

IPASS 2018-2019

# Portable Radio Bluetooth Memory Solar Energy

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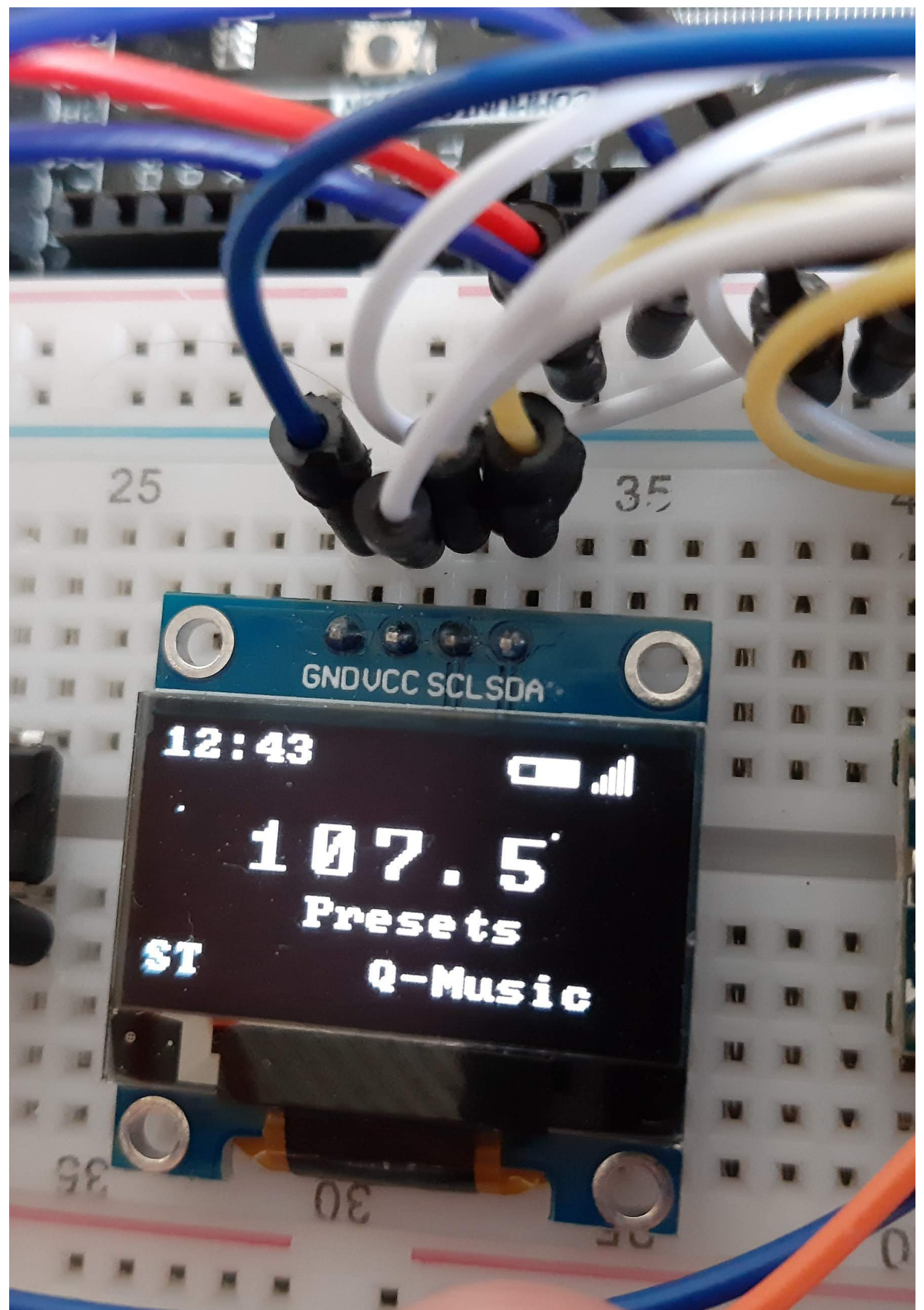
A radio supporting both FM and Bluetooth. Also supports RDS, Time keeping, easy to use GUI and external output / input.

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Source-code:



<https://github.com/JVKran/IPASS>



## Components

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Written Libraries:

- TEA5767
- RDA5807M
- DS3231 (RTC)
- 24C256 (EEPROM)
- KY-040(Rotary Encoder)

Used Hardware:

- PAM8403 (AMP)
- SSD1306 (OLED)
- TP4056 (Li-Po charger)
- MT3608 and LM2596
- 2x3W speakers
- Bluetoothmodule
- 250mA Solar Panel