Pacbrake Wireless Air Spring Controls give you the ability to adjust your air spring pressure from your phone with the touch of a button. Using Bluetooth connection and the Wireless Air Springs Control App from Pacbrake, spring pressure can be adjusted with real time air pressure feedback. The app features built in memory presets to store and quickly recall desired spring pressures for user convenience.

Product Highlights

- Universal fitment which integrates into any air suspension system
- Compatible with Android^{TM} 4.3+ or Apple^{TM} iOS^{TM} 10.3+ mobile devices
- Three presets for rapid air pressure adjustment
- Real time pressure feedback
- Capable of achieving fill pressures up to 1034 kPa [150 psi]

All information contained in this document is for reference only, subject to change without notice.

90 SERIES ASSEMBLY

- Pre-installed Push-to-Connect air fittings for reduced installation time
- Pre-assembled wiring connectors for plug and play installation
- Mountable in any orientation
- Compressor crankcase mounted or remote mounted air intake filter

Specifications

Maximum Working Pressure	827.4 kPa [120 psi]
Maximum Duty Cycle	9% @ 689.5 kPa [100 psi]
Maximum Continuous Run Time	5 Minutes ON / 55 Minutes OFF
Rated Flow	29 L/min [1.02 CFM] at 0 kPa [0 psi]
Ambient Operating Temperature Range	-40°C to +70°C [-40°F to +158°F]
Ingress Protection	IP54 Compressor with crankcase mounted intake filter
	IP57 Compressor with remote mounted intake filter
	IP67 Electrical Connectors

Nominal Supply Voltage	12 VDC
Maximum Current Draw	11 Amps

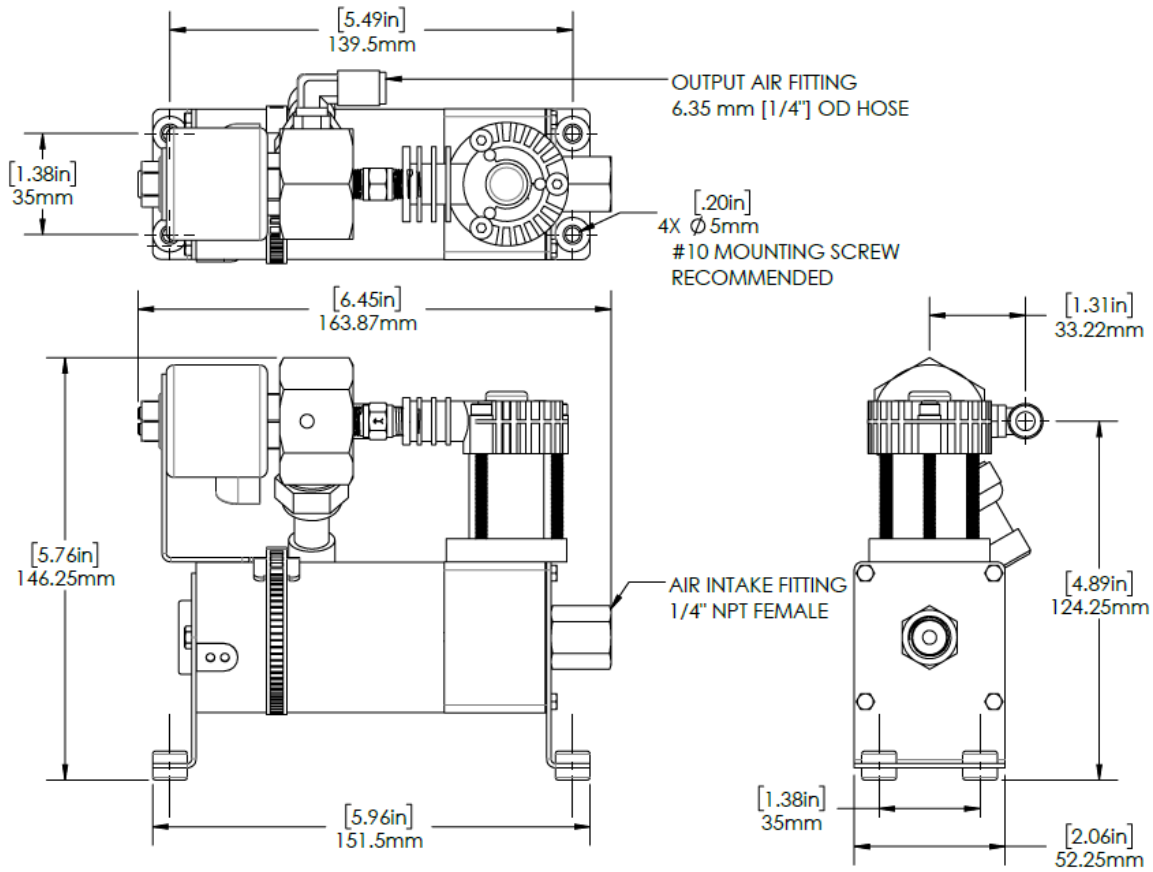|	
Color	Grey
Weight – Base Compressor Assembly	1.09 kg [2.41 lbs]
Weight – Quick Mount Assembly	3.39 kg [7.47 lbs]

