Color Key Code

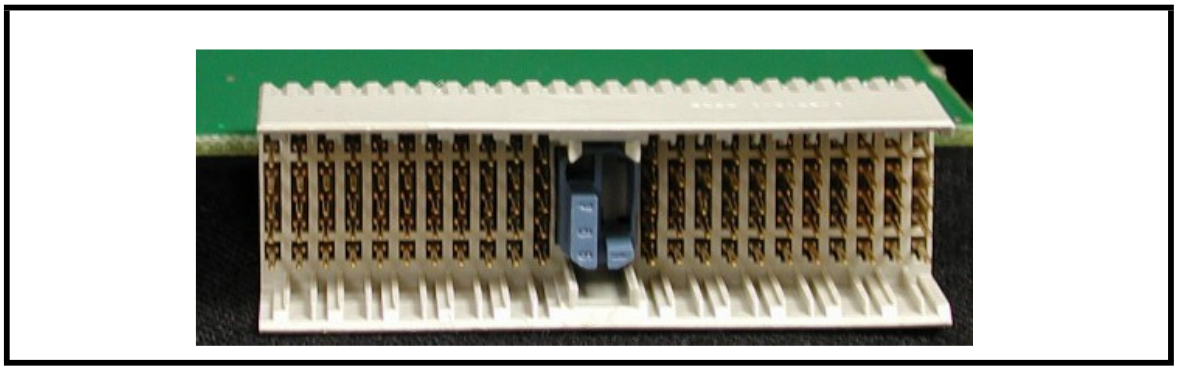

FIGURE 3. The RVON-16 Color Key Code. This Key Code allows only the RVON-8 or RVON-16 to plug into a blue coded, compatible backcard.

On the RVON-16 card, Telex has provided a color key code and knock-outs for digits 1-8 to ensure a compatible connection between cards. The RVON-16 card color is blue, and will only insert into a blue coded backcard.

Addresses and the RVON-16 Card

Because the RVON-16 has an Ethernet interface, it is required to have a MAC (Media Access Control) address. This is a low level address that contains 48 bits. Do not confuse this address with an IP (Internet Protocol) Address. In order to be IP compliant, all cards must have a unique MAC ID when shipped from the manufacturer. Typically, the MAC ID of a piece of hardware, such as the RVON-16 card, has a fixed or static address. Whereas, the RVON-16 card's IP Address can change over time.

The MAC Address uniquely identifies each node of a network and interfaces directly with the network media. The RVON-16 has a small 8-pin serial device on the board that the processor can read the unique MAC Address from. For more information, on MAC IDs, contact technical support.

Switches and Connections

IMPORTANT: You must remove the card from the frame in order to change any DIP switch settings.

The RVON-16 card, unlike the RVON-8 card has two banks of eight DIP Switches.

DIP Switch 1 **AZedit Configuration Disable**

CLOSED: Configuration via AZedit is disabled.

OPEN (Default): Configuration via AZedit is enabled.

Description: Disables configuration changes via AZedit. AZedit will still be able to view the RVON configuration and status. The configuration can be changed via the serial and Telnet connections.

DIP Switch 2 **Configuration File Save Location**

CLOSED: The RVON card holds the definitive configuration file.

OPEN (Default)*:* The Master Controller holds the definitive configuration file.

Description: Assigns where the configuration file for the RVON products is to be stored, either on the Master Controller or on the RVON card.

DIP Switch 3 **Not Used.**

Keep in **Open** position.

DIP Switch 4 **Inhibit Reset**

CLOSED: When enabled, the card is prevented from resetting after 30 seconds of no communication with the system controller.

OPEN (Default): When disabled, the card resets after 30 seconds of no communication with the system controller.

Description: Allows pass-through serial data to continue when the intercom is otherwise down (i.e., upgrades). Mainly used to keep trunking connections open when disruptions in communication on the card occur.

