# PLUG + PLAY
# USER GUIDE

((( elecbrakes

AUSTRALIAN MADE

# CONTENTS

# ABOUT ELECTRIC BRAKE CONTROLLERS

A brake controller, as the name suggests, is a device that controls the braking force on the trailers brakes. It does this by varying its output based on how hard you apply the brakes in the vehicle. This is called proportional braking. The brake controller also allows the user to adjust braking sensitivity and apply manual override which applies trailer brakes only.
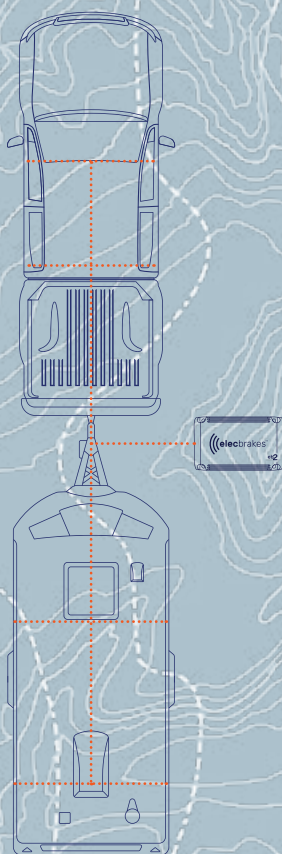
**1** Push the brake pedal in the vehicle or use the manual override.

**2** The Elecbrakes EB2 unit is activated by the brake light voltage. It measures the braking force and applies it to the trailer.

**3** The trailer will brake at the proportional rate provided by the brake controller.
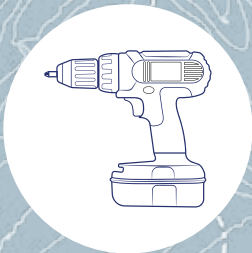
⬦ **IMPORTANT SAFETY NOTE:**

*Depending on the mass of your trailer you may be legally required to use an active braking system. The EB2 can be used for both electric and electric-over-hydraulic braking systems. Reference the ADR38/05 standard for more information.*

📞 **Need help?** Call 1300 516 248

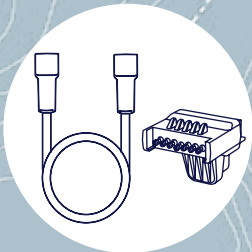**elec**brakes

# WHAT YOU'LL NEED
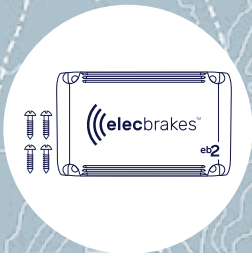
**1**
- Elecbrakes Unit.
- x4 Included Mounting Screws.

**2**
- Drill
- PH2 bit
- 4mm drill bit
  (The use of 4-4.5mm drill may be required if fastening to a high tensile drawbar.)

**3**
- ElecConnect Adaptor.
- Elecbrakes lead.
  *Ensure you select the correct adaptor for your installation*

**4**
- A smart phone device
  Your phone must be either:
  *Apple IOS 15 or later*
  *Android 10 or later*

⚠ **OPTIONAL:**
*If you would prefer not to use the mobile app to control your EB2, you can use our optional remote. Sold separately.*

*For more information on how to use the remote, refer to our Remote User Manual.*

# MOUNTING ORIENTATION

When mounting your unit to your trailer, ensure one of the sides or faces of the unit is mounted parallel to the ground. See examples of the installation options below.
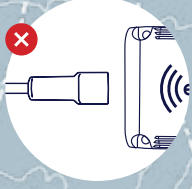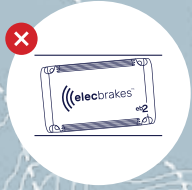
**OPTION 1:**
Side of the draw bar.

**OPTION 2:**
Under the draw bar.

**OPTION 3:**
Top of the draw bar.

⚠ **ANGLE:**
*Avoid mounting the unit on an incline.*

⚠ **CONNECTIVITY:**
*For best connectivity avoid installing behind large metal objects that block line of sight to the tow vehicle. Example: Tool Box.*

⚠ **CABLE:**
*When selecting a mounting point ensure your cable can reach the unit location prior to drilling mounting holes.*

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# HOW TO INSTALL



**1** Fasten the unit to the draw bar using the mounting screws provided.



**2** Connect your unit and adaptor via the ElecConnect leader.



**3** Plug in the ElecConnect adaptor to the trailer plug.



**4** Plug in the ElecConnect adaptor to your tow vehicle's socket.

# TAP + TOW

Our Tap + Tow technology leverages the power of NFC (near field communication) that is embedded in most modern smartphones allowing for seamless device pairing, access to unit diagnostics and providing advanced troubleshooting capabilities all in the palm of your hand.

