VS0801A 8-Port VGA Switch with Auto Switching

RS-232 Control Tool

V1.0.064

User Manual

FCC Information

Warning: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

RoHS

This product is RoHS compliant.

Safety

This product has been classified as Information Technology Equipment.

SJ/T 11364-2006

The following contains information that relates to China.

部件名称	有毒有害物质或元素					
	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚
电器部件	●	○	○	○	○	○
机构部件	○	○	○	○	○	○

○: 表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T 11363-2006规定的限量要求之下。

●: 表示符合欧盟的豁免条款，但该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T 11363-2006的限量要求。

×: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T 11363-2006的限量要求。

RS-232 Control Tool Operation

Overview

The VS0801A 8-Port VGA Switch with Auto Switching has a built-in bi-directional RS-232 serial interface that allows system control through a high-end controller, PC, and/or home automation / home theater software package. RS-232 serial operations in a VS0801A installation can be managed via a Graphical User Interface (GUI) on systems that are running Windows. In order to use this Control Tool, two separate items of software must be installed on all of the PCs in your installation – .NET Framework 2.0 and the Control Tool AP. This procedure is detailed in the following sections.

Before You Begin

.NET Framework 2.0

To install .NET Framework on your PC, do the following:

1. Download the executable file from the Microsoft Download Center online, and run it.
2. Follow the instructions on the screen. The installation applet will automatically detect the operating system and install the correct drivers

RS-232 Control Tool AP

To download the RS-232 Control AP in order to use the Browser GUI to manage the serial commands in your VS0801A installation, do the following:

1. Download the RS-232 Control Tool AP from the ATEN website (`www.aten.com`).
2. Save the file to a convenient location.
3. Run the file to open the RS-232 Control Tool GUI.

GUI Main Page

The RS232 Control Tool is a convenient and intuitive method to manage the RS-232 commands in your VS0801A installation from one screen. To invoke the GUI, simply click on the icon in your file system. The interface appears, and opens on the Switch Port page by default, as below:

The various elements of the GUI are described in the following sections.

Switch Port

On the *Switch Port* page, the following actions are possible:

- Select the **Input** port (options are Ports 1–8).
- Turn the **Display** On or Off.
- Click **Send** to send the command.

Switch Port Commands

These actions can also be performed by keying the command into the text box, and clicking **Send**.

The formula for Switch Port commands is as follows:

Switch Command + Input Command + Port number [Enter]

1. For example, to switch to input port 02, type the following:

   sw i02 [Enter]

2. To switch to the next import port, type the following:

   sw + [Enter]

Note: 1. Each command string can be separated with a space.

2. The **Port Number** command string can be skipped, and the default value will be used.

Possible Values

The following table shows the possible values for switch commands:

Command	Description
sw	Switch command

Input Command	Description
i	Input command

Control	Description
on	Turn on
off	Turn off
+	Next port
-	Previous port

Switch Mode

On the *Switch Mode* page, the following actions are possible:

Mode

Select the Mode you want the VS0801A to apply when a new input source is connected:

- **Default** – The switch behaves normally without automatic switching operation.
- **Next** – Switch priority is placed on the next port that has a new source connected to it.
- **Auto –** Places priority on the selected port so that when a source is connected to the said port, the VS0801A automatically switches to it, and the port can not be changed until the source is unplugged or auto switching is disabled. Select an Input port from the drop-down menu (options are ports 1–8) to which the Auto mode applies.

Go To Function

The Go To function enables the VS0801A to switch to the next port with a powered on source device when the current input source is off.

- Click **ON** to enable Go To function.
- Click **OFF** to disable Go To function.

Click **Send** to send the command.

Switch Mode Commands

The formula for Switch Mode commands is as follows:

Switch Command + Input Command + Port Number + Control + [Enter]

1. For example, to enable auto switching for port 02, type the following:
   swmode i02 auto [Enter]
2. To enable the auto switch next mode, type the following:
   swmode next [Enter]
3. To turn auto switching off, type the following:
   swmode default [Enter]
4. To enable the Go To function, type the following:
   swmode goto on [Enter]

Button Control

On the *Button Control* page, the following actions are possible:

- Click **ON** to unlock the front panel pushbuttons.
- Click **OFF** to lock the front panel pushbuttons.
- Click **Send** to send the command.

Button Control Command

The formula for the Button Control command is as follows:

Button Command + Control (on/off) + [Enter]

DDC

On the DDC page, the following actions are possible:

- Select **ON** to enable Dynamic DDC.
- Select **OFF** to disable Dynamic DDC.
- Click **Send** to send the command.

DDC Command

The formula for the DDC command is as follows:

DDC Command + Control (on/off) + [Enter]

Cable Button

On the *Cable Button* page, the following actions are possible:

- Click **ON** to enable the cable button function.
- Click **OFF** to disable the cable button function.
- Click **Send** to send the command.

Button Control Command

The formula for the Cable Button command is as follows:

Cable Command + Control (on/off) + [Enter]

Echo

On the *Echo* page, the following actions are possible:

- Click **ON** to enable the Echo function.
- Click **OFF** to disable the Echo function.
- Click **Send** to send the command.

Echo Command

The formula for the Echo command is as follows:

Echo Command + Control (on/off) + [Enter]

Read Info

On the *Read Info* page, the following actions are possible:

- Click **Version** to view the current firmware version.
- Click **Send** to send the command.

Read Info Command

View information from the device using the following command:

Read Command + Control (version) [Enter]

Baud Rate Setting

On the *Baud Rate Setting* page, the following actions are possible:

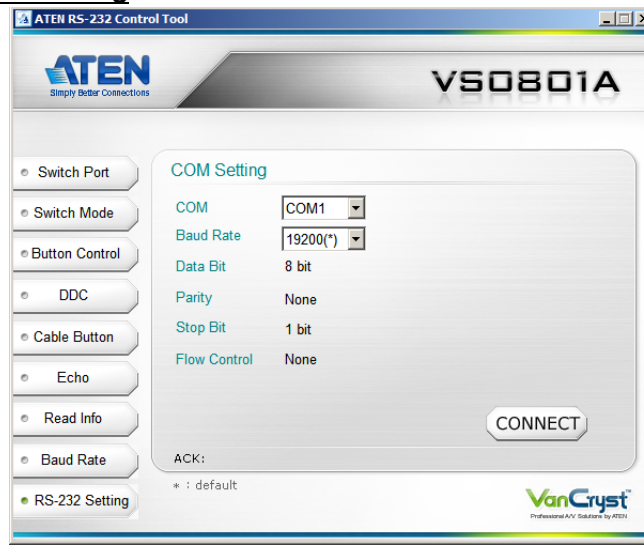
- Select the RS-232 Baud Rate you want the VS0801A to use. Options are 9600, 19200 (default) and 38400.
- Click **Send** to send the command.

Baud Rate Setting Command

The formula for Baud Rate setting command is as follows:

Baud Command + Control [Enter]

RS-232 Setting



The controller's serial port should be configured as follows:

Baud Rate	19200
Data Bits	8
Parity	None
Stop Bits	1
Flow Control	None

To select the serial port, do the following:

- Select a port from the drop-down menu and click **CONNECT**.

If the port has been selected, the Acknowledgment message will read:

Opened port COM1 successfully

Verification

After entering a command, a verification message appears at the end of the command line as follows:

- **Command OK** - indicates that the command is correct and successfully performed by the switch
- **Command incorrect** - indicates that the command has the wrong format and/or values.