DIP Switch 5 **Password Reset**

CLOSED: Resets the Telnet user name and password to their default values. The password is case sensitive:

User: telex

Password: password

Also, this setting disables RVONedit and resets the authentication table in RVONedit.

OPEN (Default): Uses current username and password.

Description: Enables the user to reset the Telnet username and password.

DIP Switch 6 **Serial Monitor Enable**

CLOSED: Enables a serial monitor on back card DB9 via Serial Port 1.

OPEN (Default): Enables pass-through serial port via the back card DB9 on both serial port 1 and serial port 2.

NOTE: Serial Port 2 is always seen as the pass-through port.

Description: Selects DB9 serial configuration.

DIP Switch 7 **Boot Download Enable**

CLOSED: Runs the boot download

OPEN (Default): Runs the native flash program.

Description: Switches to the boot download flash program. This program is sent with the RVON-16 card in case the native flash program becomes corrupt.

DIP Switch 8 **DEBUG ONLY!**

CLOSED: Debug mode.

OPEN (Default): Normal operation mode.

WARNING: DIP Switch 8 must be left in the OPEN position. It is reserved for debugging and can have unintended consequences.

DIP Switch 9 **Serial Port Select A**

CLOSED: Select RS-485 (for serial port 1)
OPEN (Default): Select RS-232 (for serial port 1)

Description: Selects either RS-485 or RS-232 operation on the debug/serial pass through port.

DIP Switch 10 **Serial Port Select B**

CLOSED: Select RS-485 (for serial port 2)
OPEN (Default): Select RS-232 (for serial port 2)

Description: Selects either RS-485 or RS-232 on the second debug/serial pass through port.

DIP Switches 11-15 Not Used.
Keep in **Open** position.

DIP Switch 16 **Not Available**

CLOSED: Not Connected
OPEN (Default): Not Connected

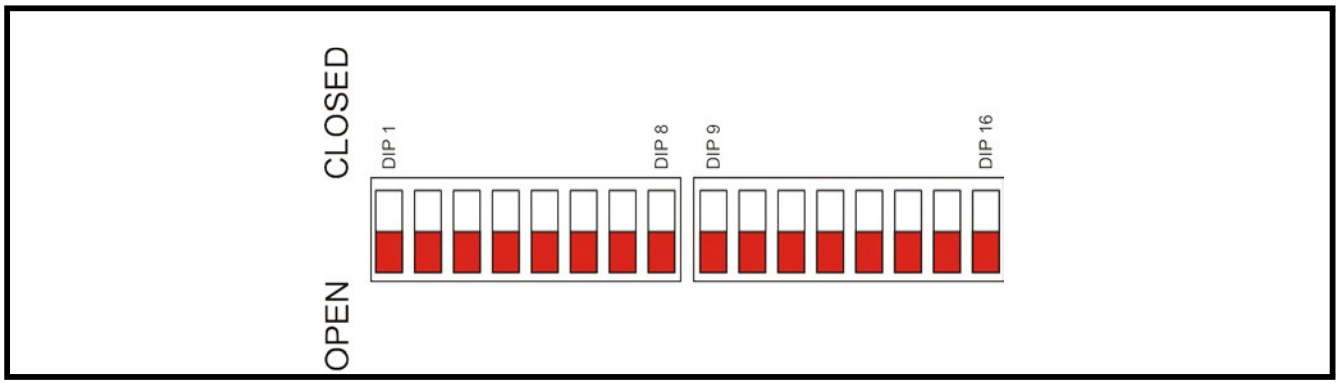

FIGURE 4. RVON-16 Switch Panels

Configuring the RVON-16 Card with AZedit

NOTE: RVONedit version 2.0.0 has more extensive configuration options for the RVON-16 card. For more information on purchasing RVONedit 2.0.0, contact customer service at 1-800-392-3497.

Once the RVON-16 card is inserted into the intercom, AZedit will automatically recognize the card.

NOTE: Requires intercom firmware and AZedit software that supports RVON cards.

To configure the RVON-16 card, do the following: