KNABE LABS

SLAP Box

Scary Loud Audio Player Box
User's Manual

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Features

Lightweight and Loud!

The Scary Loud Audio Player is a lightweight, customizable audio system. The SLAP Box is designed to improve guests' experiences by providing crystal clear audio that is louder than anything a human can consistently generate. Great for roamers, giant costumes, or anywhere a traditional audio system is hard to implement. Our system uses high-density batteries that can be swapped in less than 5 seconds!

EZ Power

- Ultra-fast 5-second battery swap
- Lightweight
- Quick Charging
- 2AH & 4AH Battery options

Clear Audio

- Up to100 dB loudness
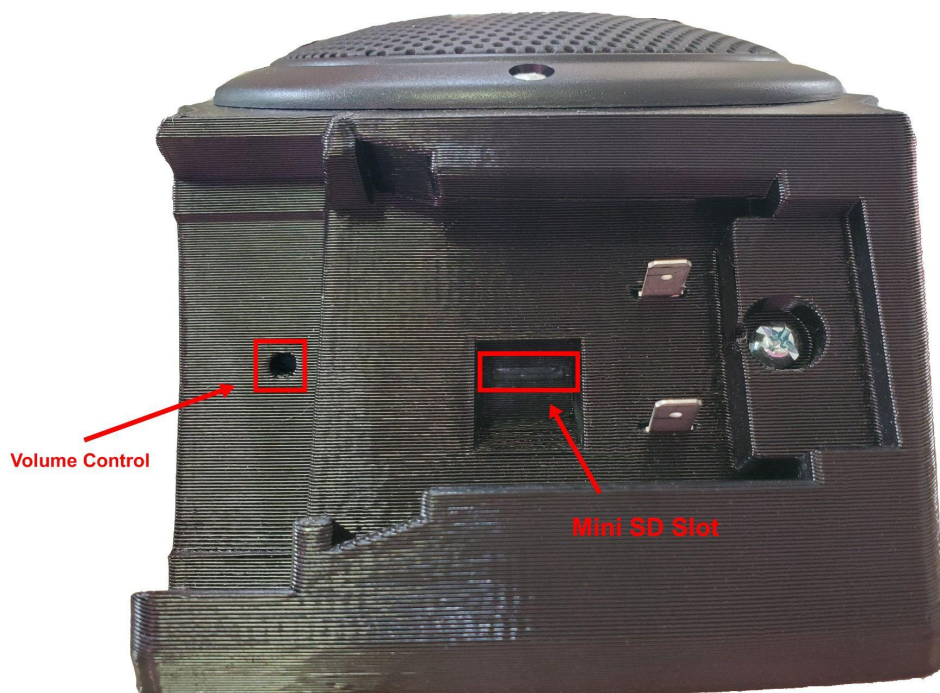- Supports 44.1khz 16bit audio
- Crystal Clear

Control

- Six buttons
- Interruptible & looping features
- Loop single file

Mounting Options

The SLAP Box mounts easily onto a GoPro chest mount which can be easily worn under costumes. Other mounting options include other GoPro mounting accessories such as the belt mount, a tripod, and poles.

Layout

Volume Control

Mini SD Slot

Volume

To adjust the overall volume, there is a screw inside a small hole on the SLAP box, next to the mini-SD slot. Use a thin screwdriver and turn the screw until the desired volume is achieved. Note: if the desired volume is not achieved via hardware. The source audio may need to be edited.

Battery

The battery needed to power the SLAP Box is much smaller and more compact than others. The SLAP Box uses a Kobalt Lithium-Ion 24v MAX battery. It will only work with a Kobalt brand Lithium-Ion 24v MAX Battery.

SD Card

The SLAP Box uses a mini-SD card that gets inserted into the mini-SD slot behind the battery. The mini-SD card is where all of the audio should be uploaded along with the .cfg file. The audio files must be .wav files.

★ **It is important to format the mini SD card every time audio is uploaded or changed. Failure to do this will result in the audio not getting updated to changes or uploads on the SD card.**

The audio must be saved as a .wav file. If a specific sequence of the audio is needed, it is critical that the audio files are named by numbers starting with 001.wav, this being the first audio that should be played on the first button and so on, up to the sixth audio that should be played on the sixth button being named 006.wav. Make sure the audio numbers are in order on the mini-SD card. This will ensure that the numbered audios are associated with the same number button on the controller. ★

6 Button Controller

The controller is connected to the SLAP Box via an ethernet cable. There are 6 buttons located on the controller. Below is the order of the buttons, with the button furthest away from the ethernet cable being number 1, and the button closest to the cable being number 6.

Button 1: 001.wav

Button 2: 002.wav

Button 3: 003.wav

Button 4: 004.wav

Button 5: 005.wav

Button 6: 006.wav

The buttons play the audio in order of the sequence that is loaded onto the SD card. If each audio file is named "001.wav" up to "006.wav", then button 1 will play the audio named "001.wav" and then button 6 will play the audio named "006.wav".

