



# KINGSTON GRAND

EST. THEATRE 1879

## **User Manual** Performing Arts Mobile Tech Kit Pilot Program

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# About the Performing Arts Mobile Tech Kit Pilot Program

In response to COVID-19 and its continuing impact on the performing arts, the Kingston Grand Theatre has developed the Performing Arts Mobile Tech Kit Pilot Program. This is intended to help local Kingston artists to access equipment and develop the skills needed to document their work and to stream and/or publish their work online.

The Performing Arts Mobile Tech Kit has been created to allow users to record and/or livestream performances through any smartphone with the support of great lighting and sound quality. The iPad creative software—Garage Band and iMovie—can be used to produce high quality music or videos to be posted online.

# User Manual

## Developed by Dave Barton



Dave Barton taught Music at the high school level and was a Special Education teacher and Guidance Counselor for the Limestone District School Board. He currently teaches for the St. Lawrence College Music and Digital Media program. He is a studio musician, jazz guitarist, percussionist, private teacher, arranger and composer, working in jazz, pop and classical music. He has performed with many of Canada's great jazz players in concerts and on recordings. Dave's large-form compositions have been performed by the Toronto Jazz Orchestra, the Greg Runions Big Band, Brasswerks, and the Queen's University Jazz Ensemble. For more information visit [DaveBarton.ca](http://DaveBarton.ca)

**Note:** Dave has created a short video about using the Performing Arts Mobile Tech Kit that is stored in the iPad's Photo library. There is also a sample recording saved using Garage Band in which Dave is playing guitar, bass, drums and both tracks of vocal. He is using the M-Audio keyboard for the piano parts.



## Equipment included:

- Ring Light with phone holder, tripod and USB cable
- iPad 12.9 with Slim Folio Pro case with keyboard. Includes:
  - GarageBand
  - iMovie
- Audio-Technica Bluetooth headphones
- USB mouse (wired)
- M-Audio Mini 32 USB piano keyboard
- AKG Harman Lyra USB microphone
- StarTech USB hub
- Adapters for iPhone, USB-3 (Android, new Ipad) and USB-mini (older Android phones)

**Note:** Complete equipment inventory and checklist provided separately as part of the [Loan Agreement Form.](#)

# What is Streaming?

Streaming is an alternative to file downloading, a process in which the end-user obtains the entire file for the content before watching or listening to it. Through streaming, an end-user can use their media player to start playing digital video or digital audio content before the entire file has been transmitted. The term "streaming media" can apply to media other than video and audio, such as live closed captioning, ticker tape, and real-time text, which are all considered "streaming text".

Streaming is most prevalent in video on demand and streaming television services, such as Netflix, Disney+, HBO Max, Hulu, Paramount+, Peacock, Amazon Prime Video, YouTube. Apple Music, YouTube Music, and Spotify stream music and video game live streaming services are provided by Twitch.

## How to Videos

**Best Live Streaming Set Up for Smartphone**  
[youtu.be/UTMRV3Njkbk](https://youtu.be/UTMRV3Njkbk)

**How to set up a basic live stream for musicians 2020**  
[youtu.be/2b6\\_iDBU2wg](https://youtu.be/2b6_iDBU2wg)

**Best Live Streaming Setup for Smartphones (iPhone or Android)**  
[youtu.be/jUgesX4g-Ho](https://youtu.be/jUgesX4g-Ho)

**Live Streaming for Musicians – Get better Audio & Video at Home**  
[youtu.be/VQMouXOIXpo](https://youtu.be/VQMouXOIXpo)



# Suggested Set-up and Configurations

## 1 Live stream through smartphone (or iPad included)

The AKG microphone will provide excellent sound quality through a smartphone for live streaming or video recordings.

Connect the AKG mic to the USB hub with the supplied cable and then connect the hub to the smartphone with the appropriate adapter (labelled). This will power the mic from the hub not from the smartphone battery. Make sure to plug in the power supply to the hub.

