

EMOVE<sup>®</sup>

# Bluetooth Adaptor

Control your EMOVE via our “My EMOVE” app



# Intention For Use

Thank you for purchasing this EMOVE Bluetooth Adapter from Leisurewize. This Bluetooth adaptor is designed to connect to the control box of your EMOVE caravan manoeuvring system or the Finding Level mover so that you can control the mover from the EMOVE's dedicated smartphone app that is available on both iOS (version 7.0 and above) and Android (version 4.3 and above).

*Please note, this product is not suitable for expanding a 4 motor twin axle manoeuvring system.*

**BEFORE INSTALLING THIS PRODUCT, WE HIGHLY RECOMMEND THAT YOU READ THROUGH ALL THE INFORMATION IN THIS DOCUMENT. PLEASE KEEP THIS DOCUMENT FOR FUTURE REFERENCE.**

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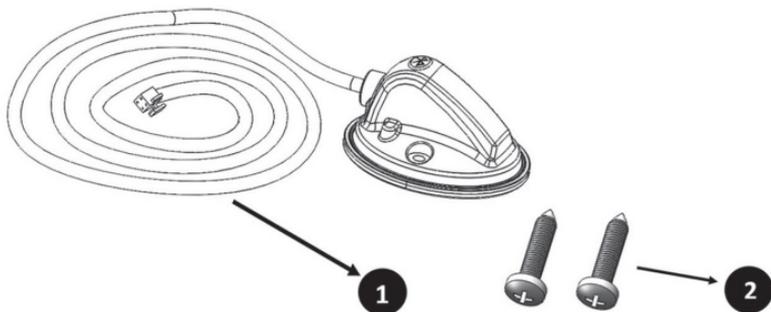
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## Health & Safety Guidelines

- Read this user manual carefully before installation and use.
- Failure to comply with these guidelines could result in serious injury or damage to property.
- Make sure that the smartphone or tablet's system software conforms to the minimum requirements as specified in the Technical Specifications section of this document.
- Make sure that your smartphone or tablet's system software is up-to-date.
- Make sure that your smartphone or tablet is without any damage.
- Damaged screens or units can have a big influence on the function of the remote handset App. No warranty claim will be accepted and we cannot guarantee the function of the system if the smartphone or tablet is damaged. We will not be liable for any damage whatsoever caused as a result of using the remote handset App on a damaged smartphone or tablet.
- Only use accessories that are supplied or recommended by the manufacturer.
- Stop operating the app/manoeuvring system immediately if you are in doubt about the assembly or any procedures and consult one of our engineers (Please refer to contact information on the last page of this manual).
- Practice operating the manoeuvring system in an open area before going on your caravan holiday. This allows you to fully familiarise yourself with the remote handset App / handset / manoeuvring system.
- Before use, always check your smartphone or tablet for any damage.
- Always ensure that children and pets are kept a good distance away from the caravan during operation.
- In the rare event of a malfunction, enable the handbrake immediately and turn off the main isolation power switch.
- To maintain signal strength, always make sure that, during use, the distance between the remote control and the caravan does not exceed 5 metres.
- Due to the nature of a remote signal, it may get obstructed by external terrain or objects. So there may be small areas around the caravan where the quality of reception reduces, hence the manoeuvring system may stop momentarily.
- Do not make any modifications on the system (mechanical or electronically). No warranty claim will be accepted and we cannot guarantee the function of the system if any modifications are made. We will not be liable for any damage whatsoever caused as a result of incorrect installation, operation or modification.

## Product Elements



## Bluetooth Adaptor Installation Instructions

**IMPORTANT:** TO INSTALL THIS BLUETOOTH ADAPTOR, PLEASE SEEK ASSISTANCE FROM A QUALIFIED ENGINEER. THESE INSTRUCTIONS ARE FOR GENERAL GUIDANCE ONLY AS THE INSTALLATION PROCEDURE MAY VARY DEPENDING ON CARAVAN TYPE.

**WARNING:** WORKING UNDER A VEHICLE WITHOUT THE APPROPRIATE SUPPORT IS EXTREMELY DANGEROUS.

*Prior to installation, you need to ensure that the control box of your EMOVE has been installed by a qualified engineer.*

1. First, park up your caravan that has been fitted with your EMOVER on a solid, level surface. Then use a lifting ramp to safely access the installed control box.
2. Unpack all the components and check for the presence of all parts (product elements).
3. With the supplied screws, the Bluetooth adaptor should be mounted on the outside of the caravan to ensure your smartphone can receive a Bluetooth signal right around the caravan. Figure 1 shows how the adaptor should be mounted using the supplied screws.

