


FAQ of the **TROMINO**[®] App

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Q1. My App does not connect to Tromino®

In case of connection problems to Tromino®, make sure that you have provided the proper authorizations.

- 1) select Settings 
- 2) select Apps (Figure 1)

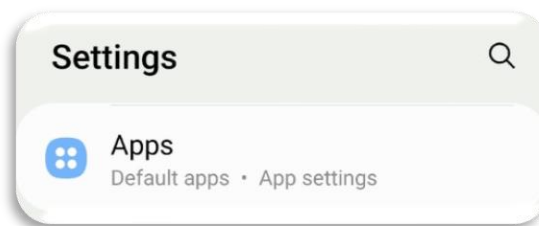


Figure 1. Select Apps.

- 3) select Tromino® App (Figure 2).

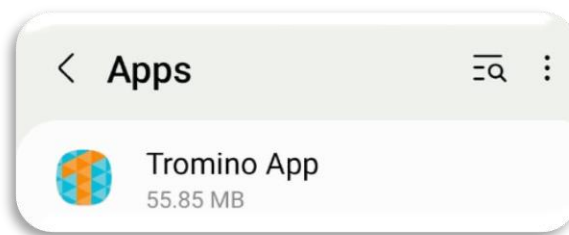


Figure 2. Select Tromino® App.

- 4) From the Permissions menu (Figure 3), enable the *Location permission* (at least while using the app, Figure 4) and the *Nearby devices permission* (Figure 5).

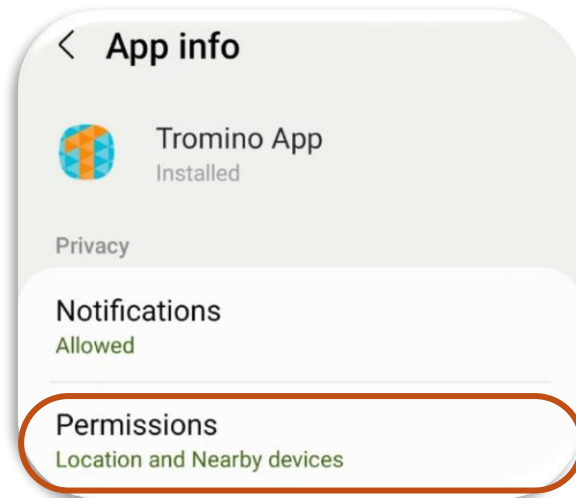


Figure 3. Select Permissions.

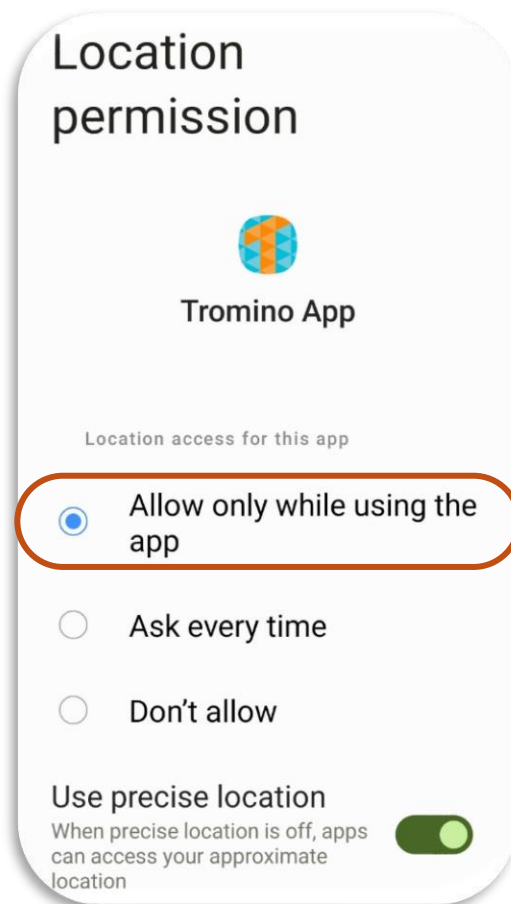


Figure 4. Enable Location permission.

