MK-142C Can Play MP3! Ultra-thin Voice Player Board Assembled (with Speaker, USB, Built-in Memory)

MYCOMKITS.COM's "MK-142C Can Play MP3! Ultra-thin Voice Player Board Assembled for Built-in (with Speaker, USB, Built-in Memory)" is the playback board (a speaker, a battery box, a PLAY button for playback.) which can make easily the voice explanation equipment of a product, and musical prolonged playback equipment as well as an original voice message card. It decodes the MP3 file form and plays back it with comparatively big volume(maximum of about 0.5W) from an attached speaker(30mm diameter, monaural). The MP3 file is easily recordable by drags and drops from PC to the built-in memory (about 4 M bytes) mounted on the board through a USB interface. You put in a battery, only push a reproduction switch, and can operate it easily.

FEATURES:
- It record the MP3 file which it play in a built-in memory (4 M bytes). maximum of about 6 minutes (it is dependent on the compression ratio and data volume of the MP3 file) in general at a 44-kHz sampling and the 192k bps bit rate.
- With a USB interface (Mini-B type) (it is recognized as an external memory "removal memory" when connecting PC.) Can record and delete an MP3 file with PC Note: A USB cable is not included..
- No battery back up required (It is recorded on nonvolatile memory)
- User friendly, easy to use operation
- It play and stop with the push-button switch for playing (in the case of two or more files, it plays one file recorded on the next)
- After finishing playback of all the MP3 file, it is a power down automatically.
- Battery box attached for three size AAA batteries (battery itself is not contained)
- Speaker (diameter 30 mm is included) Monaural output

Specification:
- Output About 0.5W (monaural) (recommendation: if you attach a speaker with big diameter and capacity (W), you will hear still louder and good sound)
- Power Supply about 2.5v to 5.5V (4.5V recommended) Battery box for 3 size AAA battery attached
- Power consumption
  about 100 mA during playback (it is dependent on volume) about 0.05 uA during a stop (although consumption current is zero mostly) .Please remove a battery, when you do not use it for a long time.
- Automatic power down function (about 0.05µA in power consumption)
- Board size about 29mmx22mmx5mm (main board), 14mmX13mm (USB board), about 30 mm (about 5-mm thickness) of speaker, About 12 mm x 12 mm (about 5-mm thickness) of push-button switch
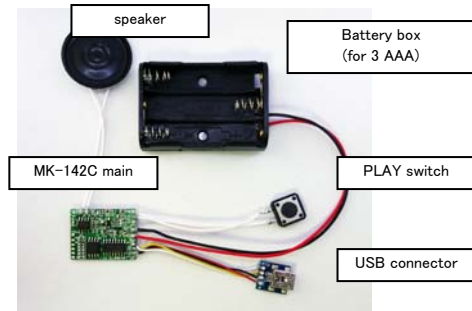- Weight About 18g (a battery is not included)

Instruction:
1. Record preparation of MP3 file: You connect with PC using a USB (MINI-B) cable (it is not attached). When this equipment is connected to PC via USB, it is recognized as an external USB memory (a removable memory).
2. Record MP3 files: You record the MP3 files to play (it is a maximum of about 4 M bytes).
3. Remove a USB cable.
4. Mount three size AAA batteries in a battery box (Use the same and new batteries)
5. Press PLAY switch. It begins playback in about 1 second.
6. If a PLAY switch is pushed during playback, it will stop. When two or more MP3 files are contained, it plays one file recorded on the next as pushing again.
7. With double-stick tape etc., fix to equipment or a card and mount MK-142C (a board, a speaker, a switch, battery box). **Recommendation: if you attach a speaker with big diameter and capacity (W), you will hear still louder and good sound. Important: Please be sure to use the speaker with some box, and remove the sound on the back side to hear. Since the sound and the wavelength on the front**

side are reverse if the sound on the back side can be heard, they are denied, and sound becomes small, and only loud sound can be heard.

Precautions:
- After pushing a play switch, it begins playback in about 1 second.
- About 0.2 second of the head of an MP3 file is not played Please be sure to put in a silent portion.
- When a power supply is switched on with a play switch pushed, it plays automatically.
- Important: Please be sure to use the speaker with some box, and remove the sound on the back side to hear. **Since the sound and the wavelength on the front side are reverse if the sound on the back side can be heard, they are denied, and sound becomes small, and only loud sound can be heard.**
- When you record by Macintosh PC ,it may not be able to record correctly for some reason. In that case, please change a file name and try.
- Sound may break off depending on an MP3 file. (It corresponds to ISO11172-3 and CBR+VBR+ABR). When files other than MP3 form are changed into MP3 by a certain file format conversion software and it changes by the bit rate (original is 64k bps and MP3 is 192k bps etc.) quicker than original, itI may be unable to reproduce correctly. When the MP3 file is similarly created by the sampling frequency higher than original about the sampling rate, it may not be reproduced correctly (for example, when MP3 of original is 44 kHz in 11 kHz etc.). Please be careful.
- -Please note that the product may come with recorded sounds from outgoing inspections.
- MYCOMKITS.COM's "MK-142C Can Play MP3! The ultra-thin voice player board assembled for built-in (a speaker, USB, with a built-in memory) are not contained in the case. Since it is still a circuit board as a photograph, if an electric wire is pulled, it will go out simply. Handle the product with care and do not cut the wiring or bend the parts as it comes only as the circuit board shown in the photos.
- **Make sure that children do not put electrical components (condenser, button cells, microphone, speaker, etc.) into their mouths.**
- The buttons or batteries may have poor contact in areas with high levels of humidity.
- **Keep the product away from magnetic cards such as credit cards and ATM cards** as the speaker contains a powerful magnet. The magnet can erase the data recorded in magnetic cards.
- If direction of a battery is mistaken, equipment will break in an instant. Please be careful.

CONTACT DETAILS
Access the following MYCOMKITS.com website below for related detailed documents.

http://www.mycomkits.com

Contact us at the email address below if you have any questions.
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Assembled (with Speaker, USB, Built-in Memory)

Top View

Battery box for 3 AAA size battery
"batteries are not included"

30mm diameter speaker

PLAY switch
"Play when you press"

22mm

29mm

USB port
"Mini-B. USB cable is not included"

USB connector
"Mini-B"