

Troubleshooting the Rover After an Update

By Zane McAleer

After the gardens phone has performed an update, you may have trouble getting a stable Bluetooth connection to the rover or experience dropouts while using Hortis. The following steps will assist you with unpair and reconnect the rover to Bluetooth. You will also need to check the permissions in the settings for the apps that are used with the rover. These are also detailed below.

Re-pairing Bluetooth

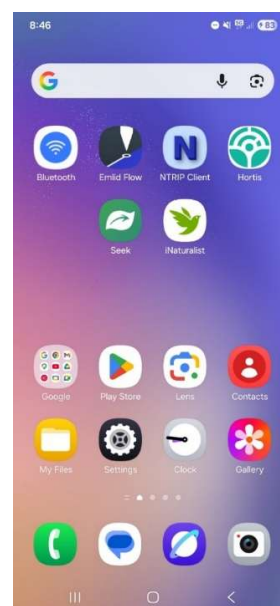
Step 1.

Turn on the rover and wait for the lights to stop blinking and stay on.

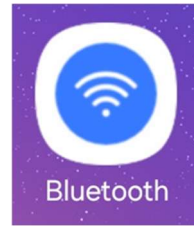


Step 2.

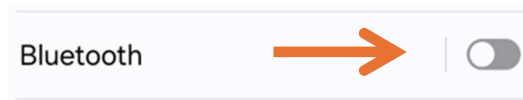
Turn on the mobile phone and allow the phone to boot up to its home screen. The home screen should look like this (the position of the icons has been locked so they won't move around).



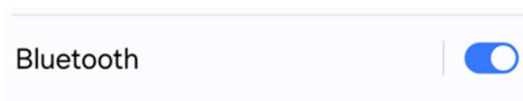
- Step 3.** Tap the Bluetooth icon on the phones display.



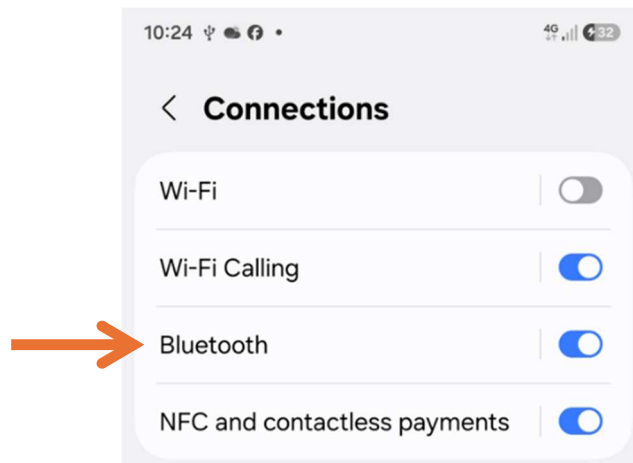
- Step 4.** Turn on Bluetooth by tapping the toggle switch.



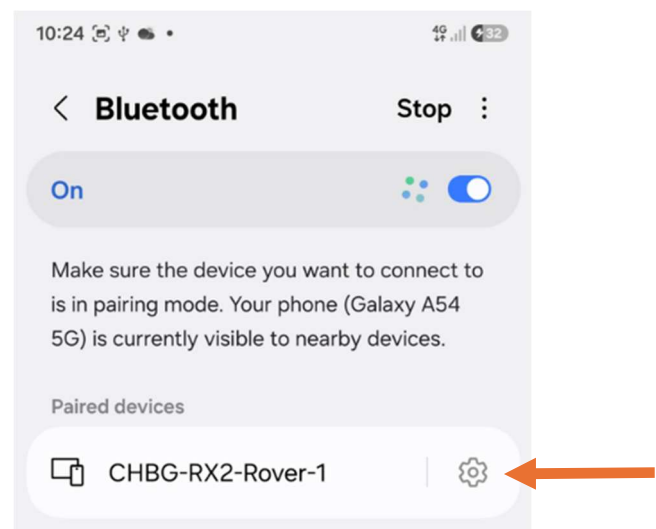
- Step 5.** The Bluetooth toggle should now look like this.



- Step 6.** Tap on the word "Bluetooth."



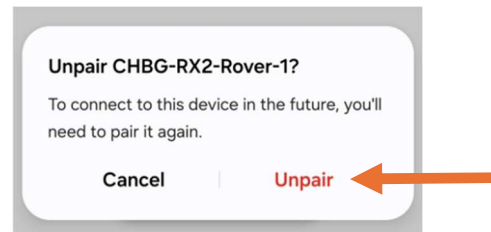
- Step 7.** Locate the rover under "paired devices" and tap on the cog located to the right of the rover.



