



PDT 3300

*Quick Reference • Guide utilisateur • Kurzübersicht
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Quick Reference

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<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. 4,360,798; 4,369,361; 4,387,297; 4,460,120; 4,496,831; 4,593,186;
4,603,262; 4,607,156; 4,652,750; 4,673,805; 4,736,095; 4,758,717; 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;
5,229,591; 5,230,088; 5,235,167; 5,243,655; 5,247,162; 5,250,791; 5,250,792;
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; 5,321,246; 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; 5,578,810; 5,581,070; 5,589,679; 5,589,680; 5,608,202; 5,612,531;
5,619,028; 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; 5,745,794; 5,754,587; 5,762,516;
5,763,863; 5,767,500; 5,789,728; 5,808,287; 5,811,785; 5,811,787; 5,815,811;
5,821,519; 5,821,520; 5,823,812; 5,828,050; 5,880,078; D305,885; D341,584;
D344,501; D359,483; D362,453; D363,700; D363,918; D370,478; D383,124;
D391,250.

Invention No. 55,358; 62,539; 69,060; 69,187 (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. 1/99

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Overview

The PDT 3300 is a battery powered, hand held computer designed for use as a portable data collection device. You may enter data using the keyboard or a bar code scanner (laser scanner or contact wand scanner).

This high-performance computer supports several options, including scanners, an internal modem, and radio communications.

Two keyboards are available, with 56 or 35 keys. This guide covers both keyboards.

Certain configurations of the PDT 3300 are approved for use in potentially hazardous environments. Some procedures described in this guide should not be performed in such environments, as noted by warnings.

About This Guide

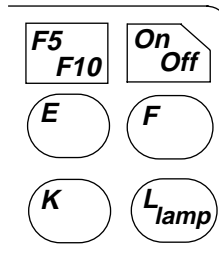
This guide provides quick access to instructions needed by the system operator. Additional operation instructions are included in the *Series 3300 System Administration Manual*.

Quick Reference

Power On and Off

Note: Charge the battery fully before using the terminal.

To turn the PDT 3300 on or off, press the **On/Off** button near the top right of the keyboard:



Forcing Power Off

If the terminal hangs, so that pressing **On/Off** does not turn it off, you should force the power off. This reduces battery drain to preserve your data.

To force power off, press and hold **On/Off** for 15 seconds until the terminal powers off.

DO NOT attempt to turn on and continue using the terminal. Return the terminal to your system administrator to recover the data and correct the problem.

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Adjusting the Display

Back Lighting

The PDT 3300 has a back light to illuminate the display when operating in dim light.

To turn the light on or off, press:

56-key: **FUNC** and **L**

35-key: **FUNC** and ' (apostrophe)

The light also turns off when the terminal is turned off.

Contrast/Viewing Angle

The display has eight levels of contrast. The contrast level also adjusts the optimal viewing angle.

To increase contrast, press:

56-key: **FUNC** and **Space**

35-key: **FUNC** and . (period)

To decrease contrast, press:

56-key: **FUNC** and **BackSpace**

35-key: **FUNC** and - (dash)

Quick Reference

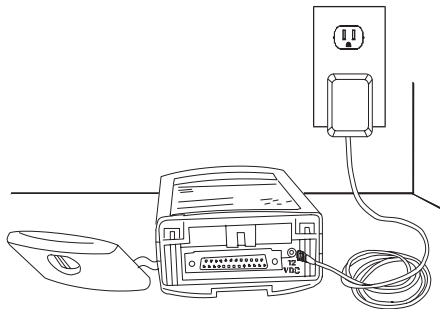
Charging the Battery

Standard End Cap

Warning

Do not charge batteries in potentially hazardous environments.

