



# Retrofit Smart Helmet Kit

## User Manual

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The User agrees and acknowledges that the 2Wheeler Navigation product/aid called the Navisor and NavAudio is for aiding the user with directions on roads. The User understands and further acknowledges that there is always a possibility of new roads being constructed/ turns being closed/opened which may not be captured/updated in the product. The Company (C.E. Info Systems Limited) strongly advises you to direct all your attention to the ride, drive or transport, and to follow the local traffic regulations and safety requirements and does not provide any warranty with respect to the exactness of the product. The Company and its group companies disclaims all liability with respect to any loss of property, injury and death caused to the User or anyone else by use of these products.



## INTRODUCTION

### In the Box



\* After installation of Navisor, opening the visor on some of the helmets may be a challenge. For these helmets we can provide a Visor clip, which is available on demand basis. Please get in touch with our Customer Care team for the same.

### Overview

Navisor, when used with NavAudio, is a complete smart helmet kit that turns your existing full-face helmet into a smart helmet. Navisor offers real-time visual cues for navigation that are easy to understand, keeping you aware of your upcoming turns or deviations without having to take your eyes off the road. With Navisor, you can keep your focus on the road, without needing to check your phone mounted on a stand.

Navisor provides intuitive LED light cues with different colors and animations that are easy to interpret, even if you have reduced visual acuity. This makes it easier to understand navigational data, such as turn types and distances, without adding to the cognitive load required to drive safely. This makes the experience of navigation more convenient and safer for you.

Navisor also includes an ambient light sensor that adjusts the display brightness automatically according to the surrounding light levels. This ensures that the display is easy to see in all lighting conditions.

In addition to its other safety features, Navisor also includes an integrated accelerometer to detect accidents or crashes. In the event of an accident, Navisor will send an alert to the Mappls app, which will then notify your emergency contacts. This feature adds an extra layer of safety, ensuring that you are never alone in case of an emergency.

## Features

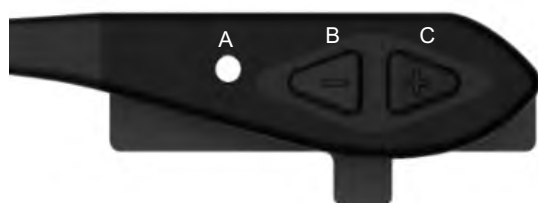
- Peripheral Cueing Navigation System
- Long Battery Life – Atleast 12hrs of continuous use
- Integrated Crash/SOS sensor
- Designed for IP65 and Atleast 2 meters drop resistant
- Visible in all lighting conditions – Direct Sun, Rain, Fog, Dusty
- Compatible with most full-face helmets – easy installation

## Tech Specifications

- Works on Bluetooth low energy mode (BLE 5)
- 350mAh battery
- 3 axis mems crash sensor
- Light sensor for auto adjust of brightness
- Charging time : 2hrs
- Standby time: 200hrs

## Appearance

### ■ Front view



A. Light Sensor  
B. Brightness (-)  
C. Power On/ Brightness



### ■ Bottom view



A. Type-C Charging port

### ■ Back view



A. Left Mounting Bracket B. Right Mounting Bracket

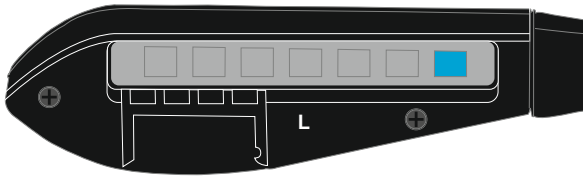
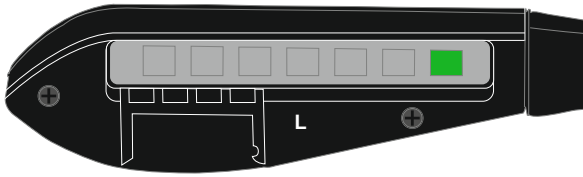
## START USING YOUR DEVICE

### Charge the Navisor

- Your device is powered by a rechargeable Li-Ion battery.
- Insert the USB cable into the USB charger port.
- Connect the USB cable to the charging head, and then plug the charging head into a standard outlet.
- Insert the Type C end of the cable in the navisor.

### Charging Status

- **Blinking Blue LED: Charging**
- When you connect Navisor to a power source using the provided USB cable, the LED on the device will start blinking blue, indicating that it is currently charging.
- **Solid Green LED: Charged.**
- Once the battery of Navisor is fully charged, the LED on the device will change from blinking blue to solid green.
- The solid green LED indicates that the device is now fully charged and ready for use.

State	LED	
Charging	Blinking Blue LED	
Charged	Solid Green LED	

## Power On and Off

- Turn on press the power on/ brightness (+) for 1 click.
- Turn off press & hold the brightness (-) & power on/brightness + simultaneously for 1 second.

## Brightness Control

- To increase brightness – press and hold power ON/brightness (+) button until adjusted to convenient brightness
- To decrease brightness – press and hold brightness (-) button until adjusted to convenient brightness

## INSTALLATION

Here is a detailed guide for installing Navisor onto a helmet, including step-by-step instructions:

