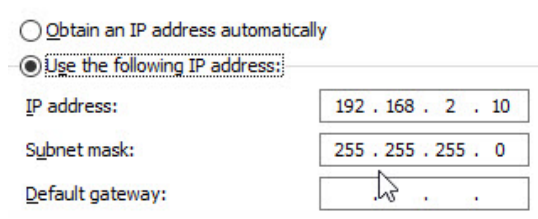




Avoid the Common Mistakes - TOP TEN Things you Should Know

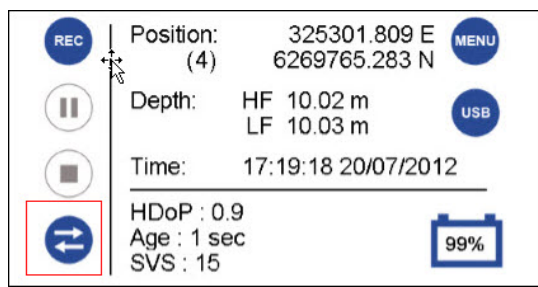
Many of the technical support questions we receive from users are reoccurring themes, and when data issues arise these are often caused by the same setup mistakes in the hardware or software. For the holiday season here is a bonus feature "Top Ten" of tips that will help prevent you wasting time in the field or during data editing - especially useful for new users. Also see the links below for NEW setup guides uploaded this month for the Trimble TSC7 and TSC5 data collectors for operation with the CEE-LINE™.

REMEMBER THESE TOP TEN TIPS



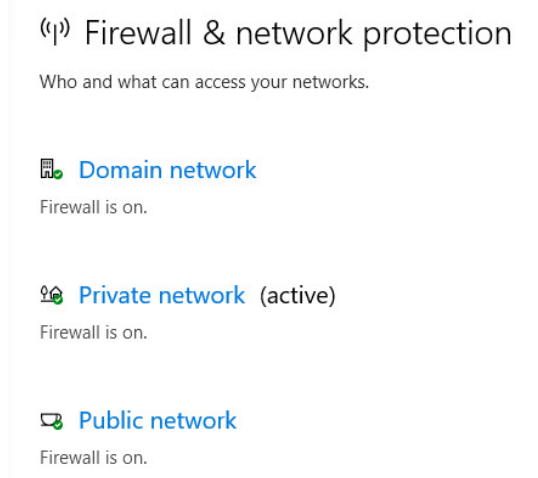
1. No Data? Your PC IP address is Wrong

Can't see data in the software? The most common cause is the PC's Ethernet IP address is incorrect. Maybe Windows updated or someone changed it. The PC Ethernet IP must be fixed at 192.168.2.10 (suggested) for the CEESCOPE / CEE ECHO default IP. If it's stuck on "Obtain Automatically" it will never work. CHECK THIS FIRST EVEN IF YOU THINK IT'S RIGHT. You might have mistyped.



2. No Data? You Turned off the Real Time Output

"Hidden in plain sight" is the bomb you can set off in your setup if you don't know about it. The dual arrow button on the home screen should always have a BLUE background. Pressing this button to turn it CLEAR will DISABLE all data coming out of the echosounder and nothing will appear in the software. Not a great situation if you don't know why your data has vanished.



3. No Data? Your Firewall is On

The network data output by the CEESCOPE / CEE ECHO can be blocked by Windows Defender. If your IP is correct and there's still no data, it could be the firewall. Just deactivate Windows Defender or go to "allow app through firewall" and allow these programs on private and public networks:
 Hydromagic: "Eye4Software"
 HYPACK: "Hardware - Device Test"
 "Survey"



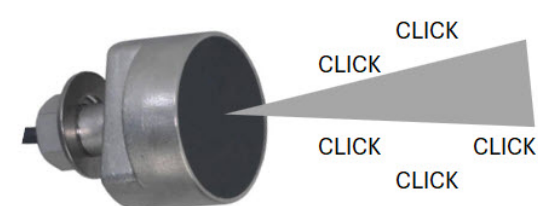
4. Remember the MAXIMUM DEPTH Setting

On all CEE echo sounders there is a MAXIMUM DEPTH field in the setup menu. This is a HARD LIMIT to optimize bottom tracking in the desired range; go deeper than the selected max depth and all useful data will disappear. It's NOT RECOVERABLE! More than once we have seen missing data in the middle of the lake where the user did not notice the max depth was inappropriate. Don't forget this setting is in there. This can be most treacherous when a survey is undertaken well out of the normal depth range, and the operators have no idea about the max depth setting!



