

Charge–N–Run™ PDA Charging System for Palm™ VII/ III Series of PDAs*



* See **FEATURES** and **COMPATIBILITY** Section for other supported products.

Notice Information

Copyright © Pellico Systems 2001
version 1.3a, part number 83001–uman

NO WARRANTY. This User Manual and Installation Guide ("Technical Documentation") is being delivered to you AS-IS, and Pellico Systems makes no warranty as to its accuracy or use. Any use of this Technical Documentation or the information contained therein is at the risk of the user. The Technical Documentation may include technical or other inaccuracies or typographical errors. Pellico Systems reserves the right to make changes without prior notice.

No part of this User Manual and Installation Guide may be copied without the express written permission of Pellico Systems, 1440 Oliver Ave., San Diego, CA 92109

"Charge–N–Run", "Charged And Ready to Run", and "Pellico Systems" are trademarks of D.J. LaRue Enterprises, Inc. All other brand names and trademarks shown in this manual and on the product packaging are the property of their respective owners and are hereby acknowledged.

I. Items in this package

Charge–N–Run™ charging adapter with power supply, rechargeable battery pack, battery door, and this users manual.

1. Remove items from the shipping container, identify all items, and observe they are in good condition. If any item is damaged, return the complete package to the place of purchase.

WARNING: Perform a HotSync® function to backup your data before proceeding!

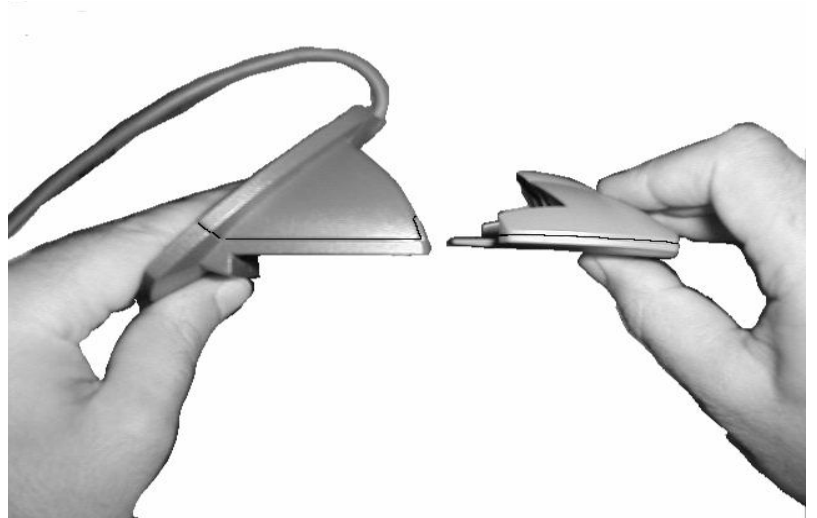
WARNING: Installation requires at least a continuous 8 hour charge!

II. Installation

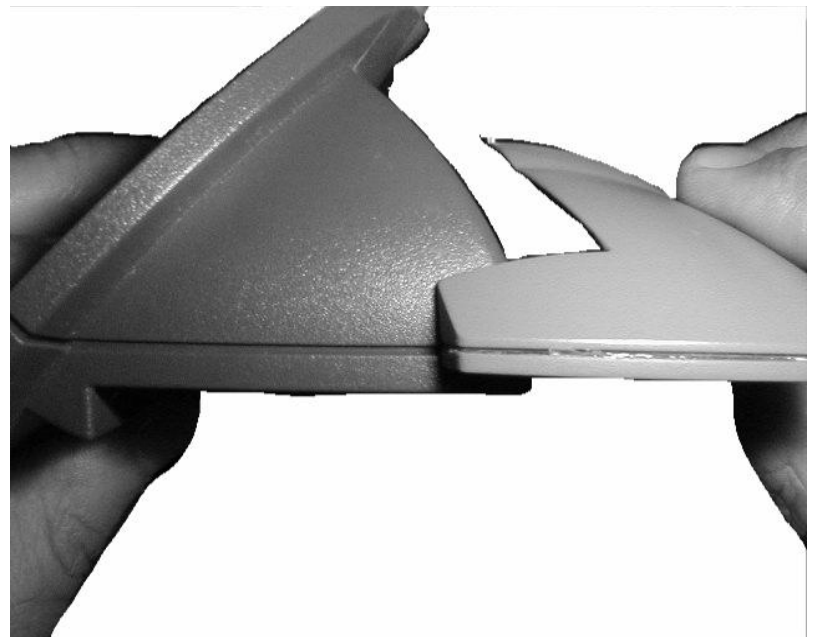
1. **Notice there are tabs** on the adapter which, in the next step, will go into the slots on the sides of the cradle when aligned correctly (see figure)



2. **Hold the cradle** upside down in your left hand and hold the adapter upside down in your right hand then **slide the adapter onto your cradle by aligning the slots on the adapter with the slots on the cradle and gently push on the adapter** (see figures).



