

Release Notes

Title: Vanderbilt Controller Firmware Release

Date: June 2020

Superseded Version: 6.68V / 6.91M / 7.31A

OVERVIEW

Review the information contained herein for new features, enhancements and fixes included in the latest version of firmware for the VSRC based controllers (VSRC and VRCNX-R) and Mercury EP4502 based controllers (VSRC-M & VRCNX-M) designed to work with Vanderbilt SMS v6.4.5.

VSRC firmware v6.69V will work with SMS software versions prior to v6.4.5. However, Vanderbilt strongly recommends that SMS v6.4.5 or higher be installed when utilizing VSRC based controller firmware v6.69V.

SRCNX (Legacy) controllers should be upgraded to firmware v6.58L.

VSRC-M firmware v7.02M will work with SMS software versions prior to v6.4.5. However, Vanderbilt strongly recommends that SMS v6.4.5 or higher be installed when utilizing VSRC-M based controller firmware v7.02M for the VRCNX-M and VSRC-M controllers.

VSRC-A firmware v7.41A will work with SMS software versions prior to v6.4.5. However, Vanderbilt strongly recommends that SMS v6.4.5 or higher be installed when utilizing VSRC-A based controller firmware v7.41A for the VRCNX-A and VSRC-A controllers. VSRC-A and VRCNX-A controllers are not supported using the Firmware Flash Utility, see "SMS TM 2017-16 [-A Controller Firmware Update]".

While it is possible to utilize the SMS v6.4.5 software with lower firmware versions, not all new features will be available. Vanderbilt recommends that all controllers be updated to the latest firmware version available for each platform.

ENHANCEMENTS

The following new features or enhancements are available:

VSCR-A & VRCNX-A

- Web Configuration: force change from Vanderbilt default password on first access.
- Web Configuration: require complex password on reset.
- Block TLS v1.0 and v1.1 protocols.
- Update jQuery to remediate CVE-2020-11022.
- Cybersecurity updates: OpenSSL, OpenSSH, LightTPD, SQLite and BusyBox
- Support for Aperio v3 locks

VSRC-M & VRCNX-M

- Web Configuration: force change from Vanderbilt default password on first access.
- Web Configuration: require complex password on reset.
- Block TLS v1.0 and v1.1 protocols.
- Update jQuery to remediate CVE-2020-11022.
- Cybersecurity updates: OpenSSL, OpenSSH, LightTPD, SQLite and BusyBox
- Support for Aperio v3 locks

VRCNX-R

- Support for Aperio v3 locks

FIXES

The following issues have been resolved in this version:

VSRC-A & VRCNX-A

- Disable manual IP address entry when DHCP is selected.
- Extend Linux kernel 2038 bug work-around to 12/31/2099.

VSRC-M & VRCNX-M

- Disable manual IP address entry when DHCP is selected.
- Extend Linux kernel 2038 bug work-around to 12/31/2099.

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