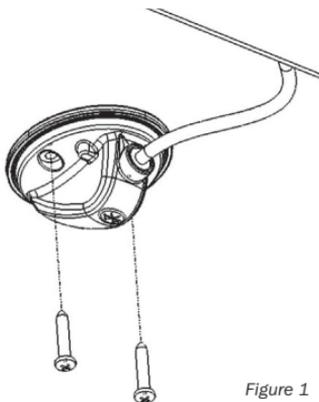


Figure 1

- With the Bluetooth adapter mounted, carefully route the cable along the underside of the caravan floor via inside the trunking (if possible) as this will protect the cable from sharp edges and dirt. Connect the cable into the designated Bluetooth socket as shown in Figure 2.

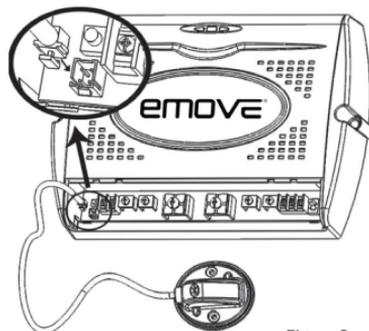


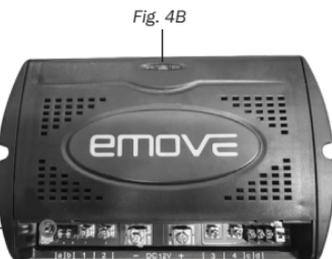
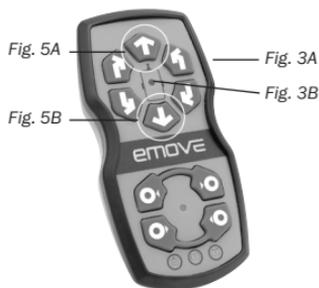
Figure 2

## Syncing Your Handset to the EMOVE Motherboard

**IMPORTANT: PRIOR TO LINKING THE BLUETOOTH ADAPTOR TO YOUR SMARTPHONE, YOU MUST FIRST LINK THE CONTROL BOX TO THE SUPPLIED REMOTE CONTROL AS THIS WILL ENABLE THE APP TO REPLICATE THE HANDSET'S CONTROLS. BY SKIPPING THIS KEY STEP, THE SMARTPHONE APP WILL NOT BE ABLE TO CONTROL THE EMOVE.**

*Please follow the instructions below:*

- Turn on the remote control handset by sliding the switch on the side of the handset (Fig. 3A) to "On". The green LED on the remote control handset (Fig. 3-B) starts to flash slowly.
- Press the reset button (Fig. 4A) on the control unit. All three LED lights on the control unit (Fig. 4B) will flash slowly.
- Press both the forward (Fig. 5-A) and reverse (Fig. 5-B) buttons on the remote control handset for about 3 seconds. The handset's buzzer will give a short beep to confirm that the synchronisation is complete.
- After successful synchronisation, the green LED on the control unit and on the remote control handset will illuminate continuously.



**FOR QUAD SYSTEMS ONLY** Repeat this procedure with the second electronic control unit. Turn the remote handset "Off" and then "On" again so both control units will be activated.

Fig. 4A

## App Installation Instructions

1. Download and install the free “My Emove” app by going to either the Apple store or Google Play store (depending on your device’s operating system) and search for the “My EMOVE” app.



## Linking the Manoeuvring System to the App

1. Switch on manoeuvring system via the battery power isolation switch.
2. Press the reset button on the control box. A beep will sound.
3. Prior to loading up the app on your smartphone, ensure your smartphone’s Bluetooth has been enabled.
4. Open the app. On doing so for the first time, you will be prompted to allow Bluetooth connectivity on the app. Please allow for Bluetooth connectivity (Figure 6).

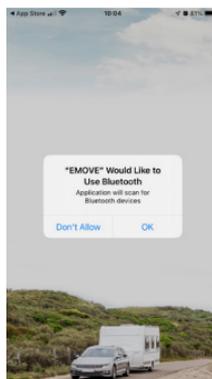


Figure 6

5. Then, you will be taken to a screen where it will ask you to search for a nearby EMOVE Bluetooth Adaptor. Press Search (Figure 7).



