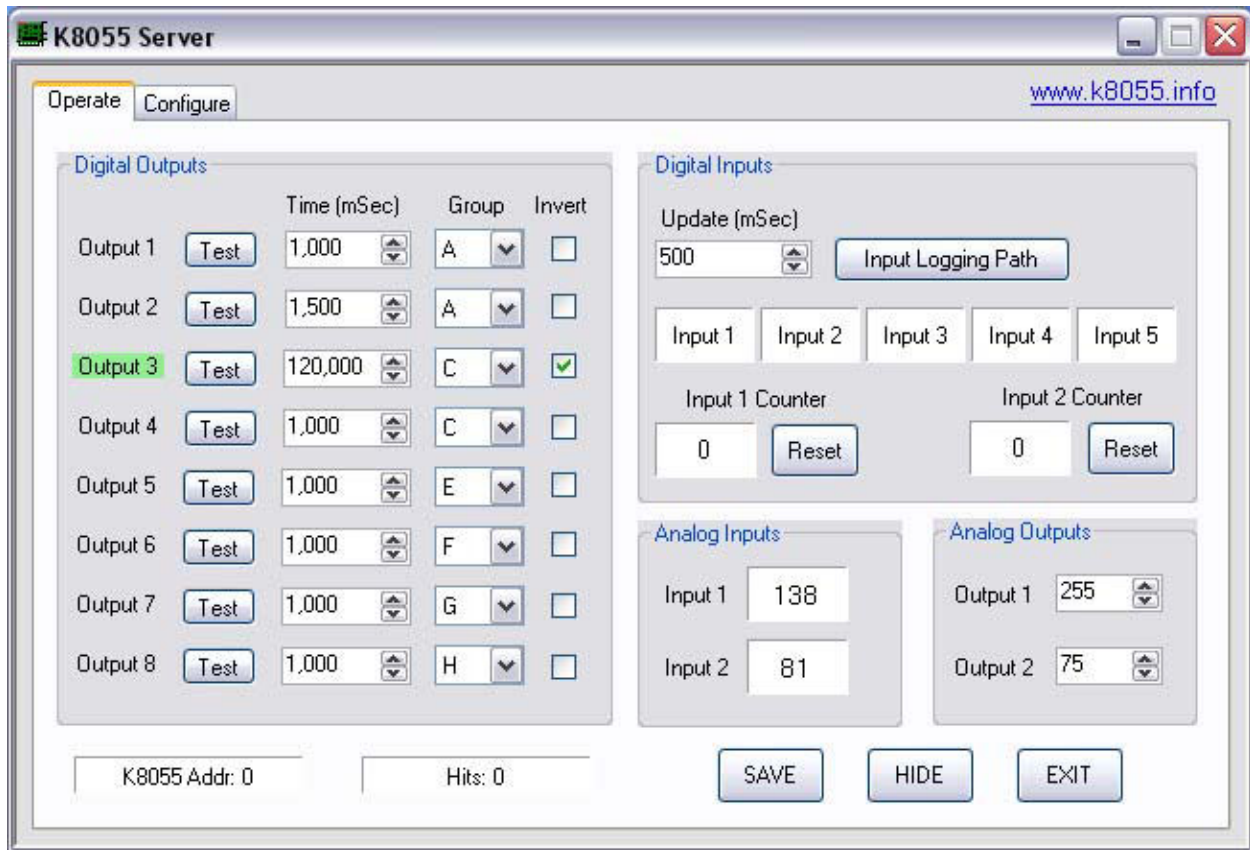


SERVER CONFIGURATION – Operate Tab



Output Labels: Turn green when the corresponding digital output is On.

Test Buttons: Clicking a Test Button will activate the corresponding K8055 output for the amount of time set in the Time (mSec) box.

Time (mSec): Sets the time, in milliseconds, that the output will activate for. (“Pulse Time”)

Group: Grouping allows outputs to be interlocked. If every output has a different group letter, grouping does nothing. But if, for example, outputs 1 & 2 are both set to Group A (as shown) then output 2 can never be activated at the same time as output 1, and vice-versa. This can be very useful for things like making sure one can’t put a motor in reverse at the same time another user is running it forward. Web user input that would result in a “group interlocking violation” is ignored.

