

Referring to the picture, set the Hydrobox on a bench and hang the transducer over the side such that the face of the transducer is exactly parallel to the floor. You can then turn on the Hydrobox and "ping" off the floor in air. I would set the Gain manually to about 40dB. You will be able to get a digital depth by doing this and also have a valid depth output from the DBT data string. The depth value will be higher than the actual distance between the transducer and the floor. This is due to the differences in sound speed between air and water and calculates to about three times the distance such that if the transducer is one meter off the floor you will read about three meters.