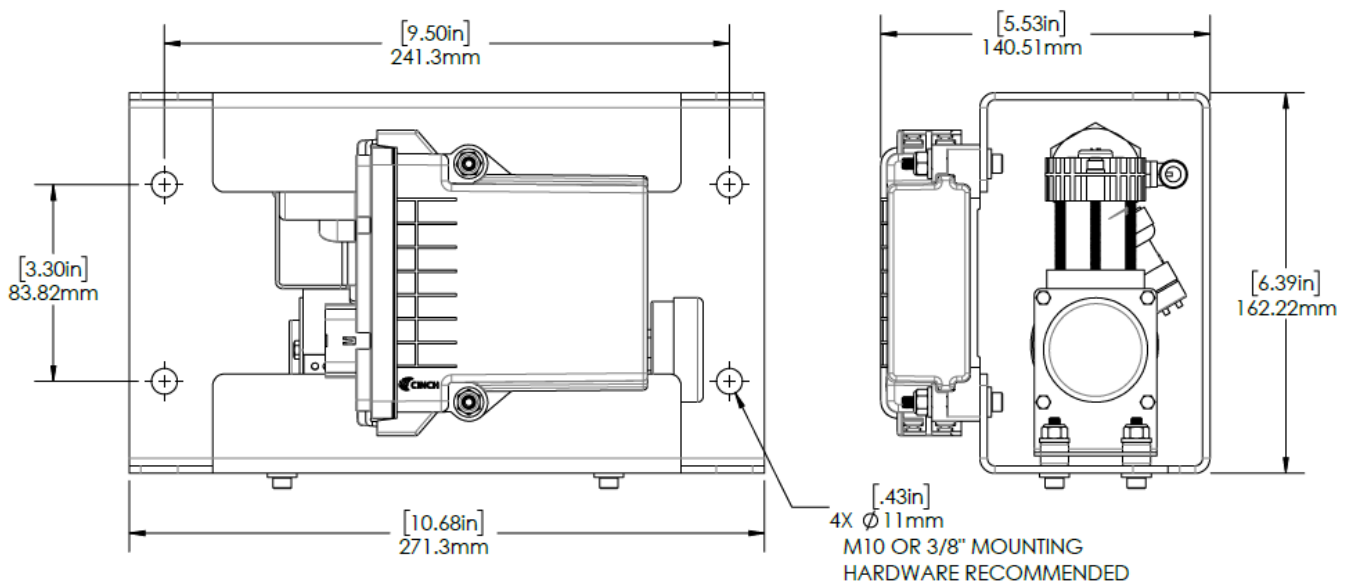| Approximate Inflation Time		
Volume	**0 – 344.7 kPa [0 – 50 psi]**	**0 – 689.5 kPa [0 – 100 psi]**
Sleeve Style Air Springs, 2000 lb Kit	52 seconds	130 seconds
Double Convoluted Air Springs, 5000 lb Kit	56 seconds	135 seconds
Double Convoluted Air Springs, 7500 lb Kit	90 seconds	260 seconds

*All pressures are indicated in "gauge" pressure
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Dimensions – Base Compressor Assembly

