



WA1210-G2 & WA1310-G2

WORKABOUT PRO

Powered Vehicle Cradle User Manual

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Return-To-Factory Warranty

Psion Teklogix provides a return to factory warranty on this product for a period of twelve (12) months in accordance with the statement of Warranty and Product Support provided at:

www.psionteklogix.com/warranty.

The warranty on Psion Teklogix manufactured equipment does not extend to any product that has been tampered with, altered, or repaired by any person other than an employee of an authorized Psion Teklogix service organization. See Psion Teklogix terms and conditions of sale for full details.



Important: Psion Teklogix warranties take effect on the date of shipment.

Service

Psion Teklogix provides a complete range of product support services to its customers.

For detailed information, please refer to Chapter 5: Support Services & Worldwide Offices. This section also provides information about accessing support services through the Psion Teklogix web site.



Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC

This Product, and its accessories, comply with the requirements of the Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC.

If your end-of-life Psion Teklogix product or accessory carries a label as shown here, please contact your local country representative for details on how to arrange recycling. For a list of international subsidiaries, please go to:

<http://www.psionteklogix.com/EnvironmentalCompliance>

List of Approvals

North America

EMC: FCC part 15, subpart B; class B

Europe

EMC and Low Voltage Directives

This equipment complies with the essential requirements of EMC Directive 2004/108/EC and Low Voltage Directive 72/23/EEC Declaration of Conformity available on www.psionteklogix.com/DoC

CE CE Mark

When used in a residential, commercial or light industrial environment the product and its approved UK and European peripherals fulfill all requirements for CE marking.

E mark: vehicle directive 95/54/EEC

Most of the world countries - safety approvals covered by CB report based on EN60950-1.

Restriction On Hazardous Substances (RoHS) Directive 2002/95/EC

What is RoHS?

The European Union has mandated that high environmental standards be met in the design and manufacture of electronic and electrical products sold in Europe, to reduce hazardous substances from entering the environment.

The “Restriction on Hazardous Substances Directive (RoHS)” prescribes the maximum trace levels of lead, cadmium, mercury, hexavalent chromium, and flame retardants PBB and PBDE that may be contained in a product. Only products meeting these high environmental standards may be “placed on the market” in EU member states after July 1, 2006.

RoHS Logo

Although there is no legal requirement to mark the RoHS-compliant products, Psion Teklogix Inc. indicates its compliance with the directive as follows:

The RoHS logo located either on the back of the product or underneath the battery in the battery compartment (or on a related accessory such as the charger or docking station) signifies that the product is RoHS-compliant as per the EU directive. Other than as noted below, a Psion Teklogix product that does not have an accompanying RoHS logo signifies that it was placed on the EU market prior to July 1, 2006, and is thereby exempt from the directive.



Note: Not all accessories or peripherals will have a RoHS logo due to physical space limitations or as a result of their exempt status.

Disclaimer

Every effort has been made to make this material complete, accurate, and up-to-date. In addition, changes are periodically added to the information herein; these changes will be incorporated into new editions of the publication.

Psion Teklogix Inc. reserves the right to make improvements and/or changes in the product(s) and/or the program(s) described in this document without notice, and shall not be responsible for any damages, including but not limited to consequential damages, caused by reliance on the material presented, including but not limited to typographical errors.

Declaration of Conformity

Declaration of Conformity Documents are provided at:
www.psionteklogix.com/DoC

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Powered Vehicle Cradle: WA1210-G2 7525M/C, 7527 C WA1310-G2 7525S, 7527S

1.0 Important Vehicle Cradle Instructions

- Before using a Vehicle Cradle, read all instructions and markings on the housing.
- Do not operate a Vehicle Cradle if struck by a sharp blow, dropped, or otherwise damaged in any way; qualified service personnel should inspect for internal damage.



Important: SAVE THESE INSTRUCTIONS – This manual contains important operating and maintenance instructions for the Vehicle Cradle series.



DO NOT EXPOSE TO RAIN OR SNOW! However, the Vehicle Cradles are designed to accept a wet WORKABOUT PRO without harmful effect.



Important: This WORKABOUT PRO Vehicle cradle cannot be used with other non- WORKABOUT PRO cradle accessories. Although they may share the same battery terminating connector, they are designed with different applications in mind.



Important: The WA1210-G2, and WA1310-G2 Vehicle Cradles have a cable that terminates in a 15-pin connector. Please do not connect a VGA Monitor or a Computer to these 15-pin connectors. This will interfere with the WORKABOUT PRO operation. WARNING - The Vehicle Cradle cannot be used with other non- WORKABOUT PRO cradle accessories. Although they may share the same battery terminating connector, they are designed with different applications in mind.

2.0 Vehicle Cradle Mounting Recommendations



Important: Before mounting a Vehicle Cradle in a vehicle, there are a number of operator safety issues that require careful attention. An improperly mounted Vehicle Cradle may result in one or more of the following: operator injury, operator visibility obstruction, operator distraction and/or poor ease of egress for the operator. Psion Teklogix strongly recommends that you seek professional mounting advice from the vehicle manufacturer.

