



## Firmware Revision Information

**Product Code(s):** *ACXC##, ACX###*

**Product Name(s):** *ServSwitch DKM FX and DKM FXC Java Utility*

**Date Modified:** *September 11<sup>th</sup>, 2015*

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### System Requirements

Microsoft Windows: 32/64-bit requires SUN JRE6+

Mac OS X: Intel platform, 32/64-bit requires Apple JRE6+

### Version 3.1.0.1 (8-10-2015)

**Improvements:**

- Device Finder: Automatic start of Device Finder upon opening the Java Tool (can be set in Extras)
- Several performance Improvements

**Fixed bugs:**

- Definition – User: Fixed blocking UI when creating a new user

### Version 3.1.0.0 (6-22-2015)

**Features and Enhancements:**

- Full Redundancy Support
- System – Network: Support of second syslog server and configurable syslog port
- System – Network: Support of second SNMP trap receiver
- System – Network: Support of LDAP (simple)
- Support of SNMP – board
- Network Check: Check availability of FTP, API and SYSLOG connections and ports

**Improvements:**

- Status – Matrix View: Display of slot number for DKM FX enterprise matrixes

### Version 3.0.4.2 (5-12-2015)

**Features and Enhancements:**

- Macros: Added current user as parameter

### Version 3.0.4.1 (5-7-2015)

**Features and Enhancements:**

- Administration – Miscellaneous: New panel for updating CPU-board and I/O-board FPGA design

**Improvements:**

- Administration – Miscellaneous: Improved OSD Update panel
- EXT Firmware Update: Optimized reload of firmware information

### **Version 3.0.4.0 (4-22-2015)**

#### **Features and Enhancements:**

- Definition – CPU devices: New CON Access Control and User Access Control panels
- Administration – Miscellaneous: New update panel for updating visual appearance of OSD
- Support for extender creation in offline mode
- Support of CSV import for new extender in offline mode
- Definition – EXT Units: new firmware version panel
- Support of Russian encoding (windows-1251)

#### **Improvements:**

- Status – Matrix View: Port numbers can be shown as local or grid port numbers
- Matrix Firmware: Mark matrix firmware conflicts in grid
- Administration – Update EXT Firmware: Optimized Update View in Parallel Mode
- System – Network: Displaying default syslog and SNMP ports

#### **Fixed bugs:**

- Definition – EXT Units: Prevention of various exceptions
- Extender Assignment: Do not allow Drag& Drop of empty rows
- Switch Communication: Fixed error in LAN Echo Management

### **Version 3.0.3.2 (11-21-2014)**

#### **Improvements:**

- Firmware Panels: Improved reload performance

#### **Fixed bugs:**

- Update EXT Firmware – Parallel Update: Fixed update duration calculation

### **Version 3.0.3.1 (11-13-2014)**

#### **Improvements:**

- Save Status: Improved functionality
- Update Ext Firmware: Sequential Update: Improved performance
- Grid: Display Master and Sub in tab title

#### **Fixed bugs:**

- License Management: Fixed serial number in status zip file in grid environment.

### **Version 3.0.3.0 (6-13-2014)**

#### **Features and enhancements:**

- Support of EXTICON, EXTDP CON, EXTDP CPU, MATXUNI
- Added new sort buttons to favorites assignment and extender

#### **Improvements:**

- Optimized memory management
- Shutdown Matrix: Improved shutdown message
- Restart Matrix: Changed restart behavior after matrix firmware upgrade
- Optimized data management in Status - Matrix Firmware and Status - EXT Firmware
- Show offline matrices in a different color in Status – Matrix Firmware and Status - EXT Firmware
- Added context menu actions to Status – Ext Firmware / Component View
- Matrix Grid: Added Keep ID option
- System Check: Check Invalid I/O Board parameter

#### **Fixed bugs:**

- Fixed restart of I/O board in Grid Port View

### **Version 3.0.2.0 (6-13-2014)**

#### **Features and enhancements:**

- Validation of EXTMSD / EXTIMSD version in System Check and Extender Firmware View
- Added Drag & Drop support in Extender Assignment, Favorites and CPU Access Control View
- Added save button to toolbar to save configurations changes instantly on the matrix
- Syslog: Added new filter options and search functions

#### **Improvements:**

- Save Status saves all serials and firmware versions within a Matrix Grid
- Optimized loading time in Status EXT Firmware

#### **Fixed bugs:**

- Fixed possible NullPointerException in Syslog
- Reload port status before executing Save Status
- Multi-Screen Control: Show correct values in Enabled column

### **Version 3.0.1.0 (4-11-2014)**

#### **Features and enhancements:**

- Support for matrix shutdown
- Added device finder functionality
- Added redundancy parameter to system data and CON devices
- Added OSD position defaults to EXT units – Extender OSD Data