[5.49in]
139.5mm

OUTPUT AIR FITTING
6.35 mm [1/4"] OD HOSE

[1.38in]
35mm

[.20in]
4X Ø 5mm
#10 MOUNTING SCREW
RECOMMENDED

[6.45in]
163.87mm

[1.31in]
33.22mm

[5.76in]
146.25mm

AIR INTAKE FITTING
1/4" NPT FEMALE

[4.89in]
124.25mm

[5.96in]
151.5mm

[1.38in]
35mm

[2.06in]
52.25mm

Dimensions – Quick Mount Assembly

[9.50in]
241.3mm

[5.53in]
140.51mm

[3.30in]
83.82mm

[6.39in]
162.22mm

[10.68in]
271.3mm

[.43in]
4X Ø 11mm
M10 OR 3/8" MOUNTING
HARDWARE RECOMMENDED

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325 SERIES ASSEMBLY

- Pre-installed Push-to-Connect air fittings for reduced installation time
- Pre-assembled wiring connectors for plug and play installation
- Mountable in any orientation
- Remote mounted air intake filter

Specifications

Maximum Working Pressure	1034 kPa [150 psi]
Maximum Duty Cycle	33% @ 689.5 kPa [100 psi]
Maximum Continuous Run Time	20 Minutes ON / 40 Minutes OFF
Rated Flow	31.1 L/min [1.1 CFM] at 0 kPa [0 psi]
Ambient Operating Temperature Range	-40°C to +70°C [-40°F to +158°F]
Ingress Protection	IP54 Compressor with remote mounted intake filter
	IP67 Electrical Connectors

Nominal Supply Voltage	12 VDC
Maximum Current Draw	17 Amps

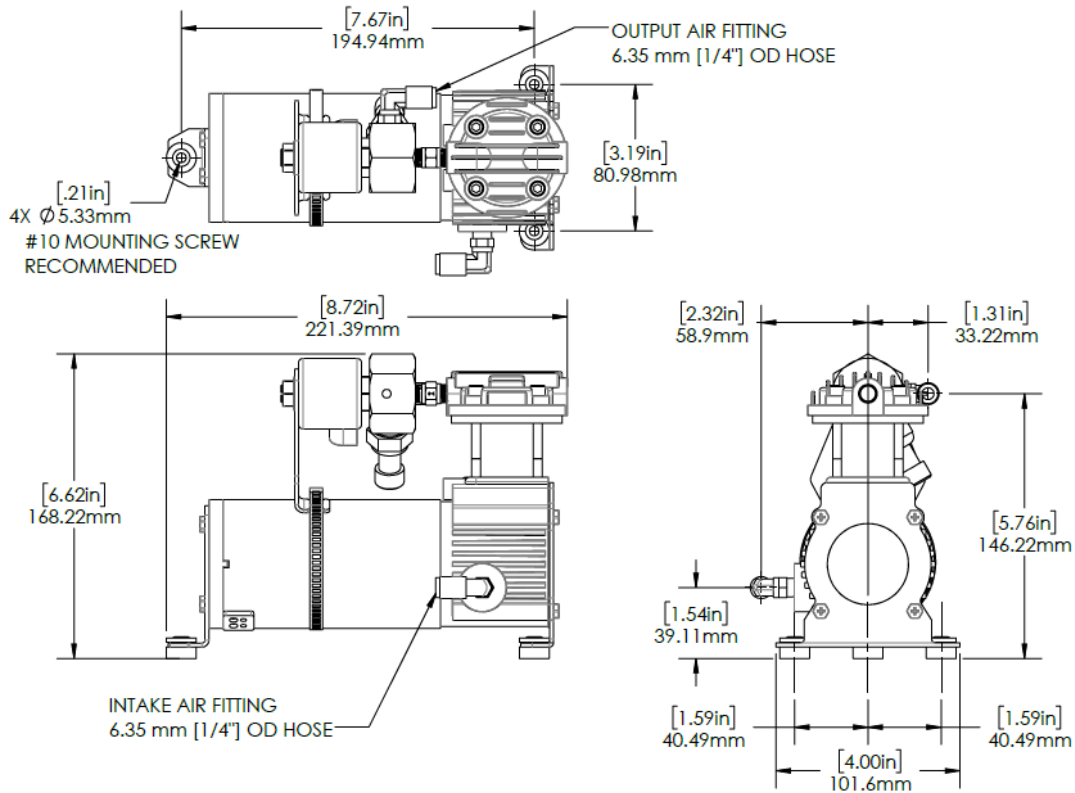|	
Color	Grey
Weight – Base Compressor Assembly	3.38 kg [7.45 lbs]
Weight – Quick Mount Assembly	6.38 kg [14.07 lbs]

