

SMS Technical Memo

VERSION: 6.3.5 and newer

TOPIC: bright-lite blue Hardware Conversion to SMS

ISSUE: Requirements

Background

A Vanderbilt lite or bright blue v4.0 or newer system supports a maximum of 32 doors per system using any combination of onboard reader interfaces, networked reader interfaces (VBB-NRI), RS-485 wired reader interfaces (VBB-RI) or Schlage 3rd party locks (VIP, AD-300, AD-400 with PIM, NDE with GWE).

System growth beyond 32 doors or requiring enterprise level features can be migrated to the Vanderbilt SMS system with certain restrictions identified herein.

Vanderbilt lite and bright blue systems use a different peripheral communications protocol than SMS. Therefore, neither the Vanderbilt VBB-NRI or VBB-RI nor the Schlage PIM gateway will communicate with SMS without loading new SMS compatible firmware.

Restrictions

All lite or bright blue v4.x controllers can be converted to SMS VRCNX-M controllers:

- Must be fully operational
- Must verify SD card TMP folder not corrupted (*Vanderbilt Tech Support*)
- Serial Number required – *screen shot from Utilities* → *View System Information*
- lite-bright blue version required – *screen shot from Utilities* → *View System Information*
- No time constraint on firmware update file

All lite or bright blue v5.x controllers can be converted to SMS VRCNX-A controllers:

- Must be fully operational
- Must verify microSD card TMP folder not corrupted (*Vanderbilt Tech Support*)
- Serial Number required – *screen shot from Utilities* → *View System Information*
- lite-bright blue version required – *screen shot from Utilities* → *View System Information*
- No time constraint on firmware update file

All lite or bright blue VBB-NRI can be converted to SMS VSRC-M controllers:

- Must be fully operational
- Serial Number required – *screen shot from Discovery and Configuration Tool*
- SMS must be installed and operational for conversion
- No time constraint on firmware update file

All lite or bright blue VBB-NRI G2 can be converted to SMS VSRC-A controllers:

- Must be fully operational
- Serial Number required – screen shot from Discovery and Configuration Tool
- SMS must be installed and operational for conversion
- No time constraint on firmware update file

Some lite or bright blue VBB-RI can be converted to SMS VRINX reader interfaces:

- Must be fully operational
- No Serial Number required
- Must have 2 white relays and power LED
- Special RS-485 DB9 console cable must be purchased from Vanderbilt
 - Can connect to computer with USB to DB9 converter (not provided)
- Firmware update file for entire Sales Order conversion expires in 7-days from delivery

Some Schlage PIM400-VBB can be converted:

- Must be fully operational
- Must be shipped to Vanderbilt in Parsippany for conversion
- Must be older style in larger square box
- Must have onboard console connector