Figure 7

6. Once your EMOVE Bluetooth Adaptor has been found, it will appear under the name “BOLUTEK”.
7. Once you've paired with the Bluetooth device, you will be taken to a screen where you can select your EMOVE model (Figure 8).
8. On selecting your device, you will be taken to the model's control panel.

*Please note, the above steps must be followed when first using the product. After successful synchronisation, you do not have to repeat the above steps. Just turn on the battery power isolation switch of the manoeuvring system, open the App and turn on the Bluetooth option (if applicable). The App will automatically enter the operating screen without asking you to select the Bluetooth connection and motor mover system again.*

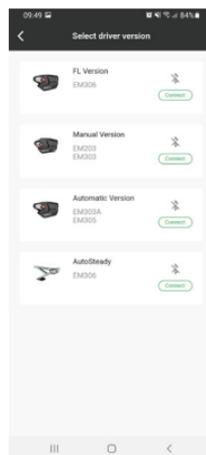


Figure 8

## Operating Instructions

Figure 9 below shows the control panel for EM203 & EM303.

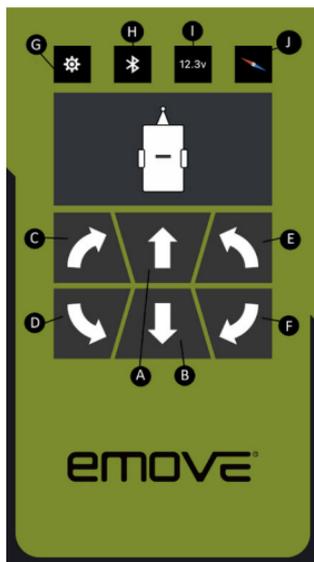


Figure 9

- A. Forwards button:** both wheels rotate in forwards direction.
- B. Reverse button:** both wheels rotate in reverse direction.
- C. Right forwards button:** left wheel rotates in forwards direction.
- D. Right reverse button:** left wheel rotates in reverse direction.
- E. Left forwards button:** right wheel rotates in forwards direction.
- F. Left reverse button:** right wheel rotates in reverse direction.
- G. Settings:** goes to the setting menu.
- H. Bluetooth status:** when the Bluetooth icon is displayed as static, it indicates that the app is connected to the adaptor. If the icon is flashing, it indicates that it is in the process of connecting.
- I. Voltage reading:** displays the battery's voltage reading.
- J. Compass button:** goes to the compass.

## Basic Manoeuvring

When manoeuvring straight forward or reverse (press button A or B), it is also possible to adjust the direction by pressing button C or E (when driving forwards) or button D or F (when driving in reverse).

In addition, the 'Left forwards' (E) and 'Right reverse' (D) buttons or 'Right forwards' (C) and 'Left reverse' (F) buttons may be pressed at the same time to turn the caravan around on its own axis without moving forward or backward (this function will only work under the "single-axle function").

When you switch direction within 2 seconds (i.e. from forward driving to reverse driving and vice versa), a small delay of 1 second will occur to protect the electronics and the motors.

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## Receiving Incoming Calls

While using the App, your smartphone will always remain available for incoming calls and messages etc. Once the screen of your smartphone or tablet is used by another App and you return to the My EMOVE App, please allow for a few moments for the app to reconnect to the Bluetooth Adaptor.

While the app is reconnecting, you will notice that the Bluetooth Status icon is flashing and the control panel buttons are greyed out (see Figure 10). You will notice the screen being covered by the EMOVE logo as well (Figure 11). If you see the EMOVE logo screen, simply swipe up to go back to the control panel.

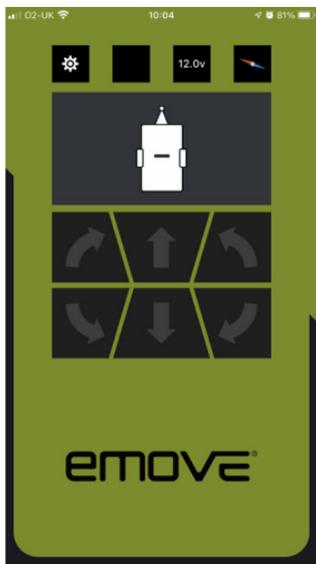


Figure 10



Figure 11

## Compass

The App includes a compass function (Figure 12). Press the compass icon in the up right corner of the screen and the compass will appear on the screen. The compass utilises your smartphone's GPS