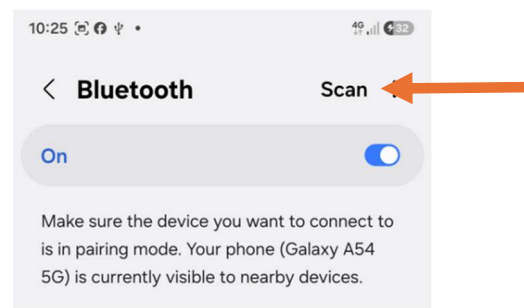
- Step 9.** Locate “Unpair” button at the bottom right of the display. Tap on “Unpair.”



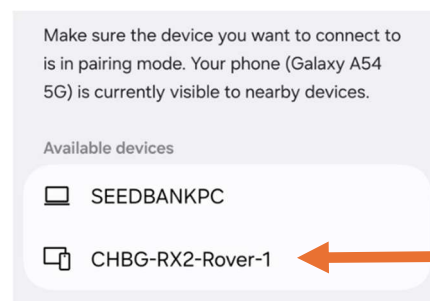
- Step 10.** A box will appear. Tap on the red “Unpair” button. You will then be returned to the Bluetooth screen.



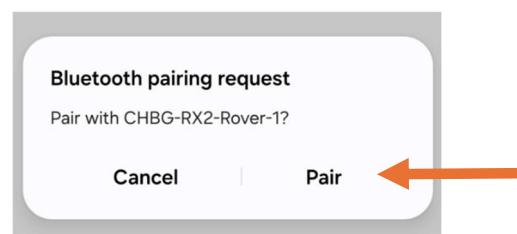
- Step 11.** Locate the “Scan” button at the top right of the display. Tap “Scan.”



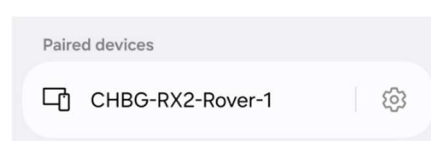
- Step 12.** Locate the rover under “available devices.” Tap on the name of your rover.



- Step 13.** A box will appear at the bottom of the screen. Tap on the “Pair” button located at the bottom right of the screen.

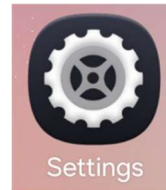


- Step 14.** The rover is now paired with the Bluetooth on the garden’s phone.

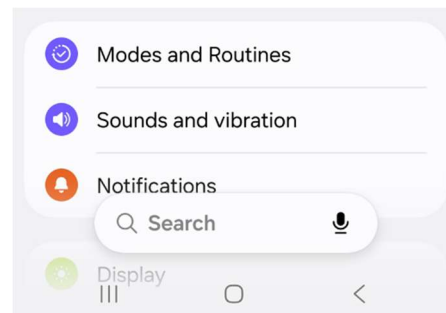


Check Mock Locations

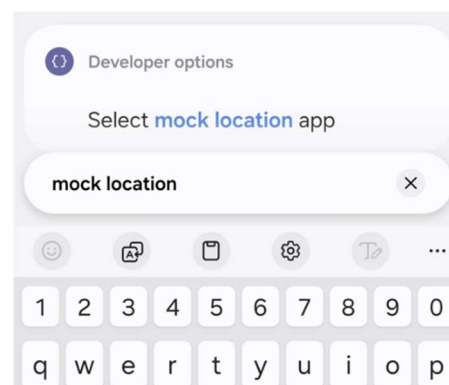
- Step 15.** Go back to the home screen and tap on settings the setting icon.



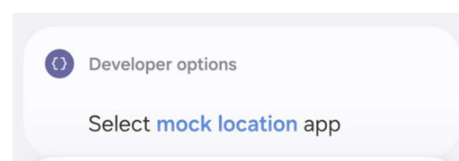
- Step 16.** Tap on search at the bottom of the screen.



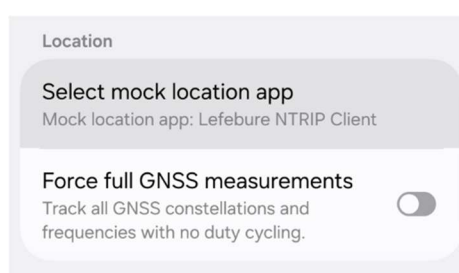
- Step 17.** Type “mock location” into the search.