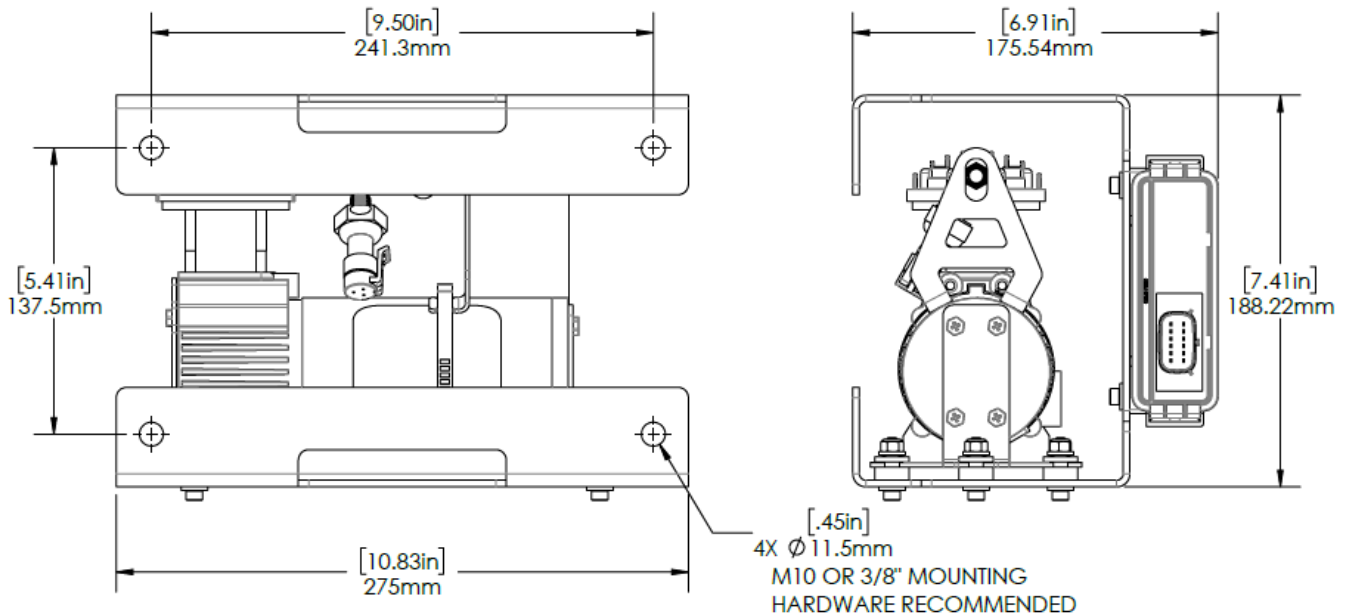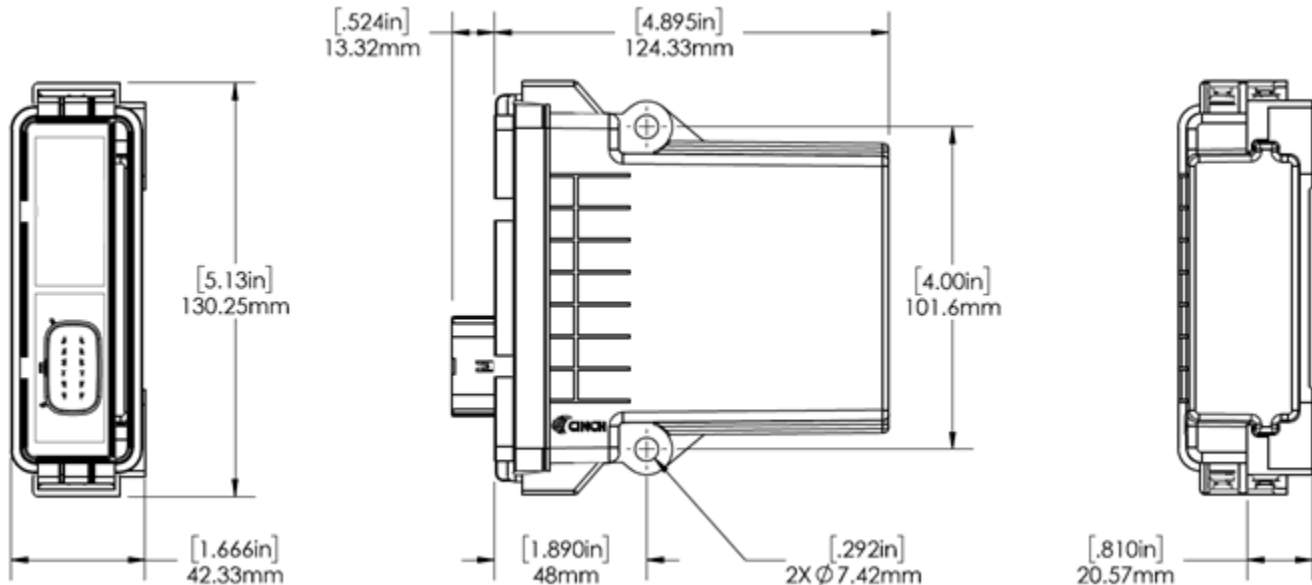| Approximate Inflation Time		
Volume	**0 – 344.7 kPa [0 – 50 psi]**	**0 – 689.5 kPa [0 – 100 psi]**
Sleeve Style Air Springs, 2000 lb Kit	35 seconds	75 seconds
Double Convoluted Air Springs, 5000 lb Kit	45 seconds	95 seconds
Double Convoluted Air Springs, 7500 lb Kit	55 seconds	125 seconds

