SD-900W Series Upgrade Kit
User's Manual

POSIFLEX

Rev. Original

FCC Notes:

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

Warranty Limits:

Warranty will terminate automatically when the equipment is opened by any person other than the authorized technicians. The user should consult his/her dealer for the problem happened. Warranty voids if the user does not follow the instructions in application of this merchandise. The manufacturer is by no means responsible for any damage or hazard caused by improper application.

The hardware utility program, including instructions for its use, is provided "AS IS" without warranty of any kind. Posiflex Technologies, Inc. further disclaims all implied warranties including without limitation any implied warranties of merchantability or of fitness for a particular purpose. The entire risk arising out of the use or performance of the software and documentation remains with you.

About This Manual:

This manual is written in an attempt with full strength to assist the user to utilize the upgrade kit SD-900W for the Posiflex fan free touch terminals KS systems with vertical fin main unit. This series of products incorporate 2 delicately designed POS peripherals each can be used as an excellent tool to accommodate the required security specially involved in POS business, kiosk and hospitality operation. This manual covers the conceptual and operational aspects of these units. For technical aspects involving opening of the unit or option implementation, it is only available to the authorized distributors.

The manufacturer of the SD-900W series heartily apologizes to the user for reserving the right to change or to modify this manual without notice due to the rapid and constant progress and improvement on science and technology. The user may always obtain the most up to date information through any of our web sites: http://www.posiflex.com or http://www.posiflex.com.tw.

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<u>**TRADE MARKS AND SERVICE MARKS:**</u>

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FEATURES

- ISO 7811 Magnetic Stripe Reader in USB full speed HID interface
- Options for MSR heads covering 1&2 and all 3 tracks
- 3 tracks type MSR can read also AAMVA and CA DMV card
- Optional WiFi module in USB interface
- Total power consumption: 400 mA @ 5V DC
- Upgrade kit for fan free touch terminals KS-66/73 series

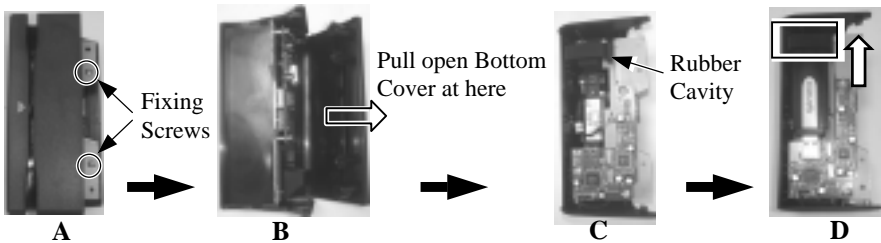# INSTALLATION
HARDWARE INSTALLATION

For SD-900W series ordered with the host system KS-66/73 series, it is installed on the system at delivery. For separately ordered SD-900W series, it is delivered separately from the system and needs to be fixed onto the system per following instructions before use.

You may find two screw holes on back of the right side of the KS-66/73 series. Remove these 2 screws to remove the cover for side mount upgrade kit. Take out the cable inside this cover as circled in the pictures and connect it to 6 pin white connector inside the side mount upgrade kit SD-900W series as rectangular marked in the picture at right. Gently arrange the excessive length of this cable back in the hole and screw it back to the place originally occupied by the cover. Please reserve the cover if there is chance to have the side

mount kit removed in the future.

For optional WiFi module, please follow procedures from **A** to **D** below to install it prior to the SD-900W installation. Please remove the 2 fixing Screws on PCB metal bracket of SD-900W (**A**). Pull the plastic bottom cover (**B**) to separate the plastic bottom cover from the upgrade kit and to show inside of SD-900W(**C**). Insert the WiFi module body in the rubber cavity as arrowed and connect USB connector of WiFi module to SD-900W (**D**) Reverse procedure **B** and **A** to put back the plastic bottom cover by engaging the 2 hooks on the other edge first and to fix the 2 screws back.

Fixing Screws — A

Pull open Bottom Cover at here — B

Rubber Cavity — C

D

DRIVER INSTALLATION

1. **For MSR:** The magnetic stripe reader, no matter how many tracks are in the reader head, connects to the host through USB port working as a USB KB and also requires no driver installation except setting up the USB keyboard to be enabled in system CMOS setup if the OS does not do it automatically. Refer to "Operation Guide" for manipulation over the reader configuration.
2. **For WiFi:** Please follow instructions given in the CD delivered with this option for necessary driver installation.

OPERATION GUIDE

MAGNETIC STRIPE READER

The MSR in SD-900W series reads an ISO magnetic stripe card without driver. Yet, there is a "Posiflex USB MSR Manager" program provided to control some parameter configuration for the MSR readout format. The features controllable in this program covers each track enable/disable, Alt+Num approach for ASCII codes and Leading/Ending code setting. The function for enabling each track of course comes in effect only when the track is physically available. Please find in the mini CD delivered with SD-900W or Product Information CD or DVD delivered with Posiflex POS system the folder for "USBMSR" and "SetUp" this demo program or download the installation program from our web http://www.posiflex.com or http://www.posiflex.com.tw.

WiFi MODULE

Please follow instructions given in the CD delivered with this option for its operation guide.

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