BEFORE YOU BEGIN

**WARNING** Read and follow installation manual carefully. Failure to do so could result in damage to the brake controller unit, loss of trailer brakes or poor brake performance.

- The vehicle must have +12V, ground and turn signals connected to the 7-way socket. Brake output to the 7-way socket is not required.
- See ‘Vehicle-Specific Requirements’.
- An existing aftermarket or factory brake controller will not function if Echo brake controller is installed.
- No special wiring or connectors are required for use.
- Echo Smart Control **IS NOT** compatible with Apple CarPlay or Android Auto. However, it will not interfere with these features.
- Echo is designed to provide a Bluetooth connection, without obstruction, up to 50 ft. Connection may also be limited by the Bluetooth signal of your phone.

**WARNING** Avoid distracted driving. Only make adjustments when the vehicle is stationary.

**WARNING** Do not mount the Echo® near the exhaust pipe. Failure to do so may result in heat damage, loss of functionality and risk of fire.

**NOTICE** Prior to driving, test all trailer lights while the trailer is plugged into the Echo®.

VEHICLE-SPECIFIC REQUIREMENTS

**NOTICE** If your vehicle comes with a trailering app or towing prep package, it may be necessary to activate a tow / haul mode using a push button or in-dash screen menu. This allows power at the 7-way connector of the vehicle.

See the vehicle owner’s manual to enable this feature.

- The Echo brake controller uses the 7-way connector’s +12V connection to power the brakes, and it shares this power with the trailer. Ensure the fuse for this connection is rated for 30 amps. See the vehicle owner’s manual to determine the fuse location.

  *If the LED on the Echo does not light when plugged into the 7-way connector, the +12V power pin may not have power from the vehicle. Visit a CURT authorized installer to install a power wire to the battery.*

- If the phone application cannot connect to the Echo due to an incorrect or missing PIN, contact CURT Product Support. They will need the serial number located on the label of your Echo brake controller.

- Clean and store the Echo in a safe, dry place when not in use. We recommend applying dielectric grease to the terminals.

Some vehicles may require a trailer to be connected to detect a load and activate the +12V power.

Consult the vehicle owner's manual for vehicle-specific details or contact CURT Product Support if you are having trouble diagnosing the issue. Known vehicle-specific requirements are listed below:

**Ford F-150 (2018 to Current)**

- Requires tow / haul mode activation and / or load detection on 7-way before the +12V output is activated on the 7-way connector. Activate tow mode and connect trailer before attempting Bluetooth connection to the Echo. The LED on the Echo must be on.

**Ford F-150 (15 - 17)**

- These vehicles may turn off the +12V output to the 7-way connector when in park or during gear shifting, making the existing vehicle wiring incompatible with the Echo. To use Echo with these vehicles, visit a CURT authorized installer to install a power wire to the battery.
INITIAL SETUP FOR BLUETOOTH CONNECTION

**NOTICE** The vehicle needs to be running or the ignition in the 'ON' position with the vehicle in park.

**NOTICE** At any moment during setup, if the LED on the Echo® is red, stop and refer to the 'Troubleshooting Guide'.

1. Enable Bluetooth in your mobile device settings.

**NOTICE** **DO NOT** pair the Echo® through your phone’s Bluetooth menu. Bluetooth connection will be done through the app in step 3.

2. Once the Echo® is inserted into the vehicle's 7-way the LED will flash blue. The Echo® is now ready to pair with the mobile application.

3. Launch the app and scan for the Echo®. Once the 'Echo® Brake Controller' is visible, select it. You will then be prompted to enter the six-digit PIN, found under the cap of the brake controller unit or on the provided quick reference card. Once pairing is complete, the LED light will be solid blue.

4. Plug the trailer's 7-way connector into the Echo® brake controller while parked on a level surface. The LED light on the Echo® will flash yellow for five to eight seconds while calibration occurs. Once the device is calibrated the LED will turn solid green.
APPLICATION SETUP
After pairing with the Echo®, you will be directed to the 'Towing Profiles' screen to setup your trailer’s profile. You can create and save profiles for multiple vehicles, trailers and load conditions.

Note: Setting configuration is required when trailer conditions change or the brake controller is being used for a different trailer or vehicle.

Within the ‘Towing Profiles’ screen, there are two different profiles menus for you to access.

1. Controller Profile
   - In this menu, you can access the five most recently used settings. These settings are stored within the Echo device. This option allows you or others who borrow your Echo to access pre-configured tow settings quickly and easily.
   - Your active profile will display at the top of the menu (1A)

2. Application Profile
   - In this menu, you can create an unlimited number of vehicle trailer profiles. These profiles are stored within the app on your phone.

ADDING A PROFILE
1. On the ‘Controller Profiles’ menu, select the empty ‘Current Profile’ seat at the top of the menu.
2. Name the profile with descriptive information about the trailer you’re towing.
3. Click ‘Done’ to confirm. You will then be directed to the ‘Active Profiles’ menu to begin set-up and adjustment.
4. You are also able to modify an existing trailer name by swiping left on the profile.
5. Repeat steps 1 – 3 for additional trailers (up to five saved on the device).

ACTIVATING A PROFILE
1. Click on a profile you would like to activate.
2. Follow the screen prompt by selecting ‘Ok’.
3. The profile you selected is now the active ‘Current Profile’.

