Electronics

Rainbow Clock

User's manual

Document Revision. A

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Glossary

1. Microcontroller

to-do ...

2. Bluetooth

to-do ...

3. Refresh rate

to-do ...

Product overview

1. Description

Rainbow Clock is an unusual timekeeping device with an exotic look and designed with electronics in mind.

2. Capabilities

- Display the current time of the day
- Synchronize itself via a Bluetooth connection
- Alter its color scheme depending on events

3. Quick specs

- Microcontroller: PIC32
- LEDs: 60, RGB type
- Refresh rate: ~10Hz
- Power: xWatt

Basic operation

1. Reading the time of day

to-do ...

2. Changing the color scheme

to-do ...

3. Updating the time on the clock

to-do ...

Advanced operation

1. Synchronizing the clock using Bluetooth

to-do ...

Technical details

1. Block *diagram*

to-do ...

2. Components used

to-do ...

Planned features

- ***Display basic weather data and forecast using built-in sensors***

  Data gathering could reveal itself being a nice addition to the project.

Contributions

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Endnotes