

INTERFACEGO NK8-PC

for Windows XP & Vista
Version 1.2.7

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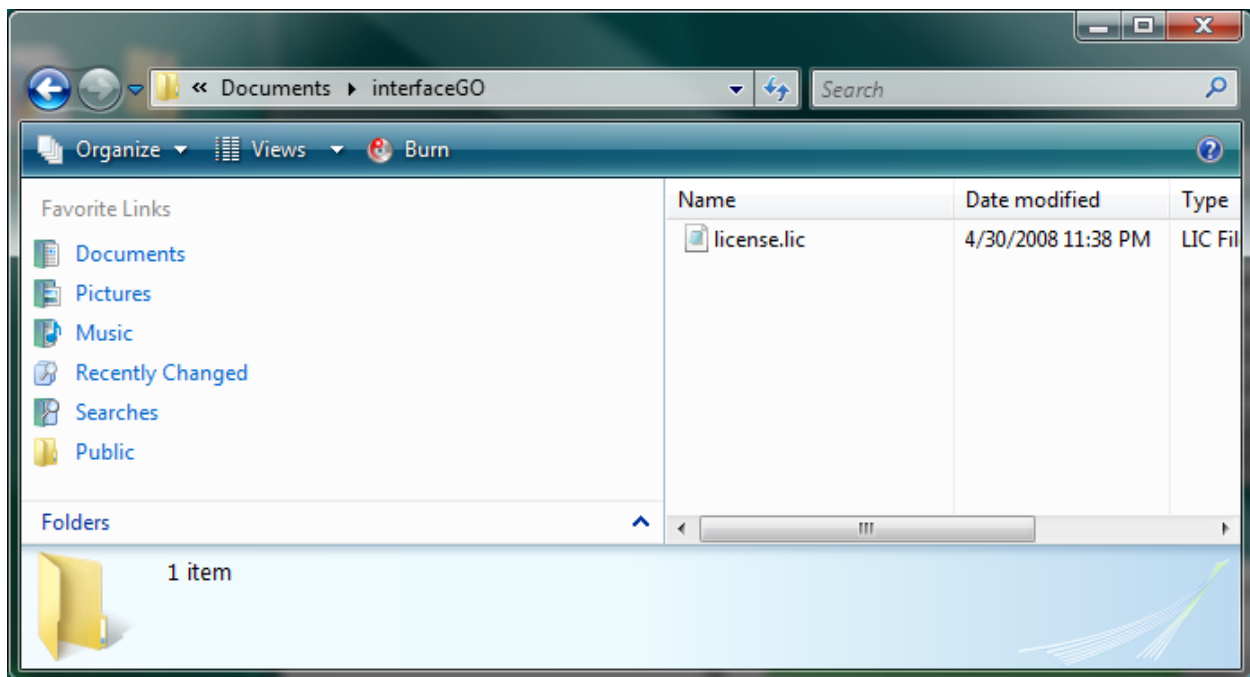
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CHAPTER 1 - INSTALLING THE NK8-PC SOFTWARE

The NK8-PC and NK8 Config Utility require the latest version of Java (currently v1.6). Please visit www.java.com to download & install if needed.

If you received a CD containing the NK8 software, double-click the installation file located within the "interfaceGO NK8-PC" folder to start the installation. If you received your software via email or download, the installation file is contained within the "nk8-pc.zip" file.

Before launching the software for the first time, be sure to copy over the "license.lic" license file into your "My Documents\interfaceGO" folder (or "Documents\interfaceGO" on Vista). If you have not received your license file yet, please email support@interfacego.com with your Activation Code. Your Activation Code will be provided to you when you launch the NK8-PC software for the first time.



interfaceGO NK8-PC license file location

Once installation is complete, please double-click the NK8-PC's icon located on your desktop to run the application for the first time.

Once the application launches, you will see one of three things:

- **SOFTWARE LICENSE AGREEMENT.** This only appears once. Please be sure to read the complete license agreement located at the end of this document and also on the NK8 Config Utility. If you do not agree to the terms, you must discontinue use of this product immediately.