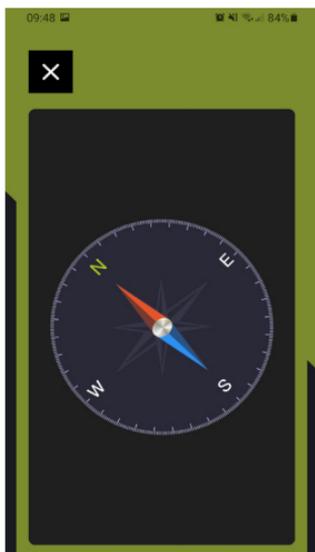


Figure 12

## Operating Instructions - EM303A/EM305 - Automatic Motor Movers

Figure 13 below shows the control panel for EM303A/EM305.

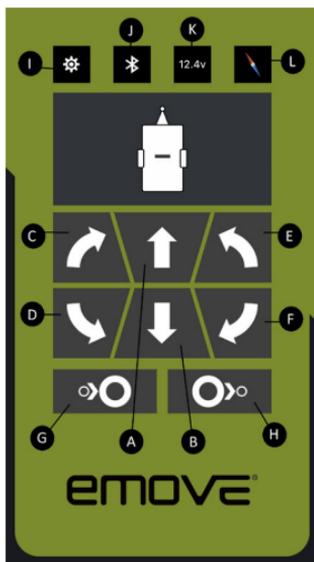


Figure 13

- A. Forwards button:** both wheels rotate in forwards direction.
- B. Reverse button:** both wheels rotate in reverse direction.
- C. Right forwards button:** left wheel rotates in forwards direction.
- D. Right reverse button:** left wheel rotates in reverse direction.
- E. Left forwards button:** right wheel rotates in forwards direction.
- F. Left reverse button:** right wheel rotates in reverse direction.
- G. Automatic engage:** engages the motor powered rollers to the tyre.
- H. Automatic disengaging button & icon\*:** auto disengages the motor powered rollers from the tyre.
- I. Settings:** goes to the setting menu.
- J. Bluetooth status:** when the Bluetooth icon is displayed as static, it indicates that the app is connected to the adaptor. If the icon is flashing, it indicates that it is in the process of connecting.
- K. Voltage reading:** displays the battery's voltage reading.
- L. Compass button:** goes to the compass.

## Basic Manoeuvring

When manoeuvring straight forward or reverse (press button A or B), it is also possible to adjust the direction by pressing button C or E (when driving forwards) or button D or F (when driving in reverse).

In addition, the 'Left forwards' (E) and 'Right reverse' (D) buttons or 'Right forwards' (C) and 'Left reverse' (F) buttons may be pressed at the same time to turn the caravan around on its own axis without moving forward or backward (this function will only work under the "single-axle function").

When you switch direction within 2 seconds (i.e. from forward driving to reverse driving and vice versa), a small delay of 1 second will occur to protect the electronics and the motors.

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## Operating Automatic Engagement

To activate the automatic engaging system of the motor powered rollers on the tyre, press the G button for engaging and H button for disengaging. Please allow 3 seconds for manoeuvring to commence for either engage or disengage.

**Engaging:** During engage, the app's display will show the roller engage icon. This will appear on the display until the rollers are firmly pressed against the tyre. Once engaged, the system is ready to use.

**Disengaging:** During disengage, the app's display will show the roller disengage icon. This will appear on the display until the rollers have fully disengaged from firmly pressed against the tyre. The H button will illuminate red until the rollers are fully disengaged from the tyre. Once disengaged, you will NOT be able to move your caravan.

After finishing maneuvering, touch the "back key" (android users) twice or "home button" (iOS users) once to exit.

**IMPORTANT: The standard remote control handset which is supplied with your manoeuvring system still can be used. However, only one remote control (either standard remote or App remote control) can be used at a time.**

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## Receiving Incoming Calls

While using the App, your smartphone will always remain available for incoming calls and messages etc. Once the screen of your smartphone or tablet is used by another App and you return to the My EMOVE App, please allow for a few moments for the app to reconnect to the Bluetooth Adaptor.