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Dimensions – Base Compressor Assembly

[7.67in]
194.94mm

OUTPUT AIR FITTING
6.35 mm [1/4"] OD HOSE

[3.19in]
80.98mm

[.21in]
4X Ø5.33mm
#10 MOUNTING SCREW
RECOMMENDED

[8.72in]
221.39mm

[2.32in]
58.9mm

[1.31in]
33.22mm

[6.62in]
168.22mm

[5.76in]
146.22mm

[1.54in]
39.11mm

INTAKE AIR FITTING
6.35 mm [1/4"] OD HOSE

[1.59in]
40.49mm

[1.59in]
40.49mm

[4.00in]
101.6mm

Dimensions – Quick Mount Assembly

[9.50in]
241.3mm

[6.91in]
175.54mm

[5.41in]
137.5mm

[7.41in]
188.22mm

[10.83in]
275mm

[.45in]
4X Ø11.5mm
M10 OR 3/8" MOUNTING
HARDWARE RECOMMENDED

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PACBRAKE®

CONTROLLER

Pacbrake's Wireless Air Controller gives users the ability to control their air spring system from their mobile device. Connection is established via Bluetooth, allowing for system operation without the need for internet or cell service. System control and programming is handled through Pacbrake's Wireless Air Spring Controls App available on Google Play and the App Store™.

- Three programmable memory presets for air pressure settings
- Real time air pressure feedback

