

## Model 250 Configuration Data Export / Import Procedure

Rev 1.0.0

This appendix defines the steps to perform a Configuration Data Export & Import from the Model 250 projector to a Host Computer. The Host Computer can be any system that has RS232 download and upload capability, including an IBM-PC compatible, an Apple Macintosh, or a UNIX system. This paper describes the procedures for an IBM-PC running the Windows 3.1 OS. We will use the Windows "TERMINAL" application for communication with the projector. Other Terminal emulation programs can be used (ProComm, .), but all testing has been done with the TERMINAL application.

**NOTE 1:** The TERMINAL application setup is the same as for controlling the projector via an ANSI TERMINAL (see User's Guide, Section 4.11).

**NOTE 2:** Export/Import can be performed on either Port A or Port B. The Port must be configured for ANSI Terminal. Port A speed is determined by DIPSWITCH #4 on the System Controller board. DOWN is 9600 baud, UP is 19200 Baud. Port B can be configured for 2400, 9600 (default), or 19200 through the Comm Setup Menu. If both Port A and Port B are ANSI Terminals, PORT A is used for Export/Import, so to use Port B, set Port A Device = None or Switcher, Port B Device = ANSI.

**Remember** to Power Off (Control+P) and HW RESET (Push RESET button - *figure 5-1 in Service Manual*- or Circuit Breaker-on rear panel) after changing any configuration parameters.



**CAUTION!** If you use 19200 Baud, your computer must have a 16550 UART installed on the Comm Port. An unbuffered 8550 UART will lose data during EXPORT. This data loss cannot be detected until a later IMPORT is attempted. Use 9600 if you are not sure. In all cases use SOFTWARE FLOW CONTROL (XON/XOFF).

### EXPORT

1. Make sure the Windows TERMINAL program is configured for SOFTWARE FLOW CONTROL (XON/XOFF). A corrupt Export file will result if SW flow control is not used.
2. Choose the directory and filename for saving the Export Data. The Windows TERMINAL: *Transfers: Receive Text File...* dialog box will default to the c:\windows directory and no file. Create a directory (like \TEMP) (or have an existing one in mind) before starting the export process.
3. Model 250 Menu: 7. **system** + 5. **Maintenance** + 5. **Export**

```

=====
|                               |
|   Export Configuration       |
|-----|
| Start RECEIVE TEXT Download |
| to Host on Serial PORT A   |
|                               |
|   <ENTER> to continue      |
|   < ESC> to cancel         |
|                               |
|-----|
=====

```

4. Windows TERMINAL: *Transfers + Receive Text File...*
  - 4.1. Directories - set directory to desired download directory (C:\TEMP)
  - 4.2. File Name: - Type desired File Name (for example: export1.txt)
  - 4.3. Select **OK** with mouse or press **Enter** key (dialog will be removed)
  - 4.4. Verify TERMINAL screen shows status line at bottom:  
**Stop, Pause, Bytes: 0, Receiving: EXPORT1.TXT**

5. Model 250 Menu:  
Press **ENTER** key to start export download. NOTE: Some VT100 Emulator programs (ProComm) will send the ENTER automatically when step 4.3 above is performed. Expect 10 minutes to export 20 sources (500,000 bytes) at 9600 baud).

*Data Transfer will begin and continue until all source, channel, channel-source combination, and system data has been exported. The following dialog is displayed on the projector screen during the transfer.*

```

=====
|                               |
|   Export Configuration       |
|-----|
| EXPORT IN PROGRESS ... wait |
| - Press ESC to Abort       |
|                               |
|-----|
=====

```

The following message is sent at the end of the export data.

```

#####
# Export Complete           #
# STOP Host Download Now   #
# Then, Press ESC          #
#####
.END

```

A similar message is displayed on the projector screen:

```

=====
|                               |
|   Export Configuration       |
|-----|
| EXPORT COMPLETE           |
| -> STOP Host Download     |
| -> THEN Press ESC        |
|                               |
|-----|
=====

```

6. Windows TERMINAL:



- 6.4. Verify TERMINAL screen shows status line at bottom:  
**Stop, Pause, “% complete bar”, Sending: EXPORT1.TXT**
- 6.5 Data transfer will continue until complete or an error occurs or the User Aborts: Expect 10 minutes to import 20 sources (500,000 bytes) at 9600 baud.
- 6.6 At successful end, TERMINAL will remove the bottom line.

7. Model 230 Menu:

When the projector detects the successful end of the transfer the following screen is displayed:

```
=====
|      Import Configuration      |
|-----|
|  IMPORT COMPLETE              |
|  New Configuration is active  |
|-----|
| - Press ESC to Continue      |
|-----|
```

Press ESC to exit the projector Import operation and return to the Maintenance Menu. There is a 10-second pause before the screen is redrawn.

8. USER ABORT:

Windows TERMINAL: **FIRST** press STOP to end the Host Upload transfer.

Model 250 Menu: **THEN** press **ESC** to abort the projector Import operation.

```
=====
|      Import Failed            |
|-----|
|  IMPORT ABORTED BY USER      |
|  Old Data was Restored.      |
| - STOP Host SEND DATA,      |
| THEN Press ESC                |
|-----|
```

**FINALLY**, press **ESC** to exit the projector Import operation and return to the Maintenance Menu. There is a 10-second pause before the screen is redrawn.

9. DATA TRANSFER ERROR (Example)

Model 250 Menu will display:

```
=====
|      Import Failed            |
|-----|
|  Bad EXPORT File Format      |
|  Old Data was restored.      |
| -> STOP Host SEND DATA,     |
| -> THEN Press ESC            |
|-----|
```

- 9.1. Windows TERMINAL: **FIRST** press STOP to end the Host Upload transfer.
- 9.2. Model 230 Menu: **THEN** press **ESC** to exit the projector Import operation and return to the Maintenance Menu. There is a 10-second pause before the screen is redrawn.