



REGIONAL RALLY
TRACKING



BE TRACED
IOT FOR MOTORSPORT

USER MANUAL

Be Traced Recce tracking App

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Introduction: Be Traced tracking mobile App for Recces

The Be Traced app is designed to track and monitor competitors during **reconnaissance**. The app can identify the number of passes through a Special Stage, **speeding violations** (customizable), **wrong-way** passages, and crossings.

The app also supports **background operation**, meaning it continues to work even when it is not constantly displayed on the screen. In this case, it is important to **never fully close the app**.

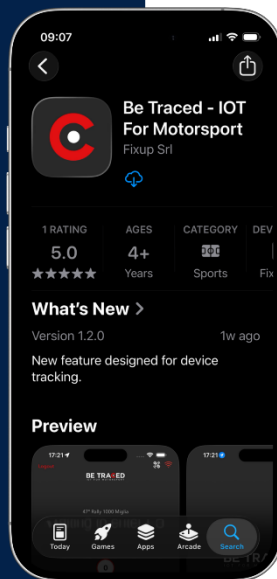
WARNING: The phone must be mounted on the vehicle's windshield using a suitable suction-cup mount, ensuring a clear view of the sky and helping maintain a stable GPS signal.

The following pages provide a detailed explanation of the app's screens.

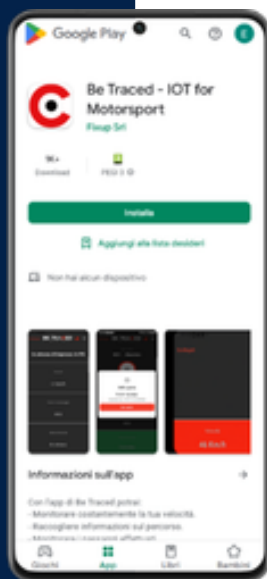
1 – Downloading the App

The Be Traced App is available **free of charge** for download on **any Android mobile device** via the **Google Play Store**, or on iOS (Apple) via the **App Store**.

To make sure you install the correct application, refer to its icon, which should be **grey** and display **the Be Traced logo (the red C)**.



iOS (Apple)



Android



2 – Logging in

Once the App has been installed, it is necessary to **log in**. To do so, simply **enter the code provided by the organizer** in the designated section and confirm by pressing the “**Continue**” button (Fig. 1), which will then turn red.

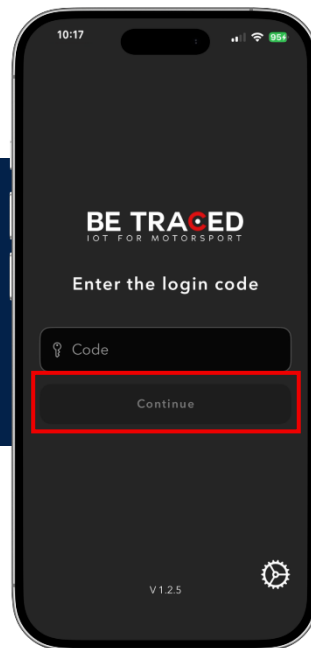


Figure 1

NOTE: If you encounter an error when logging in, check that mobile data is enabled and that the phone is connected to the Internet.

If mobile data is enabled, **make sure you have not registered using the same code on another device**, as the same code cannot be associated with two different devices at the same time. In this case, use the first device or **log out** from it using the button in the upper-right corner before logging in on the new device.

1.1 – GPS location and notifications consent

In order to function correctly the Be Traced App needs **access to the device's GPS location**, which will be immediately disabled once the reconnaissance sessions have been completed. Similarly, the App must be able to **send notifications to the user's smartphone**.

When first launched, the App will automatically request **permission to use the device's GPS location** and **send notifications** (Fig. 2). At this point, **make sure to grant permission for both requests**.

