

# Quickstart Guide

## *P-Series Sonar*

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### Install ProViewer Software

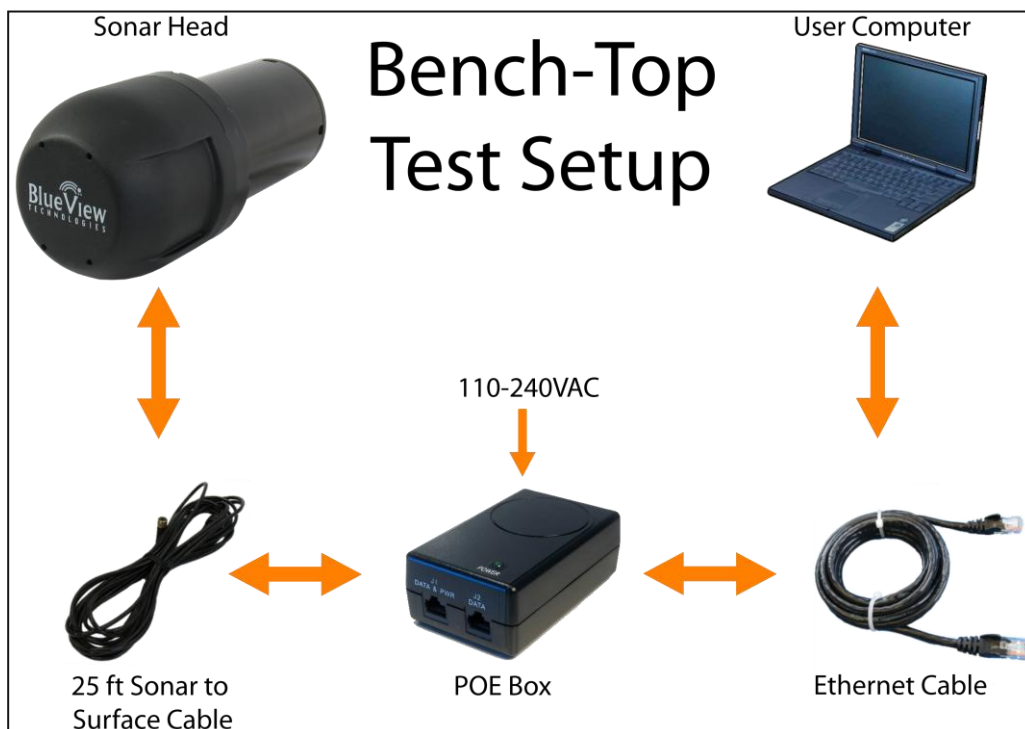
- Insert the CD.
- Run Setup.
- If prompted, click "Do not block."

### Configure your PC network interface card

- Set your PC Network IP address to 192.168.1.3.
- Set the Net Mask to 255.255.255.0.

### Bench Test the Sonar

Connect the sonar as shown below, making sure the sonar cable is connected to the port labeled SONAR and the standard Ethernet cable to the port labeled PC on the POE Box.

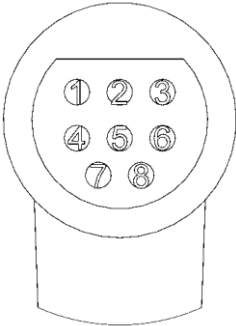


- Apply AC power to the POE Box.
- Start the ProViewer software.
- Once the sonar is fully powered up (approximately 45 seconds) click the connect button:

## Cable the Sonar

Below are pin outs for two standard connector options on the P-Series sonar. Refer to Appendix C of your sonar's User Handbook for additional cabling information.

