

HomeVision 3.45a

Custom Solutions, Inc.

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VERSION HISTORY OVERVIEW

1.00 - 1.0x (1995 to 1996)

Beta versions not released to the public.

1.1 (1 May 1996)

First released version.

1.2 (1 July 1996)

Limited-release version to incorporate numerous changes, including:

- Improving infrared signal learning performance.
- Enabling thermostat scheduling screen after final testing was complete.
- Adding event log to display on TV.
- Adding caller ID capability.

Version 1.2 requires a firmware upgrade (to PROM version 1.2) to run.

2.0 (15 August 1996)

Incorporated numerous changes, including:

- X-10 sequences.
- Infrared signal learning of carrier frequency is now optional.
- Help file.

Version 2.0 requires a firmware upgrade (to PROM version 2.0 or later) to run.

2.01 (26 August 1996)

Various minor improvements.

2.02 (16 September 1996) (PROM upgrade only)

Corrected bug which sometimes prevented X-10 TV screen from displaying proper level of PCS lighting modules.

Made a few improvements to the IR learning process.

2.1 (6 October 1996)

Incorporated numerous changes, including:

- X-10 grid controller screen (requires PROM version 2.1).
- New thermostat commands (requires PROM version 2.02 or later).
- Remote modem control capability (works with PROM version 2.0 or later).

- Improved transmission of multiple X-10 dim and bright commands to work with repeaters.

Software version 2.1 requires a firmware upgrade (to PROM version 2.1 or later) to receive all of these features. However, you can use a 2.0 PROM with the 2.1 software and obtain some of the new features.

2.2, 2.21

Beta versions.

2.22 (15 December 1996)

Incorporated numerous changes, including:

- Automatic backups of schedule files.
- Enhanced ability to read serial data from external devices.
- New X-10 commands to support RCS TX10-B bidirectional thermostat.
- Option of keeping video menu system active at all times.
- "Update" button added to X-10 grid controller screen.
- Other minor changes.

Version 2.22 requires a firmware upgrade (to PROM version 2.22 or later) to run.

2.23 (1 January 1997)

PC software change to corrected a bug with the X-10 condition "X-10 module is at level ##". This condition could cause an error when downloading into the controller, or could load properly but not work correctly.

This software version works with the version 2.22 PROM.

2.3, 2.31

Beta versions only.

2.32 (4 February 1997)

New PROM and PC software which added:

- Support for the HomeVision Multifunction Expansion Board.
- Ability to play wave files on the computer when commanded by the controller over the serial interface.
- Ability to run other programs on the computer when commanded by the controller over the serial interface.
- Ability to write to a text file on the computer when commanded by the controller over the serial interface.
- Ability to automatically write all received serial messages to a text file.
- PC screen to read event log from controller.
- Improved the way these three X-10 commands work:
 - o Put Current Level Into Variable ##
 - o Set To Level In Variable ##

- o Force To Level In Variable ##

Version 2.32 requires a firmware upgrade (to PROM version 2.32 or later) to run.

2.33 (16 February 1997)

New PROM to correct occasional bug in writing to the TV event log.

2.4 (6 April 1997)

New PC software which added:

- Schedule editing features (Cut, Copy, Paste, Delete).
- Ability to display a bitmap graphic on the main HomeVision form.
- Ability for the controller to send messages to a message window on the PC.
- Ability to send keystrokes to other programs running on a computer.
- Ability to send data to the PC via the serial interface, and have the data forwarded to another serial port.
- Dynamic Data Exchange (DDE) capability.
- Support for PAL video mode (Beta).

Version 2.4 works with version 2.32 or 2.33 PROMs. No version 2.4 PROM was released.

2.5 (29 May 1997)

New PROM and PC software which added:

- A "Schedule Viewer" screen.
- Direct thermostat commands and conditions.
- Built-in commands to control RCS TX10 and TX10-B thermostats.
- Thermostat configuration screen to TV video system.
- Data logging capability.
- Support for digital temperature sensors.
- Support for additional input/output boards.
- Serial commands to simulate pressing IR remote button. This allows voice recognition software to control the video menu system, eliminating the need for a remote control.
- Weather conditions video screen.
- Numerous other small improvements.

This software version works with the version 2.5 PROM.

2.51 (25 October 1997)

New PC software which added:

- Support for PC serial comm ports 5-9.
- A software screen to view and change the flag and variable values in the controller.
- Caller ID support for ITU Technologies device.
- Caller ID name lookup feature
- Changeable text colors used on the Actions Entry Screen.
- Saving of software screens size and position each time they are closed.