- **LICENSE ERROR.** This means that you have not yet copied your "license.lic" to the interfaceGO folder, or there is a problem with your license file. Please contact support@interfacego.com with the displayed "Activation Code" to obtain a good license file.

- **CAN'T FIND CONFIGURATION FILE.** This means that your NK8-PC is ready to go, but you still need to create your custom interface using the Config Utility.

If your home screen comes up, that means you must have already created a configuration file. Otherwise, click the EXIT button to quit the NK8-PC software and proceed on to the next chapter.

CHAPTER 2 - THE NK8 CONFIG UTILITY

The NK8 Config Utility is an application designed to help you quickly and easily build a custom interface to control your home. The application will connect to your ISY and download the current list of devices & scenes that you have configured. Using the NK8 Config Utility, you simply drag and drop to create your interface!

The latest version of Java is required (currently v1.6), so please be sure Java is already installed before continuing.

Please double-click the installation file to install the NK8 Config Utility. You can find the installation file within a folder called "interfaceGO NK8 Config Utility" on your CD, or within a separate .zip file provided to you with your purchase. Follow the on-screen instructions to complete the installation

After installation is complete, an icon is created on your desktop. Double-click the icon to launch the NK8 Config Utility. The login screen provides two connection methods – the default is UPnP, which is preferred for most users. If your ISY is located on a different IP subnet, choose the IP connection option instead. When using the IP connection method, you must provide the URL to access your ISY along with your ISY's UUID. The HOST field would be your ISY's URL in the form of "http://mydomain.com" or "http://xxx.xxx.xxx.xxx". The UUID field would be your ISY's UUID (available from the ISY's Administrative Console's HELP/ABOUT screen. Please type it in using the format "uuid:xx.xx.xx.xx.xx.xx".

The login screen also prompts for your ISY's username and password. Please be sure to type in your ISY's correct username and password, and then hit LOGIN to connect. Once the Config Utility comes up, please wait 5-10 seconds for your ISY's available devices to populate on the left. If you did not type the correct ISY username and password, the NK8 Config Utility will be unable to download the list of devices and scenes from your ISY.

Below is a screenshot of the Config Utility's interface. Let's get familiar with it.



The interfaceGO NK8 Config Utility

The NK8 Config Utility has standard pulldown menus, allowing you to LOAD an existing configuration file, SAVE your current configuration file, etc. Below are descriptions for everything else.

1 – USER/PASSWORD. The username and password for your ISY. These values are auto-populated with the values provided to sign on to your ISY. This must be correct, otherwise the configuration file you create will not work.

2 – MODE. In the vast majority of cases, leave this set to UPnP. If you'd like to create a configuration file to control your home from outside of your LAN, you will need to change this to IP mode and fill out the appropriate fields (HOST and UUID). The HOST field would be your outside accessible IP address or URL in the form of "https://mydomain.com" or "https://xxx.xxx.xxx.xxx". The UUID field would be your ISY's UUID (available from the ISY's Administrative Console's HELP/ABOUT screen. Please type it in using the format "uuid:xx.xx.xx.xx.xx.xx"). Setting the mode to DEMO will stop the NK8 from connecting to the ISY. Your interface will still operate, but will not send data to/from the ISY. This option is great for off-site demonstration purposes.

3 – LOG. This is for diagnostics purposes only. Setting this value to something other than 0 will force the creation of a log file in your "interfaceGO" folder for troubleshooting purposes. During normal use, please leave this set to 0.

4 – SHOW EXIT. This option allows you to choose whether or not you want an obvious EXIT button shown on your interface. The value "true" displays an obvious EXIT button on the upper-right hand corner of the screen. The value "false" hides the large exit button but creates a small hidden exit button in the top-right most corner of the interface.

5 – ILLUMINATION. By default, a "folder" widget will "illuminate" if a contained widget is ON. Unchecking the "On" box under "Illumination" will turn this feature off for the entire interface.