While the app is reconnecting, you will notice that the Bluetooth Status icon is flashing and the control panel buttons are greyed out (Figure 14). You will notice the screen being covered by the EMOVE logo as well (Figure 15). If you see the EMOVE logo screen, simply swipe up to go back to the control panel.

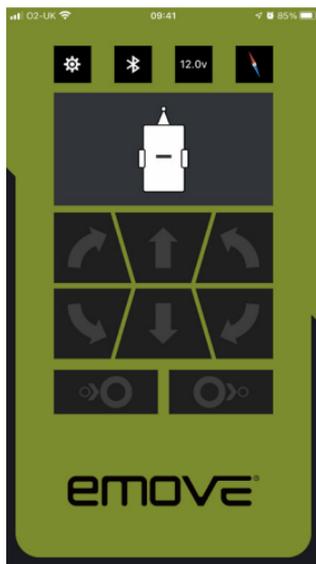


Figure 14



Figure 15

## Compass

The App includes a compass function (Figure 16). Press the compass icon in the up right corner of the screen and the compass will appear on the screen. The compass utilises your smartphone's GPS.

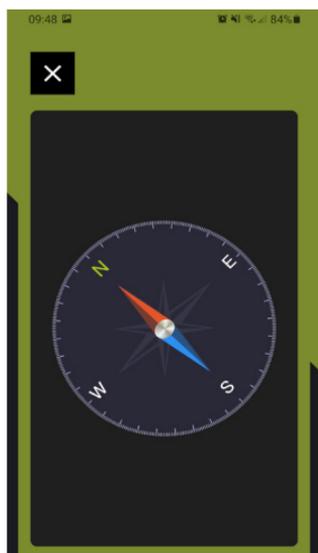


Figure 16

## Operating Instructions - EM306 - Finding Level

Figure 17 below shows the main control panel for EM306.

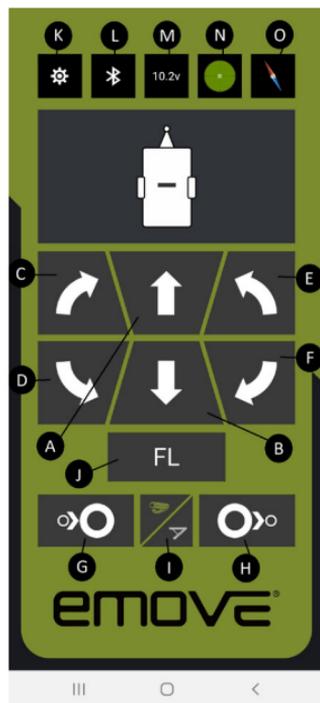


Figure 17

- A. Forwards button:** both wheels rotate in forwards direction.
- B. Reverse button:** both wheels rotate in reverse direction.
- C. Right forwards button:** left wheel rotates in forwards direction.
- D. Right reverse button:** left wheel rotates in reverse direction.
- E. Left forwards button:** right wheel rotates in forwards direction.
- F. Left reverse button:** right wheel rotates in reverse direction.
- G. Automatic engage:** auto engages the motor powered rollers to the tyre.
- H. Automatic disengaging:** auto disengages the motor powered rollers from the tyre.
- I. Corner steadies/mover button:** switches between motor mover control panel and corner steady control panel.
- J. Finding level:** automatically levels the caravan.
- K. Settings:** goes to the setting menu.
- L. Bluetooth status:** when the Bluetooth icon is displayed as static, it indicates that the app is connected to the adaptor. If the icon is flashing, it indicates that it is in the process of connecting.
- M. Voltage reading:** displays the battery's voltage reading.
- N. Spirit level:** This shows the spirit level of your caravan. If the white spot is in the middle, this means that the caravan is completely level.
- O. Compass button:** goes to the compass.

## Basic Manoeuvring

When manoeuvring straight forward or reverse (press button A or B), it is also possible to adjust the direction by pressing button C or E (when driving forwards) or button D or F (when driving in reverse).

In addition, the 'Left forwards' (E) and 'Right reverse' (D) buttons or 'Right forwards' (C) and 'Left reverse' (F) buttons may be pressed at the same time to turn the caravan around on its own axis without moving forward or backward (this function will only work under the "single-axle function").

When you switch direction within 2 seconds (i.e. from forward driving to reverse driving and vice versa), a small delay of 1 second will occur to protect the electronics and the motors.