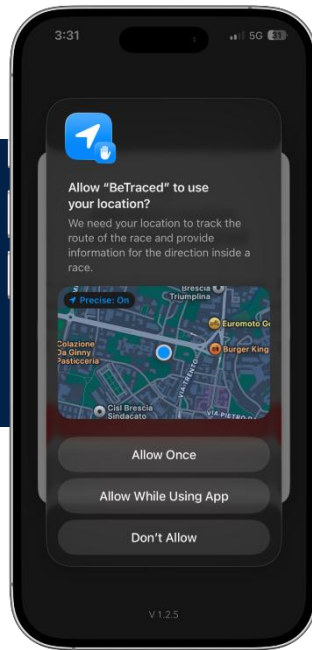


Figure 3

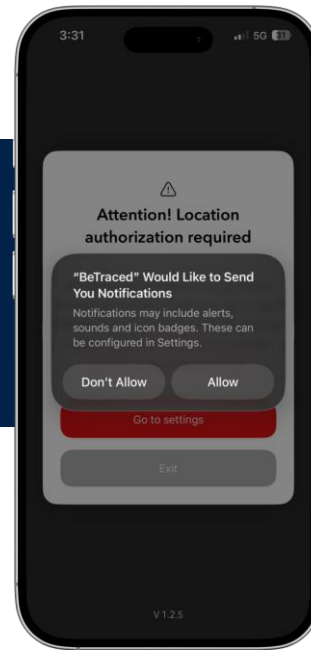


Figure 2

WARNING! If permission to use the device's location has not been granted (Fig. 2), the App will not function correctly.

If permission to use the device's location has not been granted, a dedicated message will appear on the screen. In this case, open the phone's settings by pressing **"Go to settings"** (Fig. 4) and grant permission to use the device's location (Fig. 5).

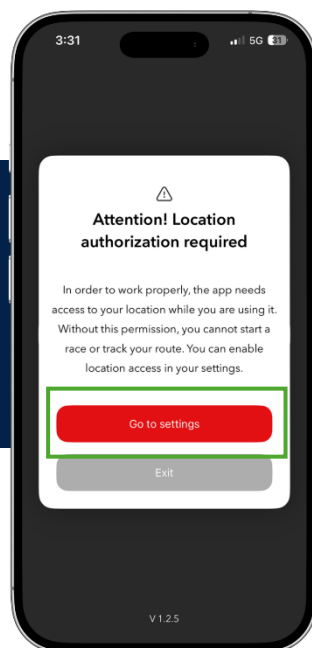


Figure 4

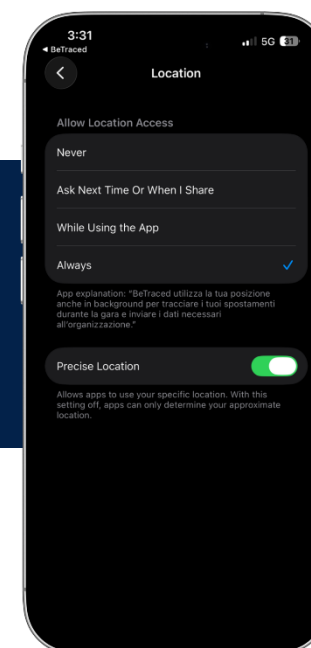


Figure 5

Once logged in and the required permissions have been granted, a message containing **some information about the event** will appear on the screen (**Fig. 6**):

- **The event name**, highlighted in blue in **Fig. 6**;
- **The assistance contact number**, highlighted in green in **Fig. 6**.

At this point, press the “**Got it**” button to close the message (**Fig. 6**).

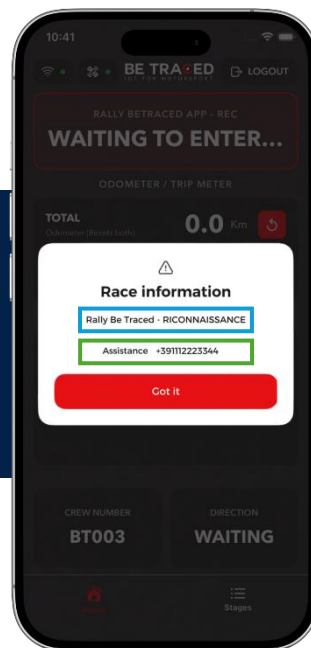


Figure 6

3 – Home screen and functionalities

After logging in, the App starts working immediately, with no further interaction required from the user.

3.1 – Waiting to enter Special Stage

If the crew is not at the **START** of the Special Stage, a message will appear at the top of the App's main screen indicating that it is **waiting to enter the Special Stage** (Fig. 7).

The same screen also displays the **tripmaster** (Fig. 7), which calculates the partial and total distance travelled. Both the total and partial tripmasters can be **reset at any time** by pressing the **icon on the right** (Fig. 7).

WARNING! Resetting the total tripmaster will also reset the partial tripmaster to zero.

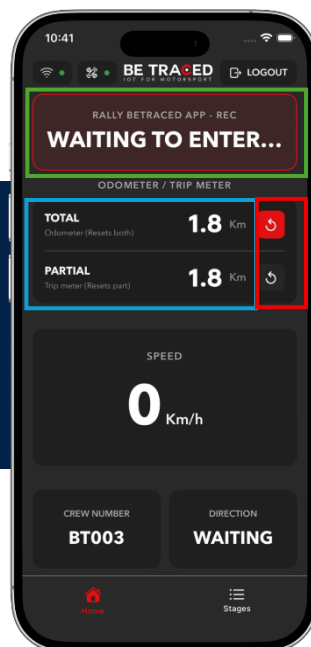


Figure 7

The lower part of the screen displays:

- The **current speed**;
- The Crew or Reconnaissance **Crew number**;
- The **direction of travel**, which remains “WAITING” during Transfer sections.

3.2 – Special Stage

Once entry into a Special Stage is detected, the App screen switches to the dedicated mode, displaying:

- **The stage name**, instead of the waiting message (Fig. 8);
- **The remaining and completed distance**, instead of the tripmaster (Fig. 8);
- **The route progress** as a percentage (Fig. 8).

The lower part of the screen remains unchanged. However, next to the current speed, the **speed limit** is displayed, while the direction of travel indicator in the bottom-right corner shows whether the current direction is correct or **against the direction of the Special Stage**.

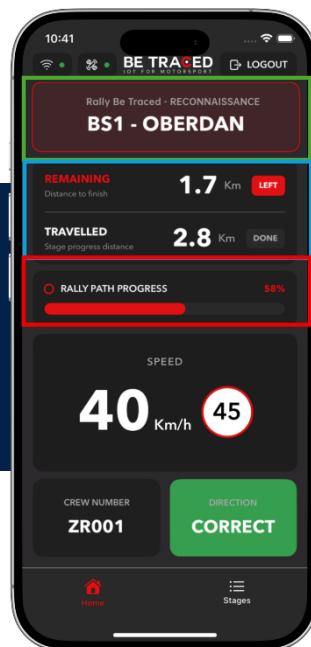


Figure 8

3.3 – Observe speed limits

The Be Traced App for reconnaissance can **detect speeding violations** and alert the crew via an **audible signal**. In this case:

- **If the speed limit is exceeded for less than 4 seconds**, the current speed section will turn **orange** (Fig. 9);
- **If the speed limit is exceeded for more than the 4-second threshold**, the current speed section will turn **red** (Fig. 10).

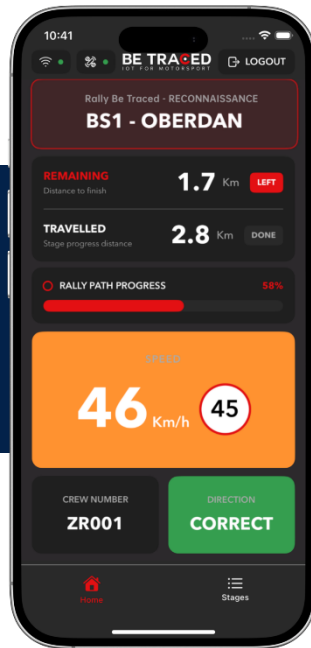


Figure 10

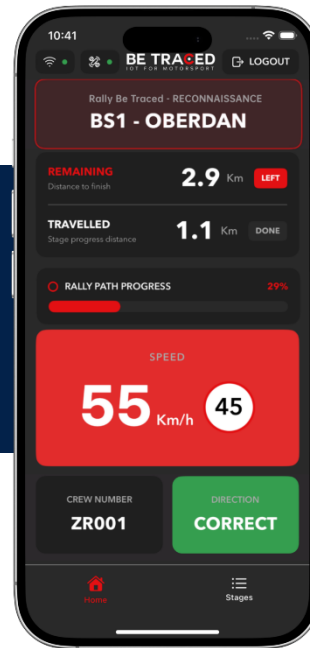


Figure 9

3.4 – Direction of travel

In **Special Stage** mode, the Be Traced App can detect whether the crew is travelling **in the correct direction** or **in the wrong direction**.

In this case, the direction-of-travel section in the bottom-right corner will turn **red** (Fig. 11).

