

# RadioWorks for SAP

Wireless maintenance inventory management for SAP

RadioWorks for SAP is a software solution that provides wireless real-time interactive entry of SAP maintenance inventory transactions. The system is a bolt-on product that installs on top of a live SAP system in less than a day.

RadioWorks for SAP includes cycle counting, receiving, issuing, and label printing functions. Data is fully validated as it is entered, and transactions are immediately posted to the database. No additional docking, synchronization, download, upload, validation, or confirmation steps are required. Users at desktop computers will immediately see newly updated quantities. Integration with SAP is extensive: By using existing user accounts, passwords, and security settings, RadioWorks for SAP provides a familiar and secure environment. The application includes full support for special features like serialized equipment and GR-based invoicing on purchase orders.

The user interface is fast, compact, and streamlined for inventory transactions. Designed by experienced stores managers, the screens provide the most efficient workflow. Seldom used fields are hidden. Data entry and keystroke counts are kept to an absolute minimum. The software also provides full support for a second set of material numbers to ease the transition from a legacy system.

Bar coding is an integral part of RadioWorks for SAP and bar code readers are built-in to all handheld computers supported. Label printing is supported within the application itself. You can print receiving and bin labels quickly and directly from the handhelds.

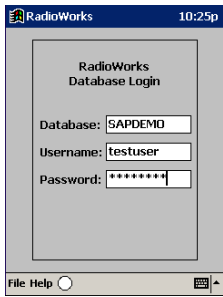
No tool provides faster, easier, more complete, or more accurate data entry into SAP than RadioWorks.



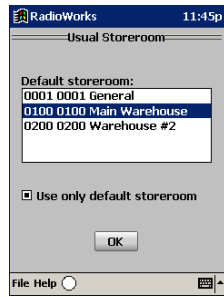
A Symbol PocketPC computer and an Intermec MS-DOS computer that both run RadioWorks. Both have full keypads and built-in laser scanners.

## System Features

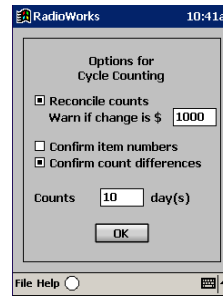
- Runs SAP receiving, issuing, and counting transactions right out of the box.
- Immediate data validation and transaction feedback
- Integrated label printing and report printing.
- Works with SAP versions 4.6b and above.
- Customizable screens and program logic. New transactions, against SAP or other systems, can be added by in-house programmers.
- Runs on a wide variety of MS-DOS, Windows CE, and Pocket PC based hand-held computers.
- Backend uses services on Windows NT for security and reliability.
- Operation on multi-site SAP systems fully validated and supported.
- Full support for legacy material numbers during data entry and label printing.
- 30 days technical support. Additional contract support is available.



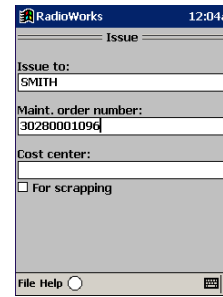
Login screen. User names, passwords, and security are taken from settings already in place.



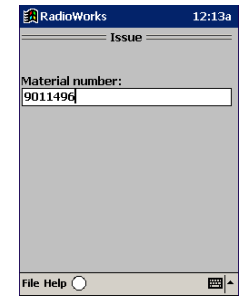
Storeroom selection. SAP can use multiple storerooms, but users generally work with just one. RadioWorks can hide the other storerooms.



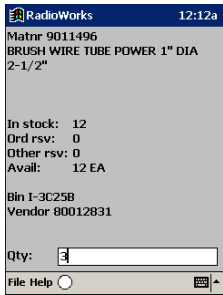
Cycle counting options. Current balances can optionally be reconciled immediately. A time cutoff can eliminate duplicated work.



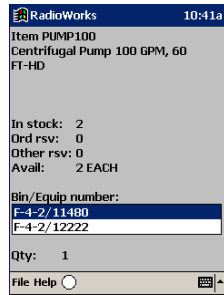
Issuing screen 1. A maintenance order number or another account source is validated immediately.



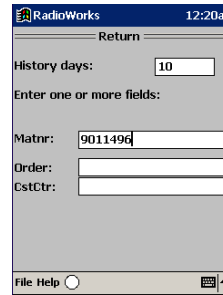
Issuing screen 2. Material numbers are entered either manually or by scanning a bar code.



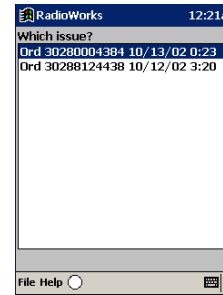
Issuing screen 3. The quantity is validated and the issue omitted. The system returns to screen 2 to issue more items using the information originally entered on screen 1.



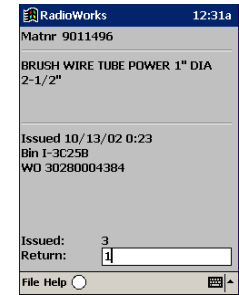
Issuing screen 3 for serialized equipment. For serialized equipment, a user must select exactly which piece is issued. The issue quantity must be 1.



Returns screen 1. A history cutoff and either a material number, maintenance order number, or other account source are used to build a list of issues displayed on screen 2.



Returns screen 2. A user selects the goods issue transaction to match against the return.



Returns screen 3. After a quantity is validated the return transaction is committed and the system returns to screen 1.

## System Operation

### Application

- Windows NT services manage wireless communication, persistent database connections, and execution of external scripts. Data and code are generated and sent to handhelds with customizable Perl and NT command scripts.
- Handhelds run a thin client.

### Database Transactions

- Software uses RFC's and BAPI's to retrieve data and run database transactions.

### Printing

- Server scripts send dynamically generated labels directly to printers using the lpr protocol. Direct printing of SQR reports also supported.

## System Requirements

### SAP System

- SAP R/3 4.6b or later.

### Middleware Server

- Intel Pentium 200 MHz based computer, 64 megabytes RAM, 50 megabytes free hard drive space
- Windows NT 4.0 SP 5/Windows 2000 with TCP/IP. No ODBC, SAP client, or DCOM installation required.

### Radio Equipment and Handheld Computers

- Intermec, Symbol, or other handheld computers running Windows CE 2.11, 3.0 or PocketPC 2002 and supporting wireless TCP/IP connectivity.
- Intermec, Symbol, or other handheld computers running MS-DOS 5.0 and supporting wireless connectivity through an ODI device driver.
- Matching network access points.
- Legacy Intermec Janus 2020 900 MHz handheld computers and 9180 network controllers are also supported.

### Printers

- Intermec IPL-capable label printer, network-ready or with external network interface.
- PostScript capable or Windows compatible printer, network-ready or with external network interface.

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