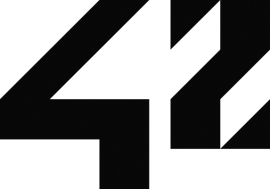
Rainbow Clock

Electronics

User’s manual

*Document Revision. A*

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# Glossary

1. Microcontroller

*to-do ...*

1. Bluetooth

*to-do ...*

1. Refresh rate

*to-do ...*

# Product overview

## Description

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

## Capabilities

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

## Quick specs

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

# Basic operation

## Reading the time of day

*to-do …*

## Changing the color scheme

*to-do …*

## Updating the time on the clock

*to-do ...*

# Advanced operation

## Synchronizing the clock using Bluetooth

*to-do ...*

# Technical details

1. Block *diagram*

*to-do ...*

1. 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