1 SUMMARY

rclockd will systematically update the system time to synchronize it with a radio clock attached to the serial port.

By default the configuration is read from /etc/rclockd.conf - An alternative configuration file can be specified using the -c option (see below for a list of valid settings).

The -d (daemon) option will start rclockd in the background and write any output messages to the log file specified in the configuration. There is no default log file, so by default output is not logged. Only startup and shutdown notices are logged by default unless the -v (verbose) option is passed. With this option, rclockd shall output the 'date' command being executed with the time received from the radio clock device.

Passing the -h option to the program will show help with all possible command-line parameters, duplicated below:

2 USAGE

```
Usage:  src/rclockd  [OPTION...  [FILE]...

−h             Shows  program  help.
−c <file>      Specifies  configuration  file  location.
−d             Run  as  daemon.
−v             Verbose.  This  will  output  the  date  command  being  called.
```

3 CONFIGURATION FILE

The settings specified in the configuration file should follow the following format: option = value - where each option/value pair is on it's own separate line. Empty lines are ignored. Lines starting with a #-character will be treated as comments and will be ignored as well. Option keywords are not case sensitive, but their values are.

3.1 Valid configuration file options

The following are the option keywords that can be used in the configuration file:

Delay : Value in seconds of how frequent rclockd should fetch the time from the clock and update the system time. (default : 5)

EXAMPLE:
```
delay  =  20
```

LogFile: Path to the file to which logging information will be written. (default: no default setting - logging is disabled by default).

EXAMPLE:
logfile = /var/log/rclockd.log

LogVerbose : Binary boolean value (1 or 0) indicating whether or not to log the date commands called by rclockd when synchronizing the system time with the radio clock. These commands include the time received by the clock, and are called for every interval specified in the delay setting. It recommended to use logrotate if you enable this setting + file logging, to prevent the logfile from filling the disk. (default: 0)

EXAMPLE:
logverbose = 1

Date: Path to the date program. (default: /bin/date)

EXAMPLE:
date = /usr/local/bin/date

4 Author

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