elecbrakes

INSTALLATION GUIDE

Device Dimensions

140.0

128.5

50.0

91.0
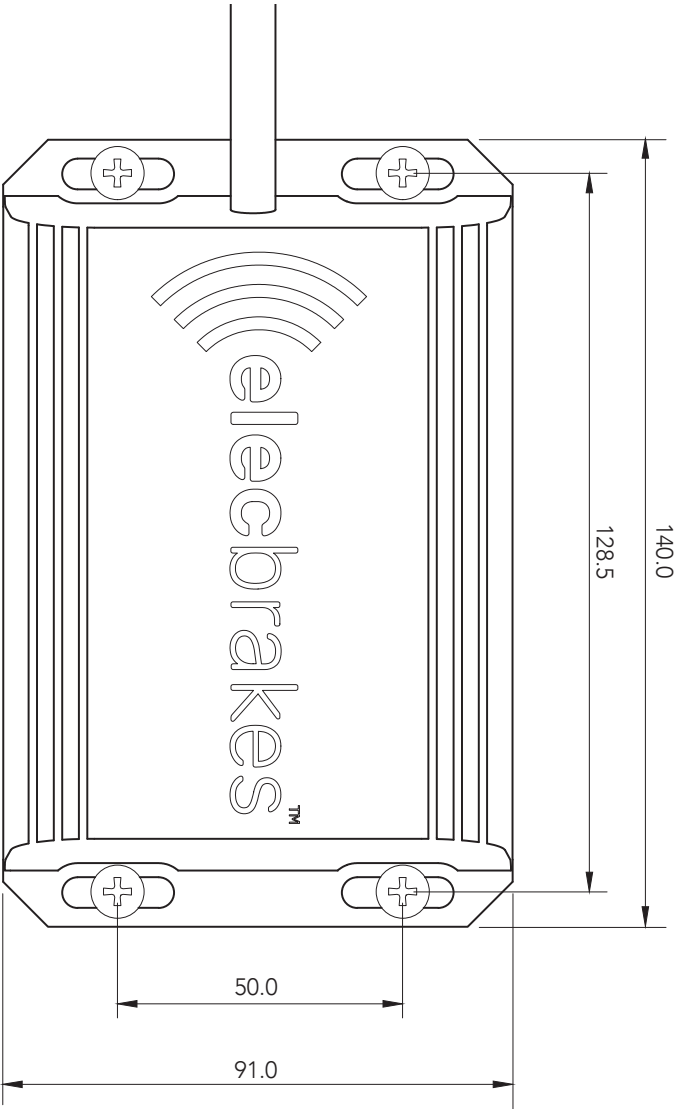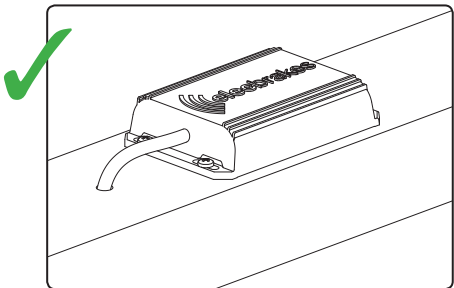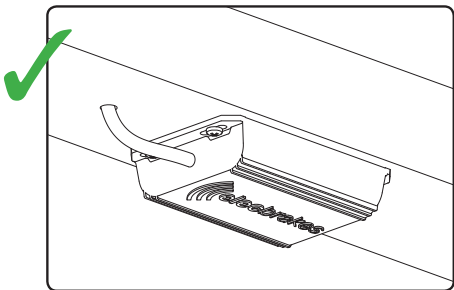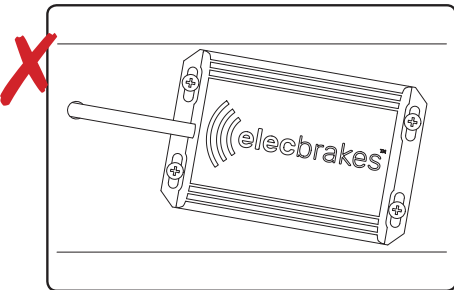
Mounting Orientation
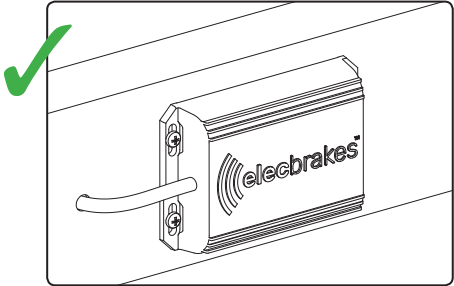
Side face of chassis rails or draw bar