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## Operating Automatic Engagement

To activate the automatic engaging system of the motor powered rollers on the tyre, press the G button for engaging and H button for disengaging. Please allow for 3 seconds for manoeuvring to commence either engage or disengage.

**Engaging:** During engage, the app's display will show the roller engage icon. This will appear on the display until the rollers are firmly pressed against the tyre. Once engaged, the system is ready to use.

**Disengaging:** During disengage, the app's display will show the roller disengage icon. This will appear on the display until the rollers have fully disengaged from firmly pressed against the tyre. The H button will illuminate red until the rollers are fully disengaged from the tyre. Once disengaged, you will not be able to move your caravan.

After finishing manoeuvring, touch the "back key" (android users) twice or "home button" (iOS users) once to exit.

**IMPORTANT: The standard remote control handset which is supplied with your manoeuvring system still can be used. However, only one remote control (either standard remote or App remote control) can be used at a time.**

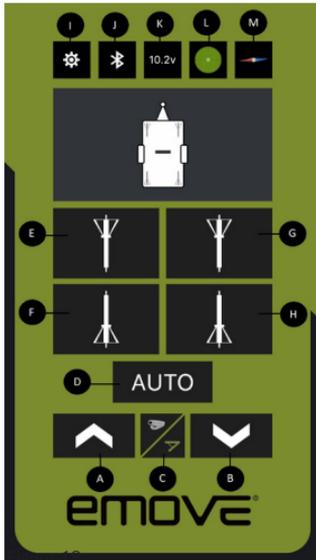
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## Finding Level

On pressing the Finding Level button, it will automatically level your caravan. The Finding Level utilises the app's spirit level to help ensure your caravan is steady and even.

## Auto Corner Steady Functionality

Figure 18 below shows the corner steady control panel for EM306.



- A. Upwards button:** Sets the direction of the corner steady (steadies) to go up
- B. Downwards button:** Sets the direction of the corner steady (steadies) to go down
- C. Corner steadies/mover button:** switches between motor mover control panel and corner steady control panel
- D. Auto button:** Auto adjusts the corner steadies to go upwards/downwards
- E. Front left corner steady button:** Adjusts only the front left corner steady.
- F. Back left corner steady button:** Adjusts only the back left corner steady.
- G. Front right corner steady button:** Adjusts only the front right corner steady.
- H. Back right corner steady button:** Adjusts only the back right corner steady.
- I. Settings:** goes to the setting menu.
- J. Bluetooth status:** when the Bluetooth icon is displayed as static, it indicates that the app is connected to the adaptor. If the icon is flashing, it indicates that it is in the process of connecting.
- K. Voltage reading:** displays the battery's voltage reading.
- L. Spirit level:** This shows the spirit level of your caravan. If the white spot is in the middle, this means that the caravan is completely level.
- M. Compass button:** goes to the compass.

## Adjusting Each Corner Steady

To adjust a corner steady individually, first choose whether you want to adjust the corner steady upwards or downwards. If you are adjusting the corner steady upwards, press the Upwards button (A). To adjust the corner steady downwards, press the Downwards button (B).

Then, select the corner steady you want to adjust (see below). This will enable you to adjust the corner steady to move upwards/downwards depending on the setting that you have chosen.

**E. Front left corner steady button:** Adjusts only the front left corner steady.

**F. Back left corner steady button:** Adjusts only the back left corner steady.

**G. Front right corner steady button:** Adjust only the front right corner steady.

**H. Back right corner steady button:** Adjusts only the back right corner steady.

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## Auto Adjust All Corner Steadies

To adjust all the corner steadies at the same time, first choose whether you want to adjust the corner steady upwards or downwards. If you are adjusting the corner steady upwards, press the Upwards button (A). To adjust the corner steady downwards, press the Downwards button (B).

Then, press the Auto button (D). This will enable all the corner steadies to move upwards/downwards, depending on the setting that you have chosen.

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## Receiving Incoming Calls

While using the App, your smartphone will always remain available for incoming calls and messages etc. Once the screen of your smartphone or tablet is used by another App and you return to the My EMOVE App, please allow for a few moments for the app to reconnect to the Bluetooth Adaptor.

While the app is reconnecting, you will notice that the Bluetooth Status icon is flashing and the control panel buttons are greyed out (see Figure 19). You will notice the screen being covered by the EMOVE logo as well (Figure 20). If you see the EMOVE logo screen, simply swipe up to go back to the control panel.

