Project Proposal

Prepared for: Users and Developers of iOS Audio Apps, Musicians/Developers/Preset Creators

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EXECUTIVE SUMMARY

Objective

Develop an AU hosting app which integrates IAA hosting apps, Audiobus, communication protocols: MIDI, OSC, Bluetooth, Web MIDI, WiFi LAN; a tag based modular preset system linked to a social media site for the creators of Black Hole Nova app presets and their users.

Goals

Use a modular approach to leverage the potential of:

Developers of iOS apps
>
> Enhance the functionality of their apps by being able to use them in setups with minimal development and maintenance resources from them.

Creators of iOS app presets
>
> A modular environment
>> e.g. Preset Groups where MIDI presets can be used with AU app presets
>
> Communication with Black Hole Nova support and preset users
>
> Tools to monitor iOS resource usage
>
> Automatically uses only those resources needed for a preset

Musicians and Sound Artists
>
> Options to dive in as deeply as they want into the Black Hole Nova app or to use tag searchable presets with descriptions and instructions accessible from with the app. It can be as simple as loading an Audiobus or AUM preset which will automatically load the appropriate Black Hole Nova preset which loads the AU apps and control settings.
>> Support a broad range of usage: live play, complex routings, DAW based work flows, or specific flows such as enhancing vocal processing.

iOS hardware IO (Input/Output)
>
> Options to utilize iOS hardware inputs/outputs as control signals (e.g. data from iOS sensors)
>
> Connect with wired external hardware
>
> Connect with Remote Systems via a robust and comprehensive set of tools

AU apps

IAA apps which can sync to host apps

IAA hosting apps such as AUM, ModStep, Moebius Lab

iOS DAWs

Audiobus and apps with Audiobus support

Solution

Focus on using the strengths of AU apps, audio IO, and control signal tools in combination with being hosted by other apps plus minimize the learning curve for the app via a well supported and searchable in app preset system. To be successful, the project will draw upon existing stake holders to shape app development.

Project Outline

iOS, iOS devices, iOS audio app developers, and audio app user communities have reached the critical mass needed to make Black Hole Nova a viable project.

- Consult with key iOS developers to establish the challenges of developing multi app work flows.
- Consult with key iOS user communities to understand the challenges in using multi app work flows.
- Lobby Apple iOS audio development team with a consensus based approach by developers and users.
- Create a plan for how the app will be supported and upgraded.
- Integrate user community and developer findings to develop initial app prototypes.
- Receive feedback from select developers and users to create the beta app.
- Recruit credible beta testers and refine the beta app.
- Open beta testing and final refinement.
- Develop marketing plan
- Establish developer, preset creator, and user support and feedback systems.
- Submit and release the app on the App Store.