OpenRemote REST API

Contents

1. Beehive REST API

(1) Export a LIRC configuration as a text file

Request URL:

/lirc.conf

Request Method: GET

Parameters: ids: RemoteSection ids, separate by comma

Sample Request Url:

http://localhost:8080/beehive/rest/lirc.conf?ids=1,2

Output:

Combined Configuration files content as String.

Sample Response:

```
#
# This config file has been automatically converted from a device file
# found in the 06/26/00 release of the Windows Slink-e software
# package.
#
# Many thanks to Colby Boles of Nirvis Systems Inc. for allowing us to
# use these files.
#
# The original filename was: "3m mp8640 3m lcd projector.cde"
#
# The original description for this device was:
#
# 3m mp8640 3m lcd projector
#


begin remote
  name          MP8640
  bits          32
  flags         SPACE_ENC
  eps           20
  aeps           200
```

```
header          8800 4400
one             550 1650
zero            550 550
ptrail          550
repeat          8800 2200
gap             38500
toggle_bit      0

frequency       38000

    begin codes
        STANDBY/ON          0x000000000AF5E817
        VOLUME'/\'          0x000000000AF548B7
        ...

    end codes

end remote




#
# this config file was automatically generated
# using lirc-0.6.6(serial) on Sat May 24 18:35:13 2003
#
# contributed by
#
# brand:                Abit
# model no. of remote control: ?
# devices being controlled by this remote: AU10 audio card / windvd
#


begin remote

  name              ABIT_WINDVD
  bits              16
  flags             SPACE_ENC|CONST_LENGTH
  eps               30
  aeps              100

  header            9149 4422
  one               666 1569
  zero              666 474
  ptrail            666
  pre_data_bits     16
  pre_data          0x807F
  gap               108554
  toggle_bit        0

    begin codes
        OnOff           0x000000000000E01F
        Mute            0x00000000000010EF
        Title           0x000000000000906F
        Screen          0x00000000000050AF
        eject           0x000000000000D02F
        ...
    end codes


end remote
```

(2) List all hardware vendors in the database

Request URL:

/lirc

Request Method: GET

Sample Request Url:

Output:

xml or json of a vendors list.

Sample Response:

content-type:application/xml

```
<vendors>
  <vendor><id>1</id><name>3m</name></vendor>
  <vendor><id>2</id><name>abit</name></vendor>
  ...
</vendors>
```

content-type:application/json

```
{"vendors":{"vendor":[{"id":1,"name":"3m"},{"id":2,"name":"abit"}...]}}
```

Errors:

- Error Code:204, No Content. See HTTP/1.1 documentation.If system has no Vendor at all.

(3) List all models of a vendor in the database

Request URL:

/lirc/{vendor_name}

Request Method: GET

Sample Request Url:

.

Output:

xml or json of a Model list of a Vendor.

Sample Response:

content-type:application/xml:

```
<models>
  <model>
    <id>1</id>
    <name>MP8640</name>
  </model>
</models>
```

content-type:application/json :

```
{"models":{"model":{"id":1,"name":"MP8640"}}}
```

Errors:

- Error Code:404, Not Found. See HTTP/1.1 documentation. If system can't find such a Vendor .
- Error Code:204, No Content. See HTTP/1.1 documentation. If this Vendor has no Model at all .

(4) List all RemoteSections of a model in the database
Request URL:

/lirc/{vendor_name}/{model_name}

Request Method: GET

Sample Request Url:

http://localhost:8080/beehive/rest/lirc/3m/MP8640 .

Output:

xml or json of a RemoteSection list of a Model.

Sample Response:

content-type:application/xml:
```
<sections>
 <section>
  <id>1</id>
  <comment>
## This config file has been automatically converted from a device file# found in the 06/26/00 release of
the Windows Slink-e software# package.## Many thanks to Colby Boles of Nirvis Systems Inc. for
allowing  us to# use these  iles.
## The original filename was: "3m mp8640 3m lcd projector.cde"
## The original description for this device was:
## 3m mp8640 3m lcd projector#
  </comment>
  <name>MP8640</name>
  <raw>false</raw>
 </section>
</sections>
```

content-type:application/json :

```
{"sections":
    {"section":
        {"id":1,
        "comment":"#\r\n# This config file has been automatically converted from a device file\r\n# found in
        the 06\/26\/00 release of the Windows Slink-e software\r\n# package.\r\n#\r\n# Many thanks to
        Colby Boles     of Nirvis Systems Inc. for allowing us to\r\n# use these files.\r\n#\r\n# The original
        filename was: \"3m mp8640 3m lcd projector.cde\"\r\n#\r\n# The original description for this device
        was:\r\n#\r\n# 3m mp8640 3m lcd projector\r\n#\r\n\r\n\r\n",
            "name":"MP8640",
            "raw":false
        }
    }
}
```

Errors:

- Error Code:404, Not Found. See HTTP/1.1 documentation. If system can't find such a RemoteSection .

(5) List all RemoteOptions of a RemoteSection in the database

Request URL:

/lirc/{vendor_name}/{model_name}/{section_id}/options

Request Method: GET

Sample Request Url:

Output:

xml or json of a RemoteOption list of a section.

Sample Response:

content-type:application/xml:
```
<options>

  <option><id>1</id><comment></comment><name>name</name><value>MP8640</value></option>

  ...
<options>
```

content-type:application/json :

{"options":{"option":[{"id":1,"comment":"","name":"name","value":"MP8640"}]}}

Errors:

- Error Code:204, No Content. See HTTP/1.1 documentation. If this RemoteSection has no RemoteOption at all .

(6) List all Codes of a Section in the database

Request URL:

/lirc/{vendor_name}/{model_name}/{section_id}/codes

Request Method: GET

Sample Request Url:

Output:

xml or json of a Code list of a RemoteSection.

Sample Response:

content-type:application/xml:
```
<codes>

  <code>

    <id>1</id>

    <comment></comment>

    <name>STANDBY/ON</name>

    <remoteName>MP8640</remoteName>

    <value>0x000000000AF5E817</value>

  </code>
```

...
</codes>
content-type:application/json :

```
{"codes":
          {"code":  [{"id":1,

                        "comment":"",

                        "name":"STANDBY\ON",

                        "remoteName":"MP8640",

                        "value":"0x000000000AF5E817"

              }

               …

                    ]

      }
}
```

Errors:

- Error Code:204, No Content. See HTTP/1.1 documentation. If this RemoteSection has no Code at all .

2. Contronller Request URL

Request URL:

        /cmd.htm?id=button_id

Sample Request Url:

        http://localhost:8080/controller/cmd.htm?id=17