6 – DEVICES. Check this box to show 'devices' configured on the ISY. Uncheck this box to hide them from the list.

7 – SCENES. Check this box to show 'scenes' configured on the ISY. Uncheck this box to hide them from the list.

8 – LIST. This is a list of devices and/or scenes currently stored on the ISY. Once you create a widget, you can drag and drop from this list to create your interface.

9 – WIDGETS. These are the buttons you can drag and drop onto your virtual interface to create your layout - more on these later.

10 – HOME/BACK. These buttons will help you to maneuver around your virtual interface. HOME brings you back to your top level folder, while BACK simply moves you up one folder in the hierarchy

11 – VIRTUAL INTERFACE. This is the heart of the Config Utility. Drag and drop widgets onto here to create your layout. Drag devices/scenes onto widgets. Click on a widget to select and change its settings. Double-click on a folder widget to go into that folder. Right-click on a widget to pop up the delete option. Click and drag a widget to relocate it within the current folder.

12 – PAGE LEFT/RIGHT. Use these buttons to display more pages within the current folder. If you want more than 6 or 8 widgets within a folder, you may need to use multiple pages.

13 – CURRENT FOLDER. This shows the name of the folder you are currently in.

14 – FOLDER PROPERTIES. This lets you configure options for the currently displayed folder, such as its name and whether you want to use a 6 or 8 button widget layout. It also shows the complete path of the currently displayed folder.

15 – WIDGET PROPERTIES. This lets you configure options for the currently selected widget - such as its name, its address, and its type. Options may vary depending on the type of widget selected.

16 - SHOW ALERTS. This button, if lit, will inform you of any problems that the Config Utility has detected. For example, if you load in an existing configuration file that contains a device that is no longer on the ISY, an "alert" will display reminding you to fix the issue.

Here is a list of the various widgets available, and some information on what they do.

- **FOLDER.** A "folder" widget is just what it implies – a folder where you can store more widgets. Double-clicking a folder widget brings you down one level of the hierarchy, into that folder. Hitting the BACK button brings you back up one folder level. The current folder can be configured to either display 6 or 8 "Widgets Per Page". You can also rename a folder and choose its icon. A handful of icons are available from a drop-down menu to suit your preference. A "folder" widget will "illuminate" on the live interface if one or more of its contained widgets is ON.
- **RELAY.** A "relay" widget is a device or scene with only ON/OFF controls. You can drag a dimmer onto this widget, but you will not have BRIGHT/DIM controls on your touch screen interface – which is sometimes desired. A relay widget allows a device OR scene to be dropped over it. In the case of a scene, you must choose a 'primary device' from a list of scene 'members'. This primary device is the device used to show the status of the relay (ON or OFF). This is useful in situations where you have a group of devices you want to control, but would like to use a single device to show the scene's status. For example, a kitchen table light controllable by 3 different switches - you would drag the scene containing those 3 switches onto the relay widget, then choose one of those switches to represent the status of the scene.
- **DIMMER.** A "dimmer" widget is similar to the relay widget described above. You can still drag a device or scene onto this widget, however it will also show the current dim level and allow BRIGHT/DIM controls to be sent via the touch screen interface to the selected device or scene. On your live interface, tapping this widget will toggle the device/scene between ON and OFF - but pressing and holding this widget will bring up the additional BRIGHT/DIM controls.
- **SCENE.** A "scene" widget is specifically used to control a scene stored on the ISY. For example a "dinner time" scene or a "goodnight" scene. Since the ISY does not keep track of the "status" of a scene, no status indicator is displayed on the widget. If you select this widget, you can choose whether it's a relay scene (ON or OFF only) or dimmer scene (adds BRIGHT/DIM to the control screen). On your live interface, tapping this widget will always send an ON command to that scene. However, pressing and holding this widget will bring up a control screen where you can choose from a variety of commands to send to the scene (ON & OFF, and if it's a dimmable scene then BRIGHT & DIM as well).
- **COMMAND.** A "command" widget is used to send a single explicit command to a device or scene. Simply drag over the device or scene you want to use, and choose the command you want to be sent when the widget is tapped on your live interface. This is useful in situations where you want a quick and easy way to

send a single command. For example, drag a "1st floor" scene onto this widget and choose an OFF command to create an easy way to turn your "1st floor" scene off before bed.

