

FAQ

- **Does the bl200 / bl700 echosounder use bluetooth?**

Yes it can. Because of latency issues with customers in the past using bluetooth echosounders we suggest the user keep the data collector on the BathyCat or Boat. As long as your not trying to Bluetooth data back to shore , no latency issues will arise. As a hydro surveyor we would still go with the hard wired connection when possible.

- **Where do I mount the echosounder on my boat?**

On the last couple pages of the bl200 user manual we cover in detail mounting and surveying tips from mounting location, to boat speed, to vegetation on the bottom.

- **How do I bring the bl200 /bl700 echosounder data into my GPS ?**

You never bring the sonar data into the GPS receiver, with this unit or any sonar unit. The sonar data will meet the GPS data in the data collector or PC and get time tagged together by the software you are using.

- **I'm up in Canada do I need to adjust for the cold water temperature.**

Yes it is important to use the bathylogger setup software to adjust the sound velocity speed for water temperature , fresh water vs seawater. In the Manual under Bar Checking this is covered.

- **Do I need a motion Sensor?**

No you dont need a motion sensor unless you are offshore in swells. small movements or light chop may move the sonar cone around a little but it always takes the first return which is normally the point directly under the sonar. If it is unusually rough stop and try when the wind calms down.

- **How fast can I go in my boat during the survey?**

Typical Survey speed is 3-5mph , to fast and you may get inaccurate depths. This and Survey line spacing is also covered in the User Manual.

- **Will this sonar get hard bottom?**

This is a popular question. All 200Khz and higher will get top layer on the bottom. If its a soft bottom it will get the top of that bottom (example muddy bottom) If its floating then its not the bottom. If I had to do a Survey for top layer and Hard bottom I would hit it with a 200Khz and then take shots with a 1" thin rod and push it until it hit hard bottom.

- **Should I use a Dual Frequency Echosounder for Hard Bottom?**

There is a reason I added this question after the previous. In my vast experience in the field and tech support calls I would not use a dual Frequency Echosounder to find hard bottom for multiple reasons. The powerful Lower frequencies dont work well in shallow waters below 20ft deep. Is it getting hard Bottom or is it just penetrating to a point?, This you will never know. Dual Frequency Echosounders were designed to give the user a all in one unit for shallow <100m and deeper 100m-200+m depths. Dredges do use them

to determine harder and softer bottoms. they do this by seeing if there is a spread from the low and high frequencies. This is just used as a rough tool to help in quoting jobs.

- **How shallow can I go with the bl200 / bl700?**

This is also covered in the user manual. All 200Khz transducer experience double or triple returns when you get to shallow. The bl200 can operate in shallow of about 1.3 ft but its a good rule to keep at least 2ft below the transducer face when surveying. Rod shots along the shore line. The bl700 can go as low as 8 inches.

- **What is the baud rate of this echosounder?**

Bl200 4800

Bl230 4800

Bl700 9600

- **Is the bl700 at 700 kHz powerful enough for survey.**

Yes with the power boosting technology today our bl700 will read down to 100m. We tested and rate it at 50m and prefer it in the shallow water over the 200kHz.