ALTERNATE: Connect to the iPad included as part of the Mobile Tech Kit and use it to stream performance. Best results are from the back-facing camera and will require a stand or assistance.

**Note:** The AKG mic is very powerful. Start with the volume control on the back fully counterclockwise (turned down).



# 1 Live stream through smartphone (or iPad included) CONT.

If using the Bluetooth headphones provided, they must be paired with the smartphone or iPad. Wired headphones will connect to the device through the microphone. Both USB and headphone sockets are on the bottom of the microphone.

Place the smartphone in the phone holder in the ring light. Plug the ringlight into the USB Hub for power. Set the ringlight for the desired lighting on the control unit. (Photos show ring light turned off for clarity.)

Set up your streaming through the website of your choice. (i.e. Facebook, YouTube Live, etc.)

Do a test video recording to check the sound quality and function. The sound recording level is adjustable on the back of the microphone. If the sound is distorted, turn the level down (counterclockwise).

The knob on the front of the microphone adjusts the headphone level for listening back to recordings if you are using plug-in headphones. Monitoring the microphone live is a software setting and may not function or be slightly delayed. Playback listening or recording works fine.



Two possible ring light set-ups







Headphones

USB out to hub

## 2 Music production on iPad using USB Mic and piano keyboard

The keyboard and mic provided can be used together with GarageBand found on the iPad for producing music.

The microphone and the M-Audio Mini 32 keyboard are plugged into the USB hub. Make sure the power supply for the hub is plugged in to an electrical outlet.

Monitoring is possible through the supplied Bluetooth headphones or wired headphones can be plugged into the bottom of the microphone.

Plug the hub into the iPad with the adapter provided.

Open GarageBand software. It will automatically recognize both the mic for recording vocals or acoustic instruments and the keyboard for piano sounds. "Help" for GarageBand is included within the software, and online.

**Note:** The AKG mic is very powerful. Start with the volume control on the back fully counterclockwise (turned down).

# A Note About Internet Safety

When using the iPad for recording music or videos, or for streaming, make sure you sign out of any accounts you've logged into during your use.

Use "private browsing" to log on to websites. This will stop the browser on the iPad from remembering any logins or passwords.

Always decline any offers to remember passwords.

When your project is finished, and the results have been transferred to your desired destination successfully, be sure to delete any projects from the iPad before returning it.

If you log in to a wifi network while working, when finished go into "Settings" and ask the iPad to "forget this network".



# Cleaning Protocols

In keeping with Provincial and public health guidelines, the Performing Arts Mobile Tech Kit will be thoroughly cleaned by Kingston Grand Theatre staff each time it is returned. Borrowers are also requested to be mindful of the proper care and maintenance of the equipment provided and will be expected to adhere to the Terms and Conditions as outlined in the Loan Agreement Form. While on loan, borrowers may clean any of the equipment with Lysol Wipes or other brand of disinfectant wipes. The screen of the iPad should only be cleaned with a soft damp cloth or proper screen cleaning product.





# Additional Terms and Conditions

The Performing Arts Mobile Tech Kit is available by reservation on a first come, first served basis.

The equipment is not to be treated as personal property or used for purposes other than outlined in this User Manual. Under no circumstances should the equipment be loaned to any other person.

Equipment should only be cleaned as outlined in the information provided. In the event equipment is lost, stolen or damaged, the borrower assumes full financial responsibility to cover the insurance deductible or replacement of the equipment.

The iPad will be reset when returned to the Kingston Grand Theatre so it is the borrower's responsibility to back-up and retain any content created.

## Questions and Support

Production Supervisor, Kingston Grand Theatre  
[production@cityofkingston.ca](mailto:production@cityofkingston.ca)

(613) 546-4291 ext. 1147, 1133

FOSTERING  
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VITALITY IN  
KINGSTON





The City of Kingston  
acknowledges that we are  
on the traditional homeland  
of the Anishinaabe,  
Haudenosaunee and the  
Huron-Wendat, and thanks  
these nations for their care  
and stewardship over this  
shared land.

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