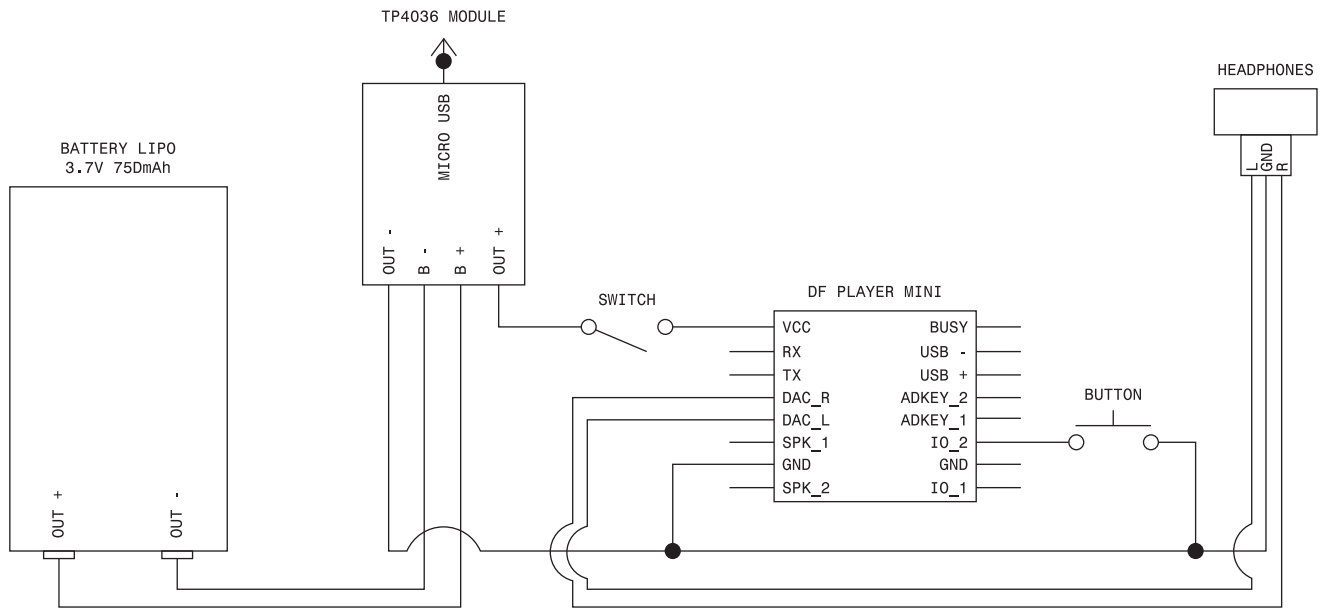

INSTRUCTIONS

- 1 - Turn on the slide switch to power the circuit;
 - 2 - Press the button to activate playback (LED will light up blue); press the button again to play from the beginning;
 - 3 - Press and hold the button to turn up the volume. The volume will return to its initial level once the device has restarted;
 - 4 - When the device is discharged, recharge via the MicroUSB port:
 - The Red LED indicates charging in progress; Blue LED indicates charging has finished.
-

LUCA
PAGAN

NAKED
MUSIC



CREDITS

- Music, Hardware and Engineering by Luca Pagan
- Design by Luca Pagan, Francesco D'Abbraccio and Andrea Facchetti
- Mixed by Luca Pagan
- Curated by Krisis Publishing
- (C) Luca Pagan
- (P) Krisis Publishing, 2020

TECH SPECS

- Device measures 10x6x2cm
- Device weight 140g
- Audio Stream 18'30"
- Audio is 192 kbps file .mp3

Limited edition of 50 (/50)

COMPONENTS

- 1x DFPlayer Mini 1,92 euro
<http://www.picaxe.com/docs/spe033.pdf>
- 1x Micro SD card: 128mb, class4 1,65 euro
- 1x Battery LiPo 3.7V 750mAh 3,49 euro
- 1x TP4056 Charging Board 5V M-USB 1A 0,96 euro
haoyuelectronics.com/Attachment/TP4056-modules/TP4056.pdf
- 1x Slide Switch: 3 pin 0,16 euro
<http://www.orion43.ru/pdf/18386.pdf>
- 1x Push Button Switch: 4 pin 0,04 euro
<https://www.mouser.it/datasheet/2/15/SKHH-1370651.pdf>
- 1x Connector Jack 3.5mm 3 pin 0,39 euro
<https://docs.rs-online.com/218f/0900766b815885df.pdf>
- AWG 28 (6x13m box) 0,19 euro x unit
- 120g Prochima E-30 1,6kg 3,53 euro x unit
http://www.prochima.it/files/E-30_versione-7.pdf

total component costs = 08,61 euro x unit
total cost = 13,11 euro x unit

DETAILS

- 1x DFPlayer Mini:
 - Support Mp3 and WMV decoding
 - Sampling rate of 8KHz, 11.025KHz, 12KHz, 16KHz, 22.05KHz, 24KHz, 32KHz, 44.1KHz, 48KHz
 - 24-bit DAC output, dynamic range support 90dB, SNR supports 85dB
 - Supports FAT16, FAT32 file system, maximum support 32GB TF card
 - 30 levels volume adjustable, 10 levels EQ adjustable.

- 1x TP4056 Charging Board 5V MicroUSB 1A:
 - Based around the TP4056 charger IC and DW01 battery protection IC
 - 1A charge current then cut off
 - Module Name: Rechargeable lithium battery module
 - Method: linear charge 1%
 - Charging current: 1A Adjustable (Through 1.2k R3 RPROG Resistor)
 - Charge Accuracy: 1.5%

- Input voltage: 4.5V-5.5V
- Full charge voltage: 4.2V
- Deep Drain protection voltage: 2.5V
- Over-current protection: 3A
- Charging input interface: Micro USB
- Working temperature: -10 Degree to +85 Degree
- Polarity Reversal: Not Allowed

- 1x Slide Switch 3 pin:
 - Model: ss-12d00g3
 - Type: 1 Pole 2 Throw
 - Terminals: 3
 - Operating Power: 0.5A 50V DC
 - Contact Resistance: 30mΩ Max
 - Insulation Resistance: 100mΩ Min at 500V DC
 - Maximum Voltage: AC 500V for 1 min

- 1x Push Button Switch 4 pin:
 - Size: 6 x 6 x 5mm
 - Temperature: -30 ~ +70 Centigrade
 - Withstand voltage: AC250V
 - Rated load: DC12V 50mA
 - Contact resistance: ≥0.03MΩ
 - Insulation resistance: ≥100MΩ