Audio

Work Mode

Parameter	Corresponding Work Mode
0	Pulse Interruptible
6	Single in Loop

Pulse Interruptible: In this mode, a single button press will start the audio. It is possible to interrupt the playback by pressing the same button used to activate. Once playback is interrupted, it will automatically restart the audio file immediately. It is also possible to interrupt the playback by pressing any of the other pulse interruptible buttons. Once playback is interrupted, it will automatically start the sound that is associated with the button pressed.

Single in Loop: In this mode, a double button press will start the audio. The first press of the button will stop any audio that is playing, so in order to play the audio associated with this button, the button will need to be pressed twice. When the button is pressed it is able to play the associated audio file in a loop. During playback, if the same button is pressed again, the playback will stop.

Converting a .txt to a .cfg file

Each of these two work modes can be set for any of the six-button inputs through a configuration file named "read.cfg", which comes from a text file(.txt) originally. In the configuration file, each digit that represents the work mode is associated with one button input. There are a total of six digits that associate six-button inputs respectively.

Please refer to the steps below on how to build a configuration file successfully:

1. Build a new text file on your computer and enter the corresponding number to which work mode is needed, such as "000066" which represents input 1, input 2, input 3, and input 4 will be set with the work mode "Pulse Interruptible", input 5, and input 6 will be set with the mode "Single in Loop" Refer to the image below
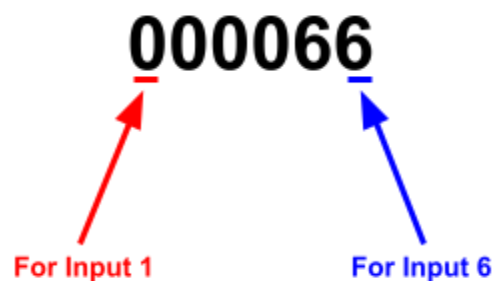
2. Save it as the "All files" option and change the file name from a ".txt." file, to "read.cfg"
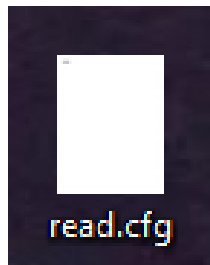
Loading Files on the Mini-SD

<u>To remove the mini-SD card:</u> Push gently on the mini-SD and it should click and pop out, then pull out the mini-SD card.

<u>To insert the mini-SD card:</u> Align the mini-SD card to the slot, then push the card in until it clicks.

To load files on the mini-SD card: The file that is loaded first in the mini-SD card will be associated with input 1. The last file to be loaded in the mini-SD card will be associated with input 6.

★ The audio must be saved as a .wav file. If a specific sequence of the audio is needed, it is critical that the audio files are named by numbers starting with 001.wav, this being the first audio that should be played on the first button and so on, up to the 6th audio that should be played on the sixth button being named 006.wav. Make sure the audio numbers are copied in order to the mini-SD card. This will ensure that the numbered audios are associated with the same number button on the controller. ★

In order to guarantee a correct 'one-on-one' order, please refer to the following steps:

1. Build a new folder on the computer and put the six audio files into this new folder

2. Rename the audio files starting with "001.wav" being the first file, to "006.wav" being the last file, and make sure they are listed from "001.wav" to "006.wav" in order

3. Insert the mini-SD card into the computer

4. **★ Format the card every time audio is uploaded or changed. Failure to do this will result in the audio not getting updated to changes or uploads on the SD card ★**

5. On the computer, select one of the six audio files at a time and upload them one by one to the mini-SD card in numerical order. This should copy the six audio files on the mini-SD card in the correct sequence

6. Put the prepared configuration file onto the SD card

7. Refer to the image below

☐ Name ^	Type
⊙ 001	WAV File
⊙ 002	WAV File
⊙ 003	WAV File
⊙ 004	WAV File
⊙ 005	WAV File
⊙ 006	WAV File
🗋 read.cfg	CFG File

8. Eject the SD card from the computer and insert it into the SLAP Box mini-SD slot
9. Attach the battery to the SLAP Box
10. Plug in the ethernet cord of the six-button controller into the SLAP Box
11. Press each button to run the associated audio

FAQS

Can I use another brand of drill battery?

No, the only compatible battery is Kobalt 24v MAX.

What type of audio can be played?

The highest quality audio that can be played is 44.1khz 16 bit audio.
It does not matter what format the audio file is in, stereo and mono files will both work. The audio files must be saved as a .wav file, .mp3 files cannot be played. All audio files must be .wav files.

How can I stop the audio?

If using a .cfg file that has NO looping audio and you wish to stop the audio, upload a blank audio file and assigned it to one of the buttons to simulate a stop.

How long does the battery last?

The battery will last for 4 hours of continuous use and 20h of non-continuous use. The charging time for the Kobalt 24v MAX battery is an hour.

Does it only work with a GoPro chest mount?

The SLAP Box attaches to a GoPro chest mount and other GoPro mounting accessories such as the belt mount, a tripod, and poles.

Is this dangerous for the actor to wear?

It is recommended that the actor wear earplugs to prevent hearing loss due to prolonged use.