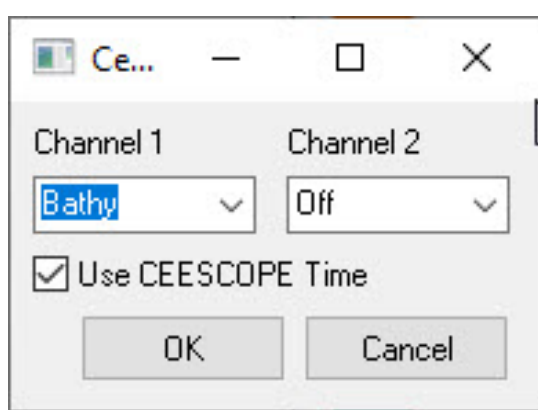
5. Can't See GNSS Data in the CEE ECHO?

If you have the GNSS connected but there is no position on the CEE ECHO, the problem is likely the GNSS. If you have matched the baud rates then check you have properly configured the NMEA output. This is usually the issue. Use the CEE ECHO terminal screen on the GNSS menu to review the data. If it is garbled the baud rate is wrong. Make sure you don't have gender changers and null modems making the cable a mess; just because it physically will connect does not mean it will work. Take a look at our detailed GNSS input setup guide [HERE](#).



6. It's a Sonar - Can You HEAR it?

Transducers can have a hard life - hitting rocks and getting beaten about, and cables yanked and twisted so they can be damaged. If you have no depth data then listen to the transducer up close. If you can't hear it clicking (it is quiet but clear) then nothing is going to give you depth data by magic. Further investigation is needed.



7. HYPACK Driver Setup - Avoid Timing Issues

The handling of CEE time stamped data changed in HYPACK 2021, and understanding this is key to avoid induced (but fixable) timing errors in your data that may or may not be obvious. Understand the timing and setup options in HYPACK, especially if you change versions pre and post 2021. Review the 2021 setup guide [HERE](#). See all HYPACK driver setup and test "how to guides" [HERE](#)



8. DISPLAY / EVENT Hard Reset

To shut off power if any upset condition is seen, the hard reset "pulling the plug" may be achieved by pressing the DISPLAY and EVENT buttons simultaneously. Then you can power up again and resume operations; it's rarely needed but worth knowing.



9. Damaged GNSS Cables and Connectors

The signal received from the CEESCOPE (or any GNSS) antenna is miniscule. Damage to RF coaxial cables and connectors can easily degrade the signal and cause the GNSS position to vanish. If your CEESCOPE GNSS is showing "No Data", maybe connectors are tarnished or dirty. Replace the cable and / or use a tiny screwdriver or paper clip to scrape the inner surface of the copper mating connector to clean and reveal fresh metal where the pin is seated.

10. Keep the Battery Charged

The NiMH internal battery will drain down when in storage. Avoid issues by periodically charging all CEE echo sounders with internal batteries. Ideally every three months if not in use. If the

battery gets super flat, it can't be recharged and an avoidable factory visit is needed. With proper care, batteries will last for YEARS.



New Setup Guides

Use the CEE-LINE with Bluetooth Trimble TSC5

By adding an external Bluetooth radio, the CEE-LINE may be used with the Android-based Trimble TSC5 data collector.

Download the TSC5 setup document [HERE](#).

Perfect Partner: CEE-LINE with Trimble TSC7

Running full Windows operating system the TSC7 is great to use with the CEE-LINE. You can load the CEE-LINE CONNECT utility onto the TSC7 for easy echo sounder control, and use the single smart USB cable for easy data transfer.

Download the TSC7 setup guide [HERE](#).

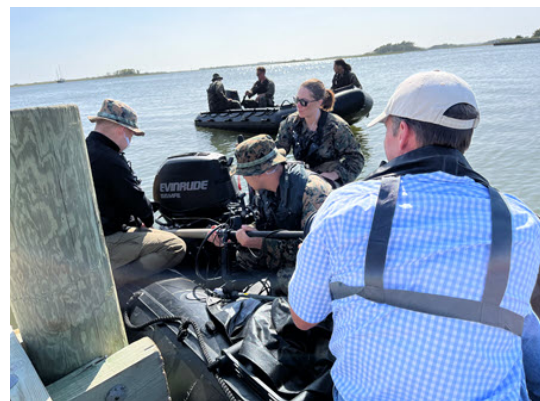
Training and Events

HYPACK User Conference - USA

The annual January user event is at "Margaritaville" Lake Conroe TX for 2025. Come along and see us there.

CEE User Training Opportunities

If the Top Ten has you thinking about user training, contact us to ask about field training opportunities. Maybe if you have new people learning the survey process, we can visit your location and provide hands on training. [CONTACT US](#) to discuss.



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