

# Mockingboard 4c (MB4c)

Internal Sound Card for the Apple IIc, by Ian Kim

## COMPATIBLE GAMES & MUSIC APPS

### GAMES — Mockingboard Compatible

- 8bit-Slicks††👍
- Airplane Simulator (Airsim-3)👍: <http://tinyurl.com/28zee8ky>
- Alien Clonepure🚫: <https://archive.org/download/alienclonepure>  
(Mockingboard music should appear during **gameplay**, not the intro, but I couldn't hear it.)
- Angry Birds†👍
- Apple Cider Spider†👍
- Attack of the Petscii Robots🔴👍 ("a2robots" — 💰 not free!): <http://tinyurl.com/cxuh98ku>  
(I hear sound only from the **right speaker**. Game bug? 🐛)
- At The Gates of Moscow 1941🚫: <https://www.apple.asimov.net/images/games/strategy/>
- Berzap!†👍
- Black Belt††🚫
- Bouncing Kamungast👍
- Broadside👍: <https://tinyurl.com/3wk2v89s>
- Genius 1†🔴👍
- Genius 2†👍 (Works, but high-pitched whistles and whines make it annoying)
- Genius 3†👍
- Jumpy Guy👍: <https://tinyurl.com/y5ctnf75>
- Lady Tut†🚫
- Lancaster†👍 (Game play smooth with the keyboard, but stutters & freezes with a joystick.)
- Maze Craze🔴👍: <https://tinyurl.com/5ca3pm95>
- Mapple†👍
- Microbe🚫: <https://tinyurl.com/4tv6hd3f>
- Night Flight🔴👍: <https://tinyurl.com/252fy68b>
- Nox Archaist (💰 not free!) <https://6502workshop.com/>
- Oubliette 2021 (💰 not free! IIc incompatible?): <https://8bitshack.org/post/oubliette2021/>
- OldZone†👍
- Pitfall II†👍
- Popeye🔴👍 (intro music only?): <https://tinyurl.com/29e3hn22>
- Silent Service††🔴👍
- SkyFox†👍 (Game won't appear on Total Relay until you connect a Joystick.)
- TAC: Tactical Armor Command👍: <https://tinyurl.com/3cwfad82>
- The Spy Strikes Back†👍
- Thunder Bombs†👍
- Ultima III🔴👍: <https://www.apple.asimov.net/images/games/rpg/ultima/>
- Ultima IV🔴👍: [https://www.apple.asimov.net/images/games/rpg/ultima/ultima\\_IV/](https://www.apple.asimov.net/images/games/rpg/ultima/ultima_IV/)  
You also need Ian Kim's **PATCHED** "boot" disk (Ultima4): <https://quick09.tistory.com/1297>
- Ultima V👍: [https://www.apple.asimov.net/images/games/rpg/ultima/ultima\\_V/](https://www.apple.asimov.net/images/games/rpg/ultima/ultima_V/)
- WillyByte†🔴👍 (Plays opening music, but crashes when you press SPACE)
- Zaxxon†🔴👍

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† [Total Replay v5.2](#) games

†† [Total Replay II](#) games

🚫 Incompatible with MB4c or couldn't confirm MB4c audio (if you can, let me know)

💊 MB4c requires [Ian Kim's PATCHED apps](#)

👍 JDW confirmed working with MB4c

🔴 Requires MANUAL ON (restart by CTRL-OpenApple-Esc. After the beep, press CTRL-RESET for ] prompt):

    ]CALL-151

    \*C403:FF FF

    \*C600G

### MUSIC — MockingBoard Compatible

- Music Construction Set 🚫👍: <https://tinyurl.com/55knmipx>
- MIDI2MOCK 👍 (plays only 3 voices on RT speaker! Bug? 🐛): <https://tinyurl.com/2s444uwm>
- Cybernoid Music Disk 🚫👍: <https://github.com/tomcw/Cybernoid/releases>
- Latecomer DEMO (awesome!) 👍: <https://www.fenarinarsa.com/?p=1229>
- PT3 Player 👍 (So sad! Plays only on RT speaker! Bug? 🐛): <https://tinyurl.com/v3x7ddtj>
- French Touch Vault (PURE NOISE 💊👍 & (NOT SO) Cheap Tunes 💊👍) :  
<http://fr3nch.t0uch.free.fr>
- SunBug Samples 👍 (Plays only on RT speaker! Bug? 🐛): <https://www.sunbug.net/6>
- ChipTune Player 👍 (Plays only on RT speaker! Bug? 🐛): <https://tinyurl.com/4vy8jxm2>
- Sweet Micro Demo Disk 👍: <https://tinyurl.com/52ajmrsv>
- Sweet Micro Holiday Music Disk 🚫: <https://tinyurl.com/amyuij2t>
- Bank Street Music Writer JUKEBOX (where to download???)
- The Music Disk (where to download???)

### NOTES:

1. If a Total Replay Game that should be MB4c compatible is not playing MB4c music or sounds, try restarting. Sometimes that fixes it
2. **Ape Escape** should be Mockingboard enabled, but I find that it only plays through my IIc's stock speaker, and the same is true of Virtual ][ as well. It may require the SC-01 speech chip. Neither the MB4c nor Virtual ][ have speech functionality. The MB4c is basically a Mockingboard "A".
3. **Apple Cider Spider** won't play Mockingboard sound when using the virtual IIc & virtual Mockingboard within the Virtual ][ emulator. Must be a Virtual ][ bug. MB4c has no problem with the game.
4. **Bouncing Kamungas** works great with the MB4c, but I can't hear Mockingboard audio when using a virtual IIc on the Virtual ][ emulator. Another Virtual ][ bug?

### MORE INFO

- 1980's MockingBoard Compatibility: <http://tinyurl.com/ycx6phwp>
- Compatibility Discussion: <http://tinyurl.com/mrxf2yix>
- **Total Replay** CHANGE LOG: <https://tinyurl.com/m5jnv9t3>
- **Total Replay II** CHANGE LOG: <https://tinyurl.com/3ns3e7jn>

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**OTHER GREAT GAMES — No Mockingboard support**

- Airheart †
- Archon †
- Asteroids
- Bruce Lee† (great sound)
- G.I. Joe† (great sound)
- Choplifter †
- Death Sword†
- Defender †
- California Games by Epyx ††
- Galaxian†
- Karateka†
- Lode Runner†
- Maniac Mansion
- Mario Bros†
- Microwave†
- Moon Patrol†
- Ms. Pacman†
- Prince of Persia† (*Requires MB4c Hardware Mod, [contact Ian Kim](#)*)
- Renegade†
- Rescue Raiders†
- Spy Hunter†
- Test Drive††
- Tetris†
- Thexder†

**Confirm an error? Want a change? Send me the details [by email](#).**

 **My MB4c VIDEO:** <https://youtu.be/Wr3nxb16zM>

Last Update by [JDW](#): 2/4/2025