1. Turn the terminal OFF.
2. Remove the bottom end cap.
3. Plug the adapter into a wall socket.



4. Plug the adapter cable end into the terminal's battery charger port.
5. Charge for 12 to 16 hours.

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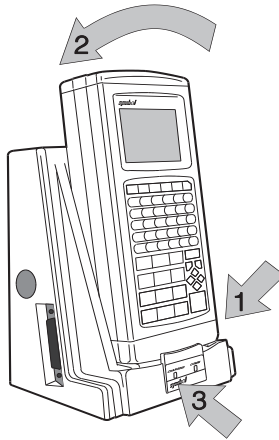
Charging the Battery

Optical End Cap

Warning

Do not perform cradle procedures in potentially hazardous environments.

1. Seat the bottom of the terminal into the bottom of the cradle.



2. Push the top of the terminal against the back of the cradle to latch it securely.
3. The green CHARGING indicator lights and the terminal turns on.

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To Remove the terminal

1. Pull the top of the terminal forward to unlatch it.

Caution

Do not remove the terminal while the red COMM light is blinking.

2. Lift the terminal out of the cradle.

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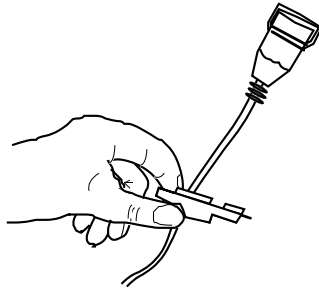
Attaching a Scanner

Warning

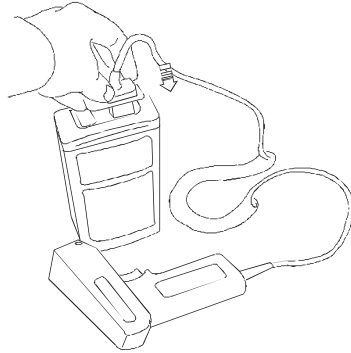
Do not attach scanners in potentially hazardous environments.

Note: *Not all scanners are approved for use in potentially hazardous environments.*

1. Turn the terminal off.
2. Attach the rubber boot to the scanner's connector plug.



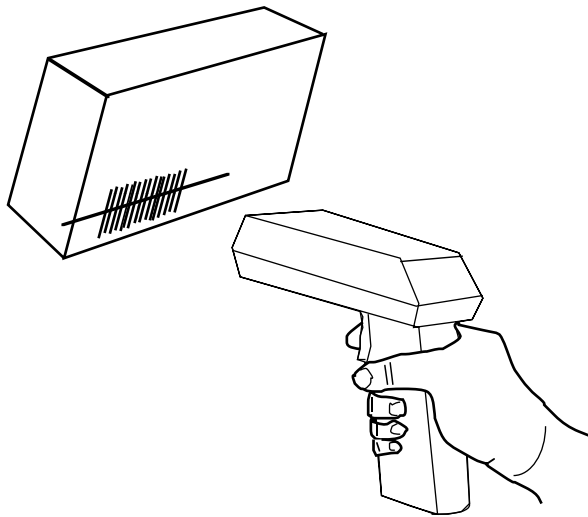
3. Remove the 9-pin connector cover at the top of the terminal and plug in the scanner. Make sure the plug and boot are firmly seated.



Quick Reference

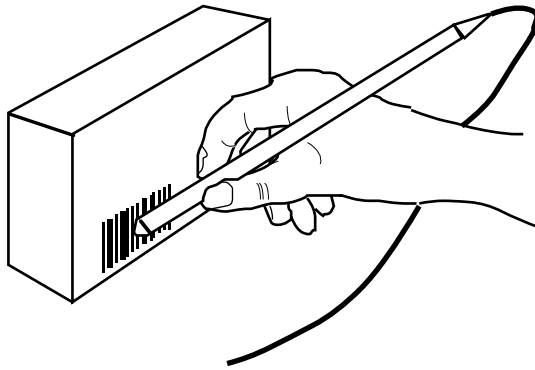
Using a Laser Scanner

1. Pull the scanner trigger to power on the terminal and scanner.
2. Point the laser scanner at the bar code. Pull the trigger and adjust the aim so the red laser beam covers the entire bar code.