**Step 1:** Clean the surface of the helmet.

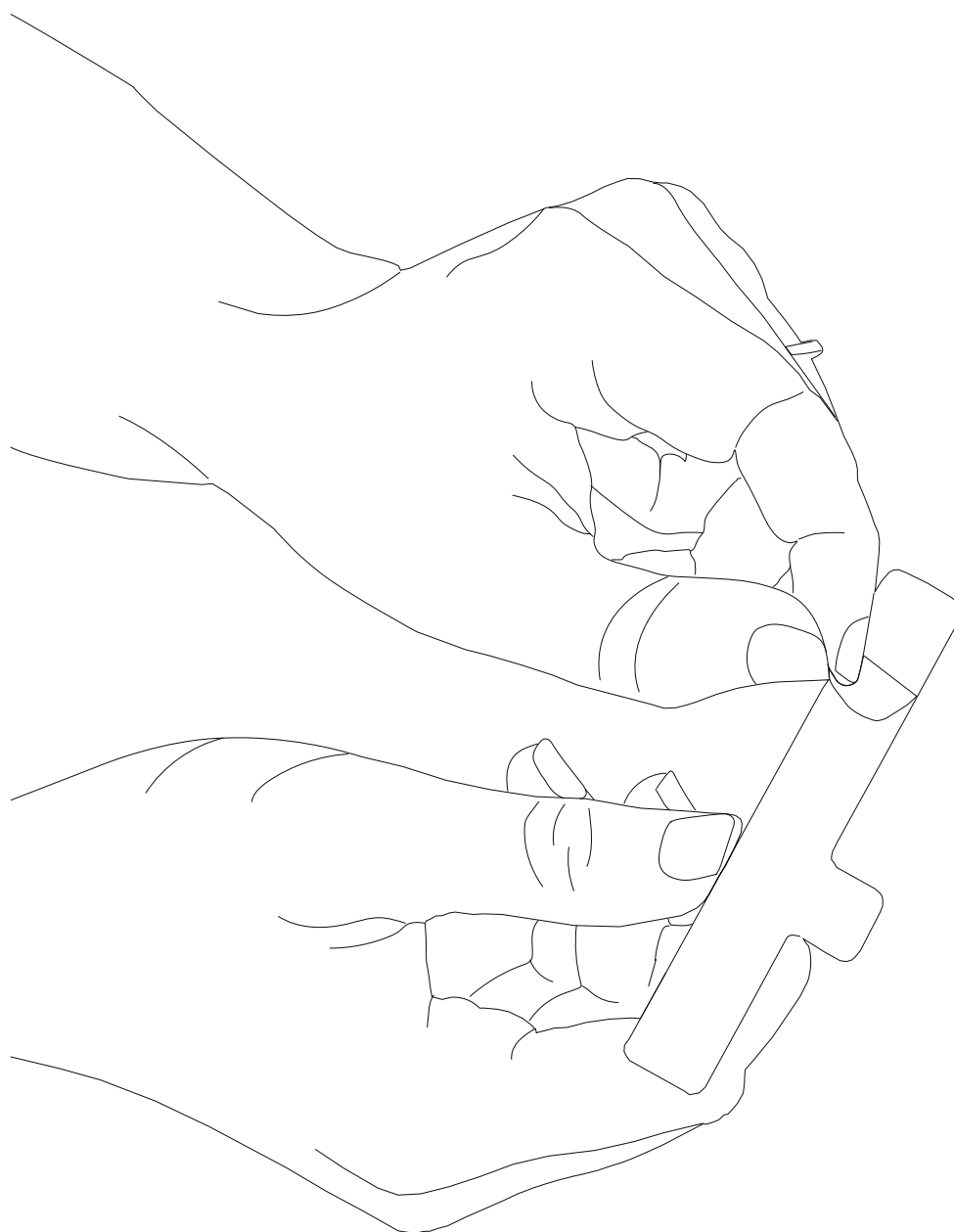
Use a clean cloth or tissue to wipe the area of the helmet where you want to attach the mount. Make sure there is no dirt, dust, or oil on the surface.



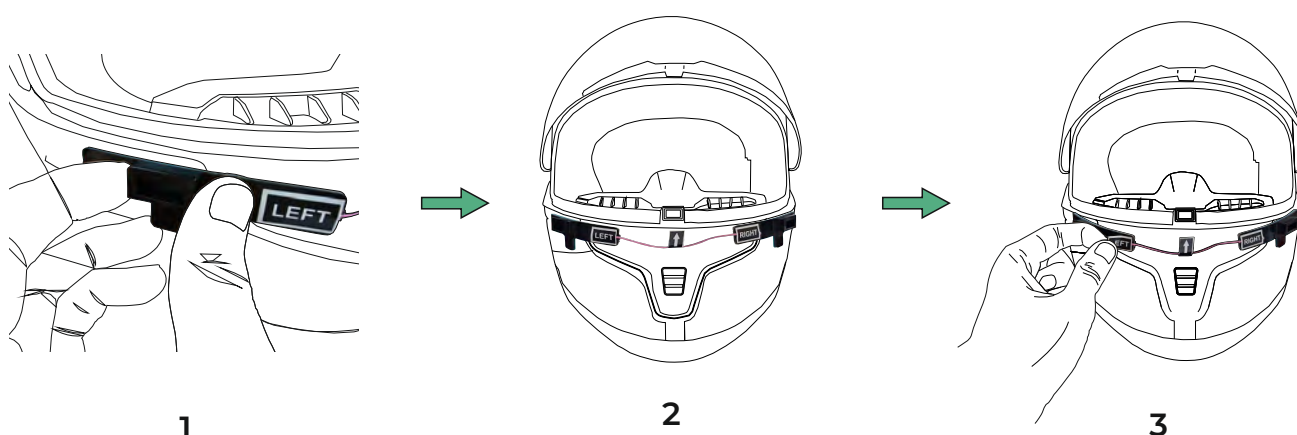
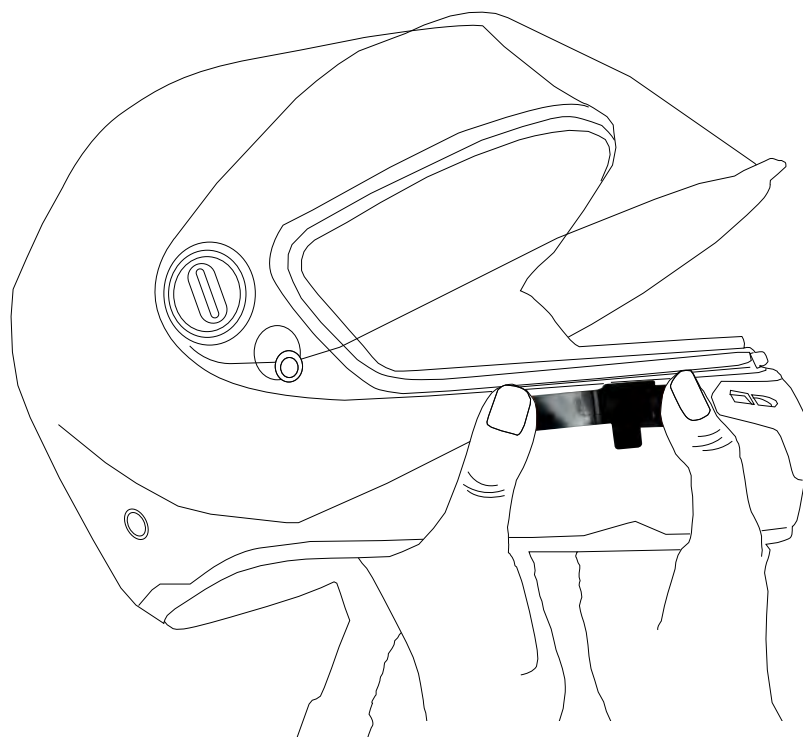


**Step 2:** Peel the sticker as shown.

Locate the sticker on the back of the mount and peel off the protective layer.

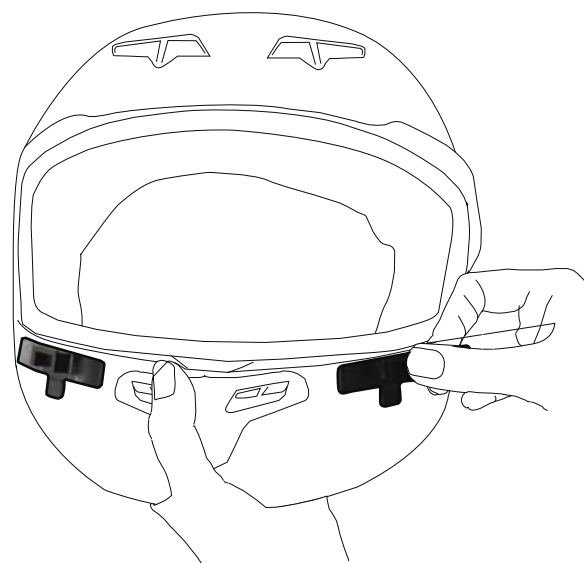


**Step 3:** Align the mount by using the guided sticker as shown. Use the Guided sticker in the front of the mount to align it properly on the surface of the helmet. Make sure it is centered and level.

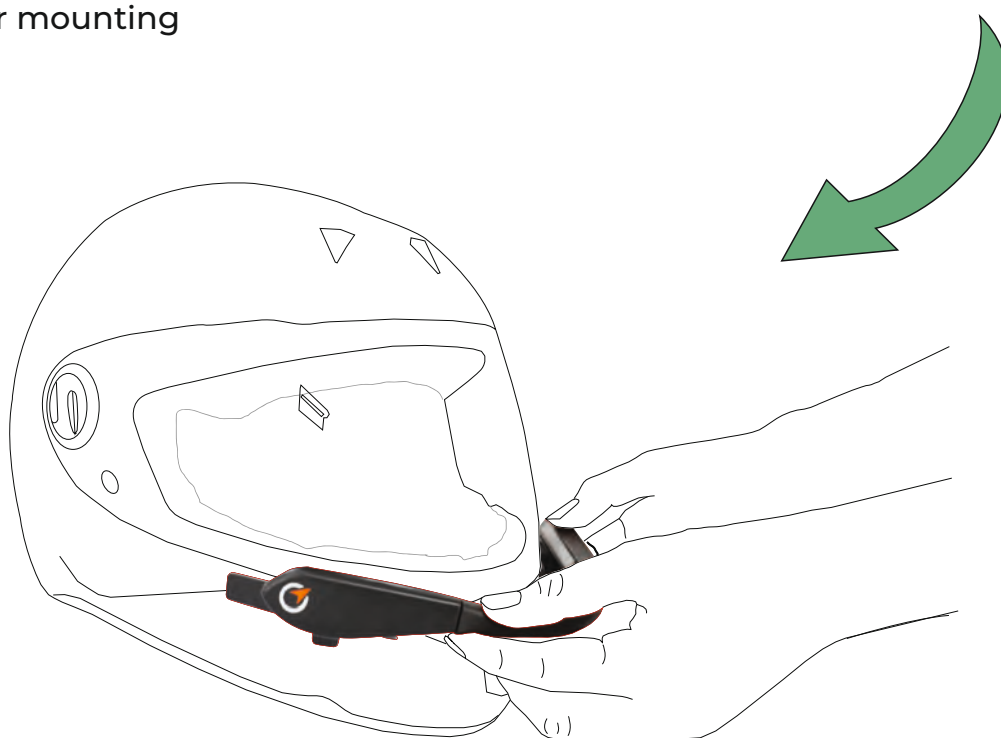


Please Ignore the etched L&R symbol on the mount. Kindly refer to the stickers (Right) and (Left) for mounting navisor on the helmets

**Step 4:** Stick the mount to the rim of the helmet as shown below. Press the mount firmly onto the surface of the helmet, using the guided sticker as a reference point.



- Press the mounts on to the surface of the helmet tightly and it is advised to leave it undisturbed for 24hrs before mounting the Navisor.
- This is to ensure that there is proper adherence to the helmet.
- Peel off the guided sticker after mounting



**Step 5:** Slide in the Navisor onto the mount.

Locate the slot on the back of Navisor and slide it onto the mount attached to the helmet. Push it in until you hear a click, indicating that it is securely attached.



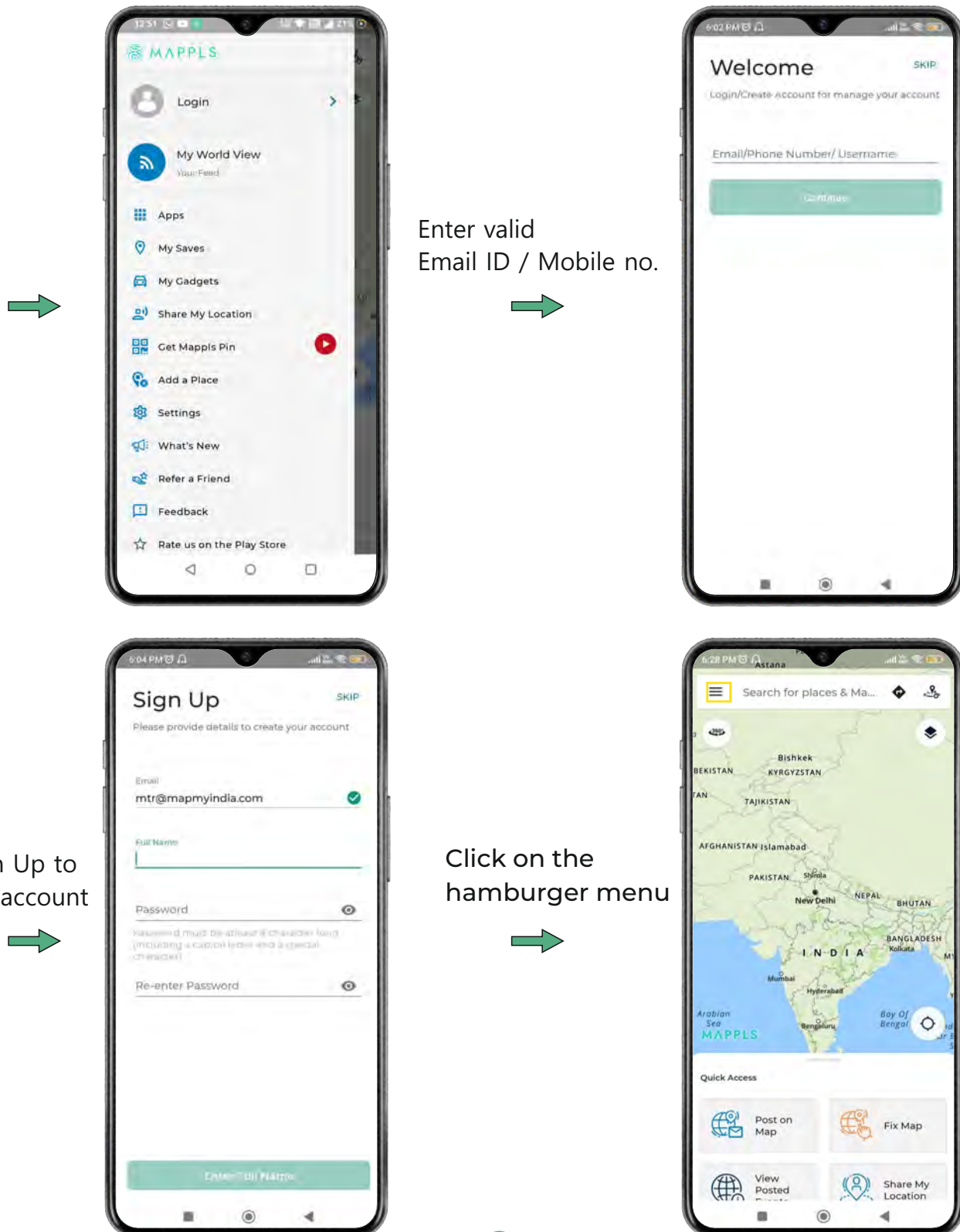
**Step 6:** Connect with Mappls app.

Download and install the Mappls app on your smartphone. Follow the instructions in the app to connect Navisor with your phone via Bluetooth. Once connected, you can start using Navisor for navigation, communication, and other features. Remember to follow the installation instructions carefully to ensure that Navisor is attached securely to your helmet and functions properly.

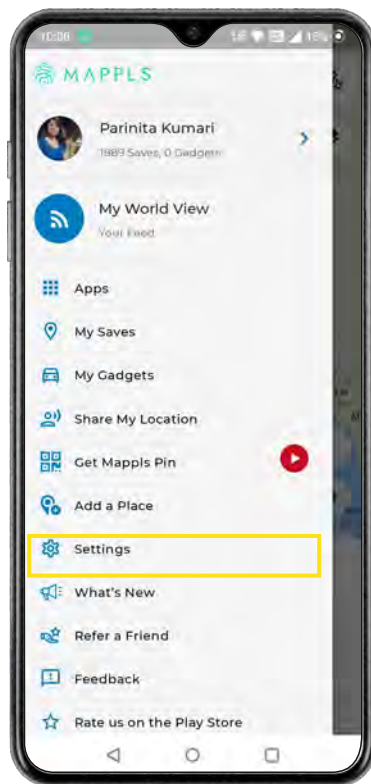
## How to use Navisor with Mappls App

### For Navisor Device

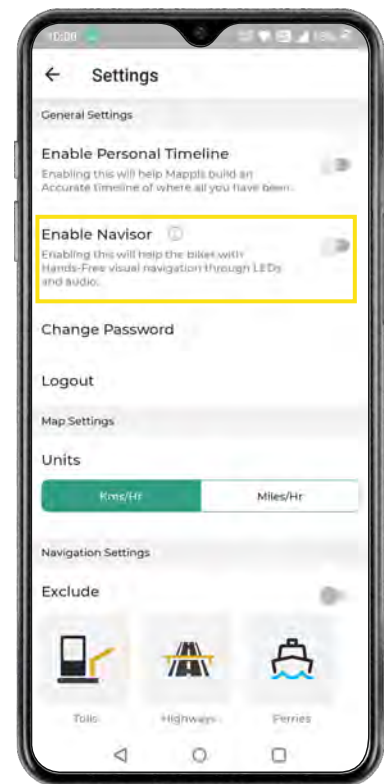
- Download Mappls App from the Google Play Store or Apple's App store, or scan QR to open the app link for download
- Open the App



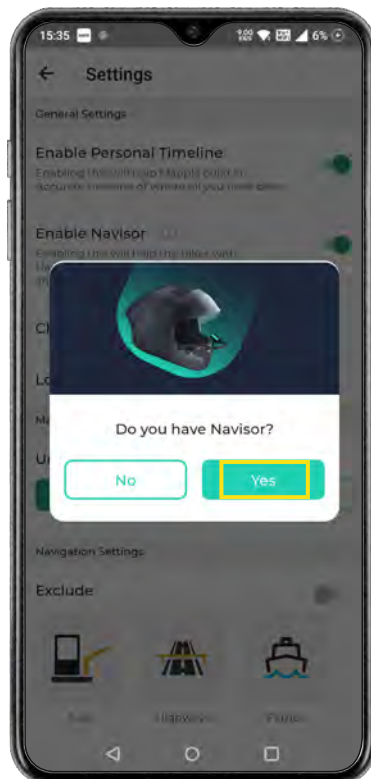
Tap on  
Settings



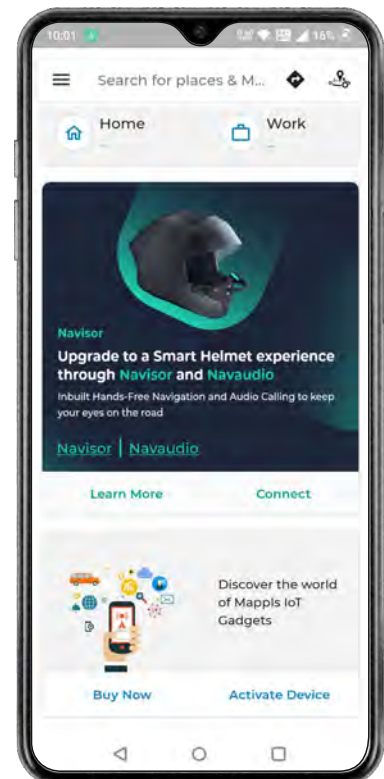
Enable Navisor



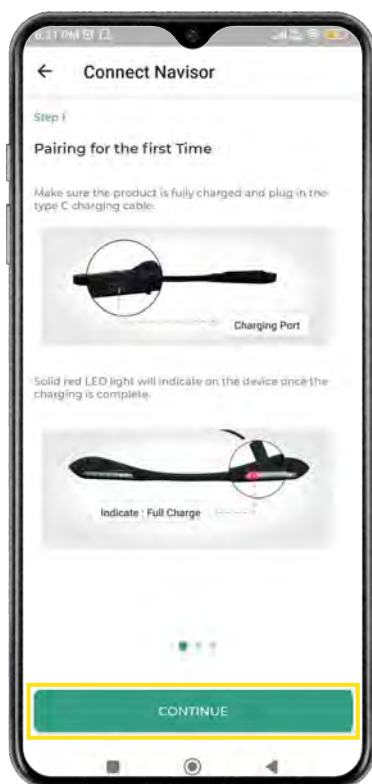
Click on  
Yes



Scroll up the  
Quick Access  
menu and click  
on Connect



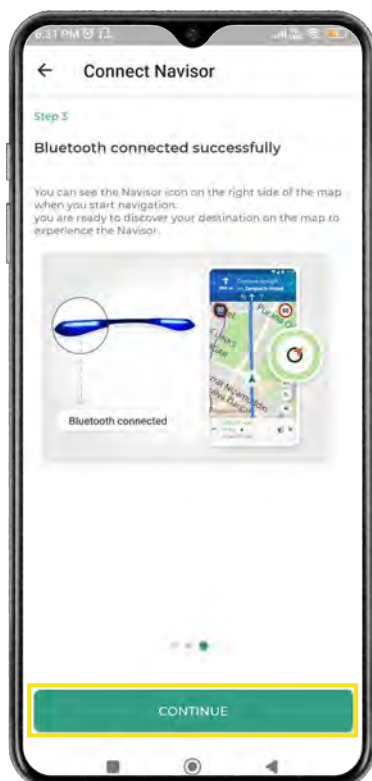
Click to  
Continue



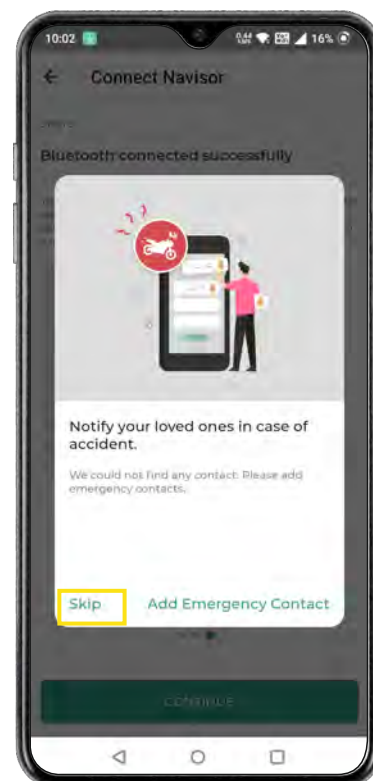
Click on Turn on  
bluetooth of your  
device (follow the  
on screen  
instructions)



Click on  
Continue



Add  
emergency  
contact or click  
on skip

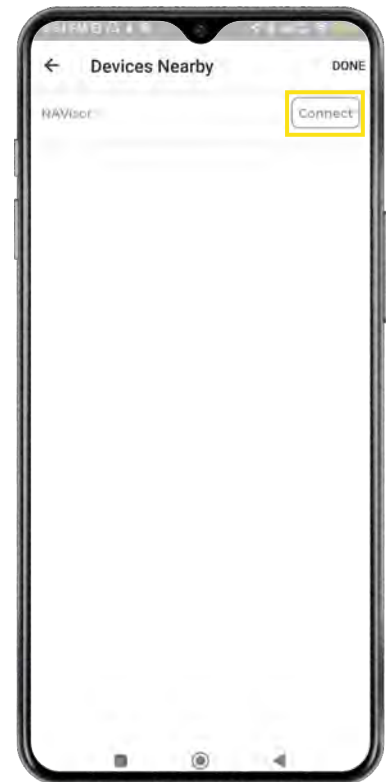




Click on  
allow



Click on  
Connect



Navisor  
Connected

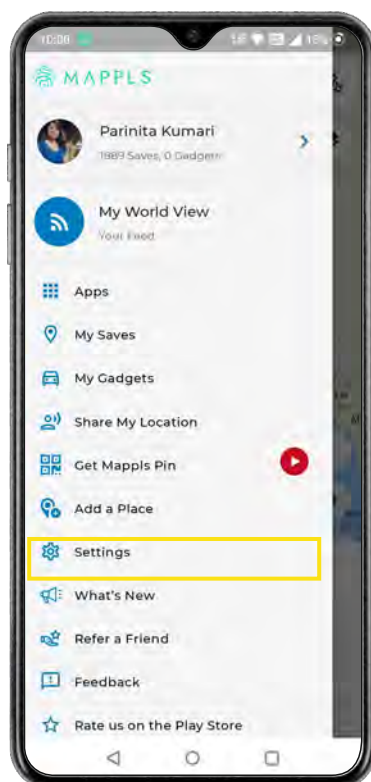




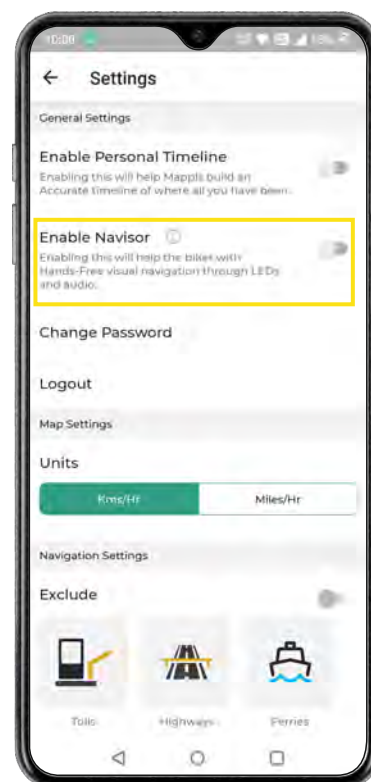
## How to Use Navisor along with Mappls App

### ■ Open the App

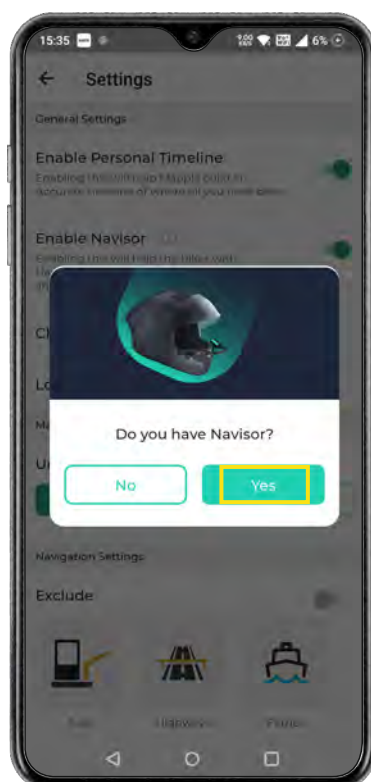
Tap on  
Settings



Enable Navisor



Click on  
Yes



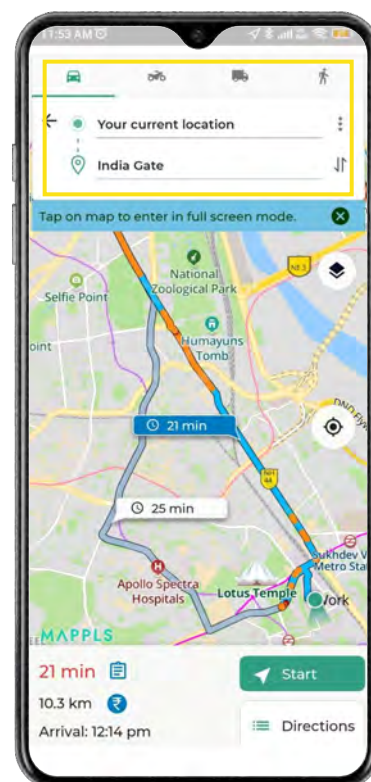
Click on the  
hamburger menu



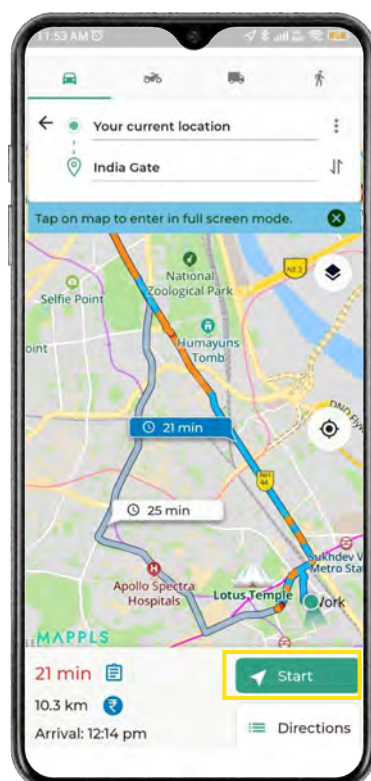
Click on the Direction button on home screen.



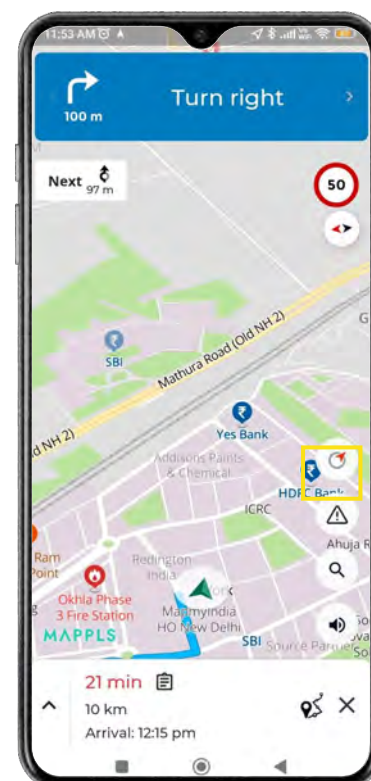
Enter start and end location.



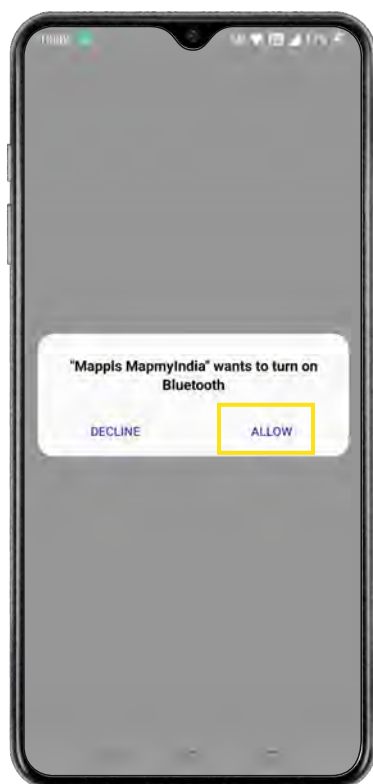
Click on Start Navigation



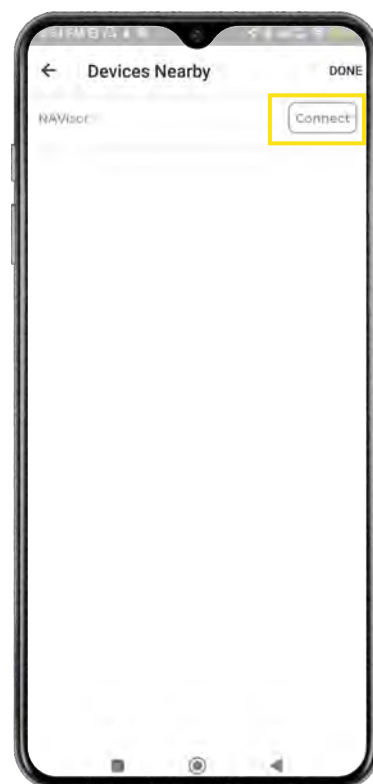
Click on Navisor icon on the navigation screen



Click on  
allow



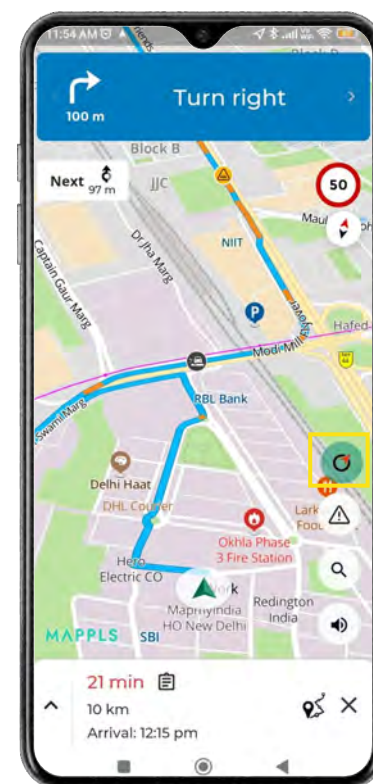
Click on  
Connect



Click on  
allow











Navigation  
screen



## LED PATTERN











### Normal Turn

■ LED color: Red

Signal	Distance	Left LED's	Right LED's
Left Turn	250 meters		
	150 meters		
	50 meters		
	Immediately (blinking Red light)	 <p>All LED blinking</p>	
Right Turn	250 meters		
	150 meters		
	50 meters		
	Immediately (blinking Red light)	 <p>All LED blinking</p>	











## Slight Turn

■ LED color: Yellow

Signal	Distance	Left LED's	Right LED's	
Slight Left Turn	250 meters			
	150 meters			
	50 meters			
	Immediately (blinking Yellow light)	 2 Still and 3 LED blinking		
				
Slight Right Turn	250 meters			
	150 meters			
	50 meters			
	Immediately (blinking Yellow light)	 2 Still and 3 LED blinking		
				

## Sharp Turns

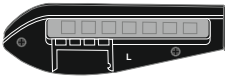
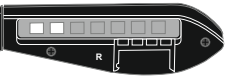
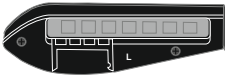
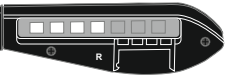
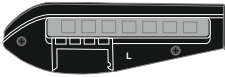
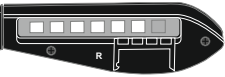

■ LED color: Purple

Signal	Distance	Left LED's	Right LED's
Sharp Left Turn	250 meters		
	150 meters		
	50 meters		
	Immediately (blinking Purple light)	  All LED blink right to left direction	
Sharp Right Turn	250 meters		
	150 meters		
	50 meters		
	Immediately (blinking Purple light)	 All LED blink left to right dirction 	



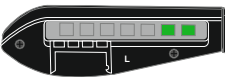
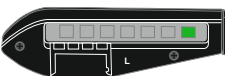
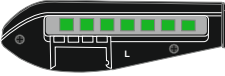
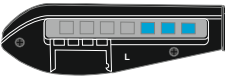
## U Turn

- LED color: White

Signal	Distance	Left LED's	Right LED's
U- Turn	250 meters		
	150 meters		
	50 meters		
	Immediately (blinking White light)	 All LED blink left to right direction	

## Destination

- LED color: Green

Signal		
Straight		 two LED will blink for one second  Single LED will blink for 10 second
	When you reach the destination you will have (all the leds turn to green and then only three LED will glow blue)	 All LED will blink 5 times  Inner 3 LEDs should be ON

## OTHER

### Battery Safety

- Use the original battery supplied by MapmyIndia only. The use of any non-original accessories may damage the device, in which case we will assume no repair liabilities for such damages.
- Avoid contacts with metal objects as they may cause short circuits on battery contacts.
- Do not remove the cover of the battery.
- Do not soak the battery in water or expose it to fire.
- It is forbidden to use batteries that are deformed, discolored, spilled, or package-damaged. If such an exception, such as over-temperature, deformation, discoloration, spillage, etc., occurs during use, charging, or storage of the battery, please stop using the device immediately and contact the aftersales center for a replacement.
- It is forbidden to dismantle, or modify, or change (in any other method other than stated) the battery

### Support

For any support issue call +91-9999-333-223 or mail at [vtsupport@mapmyindia.com](mailto:vtsupport@mapmyindia.com). Kindly keep your Nav Id handy(it can be scanned by the bar code on the device.

or MMI ID which is available inside the box.



## Warranty Terms

### Terms and Conditions of Limited Warranty:

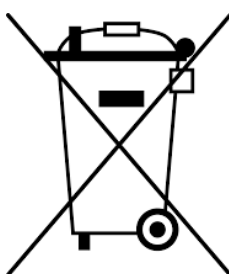
- I. This warranty is applicable within India only.
- ii. This warranty card along with the original proof of purchase and/or original invoice must be presented to the service staff when requesting service and or repair
- .iii. The warranty extends only against manufacturing defects and/ or failure of its mechanical and/ or electrical components for a period of 1year from the date of purchase wherein the warranty card is duly filled and stamped.
- iv. The warranty does not extend to any product that has been damaged and/ or rendered defective:
  - a. As a result of accidents and/ or misuse and/or abuse;
  - b. As a result of an act of God;
  - c. By operation outside the usage parameters stated in the product's user's manual;
  - d. By the use of parts not manufactured and/or sold by the authorized manufacture;
  - e. By modification of the product;
  - f. As a result of service other than CE Info Systems Ltd.
- v. The warranty card shall be rendered invalid if found to be altered and/or defaced.
- vi. The warranty shall immediately cease and shall be rendered void in the event the product is found to have been tampered and/ or modified and/or the serial number defaced and/ or removed and/ or repaired by an unauthorized person and/or entity.
- vii. This warranty shall be subject to following limitations and/ or exclusions and shall not apply to:
  - a. Malfunctions and/or damages and/ or defects as a result of exposure to fire and water;
  - b. Malfunctions and/or damages and/ or defects as a result of using wrong electrical supply wrong and/or duplicate electrical gadgets such as charger, etc.
  - c. Dealer's display and/or showroom sets.

## Warranty Terms

- d. Commercial and/or industrial use
- e. Dismantling of the device for repairs and or repairs by an unauthorized person and or entity
- f. Demonstration on use of appliance and/or product
- g. Accessories such as but not limited to car charger, wall charger, mount, battery USB cable and any free gift items
- h. Parts subject to normal and inevitable wear and tear of fuses seals diaphragm knobs, rubber parts, etc.
- i. Non-conformance to the warranty to company's satisfaction, based on examination
- j. Damages caused by discs, magnetic tapes and/or any other related equipments
- viii. This warranty extends only to you, the original purchaser it is non-transferable
- ix. Except as expressly set forth in this warranty, "Out of warranty" products shall be repaired upon services at the manufacturers service center The purchaser shall be required to pay for the expenses of transportation of the product including the courier expenses arising there from
- x. Makes no other warranties, expressed and/ or implied, including any implied warranties and or merchantability and fitness for a particular purpose. CE Info Systems Ltd expressly disclaims a not stated in this limited warranty. Any implied warranties that may be imposed by law are limited to the terms of this express limited warranty

## Safety and Usage Information

- Use only MapmyIndia approved accessories
  - Handle and dispose batteries and chargers with care
1. Use only MapmyIndia approved batteries and chargers, these are specially designed for your device. Incompatible batteries and chargers may cause serious injuries or damages to your device
  2. Never place batteries or devices on fire or in heating devices, such as microwave ovens, stoves, or radiators, Batteries may explode when overheated
  3. Correct disposal of batteries of device



4. (Waste Electrical and Electronic Equipment Directive Applicable in the European Union and other European countries with separate battery return systems.) This symbol in the manual indicates that this product and its accessories (such as chargers, batteries and USB cable) should not be disposed of with other household wastes when they reach the end of their life
- If batteries are not properly disposed of, these wastes may cause harm to human health and the environment. To prevent the harm, please dispose of or recycle them separately from other waste to boost

### Support Details

For questions and technical support  
 E-mail : [vtsupport@mapmyindia.com](mailto:vtsupport@mapmyindia.com)  
 Contact : +91-9999-333-223

Learn more about  
Navisor



**MAPPLS**  
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For questions and technical support

E-mail: [vtsupport@mapmyindia.com](mailto:vtsupport@mapmyindia.com)

Contact: +91-9999-333-223

website: [about.mappls.com](http://about.mappls.com)

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