NAME

x10event − X10 event handler and device description file

SYNOPSIS

˜x10/x10event

DESCRIPTION

x10event is a shell script which contains the event handlers for the **x10iod**(1) X10 I/O daemon. It also describes the devices assigned to various house/unit codes. These descriptions take the form of shell commands, so the entire file can be validated with **bash -n** or **ksh -n**. The script uses the **function** keyword to locate event descriptions, so Bourne Shell (**sh**(1)) can not be used.

Event handlers

Event handlers take the form of a shell function. The function declaration must read **function module_***Xnn,* where *X* is the house code and *nn* is the unit code. The open-curly brace must be on the next line.

When properly formatted, during daemon startup **x10iod.init** will recognize this as an event description and configure the **me** property for the device, causing the daemon to invoke the **x10event** shell script, which in turn will invoke the function.

When invoked, an event handler is given 3 parameters: 1, house code; 2, unit code; and 3, event type. The event type will be one of the following: **AllOff**, **LightsOn**, **On**, **Off**, **Dim**, **Bright**, **LightsOff**, **HailRequest**, **HailAcknowledge**, **PresetDim0**, **PresetDim1**, **StatusOn**, **StatusOff**, or **StatusRequest**.

Device descriptions

The format for device descriptions is:

<**light**|**light_group**|**appliance**> *Xnn description*

The *description* should be free of any characters that might interfere with shell processing as the file is also an executable shell script. The device code *Xnn* must be house and unit code, and must not be separated by whitespace.

light	Indicates that device *Xnn* is a light, and adds a light group for the house code. When run as a script, **x10event** collects all **light** devices into a list in the variable **lights.**
light_group	Creates a light group. When run as a script, **lightgroups** is created with a list of all house codes which possess lights. **light_group** can be used to force a house code to be added to this list, but is not usually necessary as the list is automatically formed from **light** entries.
appliance	Registers a device as an appliance. When run as a list, **appliances** is constructed with a list of all appliances.

EXAMPLE

None.

FILES

˜x10/x10event

SEE ALSO

x10cli(1), **x10iod**(1), **printf**(3).