Invert: This is the reason we use the term “activated” rather than “turned on”. When Invert is not checked, the output is On when “activated” and Off when “not activated”. But when Invert is checked that is reversed: the output is normally On and turns Off only when “activated”.

Update (mSec): The interval, in milliseconds, that the K8055’s digital and analog inputs, and the card’s onboard counters, are read from the card and updated on the server screen. Every time the inputs are updated their values are also written out to a text file for use by PHP, ASP or other page generation code. Setting this interval unnecessarily low can result in increased CPU usage and/or poor output control performance.

Log Path: Lets you select the folder that the aforementioned text file is stored in.

Reset Buttons: Pressing a Reset button resets the corresponding onboard counter to 0.

Analog Inputs: Displays the values (0 – 255) of Analog Inputs 1 & 2, as read from the card.

Analog Outputs: The controls set the values (0 – 255) that are output Analog/PWM Outputs 1 & 2.

SERVER CONFIGURATION – Configure Tab

Trigger 1	Trigger 2	Trigger 3	Trigger 4	Trigger 5	Trigger 6	Trigger 7	Trigger 8
<input checked="" type="checkbox"/> Out 1	<input type="checkbox"/> Out 1	<input checked="" type="checkbox"/> Out 1	<input type="checkbox"/> Out 1	<input type="checkbox"/> Out 1	<input type="checkbox"/> Out 1	<input type="checkbox"/> Out 1	<input type="checkbox"/> Out 1
<input type="checkbox"/> Out 2	<input type="checkbox"/> Out 2	<input checked="" type="checkbox"/> Out 2	<input type="checkbox"/> Out 2	<input type="checkbox"/> Out 2	<input type="checkbox"/> Out 2	<input type="checkbox"/> Out 2	<input type="checkbox"/> Out 2
<input checked="" type="checkbox"/> Out 3	<input type="checkbox"/> Out 3	<input checked="" type="checkbox"/> Out 3	<input type="checkbox"/> Out 3	<input type="checkbox"/> Out 3	<input type="checkbox"/> Out 3	<input type="checkbox"/> Out 3	<input type="checkbox"/> Out 3
<input type="checkbox"/> Out 4	<input type="checkbox"/> Out 4	<input type="checkbox"/> Out 4	<input checked="" type="checkbox"/> Out 4	<input type="checkbox"/> Out 4	<input type="checkbox"/> Out 4	<input type="checkbox"/> Out 4	<input type="checkbox"/> Out 4
<input type="checkbox"/> Out 5	<input checked="" type="checkbox"/> Out 5	<input type="checkbox"/> Out 5	<input type="checkbox"/> Out 5	<input checked="" type="checkbox"/> Out 5	<input type="checkbox"/> Out 5	<input type="checkbox"/> Out 5	<input type="checkbox"/> Out 5
<input type="checkbox"/> Out 6	<input checked="" type="checkbox"/> Out 6	<input type="checkbox"/> Out 6	<input type="checkbox"/> Out 6	<input type="checkbox"/> Out 6	<input checked="" type="checkbox"/> Out 6	<input type="checkbox"/> Out 6	<input type="checkbox"/> Out 6
<input type="checkbox"/> Out 7	<input checked="" type="checkbox"/> Out 7	<input type="checkbox"/> Out 7	<input type="checkbox"/> Out 7	<input type="checkbox"/> Out 7	<input type="checkbox"/> Out 7	<input checked="" type="checkbox"/> Out 7	<input type="checkbox"/> Out 7
<input type="checkbox"/> Out 8	<input checked="" type="checkbox"/> Out 8	<input type="checkbox"/> Out 8	<input type="checkbox"/> Out 8	<input type="checkbox"/> Out 8	<input type="checkbox"/> Out 8	<input type="checkbox"/> Out 8	<input checked="" type="checkbox"/> Out 8
Time (mSec) 1,000	Time (mSec) 1,000	Time (mSec) 2,500	Time (mSec) 1,000	Time (mSec) 1,000	Time (mSec) 1,000	Time (mSec) 1,000	Time (mSec) 1,000
Use Timer <input checked="" type="radio"/> Trigger <input type="radio"/> Outputs <input type="radio"/> None	Use Timer <input type="radio"/> Trigger <input checked="" type="radio"/> Outputs <input type="radio"/> None	Use Timer <input checked="" type="radio"/> Trigger <input type="radio"/> Outputs <input type="radio"/> None	Use Timer <input checked="" type="radio"/> Trigger <input type="radio"/> Outputs <input type="radio"/> None	Use Timer <input type="radio"/> Trigger <input type="radio"/> Outputs <input checked="" type="radio"/> None	Use Timer <input type="radio"/> Trigger <input type="radio"/> Outputs <input checked="" type="radio"/> None	Use Timer <input type="radio"/> Trigger <input type="radio"/> Outputs <input checked="" type="radio"/> None	Use Timer <input type="radio"/> Trigger <input type="radio"/> Outputs <input checked="" type="radio"/> None

