

Triton to Jupiter Serial Control Kit

Product part no. 44-050456-001

Installation Instructions

Document Part Number 04-051254-001 Rev C

March 7, 2003

applicability

All Triton switchers controlled by a Jupiter Control System.

purpose

These instructions describe installation of the B&B Electronics RS-232 to RS-422 Converter supplied with this kit.

materials required

Kit, VM 3000 To Triton Control 44-050456-001

<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>QTY</u>
B&B Elect. 422COR RS-232/422 Converter	06-050454-001	1
B&B Electronics BB-33 Universal Power Supply	06-050455-001	1
VM 3000 to Converter Cable, 25 ft. (7.6 m)	01-050452-001	1
Converter to Triton Cable, 25 ft. (7.6 m)	01-050453-001	1
Installation Instructions	04-051254-001	1

Other items required:

Volt/ohmmeter — not supplied in kit

AC line plug adapter (for installations outside North America) — not supplied in kit

procedure

1. Set the **AC voltage switch** on the Universal Power Supply to the correct voltage for your country (110 V or 220 V).

Note: The default setting is 110 V.

2. Set the **Polarity switch** on the Universal Power Supply to the positive position.
3. Set the **DC voltage switch** on the Universal Power Supply to the 12 volt position.

Note that the DC voltage switch is continuously variable and that the voltage level labels are approximate.

4. Plug the BB-33 **Universal Power Supply** into AC power. Measure the DC voltage on the output. Adjust the **DC voltage switch** until a 12 VDC reading is obtained.
5. Connect the **VM 3000 to Converter Cable**, part number 01-050452-001, to an odd number serial port on the VM 3000. See Figure 1.

Note 1: The even numbered ports on the VM 3000 will not work for this application.

Note 2: The SI-3000 will not support Triton control.

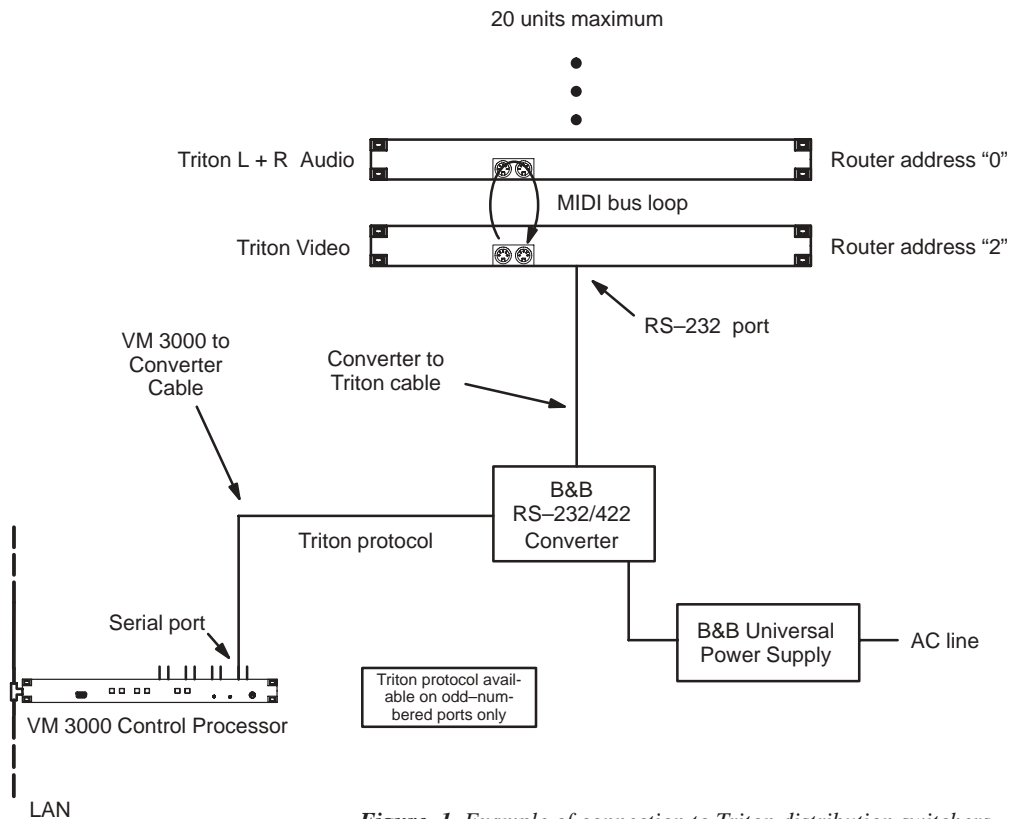


Figure 1. Example of connection to Triton distribution switchers.

