

## INSTALLATION for APACHE on Win32

- 1) Put `vkpulse.exe` in a directory of your choice. Any directory is fine, but the examples in this readme assume the files are in `C:\K8055`. Note that this directory does not need to be accessible from the Web.
- 2) Put `kpclient.cgi` in your Apache scripts directory (usually that is `/cgi-bin`). It is assumed that you already have Apache configured to run cgi scripts, and it is beyond the scope of this readme to explain how to do that. Refer to the Apache documentation at <http://apache.org> for help configuring Apache.
- 3) Put `k8055cgi.html` in your web root directory. This example HTML page assumes your scripts directory is `/cgi-bin`. If your scripts directory is something else you will need to edit the HTML. Simply replace all occurrences of “cgi-bin” with the correct path for your system’s setup.
- 4) Plug the K8055 card into a USB port and make sure that Windows has recognized it. Output 8 LED should blink a few times, and then go off. If Output 8 LED is stays lit, Windows has not recognized your card and you need to resolve this problem before continuing. **Important:** the K8055 must be plugged in and recognized by Windows *before* you run this software!
- 5) If more than one K8055 is connected to your system, this software will use the card with the lowest address set on its jumpers.
- 6) Launch `vkpulse.exe` from Windows Explorer.
- 7) Point your web browser at the `k8055cgi.html` page and you should see some results. The URL should be something like: <http://host.yourdomain.com/k8055cgi.html> Host & domain names will need to match your actual configuration of course. Then, in the browser, click the Trigger 1 ON button. Output 1 on the K8055 should blink once, and a green message “OKAY 1” should appear in the browser.

***See readme-server.pdf for K8055 server configuration help!***

## INCLUDED FILES

<code>vkpulse.exe</code>	Runs in the System Tray, maintaining a connection the K8055 Card and keeping track of I/O state.
<code>kpclient.cgi</code>	An instance of this script runs each time a Web browser requests <code>kpclient.cgi</code> (e.g. when a button is clicked on the example HTML page) This script is told what to do by arguments passed after the “?” in the requesting URL – see below for more details. It connects to <code>vkpulse.exe</code> , sends it a command that is forwarded to the K8055 card, and receives a response back. It then constructs a success (or error) message in HTML, outputs it to Apache (which forwards it on to the browser) and terminates.
<code>kpclient.exe</code>	Same as <code>kpclient.cgi</code> , for use with AbelCam webserver. Not used with the Apache webserver.
<code>k8055cgi.html</code>	An example Web page providing a simple push-button user interface. Below the buttons is an IFRAME which serves as a container for the HTML returned by <code>kpclient.cgi</code> . The IFRAME does not need to be visible in your real pages but it’s very handy to have it visible while testing, so you can see any errors that are returned.
<code>k8055.html</code>	Same as <code>k8055cgi.html</code> , for use with AbelCam webserver. Not used with the Apache webserver.

## **COMPLETE LIST OF KPCLIENT CALLS**

<code>/cgi-bin/kpclient.cgi?1</code>	Activate outputs that are checked in Trigger 1 Column.
<code>/cgi-bin/kpclient.cgi?10</code>	Deactivate outputs that are checked in Trigger 1 Column.
<code>/cgi-bin/kpclient.cgi?2</code>	Activate outputs that are checked in Trigger 2 Column.
<code>/cgi-bin/kpclient.cgi?20</code>	Deactivate outputs that are checked in Trigger 2 Column.
<code>/cgi-bin/kpclient.cgi?3</code>	Activate outputs that are checked in Trigger 3 Column.
<code>/cgi-bin/kpclient.cgi?30</code>	Deactivate outputs that are checked in Trigger 3 Column.
<code>/cgi-bin/kpclient.cgi?4</code>	Activate outputs that are checked in Trigger 4 Column.
<code>/cgi-bin/kpclient.cgi?40</code>	Deactivate outputs that are checked in Trigger 4 Column.
<code>/cgi-bin/kpclient.cgi?5</code>	Activate outputs that are checked in Trigger 5 Column.
<code>/cgi-bin/kpclient.cgi?50</code>	Deactivate outputs that are checked in Trigger 5 Column.
<code>/cgi-bin/kpclient.cgi?6</code>	Activate outputs that are checked in Trigger 6 Column.
<code>/cgi-bin/kpclient.cgi?60</code>	Deactivate outputs that are checked in Trigger 6 Column.
<code>/cgi-bin/kpclient.cgi?7</code>	Activate outputs that are checked in Trigger 7 Column.
<code>/cgi-bin/kpclient.cgi?70</code>	Deactivate outputs that are checked in Trigger 7 Column.
<code>/cgi-bin/kpclient.cgi?8</code>	Activate outputs that are checked in Trigger 8 Column.
<code>/cgi-bin/kpclient.cgi?80</code>	Deactivate outputs that are checked in Trigger 8 Column.

Visit <http://www.k8055.info> for more information and **FREE K8055** software.