Cable routing within a vehicle cab also requires careful consideration, especially for separately tethered scanners and other devices with loose cables. If you are unable to obtain suitable advice, contact Psion Teklogix for assistance (see Chapter 5: Support Services & Worldwide Offices).



Important: The WORKABOUT PRO Vehicle Cradles are designed to be compatible with any RAM-B mounting interface.



Note: In addition, for safety reasons, only pedestal mounts with fully locking joints should be used in vehicles. Always adjust the pedestal for the optimum viewing angle, and securely tighten the hex and wing screws.

The most effective way to mount the Vehicle Cradle RAM mount is to use the seven #8-32X 3/8 threaded inserts on the rear of the unit. Bolts must not extend more than .20” into the Vehicle Cradle.

If you wish to custom mount the Vehicle Cradle to a surface other than the recommended Ram-B, please take the following precautions:

1. When installing the cradle, ensure the driver's view is not obstructed.
2. Install cradles so as to not obstruct vehicle safety features, i.e. airbags, seat belts, etc.
3. Ensure cradle is secured to the vehicle in a safe location. Injury may result otherwise.
4. Ensure the mounting has capacity to hold the cradle and terminal. Cradle plus terminal weight is approx. 2 lbs.
5. Psion Teklogix has recommended and approved mounts. Consult Psion Teklogix Customer Service for direction.

To accommodate the service loop of the connector cable, leave a 4" clearance at the bottom of the Vehicle Cradle. Leave a 7" clearance at the top of the Vehicle Cradle to allow easy removal of the WORKABOUT PRO. Refer to the detailed assembly instructions that are packaged with the pedestal when selecting a mounting location.



Note: A template for the Vehicle cradle rear mount system is provided on the next page. Remove that page only - to use this template.

Please be aware:

Before Psion Teklogix releases a product, our engineering team exposes that product through a series of severe testing to ensure it will survive in the rugged environments in which our products are typically used. These tests usually include shock and vibration testing as well as IP testing for water and dust, electrical shock, etc.

The third party should perform the same type of testing in order to ensure the design will maintain the factory specifications of the product. If the third party company is unwilling to perform the necessary testing and take responsibility for the affects of the design, then we highly recommend using Psion Teklogix designed and supported accessories.

If you elect to use a third party company produced cradle, Psion Teklogix cannot take responsibility for the affects of that third party product when it causes failure to our device.



2.1 Cable Arrangement

Before installing the cables between the Vehicle Cradle and other devices, consider the following:

- Ensure that drilling holes will not damage the vehicle or its wiring.
- Protect cable runs from pinching, overheating and physical damage.
- Use grommets to protect cables that pass through metal.
- Use plastic straps and tie-downs to secure cables and connectors in their desired location, away from areas where they may get snagged or pulled.
- Keep cables away from heat sources, grease, battery acid and other potential hazards.
- Keep cables away from control pedals and other moving parts that may damage the cables or interfere with the operation of the vehicle.

2.2 Port Replicator Cable



Important: The WA1210-G2 and WA1310-G2 Vehicle Cradles have a Data Cable that terminates in a 15-pin connector. Please do not connect a VGA Monitor or a Computer to these Data Cables. This will interfere with the WORKABOUT PRO operation.

The Data Cable connects to the optional Port Replicator (WA4005-G1). Refer to the Port Replicator manual for installation instructions.

In the event that the Port Replicator cable is too short, Psion Teklogix recommends the use of a standard VGA extension cable or equivalent. Pins should be pass-through only. It is recommended that the total cable length be kept under 3m (10') for best performance.

3.0 The Powered Vehicle Cradle

The Powered Vehicle Cradle is designed to allow the WORKABOUT PRO to be powered by a vehicle battery. The battery installed in the WORKABOUT PRO is also recharged by the vehicle battery. This option accepts DC power sources over the range 9V to 20V.



Warning: Applying a voltage above 20VDC or reversing polarity may result in permanent damage to the Vehicle Cradle power section and will void the product warranty. For safety reasons, disconnect the Vehicle Cradle power cable when the battery is being charged.

3.1 Wiring Vehicle Power To The Powered Vehicle Cradle

- A power cable (AMP - circular plastic connector - 2-pin) extends from your power Vehicle Cradle. Using a power extension cable (Psion Teklogix Model # CA1210 - order separately), this cradle can be wired to a filtered, fused (maximum 5A) accessory supply on the vehicle. This extension cable is sheathed to provide added ruggedness.

- The power Vehicle Cradle draws no more than 2.5A . Any additional wiring, connectors or disconnects used should be rated for at least 5A. The Powered Vehicle Cradle is fully isolated and can be used with both negative and positive chassis vehicles.
- You have the option of connecting power to the Cradle before or after the ‘key’ switch.
- It is preferable to wire after the key switch. In this configuration, when the key is turned ON, the vehicle will power the terminal and charge the internal battery when needed. When the vehicle ignition is OFF, the WORKABOUT PRO will run on its internal battery,
- However, if the operator switches the key off repeatedly for long periods during a shift, it may make more sense to wire the Vehicle Cradle before the switch. In this case, the Terminal will always operate from vehicle power and that power will charge the battery when needed.
- Keep in mind that the WORKABOUT PRO and Port Replicator accessory will continue to operate with or without vehicle power as long as the WORKABOUT PRO internal battery has sufficient charge.
- If an unfused power source must be used a fuse assembly (PN 19440-300) must be added to the extension power cable (the fuse and instructions are supplied with the cable). Use only a 5A slow blow UL approved fuse in the fuse assembly.

