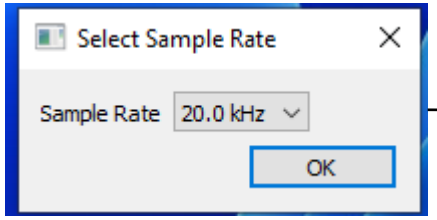
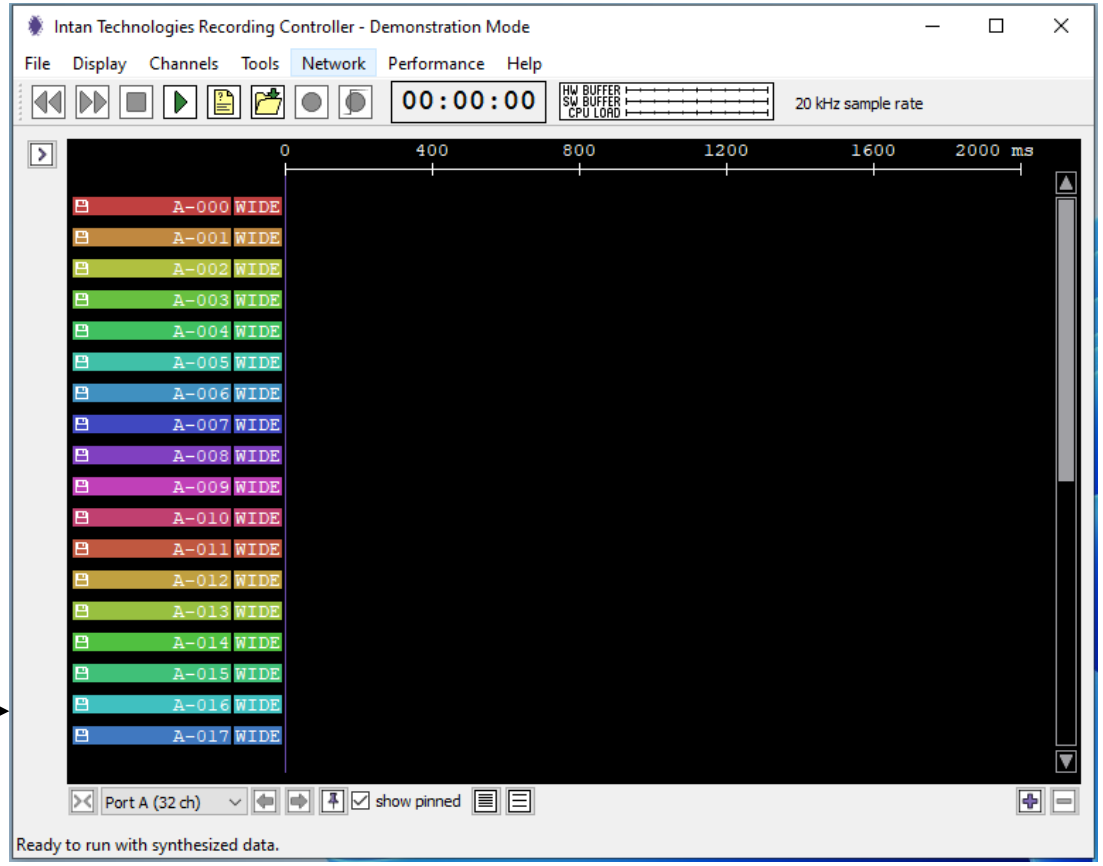
User Manual to run Plotter.py