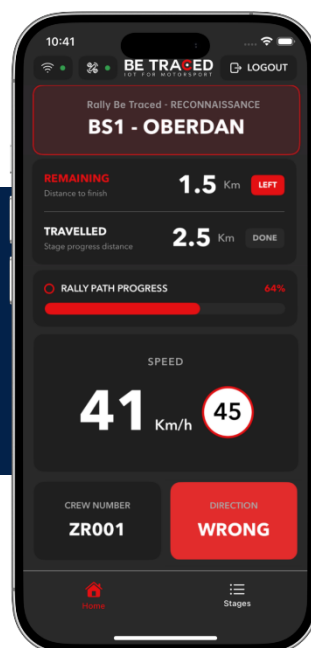


Figure 11

3.5 – Navigation towards Special Stage starting point

From the home screen, the App can **navigate the crew to the START of a Special Stage**.

Pressing the button in the bottom-right corner (**Fig. 12**) will open a screen listing the Special Stages (**Fig. 13**). From there, by selecting a stage, the App will calculate the shortest route to the stage **START** and start navigation using **Google Maps**.

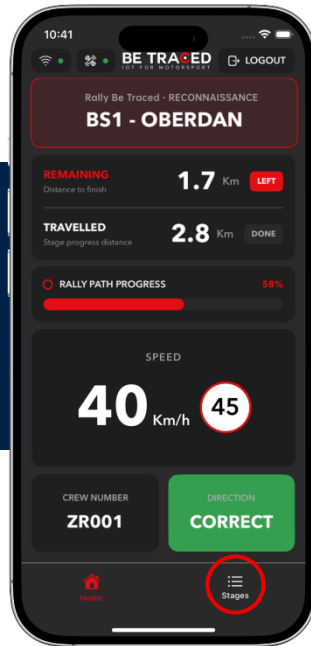


Figure 12

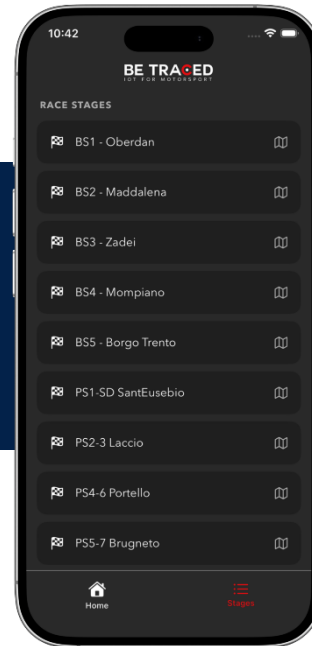


Figure 13

4 – Diagnostics indicators

At the top of the main screen, there are several **diagnostic indicators** that can be used to check whether the App is functioning correctly.

Under normal conditions, **all indicators should be white** (Fig. 14).

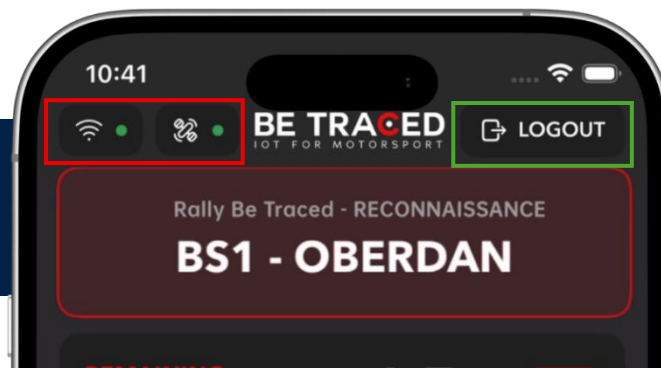


Figure 14

- If the indicator in the top-right corner, with the **Wi-Fi** icon, is **red**, this means that **the App is not communicating with the Be Traced servers**. In this case, all information will still be recorded and sent to the Be Traced platform as soon as the device is able to communicate again. In the phone settings, check that the App is authorized to access the Internet.
- If the indicator with the **satellite** icon is **red**, this means that **the App is not detecting a GPS signal**. In this case, **try disconnecting the App** and reconnecting it on another phone, or **contact Be Traced staff**.

To disconnect from the App, press the **“LOGOUT”** button in the top-right corner (Fig. 14). It is important to note that only one device can be connected to the App at a time. Therefore, if it is necessary to change devices, disconnect from the first device before connecting the second one.



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