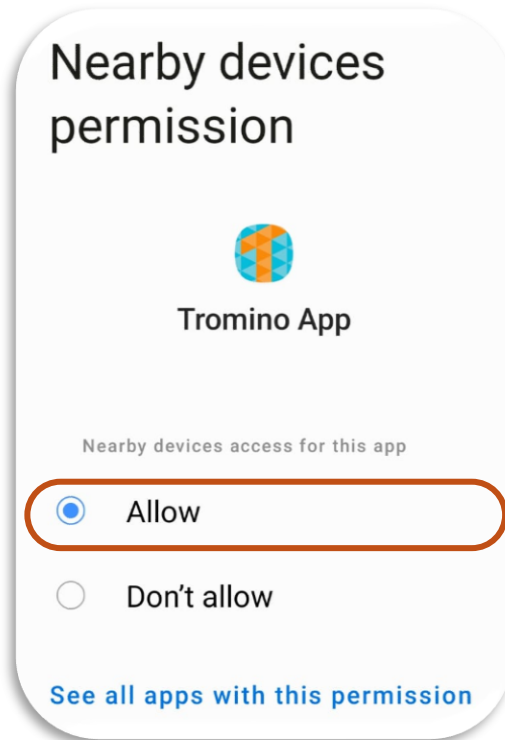


Figure 5. Enable Nearby devices permissions.

At the end, the screen should appear as in Figure 6.

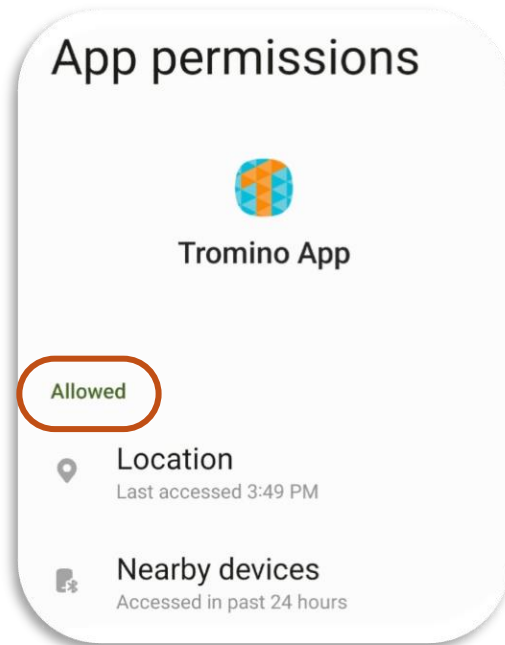


Figure 6. App permissions.

Q2. How can I see the signal the spectra and the H/V ratios during the acquisition?

Watch the Tromino® App presentation [here!](#)

Q3. How can I get a dispersion curve (MASW) from Tromino® + trigger?

- 1) From the Tromino® App menu, select TRC Archive & Offline Analysis (Figure 7).

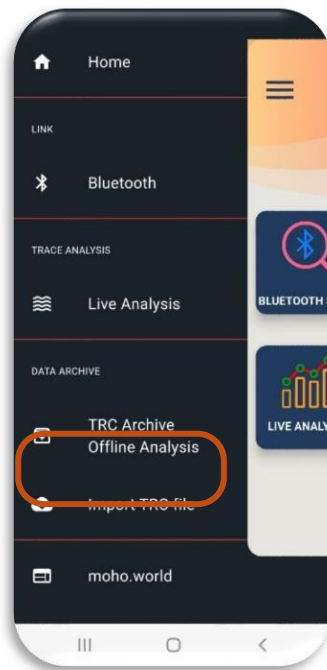


Figure 7.

- 2) Browse the phone and select the .trc file to analyze. This must be a Tromino® + trigger file ([tutorial](#)).

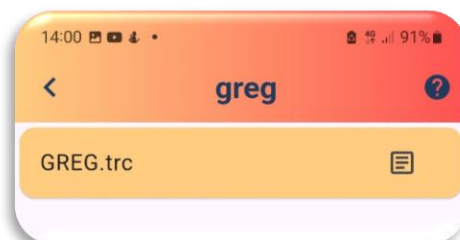


Figure 8.

- 3) Tap on the .trc file to process and click *Dispersion curve* in the file information panel (Figure 9).



Figure 9.

- 4) Select the number of stacks per shot position (Figure 10). Typical value is Stack = 1 (one shot per position).
If you took, e.g., 3 shots per position, set Stack = 3. This will gather the shots accordingly.



Figure 10.

- 5) The multichannel file reconstructed by using Tromino® + trigger will be displayed as in Figure 11. Click the three dots (...) to enter the menu *Settings*, where you can switch between the analysis of the NS, EW or vertical component.

Use the vertical component to produce the Rayleigh wave dispersion curve. Use the horizontal component orthogonal to the horizontal-source to produce the Love wave dispersion curve.