Top face of chassis rails or draw bar

Bottom face of chassis rails or draw bar

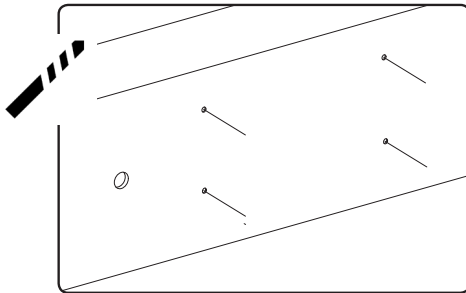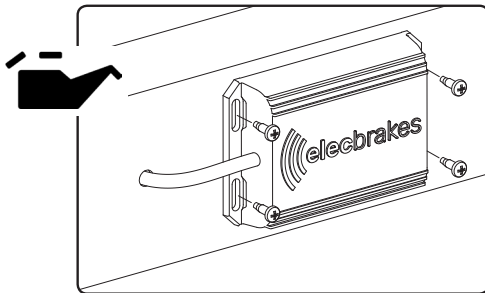Inclined angles or inclined faces

Attaching the unit to the Trailer
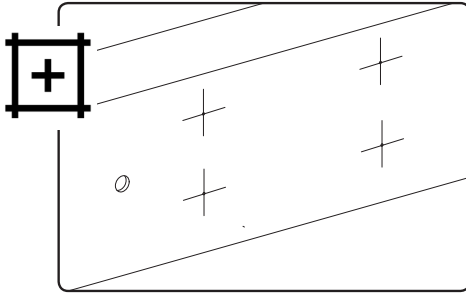
Centre Punch mounting hole location

Pre-drill mounting holes with 2-3mm drill

Apply lubrication to the screws provided to prevent the stainless steel from binding.
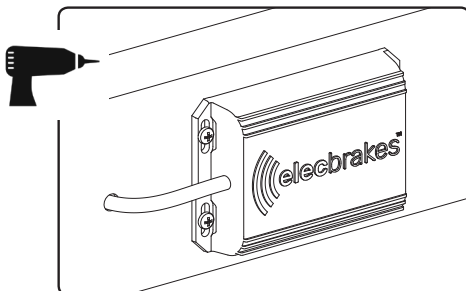
With a No.2 Phillips driver bit, Insert 4x self drilling and taping screws into pre-drilled mounting holes with a cordless drill.
(Recommend Torque 10-12Nm)

Wiring Diagram

Splice Connectors

1 Strip (10-15mm)

2 Crimp (Both Ends)

3 Apply Heat to Solder (Center Section)

4 Apply Heat to Seal (Heat shrink)
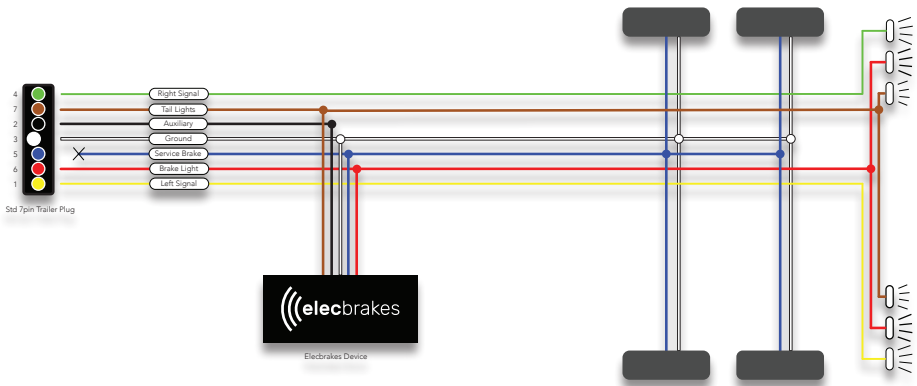
Wiring Notes

- Auxiliary connection is optional, it may be connected to any 12v to 24v constant power source or left unconnected.

- Break away systems may be added to the service brake circuit.

- Elecbrakes is designed to operate 1 to 2 braked axles

Electrical Connections

- Elecbrakes must be connected to trailer wiring circuits as outlined in the wiring diagram.

- The Service Brake circuit must be disconnected from an existing trailer plug. Ensure it is sealed off and cannot create a short circuit with any other wire or the chassis.

- Route the Elecbrakes cable as required, if you internally route the cable through chassis rails, take care to install grommets to prevent cable from chaffing.

- Externally routed Cabling must be securely attached to the trailer and supported every 600mm.

| Circuit	Elecbrake Wire	Trailer Wire	Wire Guage
Earth	White	White	16-14 awg
Tail lights	Brown	Brown	16-14 awg
Brake Lights	Red	Red	16-14 awg
Auxiliary	Black	Back	16-14 awg
Service Brake	Blue	Blue	16-14 awg

Completing Installation

- Download and install the Elecbrakes App on your smart phone from the App Store or Google Play.

- Connect the trailer to the vehicle and attach the electrical connections.

- Turn the vehicles lights on to power up the Elecbrakes unit.

- Launch the App, the App will establish a connection with the Elecbrakes unit.

- To complete the installation, the Elecbrakes unit needs to learn the installation angle, to do so take the trailer for a drive on a straight road, apply vehicle brakes moderately for approx. 4-5 sec, confirm installation angle is set by checking "Settings > Device > Angle" for a value between 0 and 360 degrees.