#### **Improvements:**

- Added toolbar button text
- Added scrollbar to Multi-Screen control panel
- Added MAC-Address text field to System – Network
- Optimized initialization process of Matrix View
- Allow activation of Echo Only and Synchronize at once

#### **Fixed bugs:**

- Fixed master detection in grid environment
- Fixed blocking of Activate Configuration when executing on multiple connections at the same time

## Version 3.0.0.0 (2-7-2014)

### Features and enhancements:

- Support of Matrix Grid
  - \*Matrix Grid Configuration Wizard
  - \*Grid Port View
  - \*Enhanced Matrix and EXT Firmware View
- Syslog: Support of daily log files
- Syslog: Added auto start option
- Status – EXT Firmware: New component view
- Support of dual-link extenders
- Added matrix status LED in status bar

### Improvements:

- Administration – Activate Configuration: added version column
- Macros: Toolbar buttons replaces context menu
- Macros: Added visual overview of various configured macros
- Definition panels: New text for NEW and DELETE buttons
- System – Network: Show current IP address in DHCP mode
- Configuration Report: Now supports the saving of System settings
- Optimized performance on config reload
- Changed sorting order in syslog trace file
- Improved extender update process
- Assignment – Multi-screen control: Show restart I/O board dialog

### Fixed bugs:

- Assignment – Multi-screen Control: Fixed enable/disable bug
- Extender Assignment: Fixed sorting of port column

## Version 1.9.5 (12-12-2013)

### Features and enhancements:

- Definition – EXT Units: Support of new video mode 1280x800
- Definition – CON Devices: New parameter port mode. Port mode enable on a CON device allows to switch to the physical port addresses 1..99. If Port mode is enabled, the CON devices favorites are disabled.
- Hotkey Commands: same as favorite switching – HOTKEY + xx + ENTER
- Fixed an issue with exporting .CSV file

## Version 1.9.4 (9-4-2013)

### Features and enhancements:

- System Data: New parameter Echo Only

### Improvements:

- Support of Universal I/O boards and Extenders
- Added Select ALL checkbox to Assign Settings to.../Copy Settings from

### Fixed bugs:

- Fixed displaying of warning/errors in Status – EXT Firmware
- Fixed selection of first table row in Multi-Screen Control
- Fixed wrong description in System Validation

### **Version 1.9.3 (6-26-2013)**

#### **Features and enhancements:**

- System data, new parameter, load default

#### **Improvements:**

- Improved factory reset of I/O board's action
- Differentiation between connection error and user/password error in connection dialog
- Optimized protocol messages after firmware upload and reload
- Show message on Syslog startup when syslog port is already in use
- Allow changes in EXT units, general OSD data for custom CON ports

#### **Fixed bugs:**

- Fixed SAVE STATUS on MAC OS X
- Fixed reload after firmware upload

### **Version 1.9.2 (6-26-2013)**

#### **Features and enhancements:**

- System check

#### **Improvements:**

- Syslog supports auto start function
- Improved FTP communication
- Improved upload of extender firmware
- Support of keyboard layout English GB, 166
- Extender ID is no longer allowed to be changed in Definition – EXT units
- Additional tooltips to system data – OSD data
- Save status includes trace.log and ioboard.log
- Support of Login user macro
- Improved table filter option in definition panels
- Improved displaying of warnings/errors in status – EXT firmware
- Support of factory reset

#### **Fixed bugs:**

- Password field in connection dialog supports special characters
- When configuration mode is activated; the context menu of the macro table is enabled
- Fixed time display in update progress bar
- Fixed appname position in Syslog

### **Version 1.9.1 (3-15-2013)**

#### **Fixed bugs:**

- Fixed ACL assignment in CON devices
- Fixed setting of date in date and time

### **Version 1.9.0 (2-15-2013)**

#### **Features and enhancements:**

- Support of SMTP protocol

- Set date and time in Date and Time
- New parameters for a CPU device scanner in CON devices
- Support of Multi-Screen control
- Display I/O board and CPU board serial numbers in Matrix Firmware
- Support of SNMP trap configuration
- Restart of I/O boards by using the matrix view context menu
- New parameter enable old echo to support old echo format

**Improvements:**

- Added new parameters to configuration report, optimized representation of EXT units reports
- Full switching support of custom extenders in Matrix view
- Additional video mode in Ext Units – General OSD data in a resolution of 1920x1200
- Optimized templates dialog in CPU devices and Con devices
- Added online configuration mode to toolbar
- Optimized sorting in Virtual CON devices and Virtual CPU devices
- Support of French (CH) as a new keyboard layout
- Syslog will continue running in the background, if syslog tab is closed
- Syslog files support CSV format