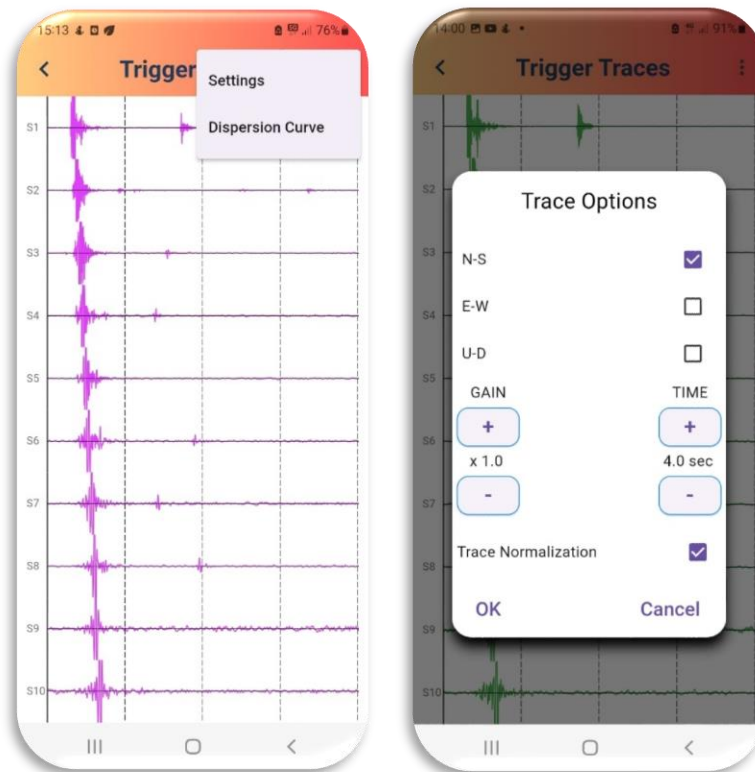


Figure 11.

- 6) Now click *Dispersion curve* from the three dots (...) menu in Figure 11. You will be directed to the parameter window of Figure 12. Here, you can set the array geometry, the dispersion curve limits and resolution (Chart Settings) and the dispersion curve colors (Chart Color).

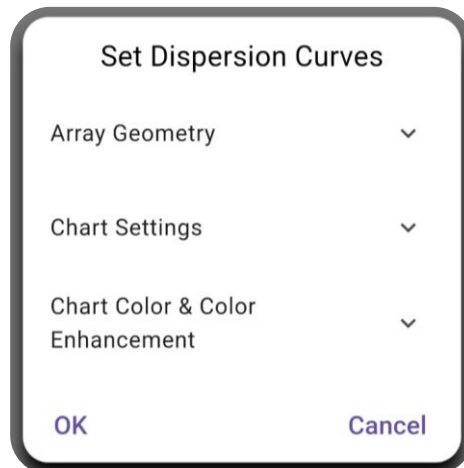


Figure 12.

7) Set the array geometry. Set the geophone offset, Δx . This will be applied to all channels. *At present, only 1D data can be processed.*

You can mute/unmute single channels by operating on the *Sel.* column.

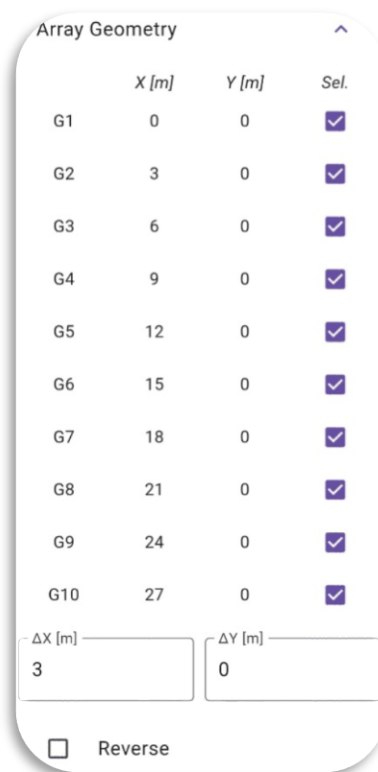


Figure 13.

8) Once the array geometry is set, click *Ok* in Figure 12 and you will get the dispersion curve (Figure 14) in the color format and within the scale limits selected in Figure 12.