3. **Plug the Power Supply** into an active power outlet. The Status Indicator should blink momentarily and then remain in the Steady-On state.



4. **Turn your PDA Off** and place it upside down ("door up") on a clean flat surface . If you can read the writing on the back of the PDA, the orientation is correct.

5. Remove the old batteries and replace them with the new battery pack so that the "+" and "-" labels are leftmost in the PDA(see figure). Install the new battery door.



6. Turn the PDA ON and place it in the cradle for its initial charge of at least 8 hours. After the initial charge, follow the **Battery Maintenance Instructions** to always be "**Charged and Ready to Run**"™.

NOTE: Your battery gauge might not be accurate any longer. See "**Battery Gauge Accuracy**" in **Section VI** for more information.

7. Congratulations! Your PDA is now being powered by **Charge-N-Run's**™ advanced battery pack and charging system. The battery pack should not have to be replaced for years to come. Be sure to properly dispose of your old alkaline batteries. Call your local recycling center for information on disposal and recycling of alkaline batteries.

III. Battery Maintenance Instructions

1. The **Charge-N-Run**™ battery pack was designed for a long and useful life under normal use.
2. It is recommended you "**condition**" your new battery pack for maximum life. After the initial 8 hour charge, use your PDA until you get the low battery warning. The time it takes to get the warning this first time will vary depending on how much of a charge your battery pack had when it shipped. Once you get the low battery warning, turn the PDA ON and put it in the cradle for at least 8 hours to charge the battery pack back up to a full charge. Then repeat this drain/charge prodder one more time to 'prime' your battery pack for a long life. This procedure is not a requirement, but it will help you get the most out of your rechargeable battery pack.
3. When periodically charged, a few hundred cycles can be expected from your **Charge-N-Run**™ battery pack resulting in up to 2 – 3 years of use. Under heavy loads and deep discharges, less than 2 years of service could be expected.
4. The longest battery pack life will result from topping off the batteries weekly. It is recommended to once a year discharge the **Charge-N-Run**™ battery pack to the point where the low battery warning message is displayed and then complete a full 8 hour charge. This will ensure the full charge capacity is always available.
5. For replacement battery packs see our web site at <http://www.charge-n-run.com>.

IV. Warnings

1. The Charge State Indicator light should blink a few times and then remain in the **Steady-On** state a few seconds after plugging in the power supply. If the Charge State Indicator fails to blink a few times or does not remain in the **Steady-On** state, with no PDA installed, then the **Charge-N-Run™** cradle adapter is damaged and the entire package should be returned to the place of purchase.
2. Data loss may occur if the installation steps are NOT followed correctly. Keep in mind that the PDA can not retain data for very long without battery power. It is important that you thoroughly read and understand the battery pack installation steps before removing the existing PDA batteries.
3. When installing the **Charge-N-Run™** Replacement Battery Door, don't force the door. It should install smoothly and latch into place when the **Charge-N-Run™** battery pack is installed correctly. If the new door does not fit correctly, reinstall the alkaline batteries for one full minute to preserve your data then follow the battery installation steps again if needed.

V. Features and Compatibility

Charge State Indicator

The charge state indicator light located on the left side of the **Charge-N-Run™** cradle adapter will indicate three charging states:

- 1) Steady-ON: No charging is occurring. Ready for PDA insertion.
- 2) Slow-Blink: Maintenance charge. Batteries are fully charged.
- 3) Fast-Blink: Charging in progress. Batteries are less than fully charged.

Depending on the **Charge-N-Run™** battery pack's charge level, the microprocessor controlled charge circuit will adjust the charge cycle to optimize the charge state and life of the **Charge-N-Run™** battery pack.

NOTE: When the external power unit is plugged in, the **Charge-N-Run™** microprocessor will blink the charge state indicator a few times before the charger is ready for use.

Compatibility

Your **Charge-N-Run™** product was designed for use with the following PDA's:
Palm™ VII/x, III/x/x/e, Symbol SPT1500™, IBM WorkPad c5™, TRG pro™

Operating Characteristics

For indoor use only. Only operate within the following operating temperature range, 0°C to 40°C (32°F to 104°F).

VI. Cautions and Cleaning Information

First Time Use

Because the **Charge–N–Run™** battery pack may be shipped in a discharged state, the initial charge cycle requires no less than 8 continuous hours in the **Charge–N–Run™** adapted cradle before using the PDA out of the cradle. Use of the PDA in the cradle during this period is allowed but should be limited to less than a total of one hour.