Using A Contact Wand Scanner

1. Press **On/Off** to power on the terminal.
2. Holding the wand at a 90 to 45 degree angle, lightly touch the tip of the wand to bar code.



3. Draw the scanner smoothly and at a moderate speed across the entire bar code.

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Removing the Battery Pack

Warning

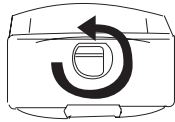
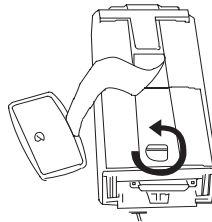
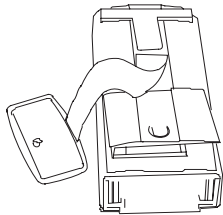
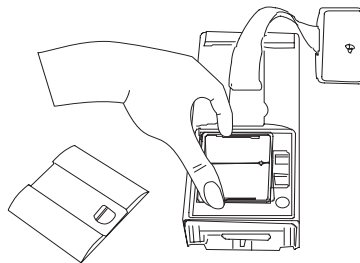
Do not remove or replace batteries in potentially hazardous environments.

1. Turn the terminal off.
2. Release the elastic strap by unlocking and removing the end cap (A). If the terminal has an optical end cap, the strap unclips at the top.
3. Unlock the battery cover latch and remove the battery pack cover (B, C).
4. Turn the terminal over to tip out the NiCad pack. Alkaline batteries must be removed by squeezing the top and bottom of the tray to release the catches and then lifting the tray out (D).

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Installing the Battery Pack

Reverse the procedure listed above. Make sure the positive (+) and negative (-) contacts are in the proper position, as indicated in the battery compartment.

**A****B****C****D**

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Troubleshooting

Message Symptom	Possible Cause	Suggested Action
Double Key Error	Two or more keys were pressed at the same time.	Press keys in sequence.
Low Battery or dark cursor	The main battery pack is running low.	Recharge or replace the battery pack as soon as possible.
Replace Cells	The main battery pack is VERY low. After this message is displayed, the terminal will turn itself off.	Replace or recharge the battery pack immediately.
Dead Lithiums	The backup batteries are low.	Replace. Refer to the <i>Series 3300 System Administration Manual</i> .
Power Fault	The last terminal power off was caused by a terminal power failure.	This occurs if the battery pack is removed with the terminal on or if the batteries fail suddenly.
Terminal will not turn on	Battery pack is dead or missing.	Replace or recharge battery pack.
Terminal does not respond when keys are pressed	Application is malfunctioning.	Return terminal to system administrator, to download the program again.

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Troubleshooting

Message Symptom	Possible Cause	Suggested Action
Scanner does not operate	Scanner connection is loose or disconnected.	Make sure the scanner cable is securely connected.
	Scanning head needs cleaning.	Refer to the scanner guide for cleaning instructions.
	Bar codes are not legible.	Scan another label, or enter data manually.

Quick Reference

Regulatory Information

Radio Frequency Interference Requirements

This device has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the Federal Communications Commissions Rules and Regulation. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Radio Frequency Interference Requirements - Canada

This Class A digital apparatus complies with Industry Canada Standard ICES-003. Cet appareil numérique de la classe A est conforme à la norme NMB-003 d'Industrie Canada.