4.0 Using The Vehicle Cradle

If your WORKABOUT PRO is equipped with a protective carrying case or other such case, these accessories need to be removed before installing the unit in the Vehicle Cradle. There is no need to remove handstraps, pistol grips or tethered devices from the unit.

The correct installation places the computer in the cradle to the point where resistance is met and then presses the cradle down through the resistance into the locking position.

Removal remains the same process as in the manual.

Push the release button to the rear, the computer moves upward. Then lift. (*Figure 4.1*)



Step 1

Place the computer in the cradle to the point where resistance is met.

The stop ensures electrical contact will not be made until the terminal is fully inserted.



Step 2

Press the computer down through the resistance until it bottoms on the cradle.

The locks will engage.

This can be one smooth motion if you wish.



Figure 4.1

4.1 Cleaning and Maintaining The Vehicle Cradle

- Do not immerse the unit in water. Dampen a soft cloth with mild detergent to wipe the unit clean.
- Use only mild detergent or soapy water on a slightly damp cloth to clean the Vehicle Cradle.
- Avoid abrasive cleaners, solvents or strong chemicals for cleaning.
- The Vehicle Cradle has a plastic case and stamped logo that is susceptible to harsh chemicals. The plastic and stamping is partially soluble in oils, mineral spirits and gasoline. They slowly decompose in strong alkaline solutions.
- To clean ink marks from the label, use isopropyl alcohol.
- Two latches in the Vehicle Cradle holds the WORKABOUT PRO firmly in place. Although this mechanism is designed for at least 20,000 cycles, it will wear over time and will no longer lock the WORKABOUT PRO securely in the Vehicle Cradle. For replacement parts and instructions contact Psion Teklogix (See 5.0: Support Services And Worldwide Offices). Partial disassembly is required.

5. Support Services & Worldwide Offices

Psion Teklogix provides a complete range of product support services to its customers worldwide. These services include technical support and product repairs.

5.1 Technical Support

For technical support in North America:

Call Toll free: +1 800 387 8898 Option 3, or

Direct Dial: +1 905 813 9900 Ext. 1999 Option 3.

For technical support in EMEA (Europe, Middle East and Africa), please contact the local office listed in the website below:
<http://www.psionteklogix.com/EMEASupport>

For technical support in Asia, please contact the local office listed in the website: *<http://www.psionteklogix.com>*

Technical Support for Mobile Computing Products is provided via email through the Psion Teklogix customer and partner extranets. To reach the website, go to www.psionteklogix.com, and click on the appropriate Teknet link on the home page. Then click on the “Login” button or the “Register” button, depending on whether you have previously registered for Teknet. Once you have logged in, search for the “Support Request Form”.

5.2 Product Repairs

For repair service in North America:

Call Toll free: +1 800 387 8898 Option 2 or

Direct Dial: +1 905 813 9900 Ext. 1999 Option 2.

For repair service in EMEA (Europe, Middle East and Africa), please contact the local office listed in the following website:

<http://www.pSIONteklogix.com/EMEASupport>

For repair service in Asia, please contact the local office listed in the website below:

<http://www.pSIONteklogix.com>

5.3 Worldwide Offices

COMPANY HEADQUARTERS

Psion Teklogix Inc.
2100 Meadowvale Boulevard
Mississauga Ontario
Canada L5N 7J9
Tel: +1 905 813 9900
Fax: +1 905 812 6300
Email: salescdn@psion.com

CANADIAN SERVICE CENTRE

Psion Teklogix Inc.

7170 West Credit Ave., Unit #1

Mississauga, Ontario

Canada L5N 7J9

Tel: +1 800 387 8898 Option 2 - or -

Direct: +1 905 813 9900 Ext. 1999 Option 2

Fax: +1 905 812 6304

Web: www.psionteklogix.com

NORTH AMERICAN HEADQUARTERS AND U.S. SERVICE CENTRE

Psion Teklogix Corp.

1810 Airport Exchange Boulevard

Suite 500

Erlanger, Kentucky

USA 41018

Tel: +1 859 371 6006

Fax: +1 859 371 6422

Email: salesusa@psion.com

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INTERNATIONAL SUBSIDIARIES

(SEE ALSO WWW.PSIONTEKLOGIX.COM/SUBSIDIARIES)

PSION TEKLOGIX S.A.

La Duranne

135 Rue rene Descartes BP 421000

13591 Aix-En-Provence

Cedex 3, France

Tel: +33 4 42 90 88 09

Fax: +33 4 42 90 88 88

E-MAIL: TEKEURO@PSION.COM

For a complete listing of international offices, please refer to:
www.pSIONteklogix.com