STEP 1

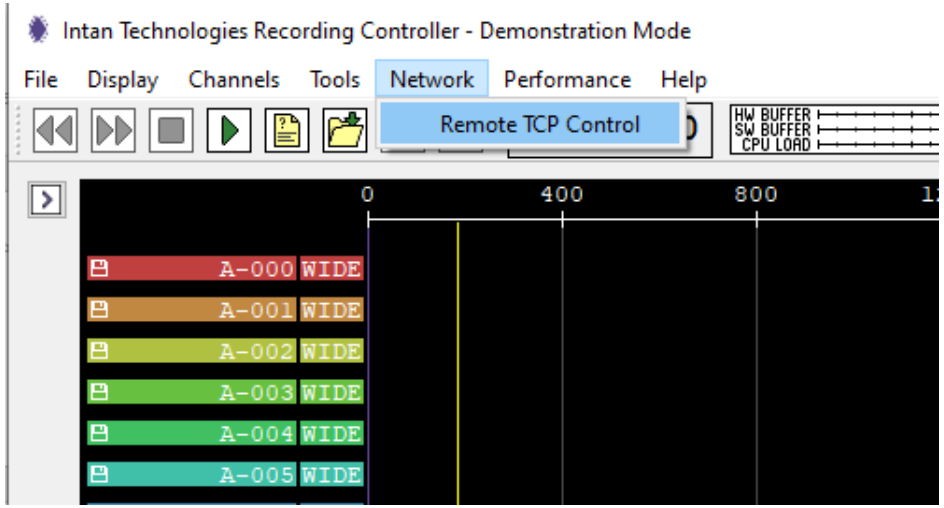

No Intan Controllers Detected
No Intan controllers have been detected. Ensure devices are powered on and connected to this machine.
You may also run this software in demonstration mode or play back a saved data file.
RHD USB Interface Board Demo
RHD Recording Controller Demo
CLICK
RHS Stim/Record Controller Demo
Data File Playback
Advanced

STEP 2

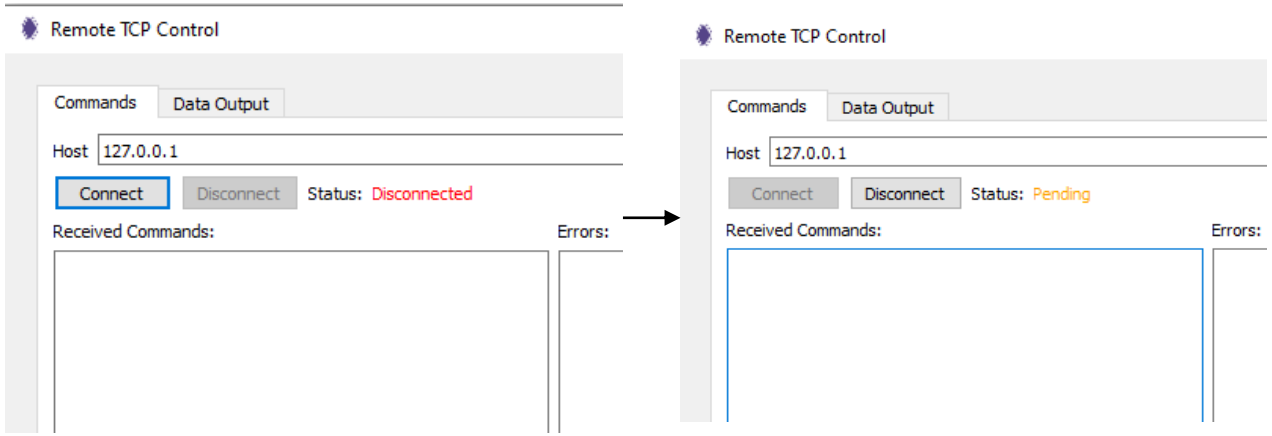

Select Sample Rate
Sample Rate
20.0 kHz
OK


Intan Technologies Recording Controller - Demonstration Mode
File
Display
Channels
Tools
Network
Performance
Help
00:00:00
HW BUFFER
SW BUFFER
CPU LOAD
20 kHz sample rate
0
400
800
1200
1600
2000 ms
A-000 WIDE
A-001 WIDE
A-002 WIDE
A-003 WIDE
A-004 WIDE
A-005 WIDE
A-006 WIDE
A-007 WIDE
A-008 WIDE
A-009 WIDE
A-010 WIDE
A-011 WIDE
A-012 WIDE
A-013 WIDE
A-014 WIDE
A-015 WIDE
A-016 WIDE
A-017 WIDE
Port A (32 ch)
show pinned
Ready to run with synthesized data.

