

The perfect solution to add HiFi audio to any project !  
A single module that can manage  
FAT32 Memory Cards and MP3 decoding.



# MP3 stamp



It very advantageously replaces all types of audio players. Highly reliable, without any mechanical parts, this system can diffuse stereo hi-fi music or messages, 24 hours a day, 7 days a week. It can be simply started by closing a contact, for more complex applications it also includes a communication port.

It stores messages & sounds on a standard removable SD/MMC memory cards, easy to replace and as easy as a Floppy Disk to copy.

In accordance with compression rate and memory card capacity, up to 72 hours messages duration (voice quality and 1 GB memory card), but a 32MB memory card may already store up to 30 min. of Hi-Fi stereo quality (128kb/s). Over 250 reachable messages.

Communicate with a Host CPU through a serial protocol (RS/232-485). Only 2 Headers (4+6) are needed to interface it including audio and power supply.

...in the subway



www.mp3stamp.com

REALITY SYS sa

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...in a elevator

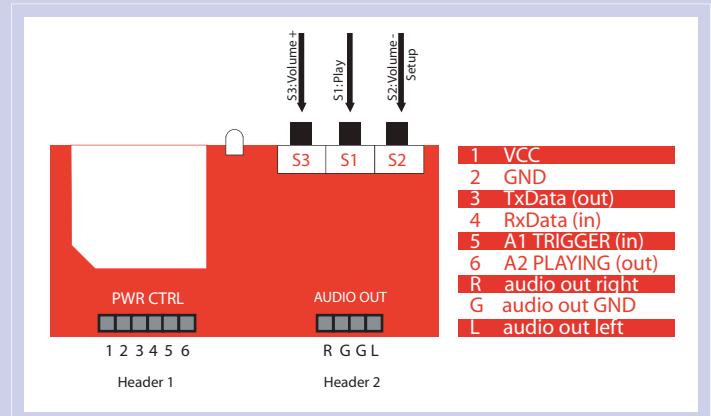


Recording duration

Card Capacity	Comments	+Music	"CD" Quality
32MB	2 h	90 min	40 min
64MB	4 h	3 h	80 min
128MB	8 h	6 h	160 min
256MB	16 h	12 h	5h 30 min
512MB	32 h	24 h	11 h
1GB	64 h	48 h	22 h

## Advantages :

- ▶ Very small size : 65mmx40mm (2,5" x 1,5").
- ▶ On board switches for stand alone application or local tests.
- ▶ Automatic start playing any track by simple contact closure.
- ▶ ASCII command protocol on bidirectional asynchronous serial port.
- ▶ Operating parameters stored in flash memory.
- ▶ Wide range power supply from 5V to 14V.
- ▶ High quality analog output for crystal clear noiseless sound.
- ▶ Audio output can be directly connected to headphones or mono/stereo amplifier.
- ▶ Status led.
- ▶ Compliant RoHS.



- ▶ Recording Format: Digital mp3 St Coding, 32->256kbs + vbr
- ▶ Sample frequency: 22khz or 44khz, mono or stereo.
- ▶ Bandwith (-3db): 20 – 20khz
- ▶ Output impedance: > 1K $\Omega$
- ▶ Separate stereo: > 58db
- ▶ S/N: > 92db
- ▶ Track access time: < 100ms
- ▶ Output Level at 0DB 10K: 700mv
- ▶ Interfaces: Serial port and logical levels
- ▶ Connectors: 2 headers SIL 2.54mm
- ▶ Processors: 2 (CPU RISC + DSP)
- ▶ Recording media: SD «Secure Digital» or MMC «MultiMediaCard»
- ▶ Power Supply: 5,5VDC-12VDC
- ▶ Start playing: By closing contact
- ▶ Communication: Serial asynchronous 9600,8,N,1

Some characteristics



...in a public place