



Power cable is connected to -5,0,+5.

Above circuit
**
Black painted
into graound

Power adapter

Goes to trigger out of US machine
Black is GND (metal) (line trigger)

Frame trigger

Short circuit

All on

Goes to above circuit *

Nothing!

Short circuit

Nothing!

USB cables to
US machine,
first and
second row
with black into
GND

US machine settings:

In clinical software:

- Sync: trigger out A: 1, trigger out B: 2
- If the bottom is reflected:
 - o Sync: first row, variables.. increase it to 512 to be able to increase with larger steps the next setting
 - o Sync: PRF (last row) increase to maximum
- B-Gemo: decrease line density to 128
- Image mode: general
- Put focus on active echo point

In serial port:

- Check in computer properties COM port number of USBs
- Probably COM 7 is real time COM8 is to store
- Open client terminal, cancel first window, go to setup serial port, choose COM 7 and maximum baud rate.

From the four values: first: total number of lines, second: number of counts, third and fourth: delay

Both the frame trigger and the line trigger are needed, and the frame trigger has to happen before the line trigger. For the ultrasound machine which has only one output port, a function generator is needed to serve as the frame trigger