### BURTON Connector Part # 5501-1508



INTERCONNECTION TABLE			
RJ45	CONDUCTOR COLOR	PROVIEWER-E FUNCTION	BURTON 5501-1508
1	CAT5 ORANGE/WHITE	Rx+	1
2	CAT5 ORANGE	Rx-	2
3	CAT5 GREEN/WHITE	Tx+	3
4 & 5	20 AWG RED & WHITE	12-48V	4
*N/C	CAT5 BROWN	N/A	5
6	CAT5 GREEN	Tx-	6
7 & 8	20 AWG BLACK & GREEN	DC Return	7
*N/C	CAT5 BROWN/WHITE	N/A	8

\*THESE CONDUCTORS ARE ONLY ON THE WHIP AND ARE NOT CONNECTED

### Impulse Connector Part # MKS-310-CPP-RA

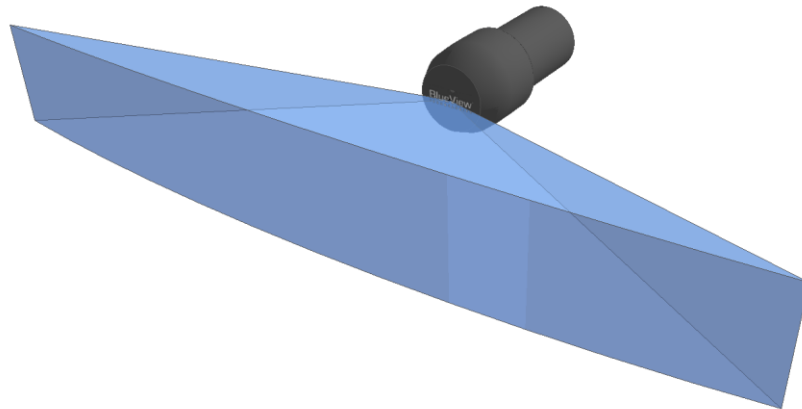


INTERCONNECTION TABLE			
RJ45	CONDUCTOR COLOR	PROVIEWER-E FUNCTION	IMPULSE
1	ORANGE/WHITE	Rx+	1
2	ORANGE	Rx-	2
3	GREEN/WHITE	Tx+	3
4	BLUE	12-48V	4
5	BLUE/WHITE	12-48V	5
6	GREEN	Tx-	6
7	BROWN/WHITE	DC Return	7
8	BROWN	DC Return	8
9	N/A	N/A	9
10	N/A	N/A	10

The Tx/Rx lines are placed to be directly connected to a PC without a 'crossover' cable. Supply power to pins 4,5 and 7,8 as shown above.

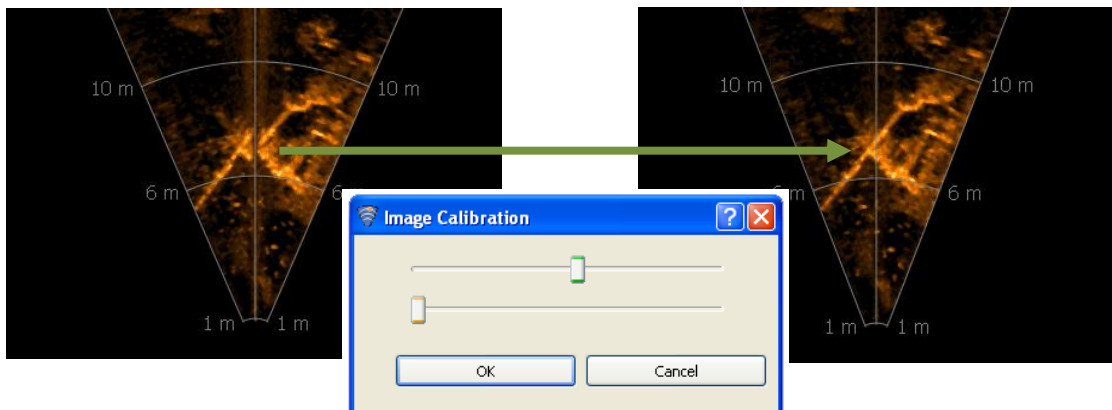
## Mount the Sonar

The sonar images like a camera out the front of the nose cone. It should be mounted looking forward, preferably on the same pan-and-tilt as the ROV's main camera.



## Image Calibration

If an image looks broken or misaligned, press **CTRL-J** to bring up the Image Calibration dialog.



The top slider aligns the center of the image, and the bottom aligns the outer edges.

## **Shutdown**

To avoid data loss, be sure to close and save any sonar data files before removing the sonar power.

When power cycling the sonar, be sure to allow at least 10 seconds of 'off time' before turning the sonar back on.

## **Comments**

If you have any questions or comments, please contact us.

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