- Step 18.** Find “select mock location app” in the search results. Tap on “select mock location app.”



- Step 19.** The phone will open in the “developer options” and automatically take you to “select mock location app.” Tap on “select mock location app” again.

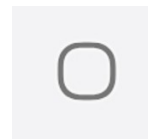


- Step 20.** Tap on “Lefebure NTRIP client.”



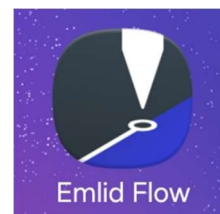
IMPORTANT NOTE: Do not tap on “Force full GNSS measurements.” This will force the phones internal GPS to always be on. This causes the phone’s internal GPS to fight with our GNSS rover, thus interfering with its operation in Hortis.

- Step 21.** Tap on the home button at the centre bottom of the screen.

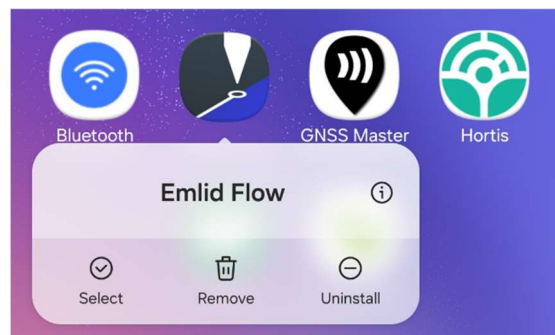


Checking App Permissions

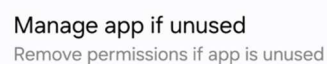
- Step 22.** Locate the Emlid Flow icon. Using a long press of this icon, open the panel for Emlid Flow.



- Step 23.** Locate the information button in the top righthand corner of the panel for Emlid Flow. Tap the information icon.



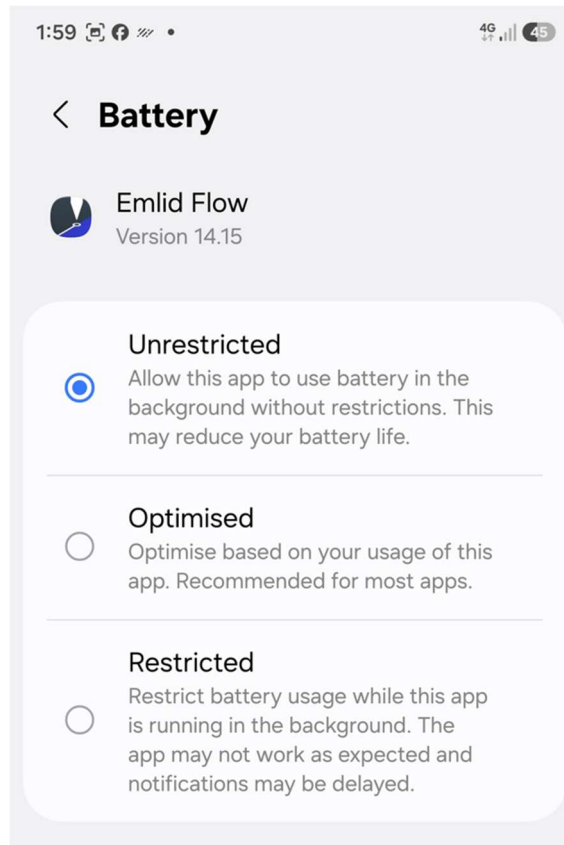
- Step 24.** Locate “Manage app if unused” in the menu. Ensure that the toggle is switched on and displaying a blue colour.



- Step 25.** Scroll down to “Battery.” Tap on the “Battery” menu item.



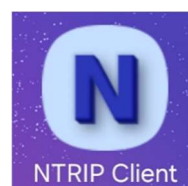
- Step 27.** Ensure that “Unrestricted” is selected. If not, select “Unrestricted.”



- Step 28.** Tap on the home button at the bottom of the display.



- Step 29.** Locate the NTRIP Client icon found on the home screen and repeat steps 22 to 28 while bearing in mind that you are now doing the same thing again, but for the NTRIP client.



- Step 30.** Congratulations you have now completed the configuration to get the rover working with Hortis. Now you are ready to operate the rover in the field. To connect the rover to Hortis, follow the instructions in the User Manual.