FN-AP02-LDR Light Sensor Activated Sound Module

User's Manual

V1.0

Working Mechanism

When the module is in the light, it plays a sound automatically and repeatedly. When the surroundings of the module turns to dark, it stops playing.
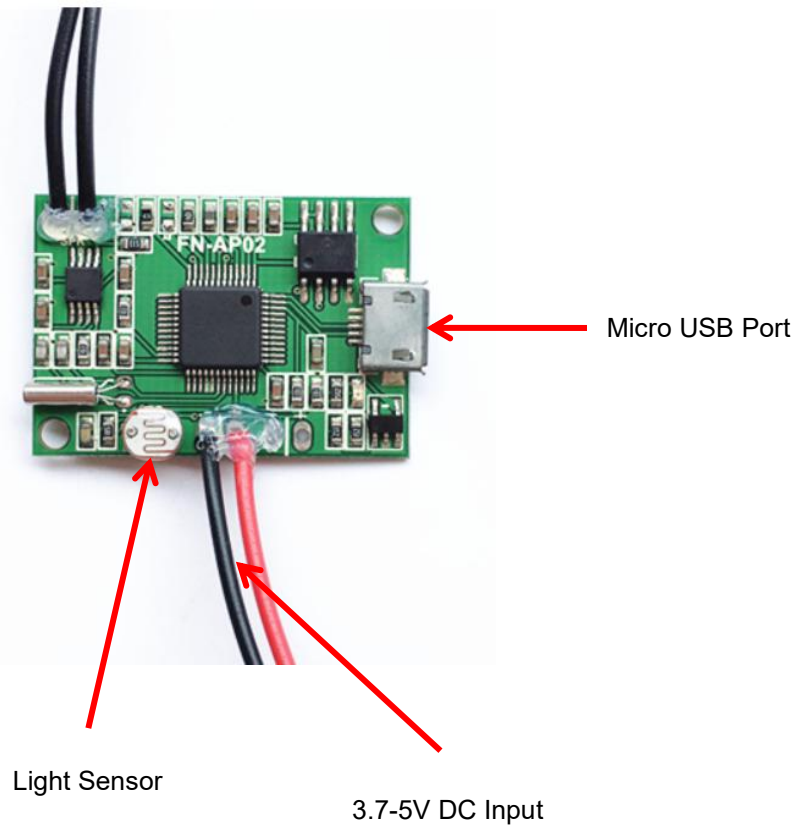
Features

1. Built-in a high quality MP3 decoder chip.

2. Equipped with a 4MB (32Mbits) flash memory on the board.

3. Update MP3 sound file easily through connecting the micro USB port on the module to PC using an Android phone purposed USB data cable.

4. Equipped with a 0.5W 8ohm speaker.

5. Can be powered with a 3.7V li-ion battery or 3 x AA / AAA dry batteries.

6. Low power consumption design. No power consumption when it's standby.

7. Clear and loud sound output.

8. Very small PCB and easy to install.

9. PCB size: 32mmx22mm

10. Speaker diameter: 57mm

Technical Parameters

1. Working voltage: 3.7V to 5V DC

2. Working current: ≤100mA (Input: 4.5V DC)

3. Quiescent Current: 0mA

4. Power Consumption: ≤0.5W

5. Flash memory size: 4MBytes(32Mbits)

6. Audio format: MP3

Operation Guide

Micro USB Port

Light Sensor

3.7-5V DC Input

When you update the audio file, please use an Android phone purposed USB cable to connect the module to computer. Once it's connected, you will see an icon of USB flash drive / disk on your computer. Open it and delete the pre-loaded audio file for testing purpose at factory and then copy in your own audio file. It's done after you safely remove the connection.

2