SAFE
USER MANUAL

MEGAVOICE
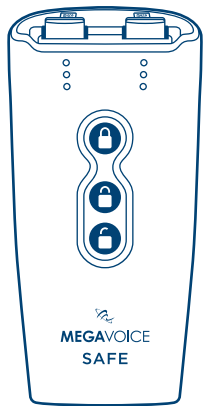SAFE

ABOUT THE SAFE

Thank you for purchasing the SAFE – the unique microSD card locker* from MegaVoice!

Basic functionality:

- Display the current lock status of a microSD card**
- 🔒 Permanently lock* an *unlocked or temporarily locked* microSD card (irreversible)
- 🔓 Temporarily lock* an *unlocked* microSD card (reversible)
- 🔓 Unlock* a *temporarily locked* microSD card

In the context of the SAFE, "lock" means "write-protect".

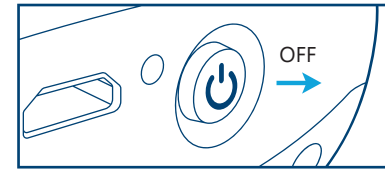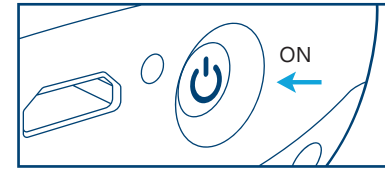**SAFE can only recognize and manage locks applied by itself.*

The SAFE can process most any major brand microSD card that adheres to SD specifications 2.0 and above.

⚠ *Before purchasing large quantities of a specific card for use with the SAFE, it is strongly recommended to verify all functions on a sample card first. See TESTING A SAMPLE CARD.*

⚠ *While SAFE does lock (write-protect) microSD cards, it cannot prevent the contents of a card from being copied!*

TURNING THE SAFE ON/OFF

ON

OFF

Located at the bottom of the unit, press in the power button ⏻ until it is flush with the case. SAFE will turn on, flash all the card reader LEDs in sequence while performing a system test and then beep twice. The power LED, next to the power button, will also light up.

Press in ⏻ again to release the button and turn the unit off (all LEDs will turn off).

PREPARING A CARD BEFORE LOCKING
⚠

After a card is loaded with the desired files, it is very important to **eject** the card from the computer **before** removing it.

Right-click on the device and choose "eject" or "unmount" – depending on the O/S.

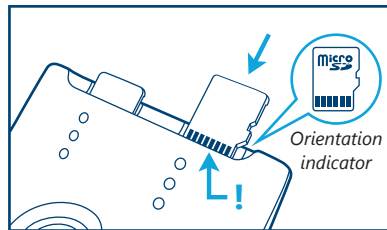If another application has accessed the

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card or any of the files are still "open" while it is removed (without ejecting), it can leave the card in a state where the computer *thinks* it is damaged.

Any time the card is connected afterwards, the computer will notify of this condition and suggest to "repair" it.

If a card is permanently locked by SAFE in this condition, it can never be "repaired" because the lock will prevent the repair operation.

LOADING THE MICROSD CARDS

Orientation indicator

With the brass contacts facing you and pointing downward, gently insert 1 or 2 microSD cards into the left/right card readers until the card(s) are *fully seated** in the slot(s).

If a card is not fully seated in the reader, SAFE cannot process it correctly.

**When using only one of the card readers, it does not matter which.*

The SAFE will determine the current lock status* of each card and display it (**green**, **yellow** or **red**).

When the microSD card is removed, the card reader LED will turn off.

The LED card status color corresponds to the function button color.

If a card is unreadable by the SAFE, all 3 card LEDs will light up together (green**, **yellow** and **red**) and processing of that card will be prevented.*

***If 2 cards are being processed simultaneously, the operation chosen will be applied to both cards.*

TEMPORARY LOCK
🔓

Click 🔓 to temporarily lock an *unlocked** card.

SAFE will beep once and the corresponding card's LED will turn **yellow**.

Only an unlocked card may be temporarily locked.

If temporary lock fails, the **yellow card LED will blink and an error beep will be sounded.*

***Temporary lock is reversible and may be unlocked later by the SAFE.*

UNLOCK
🔓

Click 🔓 to unlock a *temporarily** locked card.

