions apply to any expendable or consumable items, such as batteries, supplied with the Product.

EXCEPT FOR THE WARRANTY OF TITLE AND THE EXPRESS WARRANTIES STATED ABOVE, SELLER DISCLAIMS ALL WARRANTIES ON PRODUCTS FURNISHED HEREUNDER INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. ANY IMPLIED WARRANTIES THAT MAY BE IMPOSED BY LAW ARE LIMITED IN DURATION TO THE LIMITED WARRANTY PERIOD. SOME STATES OR COUNTRIES DO NOT ALLOW A LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR CONSUMER PRODUCTS. IN SUCH STATES OR COUNTRIES, FOR SUCH PRODUCTS, SOME EXCLUSIONS OR LIMITATIONS OF THIS LIMITED WARRANTY MAY NOT APPLY.

The stated express warranties are in lieu of all obligations or liabilities on the part of Seller for damages, including but not limited to, special, indirect or consequential damages arising out of or in connection with the use or performance of the Product or service. Seller's liability for damages to Buyer or others resulting from the use of any Product or service furnished hereunder shall in no way exceed the purchase price of said Product or the fair market value of said service, except in instances of injury to persons or property.

Service Information

Before you use the unit, it must be configured to operate in your facility's network and run your applications.

If you have a problem running your unit or using your equipment, contact your facility's Technical or Systems Support. If there is a problem with the equipment, they will contact the Symbol Support Center:

United States[1]	1-800-653-5350 1-631-738-2400	Canada	905-629-7226
United Kingdom	0800 328 2424	Asia/Pacific	+65-6796-9600
Australia	1-800-672-906	Austria/Österreich	1-505-5794-0
Denmark/Danmark	7020-1718	Finland/Suomi	9 5407 580
France	01-40-96-52-21	Germany/Deutchland	6074-49020
Italy/Italia	2-484441	Mexico/México	5-520-1835
Netherlands/Nederland	315-271700	Norway/Norge	+47 2232 4375
South Africa	11-8095311	Spain/España	91 324 40 00 Inside Spain
Sweden/Sverige	84452900		+34 91 324 40 00 Outside Spain
Latin America Sales Support	1-800-347-0178 Inside US +1-954-255-2610 Outside US		
Europe/Mid-East Distributor Operations	Contact local distributor or call +44 118 945 7360		

[1]Customer support is available 24 hours a day, 7 days a week.

For the latest version of this guide go to: http://www.symbol.com/manuals.

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