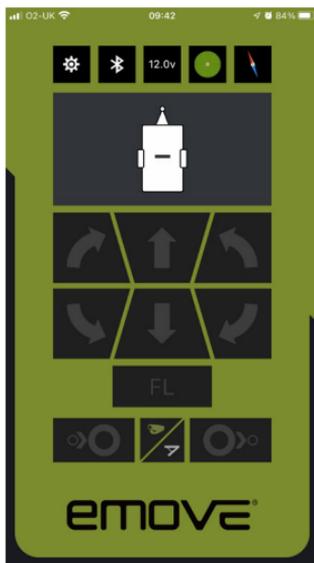


Figure 19



Figure 20

## Compass

The App includes a compass function (Figure 21). Press the compass icon in the up right corner of the screen and the compass will appear on the screen. The compass utilises your smartphone's GPS.



Figure 21

## Spirit Level

The control panel for EM306 has a spirit level that allows you to level your caravan so that it is not slanting. To access the spirit level, select the spirit level button (L), on either the mover control panel or corner steady control panel. This will take you to the spirit level screen (Figure 22). There you can adjust the corner steadies so that it is level.

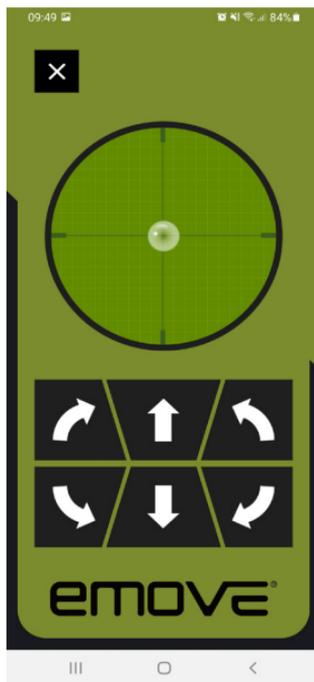


Figure 22

## Operating Instruction - AutoSteady

Figure 23 below shows the corner steady control panel for AutoSteady.

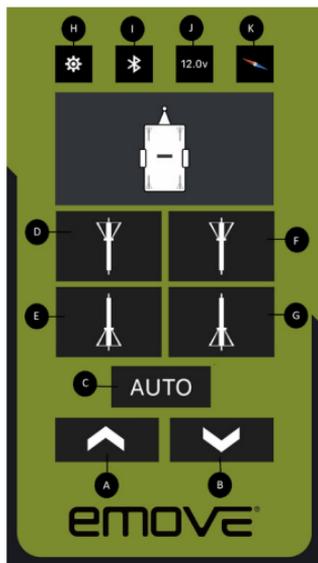


Figure 23

- A. Upwards button:** Sets the direction of the corner steady (steadies) to go up.
- B. Downwards button:** Sets the direction of the corner steady (steadies) to go down.
- C. Auto button:** Auto adjusts the corner steadies to go upwards/downwards.
- D. Front left corner steady button:** Adjusts only the front left corner steady.
- E. Back left corner steady button:** Adjusts only the back left corner steady.
- F. Front right corner steady button:** Adjust only the front right corner steady.
- G. Back right corner steady button:** Adjusts only the back right corner steady.
- H. Settings:** goes to the setting menu.
- I. Bluetooth status:** when the Bluetooth icon is displayed as static, it indicates that the app is connected to the adaptor. If the icon is flashing, it indicates that it is in the process of connecting.
- J. Voltage reading:** displays the battery's voltage reading.
- K. Compass button:** goes to the compass.

## Adjusting Each Corner Steady

To adjust a corner steady individually, first choose whether you want to adjust the corner steady upwards or downwards. If you are adjusting the corner steady upwards, press the Upwards button (A). To adjust the corner steady downwards, press the Downwards button (B).

Then, select the corner steady you want to adjust (see below). This will enable you to adjust the corner steady to move upwards/downwards depending on the setting that you have chosen.

**D. Front left corner steady button:** Adjusts only the front left corner steady.

**E. Back left corner steady button:** Adjusts only the back left corner steady.

**F. Front right corner steady button:** Adjust only the front right corner steady.

**G. Back right corner steady button:** Adjusts only the back right corner steady.

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## Auto Adjust All Corner Steadies

To adjust all the corner steadies at the same time, first choose whether you want to adjust the corner steady upwards or downwards. If you are adjusting the corner steady upwards, press the Upwards button (A). To adjust the corner steady downwards, press the Downwards button (B).