CE Marking and European Union Compliance



Products intended for sale within the European Union are marked with the CE Mark which indicates compliance to applicable Directives and European Normes (EN), as follows. Amendments to these Directives or ENs are included:

Applicable Directives

- Electromagnetic Compatibility Directive 89/336/EEC
- Low Voltage Directive 73/23/EEC

Applicable Standards

- EN 55 022 - Limits and Methods of Measurement of Radio Interference Characteristics of Information technology Equipment
- EN 50 082-1:1997 - Electromagnetic Compatibility - Generic Immunity Standard, Part 1: Residential, commercial, Light Industry
- IEC 1000-4-2(1995-01) - Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques - Section 2: Electrostatic discharge immunity test.
- IEC 1000-4-3(1995-03) - Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques - Section 3: Radiated, radio-frequency, electromagnetic field immunity test.
- EN 60 950 + Amd 1 + Amd 2 - Safety of Information Technology Equipment Including Electrical Business Equipment
- EN 60 825-1 (EN 60 825) - Safety of Devices Containing Lasers

Quick Reference

Telephone Devices (Modems) - United States

If this product contains an internal modem it is compliant with Part 68 of the Federal Communications Commission Rules and Regulations and there will be a label on the product showing the FCC ID Number and the REN, Ringer Equivalence Number. The REN is used to determine the quantity of devices which maybe connected to the telephone line. Excessive RENs on the telephone line may result in the device not ringing in response to an incoming call. In most but not all areas, the sum of the RENs should not exceed 5.0. To be certain of the number of devices that may be connected to the line, as determined by the total number of RENs, contact the telephone company to determine the maximum REN for the calling area.

If the modem causes harm to the telephone network, the telephone company will notify you in advance; however, if advance notice is not practical, you will be notified as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the modem. If this happens the telephone company will provide advance notice so you may make any necessary modifications to maintain uninterrupted service.

Telephone Devices (Modems) - Canada

If this product contains an internal modem it is compliant with CS-03 of Industry Canada and there will be a Canadian certification number (CANADA: ____) on a label on the outside of the product. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements. The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. In some cases, the company's inside wiring associated with a single-line, individual service may be extended by means of a certified convector assembly (telephone extension cord). The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

User should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution: User should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

The Load Number (LN) assigned to each terminal device denotes the percentage of the total load to be connected to the telephone loop which is used by the device, to prevent overloading. The termination of a loop may consist of any combination of devices, subject only to the requirement that the total of the Load Numbers of all devices not exceed 100.

The Load Number is located on a label on the product.

Contact your local Symbol Technologies, Inc., representative for service and support;

Symbol Technologies, Inc.,
Canadian Sales and Service
2540 Matheson Boulevard East
Mississauga, Ontario
Canada L4W 4Z2
Phone - 905 629 7226

Quick Reference

L'étiquette d'Industrie Canada identifie le matériel homologué. Cette étiquette certifie que le matériel est conforme à certaines normes de protection, d'exploitation et de sécurité des réseaux de télécommunications. Toutefois, le Ministère n'assure pas que le matériel fonctionnera à la satisfaction de l'utilisateur.

Avant d'installer ce matériel, l'utilisateur doit assurer qu'il soit permis de la raccorder aux installations de l'entreprise locale de télécommunications. Le matériel doit également être installé en suivant une méthode de acceptée raccordement. Dans certains cas, les fils intérieurs de l'entreprise utilisés pour un service individuel à ligne unique peuvent être prolongés au moyen d'un dispositif de raccordement homologué (cordon rallonge téléphonique interne).

L'abonné ne doit pas oublier qu'il est possible que la conformité aux conditions énoncées ci-dessus n'empêchent pas la dégradation du service dans certaines situations.

Actuellement, les entreprises de télécommunication ne permettent pas que l'on raccorde leur matériel à des jacks d'abonné, sauf dans les cas précis prévus pas les tarifs particuliers de ces entreprises.

Les réparations de matériel homologué doivent être effectuées par un centre d'entretien canadien autorisé désigné par le fournisseur. La compagnie de télécommunications peut demander à l'utilisateur de débrancher un appareil à la suite de réparations ou de modifications effectuées par l'utilisateur, ou à cause de mauvais fonctionnement.

