Electric Mayhem xBR

Config File Description

**Revision History**

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| --- | --- | --- | --- |
| **Rev** | **Date** | **Author** | **Description** |
| 1 | 5/8/2012 | GJS | First draft |
| 2 | 6/11/2012 | GJS | Fixed types on sample config file |
| 3 | 9/26/2012 | GJS | Added “last xbrc url” |

**Approval**

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| --- | --- | --- | --- |
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# Introduction

## Purpose

Document the options that may be set via the xBR’s config file.

## Scope

Applies to the xBR only.

## Background

The xBR maintains a config file located at /var/mayhem/grover.conf. The contents of the file is formatted as json. This file is used both for saving configuration options are set by the xBRC, and to allow for overriding some default values by manually editing the config file. This document describes the contents of this file.

Note that any configuration options that can be set in the config file are optional and will default to hard coded default values if not provided and not set by the xBRC.

## Reference

| Document Name & Version | Relationship |
| --- | --- |
| xBR Interface Control Document (ICD) | Documents interface between xBR and xBRC. |

# Sample Config File

Here is a sample config.json file with an entry for every available option:

{

“last xbrc url” : “10.89.48.2:8080”,

"xbrc url" : "10.89.48.2:8080",

"name" : "",

"log level" : 4,

"band id" : "416e697365",

"min ss" : -100,

"tx frequency" : 2483,

"webserverOptions" : {

"document\_root" : ".",

"enable\_directory\_listing" : "no",

"error\_log\_file" : "stdout",

"listening\_ports" : "8080"

}

}

# Config File Options

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Default | Description |
| band id | text (hex) | no filter | If specified, then only pings from the specified band id are collected. |
| last xbrc url | text | none | This is the last URL used to attempt to communicate with the xBRC. This value is written by the xTP at run time and is not intended to be directly edited. If you need to use the config file to point to an xbrc, add a “xbrc url” parameter. |
| log level | 0..5 | 2 | Specifies the amount of information to write to the log file.  0 = logging off  1 = errors only  2 = errors and warnings  3 = level 2 + info messages  4 = level 3 + debug messages  5 = level 4 + all traffic between the dap-reader application and Feig, and between the dap-reader application and xbio. |
| min ss | integer | -127 | Only pings with a signal strength >= this value are collected. The minimum possible signal strength is -127, so setting this to -127 or smaller effectively turns off this filter. |
| name | text | “” | The name of the reader as set by the xbrc. |
| tx frequency | integer | 2483 | Frequency for transmit radio in Mhz. Note that early xBands received oat 2482Mhz, while all other xBands receive at 2483Mhz. Therefore, set this to 2482 for use with early xBands. |
| xbrc url | text | “” | The url of the xbrc. The dap-reader program will post a message to this url + “/hello” at startup.  Under normal circumstances, the xbrc url is provided by the dhcp server and written to the file “/var/lib/dhcp/xbrc-url”. This config file setting provides a way to override the url provided by the dhcp server. |
| webserverOptions | json |  | The webserverOptions portion of the config file should hold a list of key/value pairs. These key/value pairs are passed unaltered to the Mongoose Webserver software. For a complete list of available Mongoose options, see <https://github.com/valenok/mongoose/wiki/Mongoose%20Manual>. |
| webserverOptions/  listening\_ports | text | 80 | This webserverOption sets the ports that the webserver listens on. |