- **THERMOSTAT.** A "thermostat" widget is used to control an Insteon Thermostat device. On your live interface, this widget will display the current temp of that thermostat. Pressing the widget will bring up a control screen where you can see the mode the thermostat is in and also display/change the current set point.
- **INPUT OUTPUT.** An "input output" widget is intended to be used with devices such as the EZIO series of controllers, but can be used with any type of on/off device. Common uses would be a relay to control a garage door, or something similar. There are several different icons available, allowing you to choose which color you'd like the "on" indicator light to be, and also allowing you to choose a garage icon instead of the standard "I/O" icon. On your live interface, this widget will toggle the associated device between ON and OFF when clicked.
- **ALARM.** An "alarm" widget is used to control an ISY-compatible security system (currently the Elk M1G). This widget will show you whether or not the security system is armed - a red LED indicates that the system is armed. Pressing the widget will bring up the control screen where you can arm or disarm the system.
- **WEBCAM.** A "webcam" widget allows you to view a compatible camera's image right from your PC. When using a supported webcam, the NK8-PC for Windows will show you a live, full motion image from the webcam. Please paste your webcam's 320x240 full motion image URL into the "Stream URL" field (*for example: <http://webcam.mydomain.com/ImageViewer?Resolution=320x240>*). If the webcam you are trying to use is not supported by our full motion feature, please check the box labeled "Use Still" and fill out the "Still URL" field with your webcam's 320x240 still image URL (*for example: <http://webcam.mydomain.com/SnapShotJPEG?Resolution=320x240>*). When using the "Still URL", the NK8-PC will refresh the still image as quickly as possible, in many cases resulting in a near full motion appearance. The "Still URL" is compatible with a larger number of webcams than the "Stream URL". For a list of known working webcams, please see the support section of our web site.
- **ENERGY.** An "energy" widget allows you to view realtime electricity usage if you are using the ISY's energy monitoring functionality. The ISY currently supports the Brultech electricity meter.

Most widgets which show an ON/OFF indicator have 2 options under "Widget Properties" that warrant further explanation. They are:

- **BEHAVIOR.** A widget with the "Status Only" box checked under "Behavior" will not allow control within the live interface. The widget will display the current status of the device, but clicking the widget will not control the device.

- **ILLUMINATE.** By default, a "folder" widget will "illuminate" if a contained widget is ON. Unchecking the "On" box under "Illuminate" will exclude the corresponding widget from this status check.