SAFE will beep once and the corresponding card's LED will turn **green**.

Only a temporarily locked card may be unlocked.

If unlock fails, the **green card LED will blink and an error beep will be sounded.*

PERMANENT LOCK
🔒

Press and hold 🔒 for about 2 seconds to permanently lock an *unlocked** or *temporarily locked** card.

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SAFE will beep once and the corresponding card's LED will turn **red**.

Only an unlocked or temporarily locked card may be permanently locked.

If permanent lock fails, the **red card LED will blink and an error beep will be sounded.*

***Permanent lock is **irreversible** and cannot be unlocked later!*

BATTERY/POWER OPTIONS

The SAFE may be powered by the internal Lithium-Ion battery, 2 AA disposable batteries or 2 AA rechargeable* batteries.

Requires an external charger (not included)

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Both battery options, the internal battery and AA batteries, can be used simultaneously. Doing so significantly increases the overall operating time of the SAFE between charges because SAFE will draw power from both battery sources.

If you want the AA batteries to serve as a *backup*, please store a new second set in the included pouch, ready for use when the installed batteries are depleted.

The SAFE can also be used when powered from a USB connection to either a wall charger or computer (with or without batteries installed).

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CHARGING INSTRUCTIONS

With proper care, the SAFE's internal Lithium-Ion battery should perform well for several years. When shipped, the battery is only partially charged. Please fully charge the device before the first use following one of the charging methods below:

🔌 Connect any standard "USB" charger (regulated +5VDC, minimum 300mA) to the micro-USB port on the bottom of the SAFE for about 2 hours* or until the power LED stops blinking**.

🔌 Connect the SAFE to any standard computer USB port using a "USB to micro-USB" cable for about 2 hours* or until the power LED stops blinking**.

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Actual charge time will vary according to the current battery capacity.

**If the SAFE is ON while charging, the LED will not blink.*

BATTERY CARE

• Avoid completely depleting the battery as this will shorten its overall lifetime and takes much longer to fully charge afterwards.

• When not in use and whenever possible, keep the device in a cool place, which will also help to preserve battery life.

• Before stowing the SAFE for prolonged periods, make sure the battery is at least partially charged.

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• If stored for *extended* periods, it is recommended to recharge the SAFE at least every 6 months, in order to prevent the battery from losing its ability to recharge.

• Should the battery become defective and unable to accept a charge, it is still possible to operate the SAFE using a USB cable connected to an external power source or by using AA batteries.

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TESTING A SAMPLE CARD

Before purchasing large quantities of a specific microSD card for use with the SAFE, it is highly recommended to verify all functions on a sample card first.

Please perform the following tests on your trial card:

1. Format the card and then copy some files to it.

2. Insert the card into one of the card readers on the SAFE.

3. The card should read as unlocked (GREEN).

4. If all 3 LEDs are lit, try removing and then reseating the card. If the same response occurs, then SAFE cannot

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process this card! STOP here and try a different card type; otherwise, continue to the next step.

5. Click the temporary lock button 🔒. SAFE should beep twice and the card reader LED should show as temporarily locked (YELLOW).

6. Using a microSD card adaptor, connect the card to a computer.

7. You should be able to access the card but should **not** be able to add to, delete or modify the contents of the card or format it.*

8. Return the sample card to the SAFE using the other card reader.

9. The card reader LED should still show as temporarily locked (YELLOW).

10. Now click the unlock button 🔓.

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SAFE should beep twice and the card reader LED should show as unlocked (GREEN).

11. Using a microSD card adaptor, connect the card to a computer.

12. Now you should be able to add to, delete or modify the contents of the card and even format it if you wish.

13. Return the sample card to the SAFE, again alternating the card reader.

14. The card reader LED should still show as unlocked (GREEN)

15. Now press the permanent lock button 🔒 for about 2 seconds. SAFE should beep twice and the card reader LED should show as permanently locked (RED).

16. Using a microSD card adaptor,

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connect the card to a computer.

17. You should be able to access the card but should **not** be able to add to, delete or modify the contents of the card or format it.*

18. Return the sample card to the SAFE.

19. The card reader LED should still show as permanently locked (RED).

20. Click the unlock button 🔓. This operation should fail. SAFE should sound an error beep, blink GREEN and then show RED.