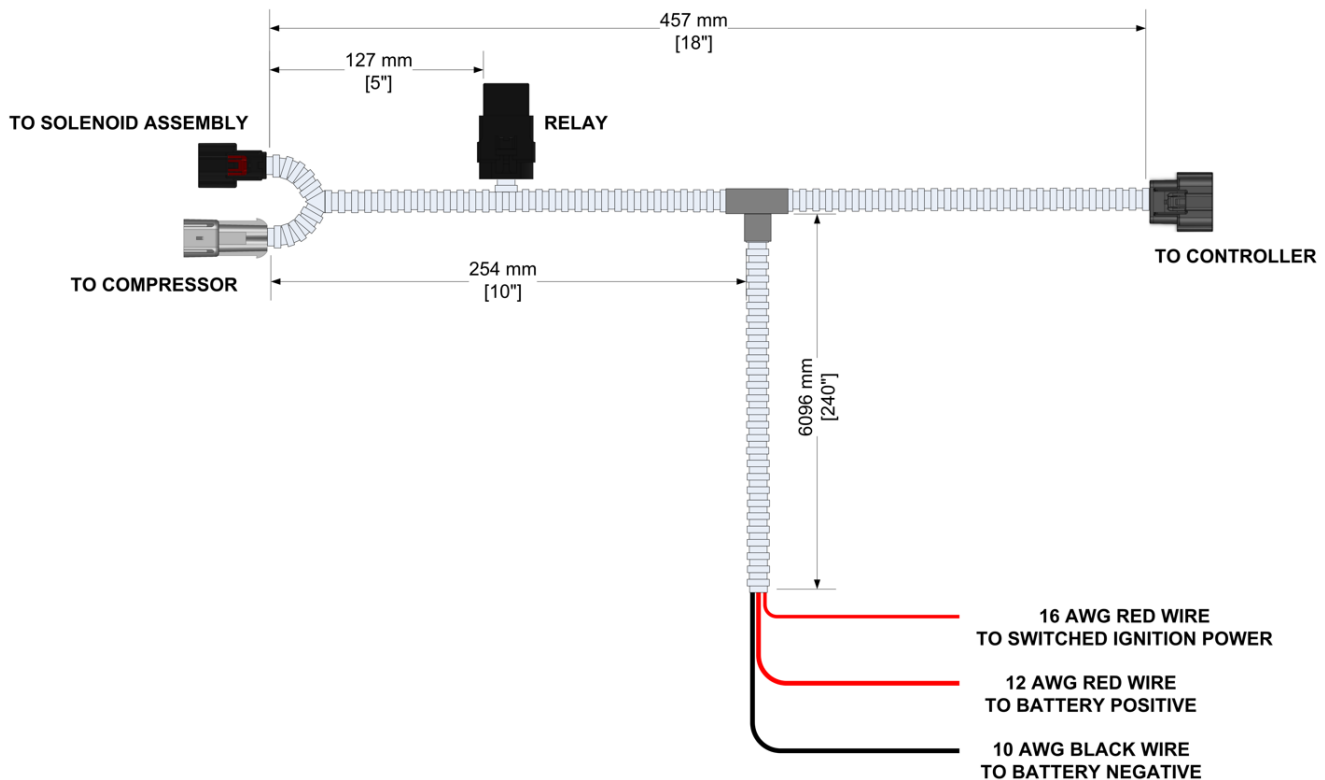| Controller Item	Specification
Controller Voltage	12 VDC (9 to 14 VDC)
Ingress Protection	IP67
Ambient Temperature Range	-40°C to +85°C [-40°F to +185°F]
Vibration	8 G$_{rms}$
Current Consumption, Idle (12 VDC Nominal)	32 mA
Current Consumption, Activation	1.5 A
Pressure Feedback Accuracy	± 6.89 kPa [1 psi]
Mobile Device Operating System	Android 4.3+ (Jellybean) or Apple™ iOS™ 10.3+
Installation Torque	7.91 Nm [70 in-lbf]

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WIRING HARNESS

Common wiring harness compatible with all single channel air control applications. Harness uses sealed connectors for plug and play connection to air compressor assembly and controller. Excess harness length is provided to ensure installation can be achieved independent of compressor and controller mounting location. Only battery power and switched ignition power must be connected for use.

Temperature Rating (Continuous)	-40°C to +105°C [-40°F to +221°F]
Ingress Protection	IP67 Sealed Connectors
Flammability Rating	FT2
RoHS Compliant	Yes
Environmental Resistance	Fuel, oil, and solvent compatible
Wiring	SAE J1128, Tinned Copper Conductor

Harness Item	Specification
Battery Connection Method	Ring Crimp Terminals
Switched Ignition Power Connection Method	T-Tap Connector with Spade Crimp Terminal
Controller Overload Protection	In-Line 10 Amp Mini Fuse
Compressor Overload Protection	In-Line Mini Fuse (Amperage is compressor specific)

If extending wiring harness lengths, individual runs must not extend beyond 10 meters [30 feet] from controller. Use sealed connections and specified wire type & size.

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WIRELESS AIR SPRING CONTROLS APP

Pacbrake's Wireless Air Springs Control App allows users to adjust air spring pressure from their mobile device. The application connects to the Wireless Air Control kit via Bluetooth and is available for download on Google Play and the App Store™. The application is compatible with Android™ 4.3+ or Apple™ iOS™ 10.3+ mobile devices.

Phone not included

Function	Usage
Air Spring Controls	Press and hold Inflation (+) or Deflation (-) to adjust pressure in air springs
Pressure Indicator	Provides real time feedback of air pressure in air springs in PSI
Presets Tab	Press and edit icon to name/save current pressure value as a preset Press and release to recall saved preset pressure
Bluetooth Toggle	Illuminates when successful connection is established Tap to manually connect or disconnect to wireless controller
Help/Settings Button	Press to access app and system settings: • Pressure Units (PSI/kPa) • Channel Mode (Single/Dual) • Pressure Sensor Calibration

Legal

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