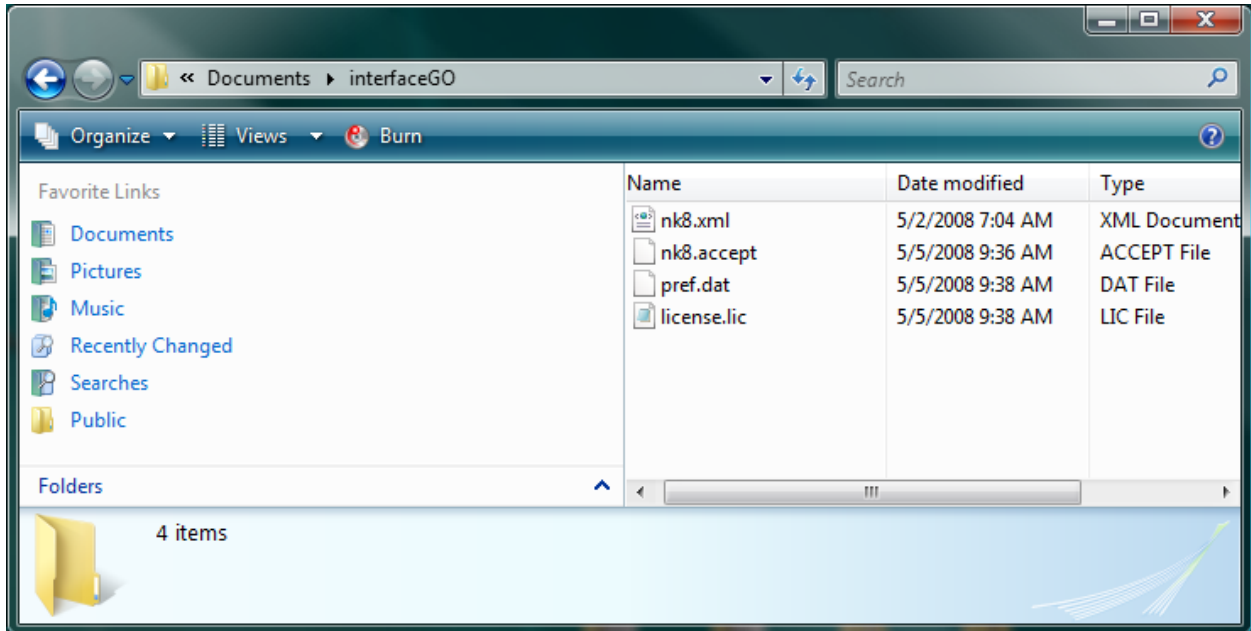
To start building your interface, simply drag and drop widgets onto your virtual interface, then drag and drop devices/scenes onto those widgets. Adjust the names and settings as needed.

When complete, hit FILE, then SAVE AS to choose a location to save your configuration. The default location is your "My Documents\interfaceGO" folder (or "Documents\interfaceGO" on Vista). Please name your configuration file "nk8.xml" as this is the named used by the NK8-PC software.

We highly recommend saving your configuration file to at least two different locations for backup purposes.

CHAPTER 3 - RUNNING THE NK8-PC SOFTWARE

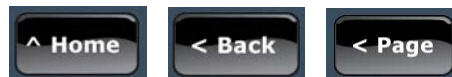
Now that you've created your interface and saved the "nk8.xml" file to your interfaceGO folder, it should look similar to this:



Your interfaceGO folder

Simply double-click the "interfaceGO NK8-PC" icon located on your desktop to start the application. In a few seconds your live interface should be up and ready to use! Remember the following:

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- **NAVIGATION BUTTONS.** Tapping the black navigation buttons on the top and bottom of the screen allow you to move through your interface's hierarchy.



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- **FOLDER WIDGETS.** Tapping a folder widget brings you into that folder.



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- **RELAY WIDGET.** Tapping a relay widget toggles the associated device or scene ON or OFF.



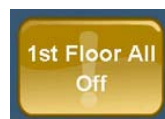
-
- **DIMMER WIDGET.** Tapping a dimmer widget toggles the associated device or scene ON or OFF. Pressing and holding this widget brings up additional controls.



-
- **SCENE WIDGET.** Tapping a scene widget sends an ON command to the associated scene. Pressing and holding this widget brings up additional controls.



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- **COMMAND WIDGET.** Tapping a command widget sends a single user-definable command (set via the Config Utility) to the associated device or scene.



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- **THERMOSTAT WIDGET.** Tapping a thermostat widget brings up the control screen to change the set point and display the thermostat's current mode.



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- **INPUT OUTPUT WIDGET.** Tapping an input output widget toggles the associated device ON or OFF.



-
- **ALARM WIDGET.** The alarm widget will show a red indicator light if your system is currently armed. Tapping the widget brings up the control screen where you can arm or disarm your security system.



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- **WEBCAM WIDGET.** Tapping a webcam widget will bring up the full motion image from the specified webcam.