**Fixed bugs:**

- Fixed commit of changes in Copy Settings from dialog when online configuration mode is activated
- Fixed cancel of changes in checkboxes
- Changes in IP text field leads to activation of apply buttons
- Fixed crash in Save Status

## Version 1.8.1 (12-13-2012)

**Improvements:**

- Improved visualization of online configuration mode
- Allow user without password
- Improved handling of corrupt configurations

**Fixed bugs:**

- Fixed broken custom extender assignment in CPU Devices and Con Devices
- Removed double call of Modification Detected Dialog in Definition Panels after pressing Cancel Button

## Version 1.8.0 (11-13-2012)

**Features and enhancements:**

- Parallel Extender Update
- Online Configuration Mode
- Switching per Drag & Drop in Matrix View
- Disconnect Console from CPU in Matrix View
- Support of Syslog Protocol
- License management implemented
- Number of Favorites increased to 16
- Distributed firmware update of extenders via IO boards
- Extender OSD Data tab to change extender OSD settings in EXT Units
- FIX Frame option for CPU devices adds a semi-transparent colored frame to the video
- Private access is now a property of the CPU device and is also supported by Macros and Favorites
- Basic support of SNMP service

- Macros offer simplified Push/Get functions

**Improvements:**

- Added Definition - User to Configuration Reports
- Improved Extended Switch View, supports Private Mode
- Improved Presets View, supports Private Mode
- Drag & Drop support for Firmware files (\*.tfw, \*.efw)
- Replaced assignment dialog by assignment wizard in Definition panels
- Function *Reset Matrix* renamed to *Factory Reset*
- Function *DKM Service* renamed to *API Service*

**Fixed bugs:**

- Remove all connections when deleting CPU Device
- Enable all OSD checkboxes in Update Matrix Firmware

## Version 1.7.1 (8-1-2012)

**Features and enhancements:**

- Support of ACXC48

**Improvements:**

- Added port number column to Extender Assignment table
- Show Matrix View in Online Mode on startup
- New Custom Template for fixed port extender in Definition – EXT Units

## Version 1.7.0 (6-6-2012)

**Features and enhancements:**

- Configuration Reports in PDF format
- Enable/Disable Automatic reload of Matrix View
- Show network connection state in Matrix View
- Show/Hide Port numbers in Matrix View

**Improvements:**

- Improved usability and layout of EXT Firmware
- Improved usability and layout of Update EXT Firmware
- Improved Standard and Expert View for extender types in Ext Units
- Improved Upload and Download Dialog

**Fixed bugs:**

- Fixed bug which occurred during data communication when Echo Mode is activated
- Fixed problems with Video-only connections in Presets
- Fixed error in configuration

## Version 1.62 (4-18-2012)

**Improvements:**

- Supports switching of Virtual CON Devices
- Added Private Mode state to Matrix View
- Show Invalid Ports in Matrix View, e.g. when a Fixed Port Extender is connected to port which is not a fixed port
- Download of config files requires admin rights
- Show assigned device of a Fixed Port Extender in Matrix View property sheet
- Changes in Options dialog will be activated without application restart

- Renamed Switch Macros to Presets
- Drag & drop support for config files (MAC OSx)

**Fixed bugs:**

- Load Firmware displays Matrix View again
- Configuration upload with a wrong password shows an error message
- Disabled upload of firmware files (\*.dtf)
- Avoid sending of connection data in Extended Switch in case of cancelling CPU Device selection

## **Version 1.4.0 (11-4-2011)**

**Features:**

- CPUs are configurable as favorites in User Data and CON Devices
- Connect with hostname or IP address in connection dialog
- IP is replaced by hostname in defaults.cfg
- New icons in Matrix View and Switch Console to CPU to display Shared Access
- Users are prompted to save changes before program exit
- Remember last selection in template dialog of EXT Units, CPU

**Units, CON Devices and User Data:**

- Restrict access rights of Power User to Matrix View and Switch Console to CPU panels
- Checkbox to hide devices without extender assignment in Switch Console to CPU

**Improvements:**

- Context menu added to Switch Console to CPU

**Fixed bugs:**

- Enter does not work in finish panel of import/export dialog
- Fixed Offline configuration of Video Only Access in Switch Console to CPU
- Fixed Configuration of KVM sharing in Switch Console to CPU when Auto Send is disabled
- Dialog of Upload action in toolbar now appears every time

## **Version 0.7 (10-14-2010)**

- When connected to a switch, the "open configuration" command is now available from remote.
- Thus, the active configuration of a switch can now be changed.
- Matrix and firmware files can now be read offline.
- New copy functions have been introduced for the configuration of KM and Macros.
- File version interaction has been optimized.
- Software version and build date accessible under “?/Version”
- Various minor issues have been corrected.