

PVS Data Viewer

Overview

The PVS Data Viewer is a PC software tool used to view data on the connected Precinct Voting System (PVS). With this tool the user can perform the following major functions on a PVS device:

- View/Save the Cast Vote Record (CVR) Logs
- View/Save the Audit logs
- View the vote counters (Public/Private)
- View/Set the real-time clock
- View the devices serial numbers and board rev
- View the devices software version information

Install PVS Data Viewer

The PVS Data Viewer is installed through an install shield program. The user changes directory to the PVS Data Viewer install directory (On CD under \PVS Data Viewer Install) and executes the program setup.exe. The setup program will guide the user through the setup process.

User Interface

The PVS Data Viewer uses a standard windows user interface with pull down menus to access program features (Figure 1). It also has a tab control on the main window that allows the user to view different data on the connected PVS system. The following sections define each of the menus/displays on the PVS viewer.

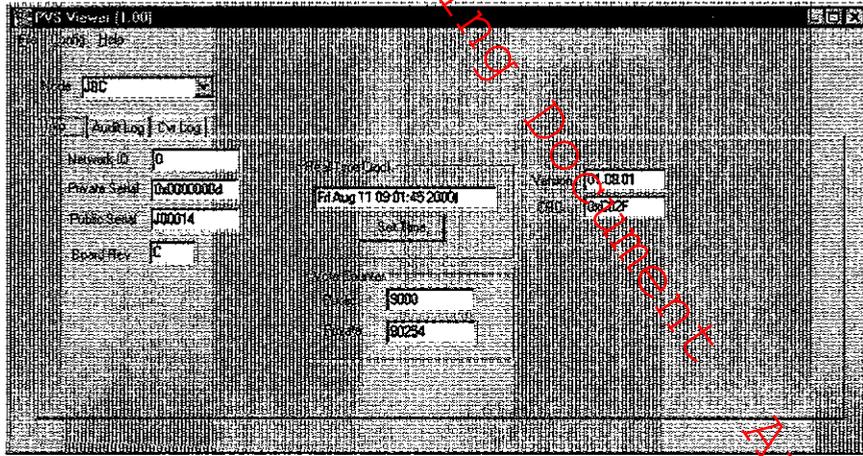


Figure 1: PVS Data Viewer

Menus

The following section describes the functionality provided by each of the program menus.

FILE | Save CVR Log

This menu option allows the user to save the current contents of the CVR log window to a text file.

FILE | Save Audit Log

This menu option allows the user to save the current contents of the Audit log window to a text file.

FILE | Print ...

This menu option controls the printing of the audit and CVR log windows. A pop dialog box is displayed to allow the user to select which log to send to the default printer.

Config

Allows the selection of the communication port used to communicate to the PVS system. The user can select from COM1 to COM4.

Help

The help menu performs no function at the current time and is for future development.

Node Selection



The Node selection on the main window is used to select which piece of the PVS system is currently being viewed. The user selects the device from a drop down selection box. By default the Judges Booth Controller (JBC) is the device being viewed.

Tab Controls



The Tab control is used to select what data to display in the main window. The user selects the desired display by clicking on the display tab title.

Info Display

The info display allows the user to view general information about the connected PVS system (Refer to Figure 1). This window displays the following information:

- Vote Counters (Public/Private)
- Device real-Time clock
- Serial numbers of the device and board rev
- Devices software version and CRC number

Set real-Time Clock

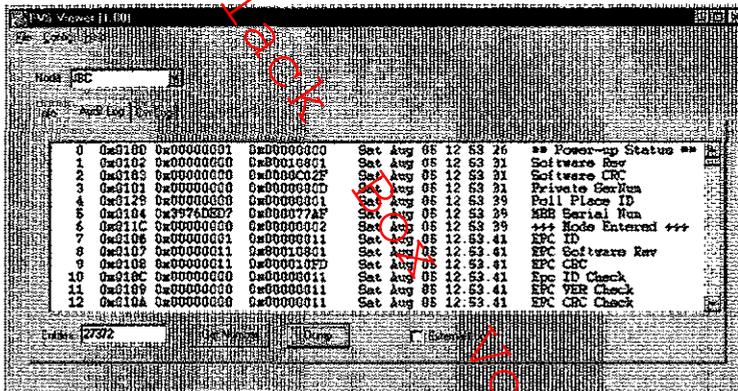


The real time clock on a device can be set by pressing the "Set Time" button. This will set the devices time to the connected PC time. *(Note: Since only the JBC has a real-time clock it is the only device that can have its real-time clock set. The user can set an EPC real-time clock, but the setting will be lost when the unit is powered cycled).*

Audit Log Display

The Audit log display allows the user to dump and view a devices audit log. The audit log is displayed in the following 5 columns:

Entry	The audit log entry number
Audit Code	The audit log identification code
Audit Status Data	Status/Data associated with the audit log entry
Audit Data	Data associated with the audit log
Time	The time the audit log entry was generated
Description	A text description of the audit log



Get Number

The "Get Number" button is used to dump the number of entries in the audit log.

DUMP

The "Dump" button is used to download and display a devices audit log. During this process a status bar is displayed to the user.

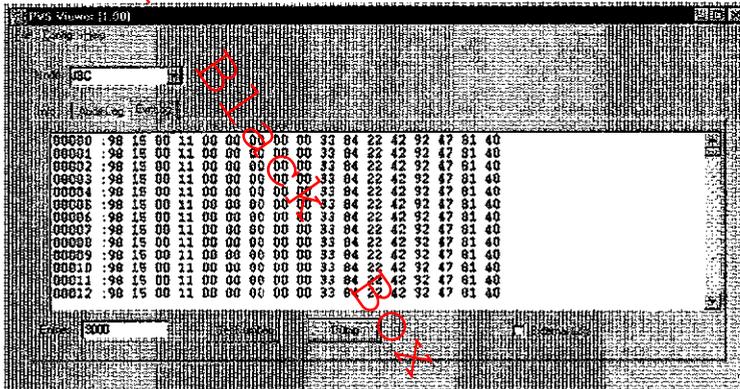
External Log

The "External Log" check box is used to select a devices external audit log. (Note: This check box can only be used when viewing JBC data, since it is the only device with external logs.)

CVR (Cast Vote Record) Log Display

The CVR log display allows the user to dump and view a devices raw CVR log. The CVR log is displayed in the following three columns:

Entry The CVR entry number
Data Raw data associated with the CVR entry
ASCII Data Data displayed in ASCII representation.



Get Number

The "Get Number" button is used to dump the number of entries in the CVR log.

DUMP

The "Dump" button is used to download and display a devices CVR log. During this process a status bar is displayed to the user.

External Log

The "External Log" check box is used to select a devices external CVR log. (Note: This check box can only be used when viewing JBC data, since it is the only device with external logs.)

Release Notes (01.00)

None