Then, press the Auto button (D). This will enable all the corner steadies to move upwards/downwards, depending on the setting that you have chosen.

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## Receiving Incoming Calls

While using the App, your smartphone will always remain available for incoming calls and messages etc. Once the screen of your smartphone or tablet is used by another App and you return to the My EMOVE App, please allow for a few moments for the app to reconnect to the Bluetooth Adaptor.

While the app is reconnecting, you will notice that the Bluetooth Status icon is flashing and the control panel buttons are greyed out (see Figure 24). You will notice the screen being covered by the EMOVE logo as well (Figure 25). If you see the EMOVE logo screen, simply swipe up to go back to the control panel.

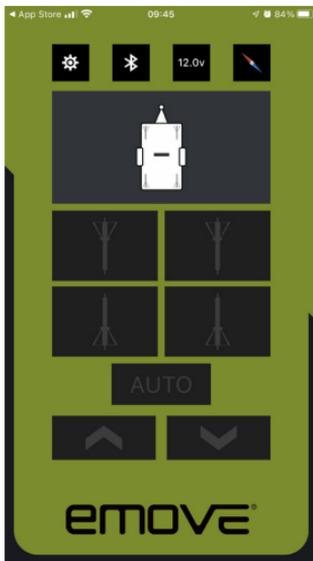


Figure 24



Figure 25

## Compass

The App includes a compass function (Figure 26). Press the compass icon in the up right corner of the screen and the compass will appear on the screen. The compass utilises your smartphone's GPS.

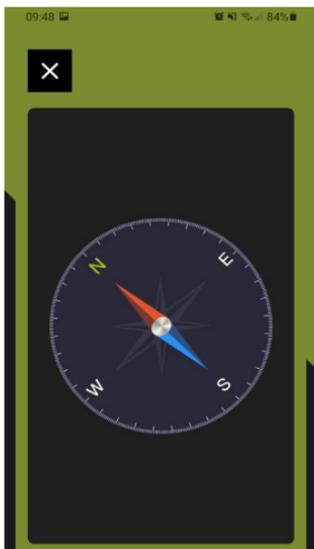


Figure 26

## Settings Menu

On the control panels, there is a settings menu where you can select your language or you can clean up the data, effectively resetting the app. On cleaning up the data, you will see prompt to confirm (Figure 27).

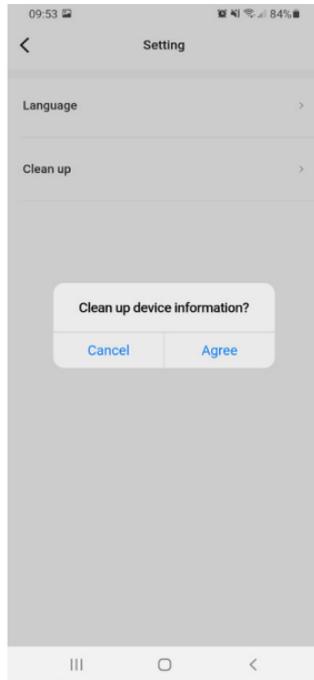


Figure 27

## Maintenance

- Check regularly for software updates. When you have an old version of the “My emove” on your smartphone or tablet, you have to update the software via Apple Store/Google Play Store.
- Make sure that the smartphone or tablet is not damaged. Damaged screens or units can have a big influence on the function of the remote handset App. No warranty claim will be accepted if the smartphone or tablet is damaged.
- We will not be liable for any damage whatsoever caused as a result of using the remote handset App on a damaged smartphone or tablet.

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## Technical Support

If you require any technical support for your product within the warranty period, please contact us on:

[support@streetwiseaccessories.com](mailto:support@streetwiseaccessories.com)

and provide the product name and supplier code (see Technical Specifications) along with the technical query and proof of purchase.

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## Technical Specifications

<b>Product</b>	EMOVE Bluetooth Adaptor
<b>Supplier Code</b>	EMBT
<b>Min. Android OS requirement</b>	Version 4.3 and above
<b>Min. iOS requirement</b>	Version 7.0 and above
<b>Communication</b>	Bluetooth

**EMOVE<sup>®</sup>**

# Bluetooth Adaptor



**Streetwise:** Ashburton Road West,  
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