Software version 2.51 works with version 2.5 PROM.

2.6

Beta version only.

2.61 (12 March 1998)

New PROM and PC software which:

- Added X-10 commands to set the new X-10 lamp and appliance modules (LM14A and AM14A) and Leviton 6381 modules directly to a level without going to full brightness first.
- Added a customizable video menu system.
- Added RAM video screens.
- Added several macro, serial, video, and infrared signal commands.
- Changed how the serial data input event works.
- Made several changes to improve performance for international users.
- Fixed a couple of minor bugs.
- Made several other enhancements.

Refer to the "Version History Details" section for details on these changes.

2.61B (6 May 1998)

New PC software which corrects a bug with sunrise and sunset calculations for locations in the southern hemisphere.

2.62 (18 October 1998)

New PC software which:

- Added support for lighting "scenes", which work with some of the newer X-10 modules.
- Added support for Enerzone StatNet thermostats when connected to a PC.
- Added ability to automatically play a unique WAV file for each caller detected with caller ID.
- Added a "Most Recently Used" files list to the "File" menu.
- Added a "New IR Signal" button to the IR Learn screen.
- Improved how the software starts up when started from a Windows shortcut and set for "minimized".

Refer to the "Version History Details" section for details on these changes. This software version requires version 2.6 or later PROM.

2.7 (22 February 1999)

New PROM and PC software to support HomeVision-Serial. Limited-release version provided only to HomeVision-Serial purchasers.

2.7c (23 March 1999)

First general release of version 2.7. New PROM and PC software which:

- Supports the following new HomeVision accessories:
 - HomeVision-Serial
 - HomeVision-Phone/Serial
 - HomeVision-Phone/CID
- Allowed any X-10 command in your schedule to use a variable value to specify the X-10 address (instead of entering a "fixed" X-10 address).
- Added two other X-10 commands to perform a "direct to level" command based upon a variable value and to put the current level into a variable.
- Added X-10 commands to support the "scene" capability of newer Leviton devices like the 6343.
- Added commands to put a timer value into variables and to load a timer with values from variables.
- Added commands to multiply or divide a variable by another variable or a constant.
- Added an If-Then condition to check the phone number of a caller (as determined by caller ID)
 - Added support for the "Auto Send" feature of the newer RCS TX15B thermostats.
- Added commands to change the clock time from within a schedule.
- Allows the user to specify a PC directory where WAV files will be located.
- Added commands to immediately read input ports B and C.
- Added ability to "simulate" infrared keypresses within a schedule to control the video menu system.
- Adds a "text storage buffer". This storage area can hold up to 256 characters of data. You can extract data from received serial messages and put it into the storage area. You can then display any portion of the text storage area in custom video screens.
- Added ability for the controller to automatically report state changes to the PC.

Refer to the "NewInfo" file for details on these latest changes.

2.7e (18 December 1999)

New PC software which corrects several minor bugs.

2.75, 32-bit (6 May 2000)

New PC software which provides the same basic features as the 2.7e 16-bit software. It also adds the following new capabilities:

- Supports long file names
- Adds ability to read a comma-delimited text file and load the contents into HomeVision variables.
- Adds ability to send X-10 "extended code" and "extended data" commands from within your schedule. These commands are used to control some of the newer X-10 devices.

2.75b, 32-bit (14 July 2000)

New PC software to correct bug when printing event log (from Event Log screen).

2.8/2.9

Beta versions only.

3.0/2.82, 32-bit (25 September 2000)

Official release incorporating features of the various 2.8 and 2.9 beta PROMs and PC software. The released versions of each are as follows:

PC Software (32-bit):	Version 3.0
PROM for HomeVision part number 1203C:	Version 3.0
PROM for HomeVision part number 1203A:	Version 2.82

Note that the 3.0 PROM can only be used with HomeVision part number 1203C. The earlier HomeVision hardware design, part number 1203A, will not run the 3.0 PROM (use the 2.82 PROM instead). See the "NewInfo" file for details.

2.75c, 32-bit (8 October 2000)

Update to 32-bit software for PROM version 2.7 with minor bug fixes.

3.01, 32-bit (9 January 2001)

New 32-bit PC software for new 2.82 and 3.0 PROMs with the following changes:

- Adds a security system status screen to the web server.
- Adds an option to automatically open the most recent schedule file each time the program starts. Use the Preferences Screen to enable this option.
- The X-10 object summary screen now allows more than 16 X-10 devices to be shown at one time.
- Corrects a bug where the program sometimes looked for a help file named "homevis.hlp" instead of "homevision.hlp".
- Other minor changes.
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3.02, 32-bit (1 April 2001)

Update to 32-bit software (for 2.82 and 3.0 PROMs) with minor web server enhancements and bug fixes.