-
- **ENERGY WIDGET.** Tapping an energy widget will bring up the energy monitoring screen where you can see your current electricity usage & cost. The energy widget will show a red indicator light if your current pricing threshold has been exceeded (as reported by the ISY).



If you ever need to exit the application, simply click the black EXIT button (if shown) or click the top-right most corner of the interface screen to hit the hidden exit button.

CHAPTER 4 – UPGRADING YOUR SOFTWARE

Upgrading your NK8 software is a simple process.

For the NK8 Config Utility & NK8-PC software, simply "uninstall" the applications through "Add/Remove Programs" (or "Programs and Features" on Vista) found within your PC's Control Panel. Once the applications are uninstalled, simply install the updated versions per the instructions found in "Chapter 1" and "Chapter 3". Your license file and configuration files will stay intact.

APPENDIX A: TROUBLESHOOTING

What do I need to use the interfaceGO NK8-PC application?

You will need a Universal Devices ISY-series home automation controller (running the latest firmware, currently 2.6.4) attached to your network. You will need a supported lighting control system (currently Insteon). Security system support requires an Elk M1G. Webcam support has been tested on the Panasonic BL-C1A, but may work on other 320x240 webcams that offer a Motion JPEG URL. You will also need a PC running either Windows XP or Vista, with the latest version of Java installed (currently 1.6), attached to the same network.

Why is the NK-PC and/or NK8 Config Utility not running on my PC?

Be sure that you have the latest Java (currently 1.6) installed from www.java.com.

Can I run the NK8-PC software at the same time as the NK8 Config Utility and/or ISY's Administrative Console, from the same PC?

No. We recommend establishing only 1 simultaneous connection, per PC, to the ISY.

Why isn't the NK8 Config Utility downloading the list of devices & scenes from my ISY?

The config utility uses UPnP to connect to the ISY and download the list of devices & scenes. If they are not showing up, be sure you are typing the correct username and password for your ISY, and be sure that you are able to establish a good UPnP connection with the ISY. If the ISY's Admin Console will not connect to the ISY from your PC, neither will our Config Utility.

Why am I getting a 'LICENSE ERROR' on startup?

Your NK8-PC software must be activated before using. If you have not yet received your license file, please contact support@interfacego.com and provide us your activation code (displayed on-screen). Once received, the "license.lic" file must be copied to the "interfaceGO" folder within your My Documents folder for the NK8-PC software to run.

Will the NK8-PC application run full-screen?

No. The NK8-PC will run only in a fixed-size window (800x480). Look for a future product from interfaceGO designed to run full-screen on Windows-based touchscreen PCs.

Can I control my home with the NK8-PC application through the internet?

Yes, the NK8-PC can be configured to control your home from any internet connection - as long as your router and ISY are configured to allow external access. The NK8-PC supports both HTTP and HTTPS. In the Config Utility, be sure to choose the "IP" connection method and fill in the appropriate fields. Please keep in mind that an HTTP connection is not encrypted, so use this connection method at your own risk.

Why can't I connect to my ISY over the internet?

Make sure you are connecting via 'IP' mode. Be sure you have the ISY configured for access via the internet. Be sure you have the 'Host' value typed in correctly (https://xxx.xxx.xxx.xxx). Be sure you have the 'UUID' typed in correctly (uuid:xx.xx.xx.xx.xx.xx). You can find your UUID on the HELP, ABOUT window of the ISY's Administrative Console.

Is the interfaceGO NK8-PC application compatible with the NK8 touchscreen application for the Nokia?

Yes. Because both software packages share the same configuration utility, a layout created for one application will work with the other.

APPENDIX B: SOFTWARE LICENSE AGREEMENT

This is a legal agreement between you, the end user, and interfaceGO, a division of MB DataSystems, Inc. This agreement covers the interfaceGO NK8 (and/or NK8-PC) software as well as the interfaceGO Config Utility (all referred to as "Software" in the remainder of this agreement). By installing this Software, you agree to be bound by the terms of this agreement.

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