21. Now click the temporary lock button 🔒. This operation should also fail. SAFE should sound an error beep, blink YELLOW and then show RED.

If the results you got match those above in every instance, then cards of the same

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type should be fine to use with the SAFE. If not, please find a more appropriate microSD card type and test again.

Depending on the microSD card's internal Micro Controller Unit, cards protected by the SAFE may vary in the way they communicate with the different Operating Systems. You may encounter one or more of the following behaviors:

- Write operations that make changes to the card (such as Paste, Delete, etc.) are hidden by the Operating System.

- Write commands may return an explicit message, stating that the card is write protected or that the command failed.

- Write commands seem to be executed and changes are made to the card. However, once the card is reinserted to the computer or refreshed, these changes do not persist.

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PROBLEMS WITH THE SAFE?

If the SAFE will not turn on, please try the following:

1. Make sure the Lithium-Ion battery is charged according to "CHARGING INSTRUCTIONS".

2. If the Lithium-Ion battery is unable to accept a charge, install 2 new AA batteries and try again.

3. If neither battery option is working, try connecting the SAFE to a wall charger or computer using any charge or data micro-USB cable and try again.

While connected to a USB source, if the SAFE is turned OFF, the power LED will blink as if SAFE is charging, even if the

Lithium-Ion battery is non-functional or removed.

4. If none of the above succeeded, please contact your sales representative for support.

WARNINGS

⚠

• The SAFE's locking mechanism cannot prevent the contents of a microSD card from being copied.

• MegaVoice is not responsible for damage to any microSD card processed by the SAFE and/or the contents thereof.

• MegaVoice strongly recommends testing a sample microSD card before purchasing any quantity of a specific

card type. *See TESTING A SAMPLE CARD.*

• DO NOT expose device or batteries to fire or extreme heat.

• Stop using the SAFE if you observe abnormal heat, odor, discoloration, leakage or deformation, especially near the battery compartment. Refer to a qualified technician for service.

• If the Lithium-Ion battery is removed from the device, handle it with care. Keep the exposed battery out of reach of children. DO NOT burn, puncture, disassemble, or modify battery.

• If the battery leaks, dispose of it carefully in accordance with all local laws. Wash any skin or clothing exposed to battery liquid and avoid swallowing or contact with eyes. In

the case of swallowing or contact with eyes, seek medical care immediately.
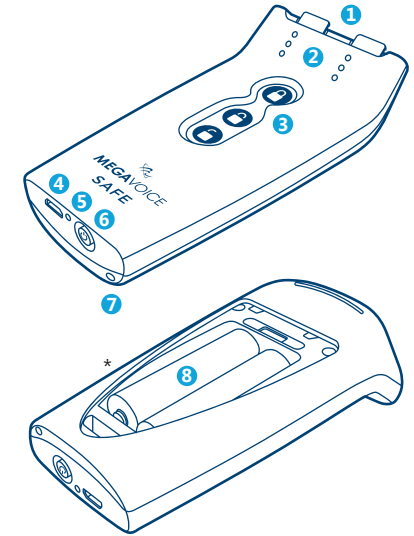
TRAVEL POUCH

Usually the SAFE is sold with a convenient travel pouch that is able to hold all of the following items.

1. SAFE
2. US/UL charger (1 USB port)
3. USB charging only cable (1 meter)
4. MicroSD card holder (space for 6 cards)
5. User manual
6. Neck lanyard
7. AA Batteries (not included)

SAFE FEATURES

❶ Card readers

❷ Card LEDs

❸ Function buttons

❹ Micro-USB connector

❺ Power LED

❻ Power button

❼ Lanyard hole

❽ Battery door/battery compartment

Battery door removed

RELATED PRODUCTS

Envoy 2 Elite - audio files* on your microSD card are playable after inserted into the Envoy 2 Elite.

Envoy 2 Ember - audio files* on your microSD card are playable after inserted into the Envoy 2 Ember.

Sender-X - microSD cards can be loaded with content through the Sender-X and then locked with the SAFE. This prevents the content from being overwritten by the end user.

For information on allowed/playable audio file types, please review the Envoy 2 E Series User Guide at megavoice.com

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by MegaVoice could void your authority to operate this device.