6. Connect the 25-pin end of the **VM 3000 to Converter Cable** to the RS-422 side of the B&B converter. (Pinouts for this cable are shown in Figure 2.)
7. Connect the 9-pin end of the **Converter to Triton Cable**, part number 01-050453-001, to the RS-232 port on the Triton switcher.
8. Connect the 25-pin end of the **Converter to Triton Cable** to the RS-232 side of the B&B converter.
9. With the power supply disconnected from AC power, connect the DC power connector on the **Universal Power Supply** to the 12 VDC connector on the B&B Electronics RS 232 / RS 422 Converter.

10. Connect the **Universal Power Supply** to AC power.

Note 1: A plug adapter may be required for use outside of North America.

Note 2: In redundant VM installations, remeasure the converter power supply output to be sure it is at 12 volts. This is necessary because of the increased cable loading.

11. The Triton hardware connection is now complete. The Jupiter configuration tables must be modified to include the Triton switcher. Refer to the Jupiter Facility Control System Installation and Operating manual, part number 04-045707-002, for information on configuration for control of Triton switchers.

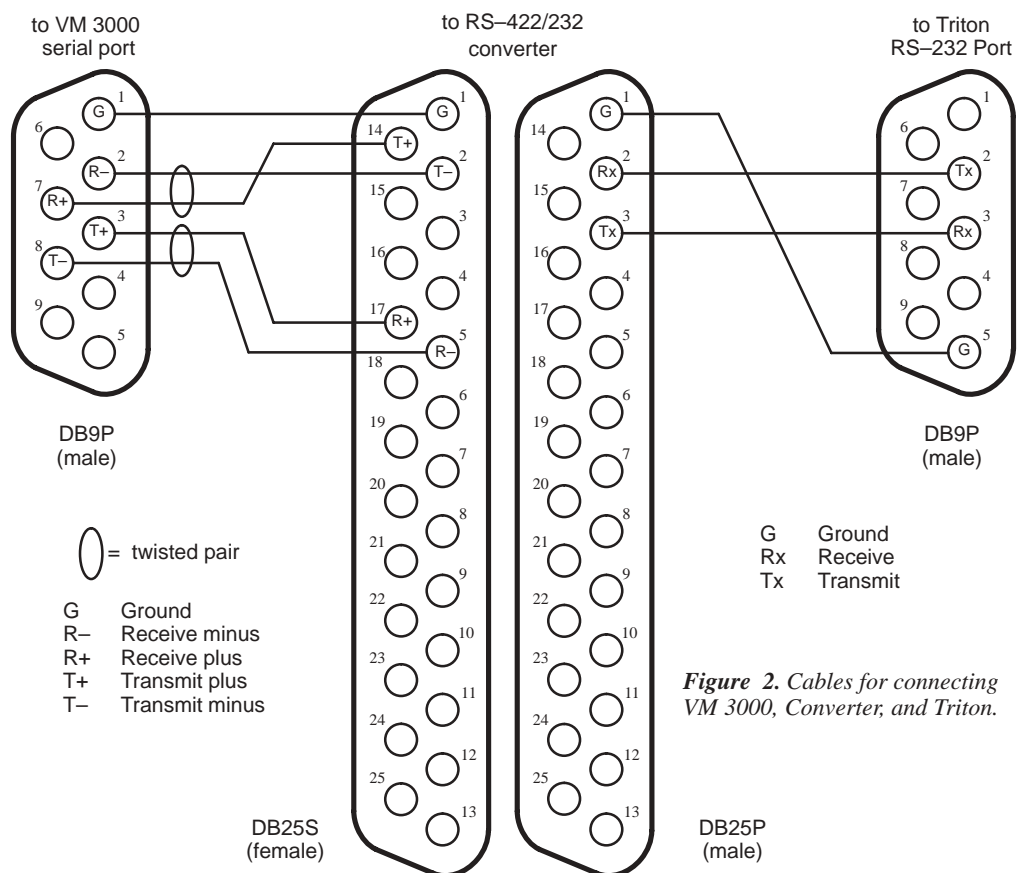


Figure 2. Cables for connecting VM 3000, Converter, and Triton.

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