

NVIDIA Jetson AGX Orin 64GB Setup

Setup VNC server on the Jetson developer kit

I am following the howto: <https://developer.nvidia.com/embedded/learn/tutorials/vnc-setup>

ReSpeaker USB Microphone Array

Flashing new firmware according to <https://wiki.seeedstudio.com/ReSpeaker-USB-Mic-Array/>

I am flashing the **“1 channel firmware”**:

```
sudo apt-get update
sudo pip install pyusb click

git clone https://github.com/respeaker/usb_4_mic_array.git
cd usb_4_mic_array

# if you want to use 1 channel, then the command should be like:
sudo python dfu.py --download 1_channel_firmware.bin

# Alternative, did not work for me (mic not showing up in GNOME):
# sudo python dfu.py --download 6_channels_firmware.bin # The 6 channels
version
```

Then disconnect ReSpeaker from USB and reconnect. The microphone occurs in the GNOME audio settings menu.

More ReSpeaker Info from SeeedStudio Wiki

- https://wiki.seeedstudio.com/ReSpeaker_Product_Guide/
- https://wiki.seeedstudio.com/ReSpeaker_Mic_Array_v2.0/

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Last update: 2024/05/19 17:02