Optimizing Charging

Turn your PDA ON each time just prior to insertion into the cradle. This will provide a more accurate reading to the microprocessor controlled charging circuit and result in optimized charging cycles. Pushing any of the four application launch buttons is one easy way to do this.

Battery Gauge Accuracy

The battery gauge on your PDA may not accurately represent a full charge on the **Charge–N–Run™** battery pack. This is because most PDAs ship with the battery gauge setting set for alkaline type batteries and the **Charge–N–Run™** battery pack uses NiMH battery technology. To select the correct setting for your new battery pack (NiMH or NiCad) see our web site at <http://www.charge–n–run.com> for free software and instructions.

Cleaning Contacts

The battery contacts and cradle adapter spring contacts should be kept clean. If oil or other contaminants are present, charging capabilities may be reduced. To clean the battery contacts, use a small amount of isopropyl alcohol on a clean lint–free rag. Moisten but don't dampen the rag to prevent excess fluid from damaging components.

1) **To clean the cradle adapter contacts:** Wipe the contacts one at a time by using a top–to–bottom (up–>down) motion following the guide on the cradle adapter to each of the spring contacts. Just 2–3 wipes should be sufficient under normal use. Repeat if necessary.

CAUTION: Any side to side motion could damage the cradle adapter contacts.

2) **To clean the battery pack contacts:** Wipe the contacts from left–to–right across both contacts.

CAUTION: The battery door must remain installed to prevent fluids from entering the PDA and causing damage.

Battery Replacement

If the battery pack will not hold a charge for very long, a replacement battery pack may be required. Replacement battery packs can be purchased from our web site at <http://www.charge–n–run.com>

VII. Frequently Asked Questions

Please see our web site at <http://www.charge–n–run.com> for product FAQ's. To ask us questions about Charge–N–Run send email to support@pellico.com with a subject of **CNR–questions**.

VIII. Pellico Systems Limited Warranty

Limited warranty

Pellico Systems warrants that its Charge–N–Run PDA charger (the "Product") will, if properly installed, used, and maintained, be free from defects in materials and workmanship for a period of one (1) year from the date of purchase. If the Product which is the subject of this Limited Warranty fails during the warranty period for reasons covered by this limited warranty, Pellico Systems will, at its sole option, repair the product, replace the product, or refund the purchase price of the Product. This limited warranty does not cover damages due to external causes, including accident, problems with electrical power, usage not in accordance with product instructions, neglect, alteration, repair, or improper installation.

How to obtain warranty service

All warranted products must be accompanied with proof of purchase and a Return Material Authorization (RMA) number. Contact Pellico Systems customer support for shipping instructions and an RMA number. No product will be accepted for warranty service without proof of purchase and an authorized RMA number clearly printed on the outside surface of the shipping container. If Pellico systems determines that the defect was caused by misuse or abnormal operating conditions, the cost of the repair will be billed to the customer

Warranty limitations and exclusions

THESE WARRANTIES REPLACE ALL OTHER WARRANTIES, EXPRESS OR IMPLIED INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. PELLICO SYSTEMS MAKES NO EXPRESS WARRANTIES BEYOND THOSE STATED HERE. PELLICO SYSTEMS DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

SOME LAWS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO THIS LIMITATION MAY NOT APPLY TO YOU. IF THESE LAWS APPLY, THEN ALL EXPRESS AND IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE LIMITED WARRANTY PERIOD. NO WARRANTIES APPLY AFTER THAT PERIOD. SOME LAWS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THIS LIMITATION MAY NOT APPLY TO YOU.

Limitations of liability

PELLICO SYSTEMS' RESPONSIBILITY UNDER THIS OR ANY OTHER WARRANTY, IMPLIED OR EXPRESS, IS LIMITED TO REPAIR, REPLACEMENT, OR REFUND, AS SET FORTH ABOVE. THESE REMEDIES ARE THE SOLE AND EXCLUSIVE REMEDIES FOR ANY BREACH OF WARRANTY. PELLICO SYSTEMS IS NOT RESPONSIBLE FOR INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR UNDER ANY OTHER LEGAL THEORY INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, DOWNTIME, GOODWILL, DAMAGE TO OR REPLACEMENT OF EQUIPMENT AND PROPERTY, DAMAGE TO OR LOSS OF DATA, OR COSTS OF DATA RECOVERY OR REPROGRAMMING. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM JURISDICTION TO JURISDICTION.

Pellico Systems
attn: Customer Service
1440 Oliver Ave
San Diego, CA. 92109
<http://www.pellicosystems.com>
1-866-PELLICO