Pour sa propre protection, l'utilisateur doit assurer que tous les fils de mise à la terre de la source d'énergie électrique, des lignes téléphoniques et des canalisations d'eau métalliques, s'il y en a, soient raccordés ensemble. Cette précaution est particulièrement importante dans les régions rurales.

Avertissement: L'utilisateur ne doit pas tenter de faire ces raccordements lui-même; il doit avoir recours aux services d'un électricien.

L'indice de charge (IC) assigné à chaque dispositif terminal indique, pour éviter toute surcharge, le pourcentage de la charge totale qui peut être raccordée à un circuit téléphonique bouclé utilisé par ce dispositif. La terminaison du circuit bouclé peut être constituée de n'importe quelle combinaison de dispositifs, pourvu que la somme des indices de charge de l'ensemble des dispositifs ne dépasse pas 100.

L'indice de charge se trouve sur le produit.

RF Devices

Symbol's RF products are designed to be compliant with the rules and regulations in the locations into which they are sold and will be labeled as required. The majority of Symbol's RF devices are type approved and do not require the user to obtain license or authorization before using the equipment. Any changes or modifications to Symbol Technologies equipment not expressly approved by Symbol Technologies could void the user's authority to operate the equipment.

Service Information

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

If you have a problem with running your terminal 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:

1-800-653-5350

Outside North America, contact your local Symbol representative.

Quick Reference

Warranty

Symbol Technologies, Inc. ("Symbol") manufactures its hardware products in accordance with industry-standard practices. Symbol warrants that for a period of twelve (12) months from date of shipment, products will be free from defects in materials and workmanship.

This warranty is provided to the original owner only and is not transferable to any third party. It shall not apply to any product (i) which has been repaired or altered unless done or approved by Symbol, (ii) which has not been maintained in accordance with any operating or handling instructions supplied by Symbol, (iii) which has been subjected to unusual physical, electrical stress, misuse, abuse, power shortage, negligence, or accident, or (iv) which has been used other than in accordance with the product operating and handling instructions. Preventive maintenance is the responsibility of customer and is not covered under this warranty. Wear items and accessories having Symbol's serial number will carry a 90-day limited warranty. Non-serialized items will carry a 30-day limited warranty.

Warranty Coverage and Procedure

During the warranty period, Symbol will repair or replace defective products returned to Symbol's manufacturing plant in the US. For warranty service in North America, call the Symbol Support Center at 1-800-653-5350. International customers should contact the local Symbol office's support center. If warranty service is required, Symbol will issue a Return Material Authorization Number. Products must be shipped in the original or comparable packaging, shipping and insurance charges prepaid. Symbol will ship the repaired or replacement product freight and insurance prepaid in North America. Shipments from the US or other locations will be made F.O.B. Symbol's manufacturing plant.

Symbol will use new or refurbished parts at its discretion and will own all parts removed from repaired products. Customer will pay for the replacement product in case it does not return the replaced product to Symbol within 30 days of receipt of the replacement product. The process for return and customer's charges will be in accordance with Symbol's Exchange Policy in effect at the time of the exchange.

Customer accepts full responsibility for its software and data including the appropriate backup thereof. Repair or replacement of a product during warranty will not extend the original warranty term. Symbol's Customer Service organization offers an array of service plans, such as on-site, depot, or phone support, that can be implemented to meet customer's special operational requirements and are available at a substantial discount during warranty period.

General

Except for the warranties stated above, Symbol disclaims all warranties, express or implied, on products furnished hereunder, including without limitation implied warranties of merchantability and fitness for a particular purpose. The stated express warranties are in lieu of all obligations or liabilities on part of Symbol for damages, including without limitation, special, indirect, or consequential damages arising out of or in connection with the use or performance of the product.

Seller's liability for damages to buyer or others resulting from the use of any product, shall in no way exceed the purchase price of said product, except in instances of injury to persons or property. Some states (or jurisdictions) do not allow the exclusion or limitation of incidental or consequential damages, so the proceeding exclusion or limitation may not apply to you.



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