**1** Start your vehicle and turn your headlights on.

**2** Use our Tap + Tow technology to download the app. Simply tap your phone to the Elecbrakes logo on your brake controller and download the app from the App Store or Play Store.

**3** Tap again on the Elecbrakes logo to pair your unit.
You can also add the Elecbrakes EB2 manually be tapping *'Add Device'*

⚠ **IMPORTANT:**
When using a mobile phone ensure that it is mounted securely in a cradle.

⚠ **IF USING THE ELECBRAKES REMOTE:**
*To connect the Elecbrakes remote, you must first download the Elecbrakes app. Under 'settings' tap "Allow EB Remote". For more information on how to use the remote, refer to our Remote User Manual.*

⚠ **TAP+TOW NOT WORKING?**
*If NFC is not enabled on your smart phone, then the Tap + Tow pairing will not work. Try looking in your phones settings to turn on NFC or alternatively search for the device on the app manually.*

📞 **Need help?** Call 1300 516 248
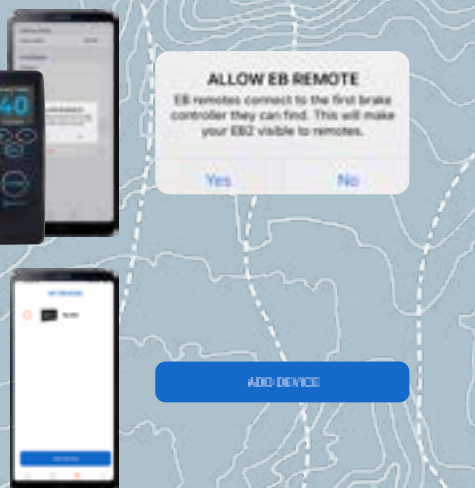
# CHECK YOUR CONNECTION

The EB2 requires a constant power source in order to operate. Turning your vehicles headlights on will activate the tail light circuit providing power to the EB2. Please note the auto (italic) setting in some vehicles will not activate the tail light circuit

**1** Navigate to the home page on the Elecbrakes App.

**2** Put your foot on the brake pedal.

BRAKING

**3** Check that the red circle is now displayed on the app indicating your unit is working correctly.

# SETTING THE FORWARD DIRECTION
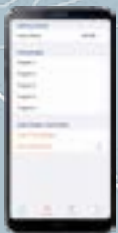


## ⚠ IMPORTANT

*If this is the first time the Elecbrakes EB2 unit is being used, you will need to follow the steps below in order to calibrate the forward direction.*

*During this calibration the Elecbrakes EB2 unit will brake at default settings.*



**1** Drive forward until you reach 40km/h and apply the brakes firmly coming to a full stop.



**DEVICE**

⚙ Angle          180°

**2** Now go to *'Settings'* and tap *'Device'*. You should see a change from auto to an angle between 0° to 360°.

## ⚠ TROUBLESHOOTING:

*If the angle does not appear in the app, repeat step 1 & 2 again prior to troubleshooting*

# ADJUSTING YOUR BRAKES

Once you have confirmed that the installation angle is set, you can adjust your brake response settings. The unit will be set at a default response that will need to be tailored to your towing setup. You can configure different programs, to suit your scenario.

**BRAKING RESPONSE**
Minimum
Forward
Reverse

Your EB2 unit comes with default brake settings. We recommend adjusting your brake response to your specific requirements. To adjust the **minimum**, **forward** and **reverse** response, tap *'settings'* on the app.

**MINIMUM RESPONSE**
10

## MINIMUM RESPONSE

**To set the minimum response**: Drive slowly, approximately 20km/h, and apply the brakes as lightly as you can. The optimal minimum setting is usually when you can just barely feel that the trailer is braking. Experiment with small changes until you are happy with the feel.