3.1, 32-bit (7 November 2001)

Update to 32-bit software adding three features:

- The web server will process multiple items sent to it in a form.
- Added a "Remote Internet Access" capability. This allows a copy of the HomeVision software running on one PC (the "client" PC) to control a HomeVision unit connected to another PC (the "server" PC).
- Added support for European Daylight Savings Time clock adjustments (when used with version 2.9x or 3.1x PROM).

3.11, 32-bit (14 December 2001)

Update to 32-bit software adding two features:

- When using the “Remote Internet Access” capability in the client mode, the software will no longer try to open a serial port on the local PC.
- The web server can now allow access from an IP address without requiring a password.

3.12, 32-bit (25 February 2002)

Update to 32-bit software:

- Added more capabilities to the “Remote Internet Access” function.

3.2, 32-bit (7 April 2002)

New PC software and PROM making the following changes:

- Corrected some software bugs that sometimes caused incorrect display screens (incorrect background colors or buttons being cut off bottom of screen).
- Added commands for writing a variable value to the “text storage buffer” and reading a character from it into a variable.
- Added a command to write the caller ID information to the “text storage buffer”.
- Added more options for the “CID_Name.txt” file that you can use if you use caller ID with HomeVision.
- Added commands to set or clear the Daylight Savings Time Mode.
- Added commands to enable or disable automatic polling of serial thermostats.

3.2a, 32-bit (25 May 2002)

New PC software which corrects bug in version 3.2 that could cause error when loading schedule, if the schedule contained commands to write caller ID information to the TV screen.

3.3, 32-bit (21 March 2003)

New PC software and PROM making primarily the following changes:

- The software can automatically synchronize the controller’s clock with the PC clock.
- Added the “HV Desktop” program.
- Can automatically forward data from one serial port to another.
- If-Then conditions for X-10 devices can now specify the X-10 address in a variable.
- Added commands that you can put in your schedule to put X-10 devices into “scenes”.
- Added a schedule command to exit from all events.
- Added commands that can read and write an I2C bus address.

3.3a, 32-bit (8 June 2003)

New PC software that corrects bug in version 3.3 in variable command entry screen. For commands that used two variables, the screen would sometimes display the wrong variable.

3.42, 32-bit (1 July 2004)

New PC software (version 3.42b) and PROM (version 3.42) making primarily the following changes:

- Support for "custom lighting" commands.
- The software now supports a serial port baud rate of 57,600.
- The standard HomeVision serial communications protocol can now be used over the add-on serial ports.
- Added more commands for reading data received from a serial port.
- Added commands to allow calculating a checksum value on data transmitted out a serial port.
- Added ability to detect and take action when any "standard" infrared signal is received.
- Added infrared commands to allow transmission of signals loaded into a "test" area.
- Allowed both RCS X-10 and serial thermostats to be used at the same time.
- Added option for HomeVision add-on serial ports 3 and 4 to receive any binary data.

3.42c, 32-bit (22 August 2004)

New PC software that corrects a bug related to how it exports data to an "HVConfiguration.txt" file. This file is only used with the Macromedia Flash movie that can be used to control HomeVision.

3.43, 32-bit (1 June 2005)

New PC software and PROM making the following changes:

- A few text fields in the software were widened to show more characters when the user has the Windows font size set to the "large" or "extra large".
- Made slight improvement to X-10 transmission collision avoidance. With the new design, if another device transmits an X-10 signal very shortly before HomeVision is ready to transmit a signal, there is less chance of a collision.
- Modified the digital temperature sensor reading to work with the new, slower DS18S20 sensors. Previously, there could be occasional errors reading these sensors if the HomeVision schedule file ran extremely fast.
- Allows "X-10 sequences" to include a wildcard character, which allows it to match any device or function code.

3.43a, 32-bit (12 June 2005)

New PC software that corrects a bug in the Thermostat Configuration Screen that could cause it to crash.

3.45, 32-bit (5 December 2006)

New PC software and PROM making the following changes:

- Daylight savings time uses the new start and stop dates that begin in 2007 for the United States.
- Added a web browser to the software.
- Modified the web pages to use "Cascading Style Sheets".
- Modified the "Run Program" command that can be transmitted to a PC serial port.
- The "Export" function under the file menu now includes custom lights in the ".HVX" file that it generates.

3.45a, 32-bit (9 January 2007)

New PC software that corrects a bug in the web server that could prevent it from reading thermostat and security system status reports from the controller.