

Juke Application Note – Using a Surround-Sound Amp as an Input

Revision 1.2

Summary

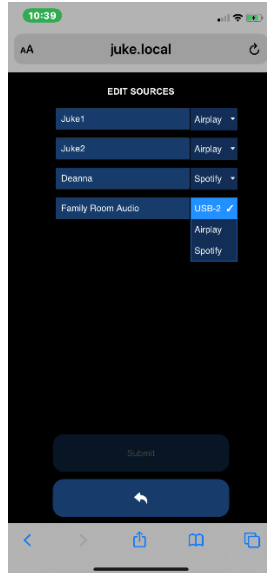
Juke works well with many surround-sound amplifiers (they just need to be able to provide a line-out signal with controllable volume). For example, you may have a room with a surround-sound receiver (e.g. Denon or Yamaha) that is powering a number of speakers (e.g. Dolby 5.1, 7.2, etc.). If you are watching a game or having a party, you may want to play the same audio to any combination of other rooms throughout the house. Juke can do that. Here's how!

Instructions

1. Buy an inexpensive USB analog to digital interface on Amazon or elsewhere: DIGITNOW USB Audio Capture Card. The Amazon ASIN number is B079CBGDST, and its UNSPSC Code is 26120000. Here is what that part looks like:



2. Connect a male-male RCA cable to the corresponding inputs on the Digitnow (i.e. the red and white female connectors shown above) and plug the USB end into one of Juke's two USB inputs.
3. Connect the other ends of the male-male RCA cable to the line-outputs on the surround-sound amp. Note: the surround-sound amp must have a line-output available and it must allow you to control its volume (e.g. Denon products like the AVR-X3000 or AVR-X1600H). For the Denon's, if you set Zone 2 to "source", it plays whatever is playing in Zone 1 (the surround-sound room) to the Juke. The Denon app or remote allow you to control the volume.
4. Set one of Juke's inputs to use this USB device:



5. Use Juke's interface to play the USB audio to any combination of other zones.