**FORWARD RESPONSE**
40

## FORWARD RESPONSE

**To set the forward response:** Drive at 40-50km/h and brake firmly.  The optimal forward setting is when the tow vehicle and trailer brake as one. Experiment with small changes until you are happy with the feel of the forward brake response.

**REVERSE RESPONSE**
10

## REVERSE RESPONSE

**To set the reverse response**: Reverse slowly and apply the brakes. The optimal reverse setting is when the tow vehicle and trailer brake as one. Experiment with small changes until you are happy with the feel of the reverse brake response.

# USING MANUAL OVERRIDE

The manual override function allows you to manually engage the brakes on your trailer, without activating the vehicles brakes. The application of manual override can be used to mitigate trailer sway.

**WHEN TAPPED**

10
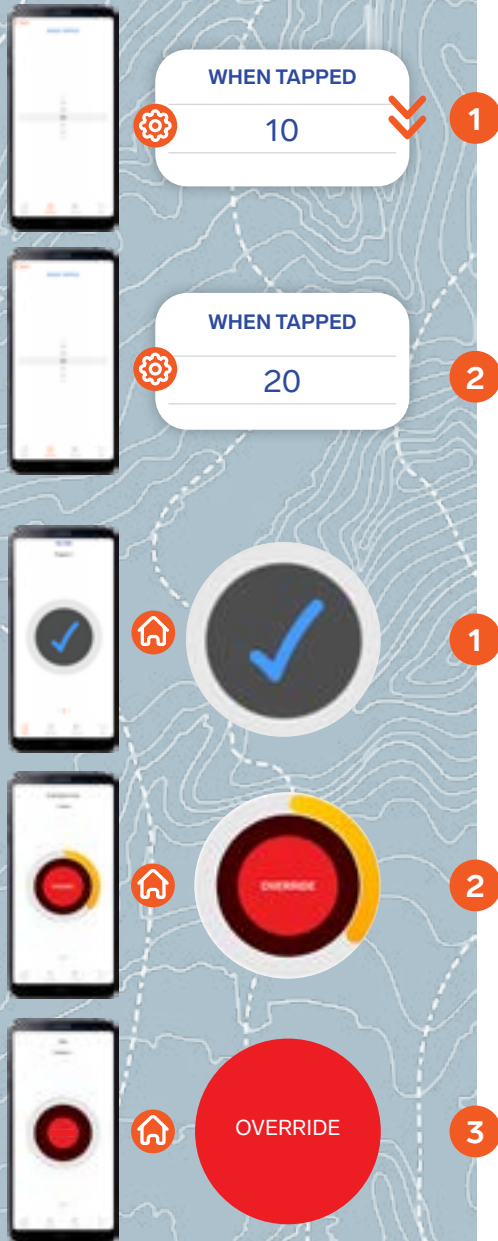
**1** The *'When Tapped'* value controls the manual override brake response. To set the value, select *'When Tapped'* under Override in program screen.

**WHEN TAPPED**

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**2** A good rule of thumb is to start with the *'When Tapped'* value the same as your forward response. From there you can adjust according to your preferences.

### HOW TO USE:

**1** Tap the blue tick on the home page to activate the override.

**2** Hold the red circle to increase braking force if required.

OVERRIDE

**3** Tap the red circle again to deactivate override.

📞 **Need help?** Call 1300 516 248

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# MANAGING PROGRAMS

## HOW TO ADJUST YOUR PROGRAMS:

**You can set up to 5 user defined programs.
These programs are useful for several reasons:**

- Variation in the weight of the trailer
- A change in environment
- Individual user preferences

**CHOOSE PROGRAM**
Empty Trailer
Half Load
Full Trailer

**1** You must be connected to the brake controller to set and activate programs. Navigate to the '*Settings'* page and select a program.

**PROGRAM NAME**
Half Load
Done ×

**2** Rename the program and adjust your brake responses as discussed in section *'Adjusting Your Brakes'* of the user guide.

**EMPTY TRAILER**

**3** Tap *'Home'.* The editted program is now your active program. The program selected appears at the top of the page.

**CHOOSE PROGRAM**
Empty Trailer
Half Load
Full Trailer

**4** To change the program selected, swipe to the right and select your customised program.

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# NEED HELP?

Call our customer service team on
**1300 516 248**

or check out our FAQ page online
**elecbrakes.com/FAQ**