  Note: Brake Response will begin once calibration has been complete.

Getting Started

- Download and install the ElecBrakes App on your smart phone from the App Store or Google Play.

- Connect trailer and turn lights On to power unit.

- Launch App, the App will establish connection with device.

- Once Connected, the status Indicator will turn red, the name of the Connected Device and Active Program will be displayed

- Operating the Brakes will make the Status Indicators turn bright red.

- Swipe right from Home Screen to select suitable Braking Program for trailers load / driving conditions.

- Swipe left from Home Screen to make adjustments to the Forward Response.
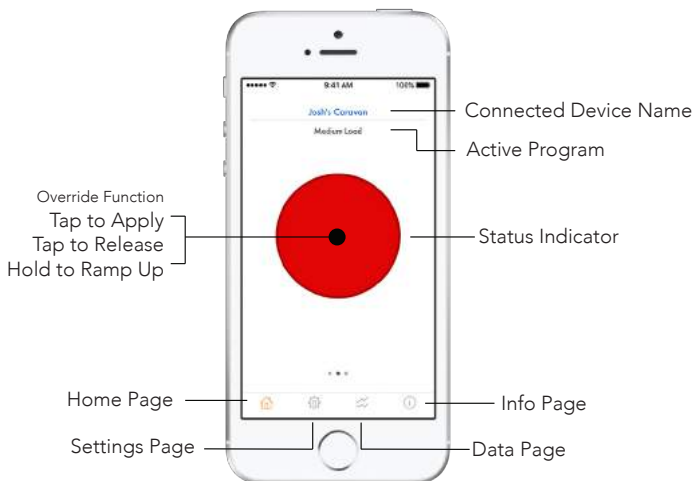
Home Screen

Brake Response Programs

- Elecbrakes has 5x user configurable braking programs.

- The Active program can be changed by swiping right from the home screen, then tapping the desired row to select the appropriate program. The newly selected program is immediately applied.

- Programs can be renamed and fine tuned by navigating to the settings page.

- The programs are saved within the Elecbrakes device, any changes made to programs will be accessible to other users when towing this trailer.

- Programs should be used when the trailer has various significant load conditions (Empty, 1x Horse, 2xHorses, 3xHorses) and or driving situations.

- Programs can be named with meaningful names

- We recommend program 1 is configured for the lightest trailer condition through to program 5 is for the heaviest condition.

Available programs

Current Selection
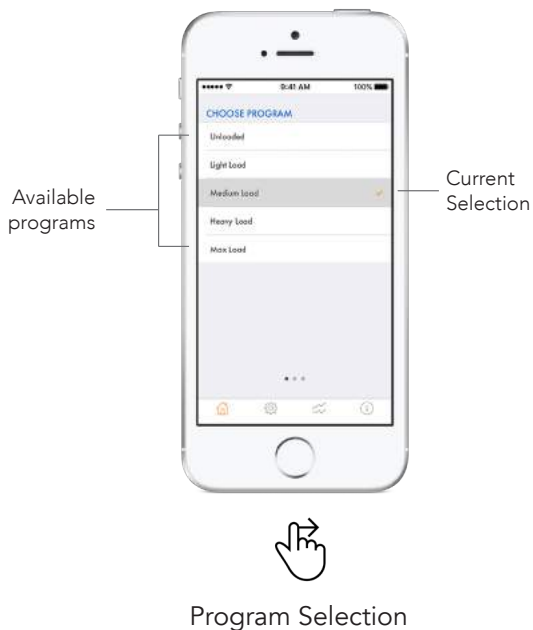
Program Selection

Program Settings

Setting Name	Purpose
Program Name	Friendly Name
Forward Response	Brake Response when traveling in forward direction
Reverse Response	Brake Response when traveling in reverse direction
Minimum Response	Allows for fine tuning initial brake bite
When Tapped	Initial Brake Response when status indicator is tapped

Forward Response

- Elecbrakes has 5x user configurable braking programs.

- Each of the 5x programs have an independent Forward Response setting.

- The Forward Response may be quickly adjusted for the Active program by swiping left from the home screen. Then using the number picker to select an appropriate value.

- Updates to the Forward Response are applied immediately once a new value is selected.

- Any changes made to the Forward Response, either from swiping left from the home screen or changing the program values via the settings page are immediately saved to the Elecbrakes device.

Forward Response
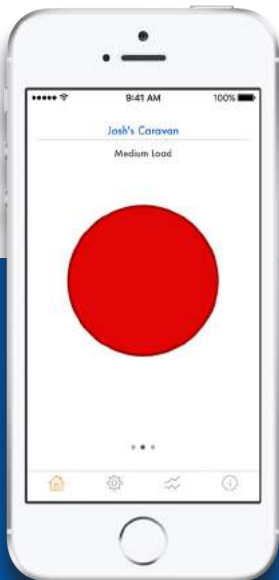
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