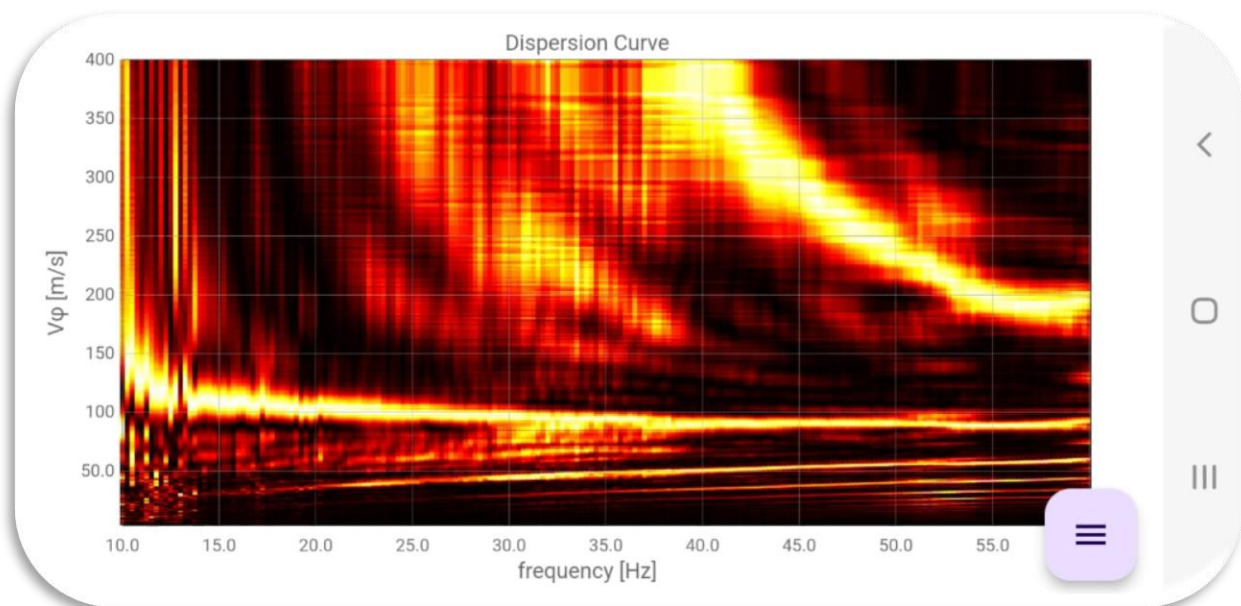
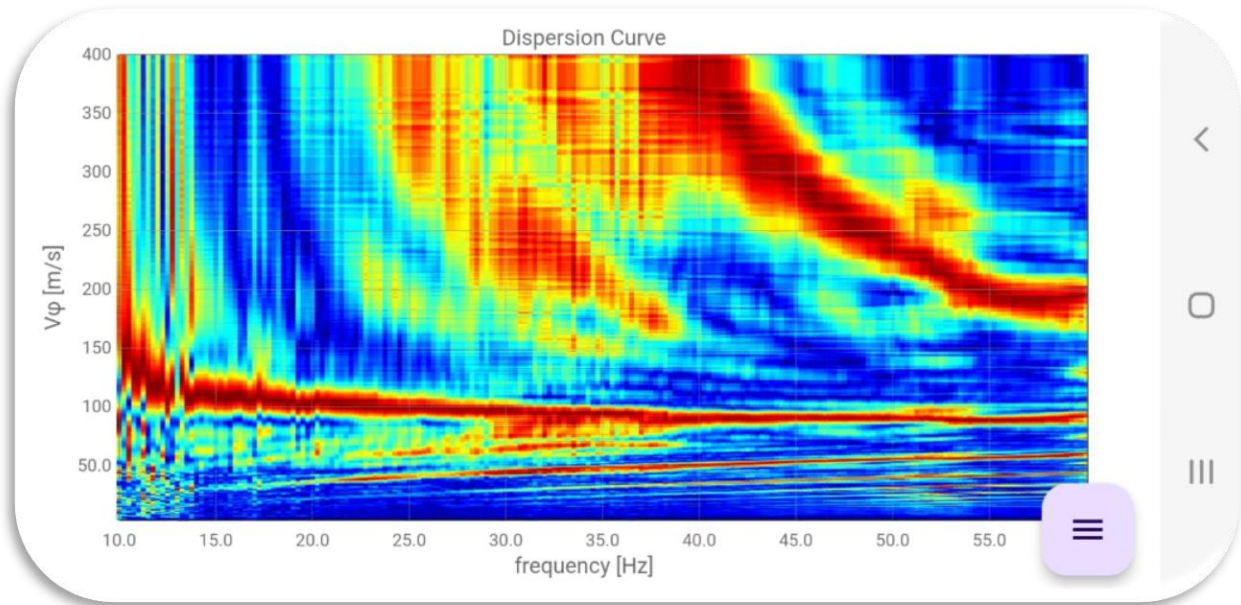


Figure 14.