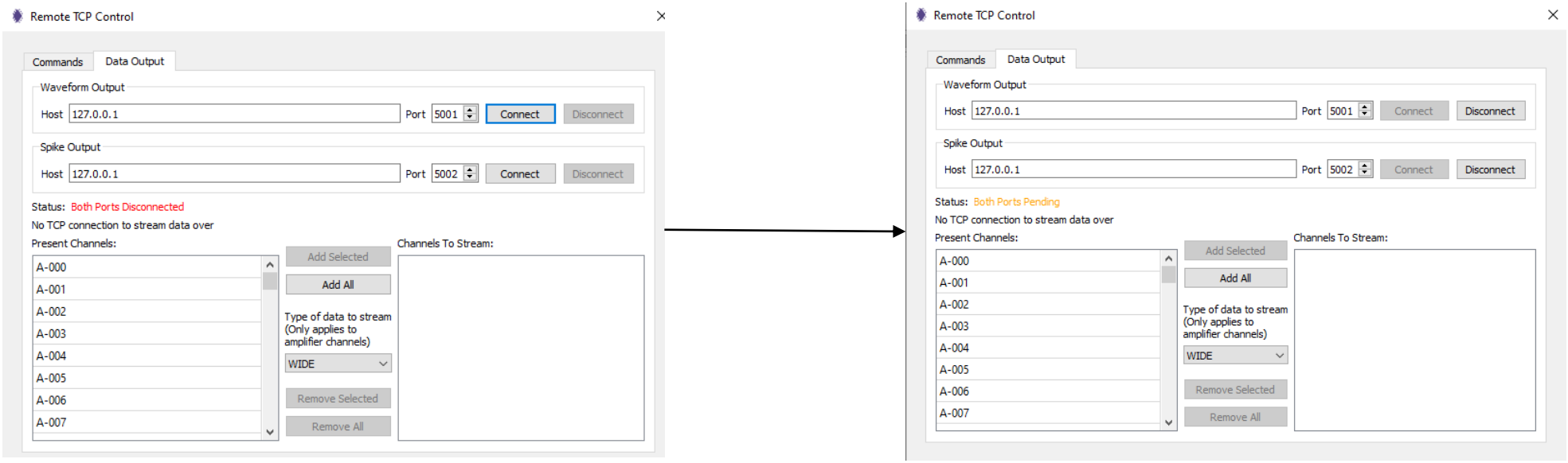
STEP 3



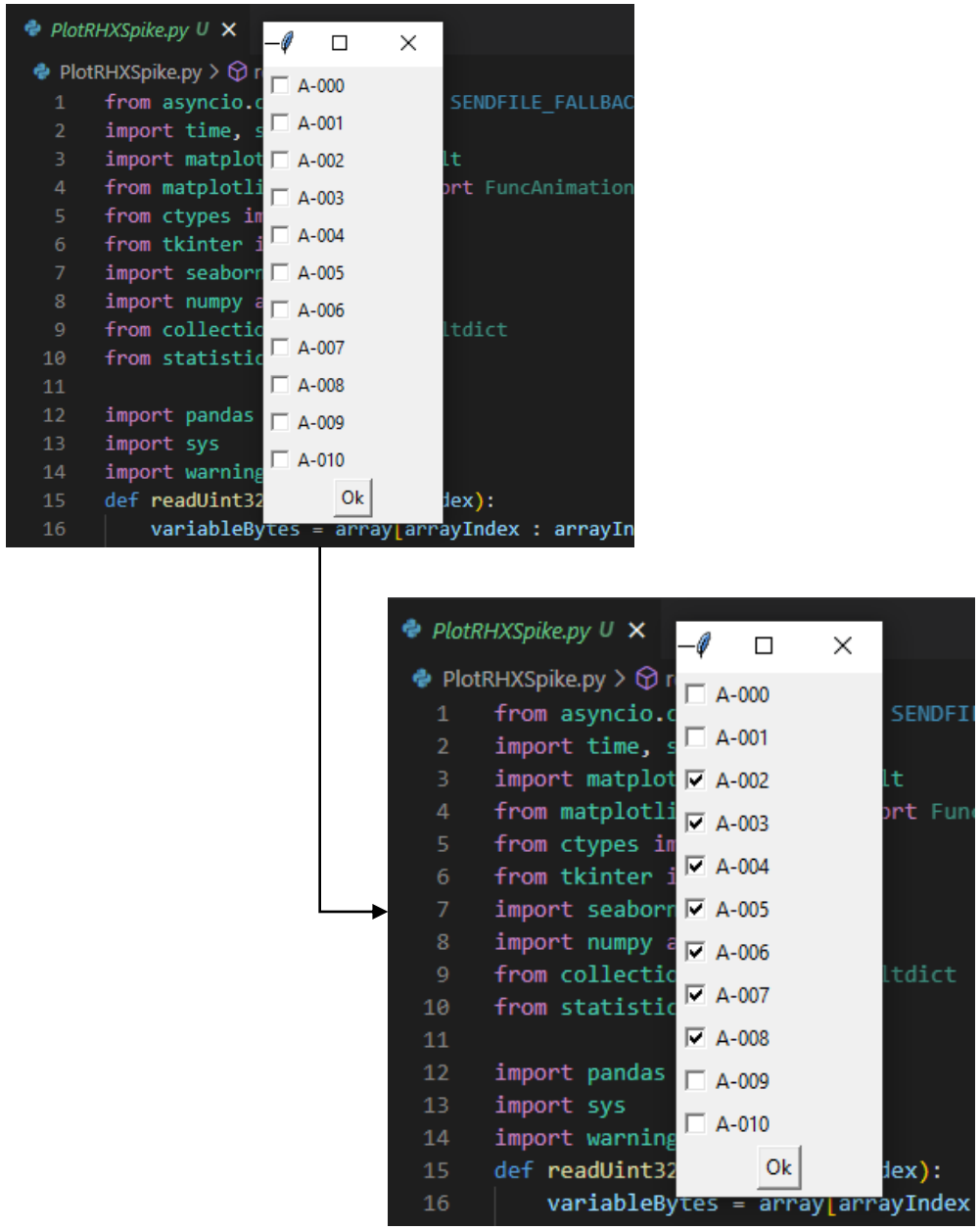
STEP 4



STEP 5



STEP 6



STEP 7

Once ‘Ok’ clicked , you will see

- two empty matplotlib plots(figure 1 & figure 2) open
- Plotter.py waiting for response from Texture_task_wTCPIP.m

```
H:\realtime-analysis>C:/Users/sammasi/AppData/Local/miniconda3/envs/RTA/python.exe h:/realtime-analysis/PlotRHXSpike.py
selected channels  ['A-001', 'A-002', 'A-003', 'A-004', 'A-005', 'A-007', 'A-007', 'A-008', 'A-007']
opening plot......
Connecting to TCP command server...
Connecting to TCP SPIKE output server...
```

STEP 8

Once the connection is established , plotter.py will be ready to receive stim_cond & SPK_outut ON OFF signal

```
H:\realtime-analysis>C:/Users/sammasi/AppData/Local/miniconda3/envs/RTA/python.exe h:/realtime-analys
selected channels  ['A-002', 'A-003', 'A-004', 'A-005', 'A-006']
opening plot......
Connecting to TCP command server...
Connecting to TCP SPIKE output server...
connected from  ('172.27.85.105', 39080)  to receive stim conditions
connected to receive t time to collect SPK
```

When the texture_taskwTCPIP.m is terminated, the plotter.py terminal would look something like this

```
stop SPK output
stim condition recieved : 2
start SPK output
.
.
.
.
.
.
.
.
stop SPK output
stim condition recieved :
Enter 'q' to quit:
```

And to quit plotter.py, enter ‘q’

```
.
.
stop SPK output
stim condition recieved :
Enter 'q' to quit: q

H:\realtime-analysis>
```

The spike data from the trials will be stored in “CH_stim_SPK_data.csv”

To run the code again ,follow steps 3-7