“Triggers” are what you use to make links or buttons on your web page that make the K8055 do stuff. The Activate triggers are 1 – 8 and the Deactivate triggers are 10 – 80. The matrix of checkboxes enables you to specify which K8055 outputs respond to which triggers. You can assign as many outputs as you like in each of the Trigger columns. In the screenshot above, Trigger 1 activates outputs 1&3, Trigger 2 activates outputs 5 – 8, etc.

See next page (and also [readme-abelcam.pdf](#) or [readme-apache.pdf](#) for information on how to send triggers from web pages.

The one possible conflict when assigning multiple outputs to a Trigger is the Group Letters. Remember that outputs with the same Group Letter are, by definition, interlocked (mutually exclusive). So putting two or more outputs that have the same Group Letter on the same Trigger will not work – doing so is a configuration error. If you make this mistake, the number at the top of the Trigger column containing the error turns red (as seen in Trigger 3 above – it is red because Outputs 1 & 2 are both assigned to Group A).

Use Timer Radio Buttons:

When **Trigger** is selected, the Activate trigger immediately activates all outputs that are checked in that code’s column. The outputs deactivate *simultaneously* some time later, as determined by the setting of the timer directly above the radio buttons. If the Deactivate trigger is received while the timer is still running, the output(s) will be all deactivated at once (their time is “cut short”).

When **Outputs** is selected, the Activate trigger immediately activates all outputs that are checked in that code’s column. The outputs deactivate some time later, each according to the setting its output timer (on the Operate tab). If the Deactivate trigger is received while the timer(s) is/are still running, the output(s) will all be deactivated at once (their time is “cut short”).

When **None** is selected, the Activate trigger immediately activates all outputs that are checked in that code’s column. No timers are used, so the outputs will remain activated indefinitely. They will not deactivate until the Deactivate trigger is received.

In other words, Trigger and Outputs are two variations of pulse-on (or “one-shot”) operation, and None is basic “switch it on, switch it off” operation.

COMPLETE LIST OF TRIGGERS – for AbelCam + kpclient.exe

/K8055?1	Activate outputs that are checked in Trigger 1 Column.
/K8055?10	Deactivate outputs that are checked in Trigger 1 Column.
/K8055?2	Activate outputs that are checked in Trigger 2 Column.
/K8055?20	Deactivate outputs that are checked in Trigger 2 Column.
/K8055?3	Activate outputs that are checked in Trigger 3 Column.
/K8055?30	Deactivate outputs that are checked in Trigger 3 Column.
/K8055?4	Activate outputs that are checked in Trigger 4 Column.
/K8055?40	Deactivate outputs that are checked in Trigger 4 Column.
/K8055?5	Activate outputs that are checked in Trigger 5 Column.
/K8055?50	Deactivate outputs that are checked in Trigger 5 Column.
/K8055?6	Activate outputs that are checked in Trigger 6 Column.
/K8055?60	Deactivate outputs that are checked in Trigger 6 Column.
/K8055?7	Activate outputs that are checked in Trigger 7 Column.
/K8055?70	Deactivate outputs that are checked in Trigger 7 Column.
/K8055?8	Activate outputs that are checked in Trigger 8 Column.
/K8055?80	Deactivate outputs that are checked in Trigger 8 Column.

COMPLETE LIST OF TRIGGERS – for Apache + kpclient.cgi

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

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