DELETING A PROFILE
1. In the ‘Application Profiles’ menu, select the profile you would like to delete.
2. Swipe left to open menu option.
3. Select ‘Delete’ to remove.
CONFIGURING PROFILE SETTINGS
In your 'Active Profile' screen you can adjust settings.

1. Manual Brake Activation
Activate manual braking, press and hold the orange button.

Manual brake controller activation is used in situations where a slow reduction in speed is desirable. As the manual control is activated, the Echo® begins to apply the trailer brakes. Manual output can be activated by pressing and holding the orange button in the app.

2. Brake Output Indicator
The blue ring indicates current brake output level.

The blue ring is a visual indicator of the current level of power being applied to the trailer brakes. When the vehicle's brakes are fully applied, the level of power and position of the ring is determined by your Max Output setting.

3. Max Output
The maximum level of the brake controller.

The output control establishes the max amount of power available to the trailer brakes when braking. The output should be adjusted during initial setup, when trailer load changes, when different trailers are used or when adjustment is needed for changing road or driving conditions.

4. Sensitivity Level
The sensitivity of the braking power.

The sensitivity level adjusts trailer aggressiveness when activated during braking. Sensitivity adjustment has no effect on the manual brake controller. The sensitivity can be adjusted for individual driver preference, trailer load changes or changing road conditions.

5. Vehicle Hazard Lights
Turn on any time the vehicle's hazard lights are active.

When the vehicle's hazard lights are activated, the trailer brakes may pulse on and off as the lights flash. To prevent this from happening, toggle the switch on any time the vehicle's hazard lights are active.

6. Screen Theme
Change from light to dark.

Under the 'Settings' menu, the option to change for day or night driving situations or application preference is available.
TEST DRIVE & ADJUSTMENT

Both the output and sensitivity can be adjusted to achieve smooth, firm stops. Output and sensitivity adjustments should only be made while stopped, with the transmission in park or neutral, parking brake applied, foot off the brake pedal, and no manual control actuation. Note: Perform the adjustments in a safe environment with minimal vehicle traffic.

Starting with the output adjustment, drive forward on a dry and level paved or concrete surface. At approximately 25 mph, apply the vehicle's brakes. If trailer braking is insufficient, increase the max output setting in the brake controller application. If the trailer brakes lock up, decrease the max output. Repeat this process until stops are firm, just short of lock up.

Once the output is set, adjust the sensitivity by driving forward at approximately 25 mph and press the brake pedal. The vehicle and trailer should make a smooth stop. If the stop seems slow and more aggressive braking is desired, increase the sensitivity level through the brake controller application. If the stop seems too aggressive, decrease the sensitivity level in the application.

Make several stops at various speeds and adjust the sensitivity until stops are smooth and firm. Slight adjustment to the output control may also be desirable. Note: If any problems occur during setup, refer to the 'Troubleshooting Guide' on the last page of this manual.

LED STATUS INDICATOR

A single LED on top of the Echo® shows the status of the brake controller unit. Refer to the icons and descriptions below.

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flashing blue</td>
<td>Device not paired, no trailer connected</td>
</tr>
<tr>
<td>Solid blue</td>
<td>Device paired, no trailer connected</td>
</tr>
<tr>
<td>Flashing yellow</td>
<td>Calibrating Echo</td>
</tr>
<tr>
<td>Flashing green</td>
<td>Device not paired, trailer connected</td>
</tr>
<tr>
<td>Solid green</td>
<td>Device paired, trailer connected</td>
</tr>
<tr>
<td>Flashing red</td>
<td>Wiring error</td>
</tr>
<tr>
<td>Solid red</td>
<td>Hardware fault</td>
</tr>
<tr>
<td>No light on</td>
<td></td>
</tr>
</tbody>
</table>
CONDITION NOTIFICATIONS

NOTICE
Bluetooth connection has been lost
Echo is still functioning on last saved setting

Reconnect

WARNING
Electrical overload
Trailer brakes are not currently functioning properly
Trailer wiring inspection recommended

DANGER
Trailer 7-way has become disconnected from the vehicle
Safely stop the vehicle and reinstall connections
After connection is restored, application will reactivate

NOTICE
If a communication error occurs between the mobile application and the brake controller, the 'Manual Brake Activation', 'Max Output' and 'Sensitivity Level' cannot be adjusted and condition notifications from the brake controller will not be sent. The brake controller will continue to function properly at the most recently programmed settings and braking operation will not be affected.

WARNING
If the Echo® detects an overload to the trailer brakes a warning will pop up on your screen. Safely stop the vehicle, disconnect and reconnect the trailer 7-way. If the message reappears, a trailer wiring inspection is recommended.

DANGER
If the trailer 7-way has become disconnected from the vehicle a warning will pop up on your screen. Safely stop the vehicle and reinstall your connection. Once connections has been restored, the application will resume with the most recently programmed settings.
## TROUBLESHOOTING GUIDE

<table>
<thead>
<tr>
<th>Condition</th>
<th>Problem Cause</th>
<th>Possible Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED does not light</td>
<td>No power to brake controller, no ground on vehicle 7-way</td>
<td>Check vehicle power and ground wiring&lt;br&gt;Trailer mode not activated for vehicle&lt;br&gt;Vehicle requires trailer to activate 7-way power</td>
</tr>
<tr>
<td>Unable to connect to mobile devices</td>
<td>No power to brake controller, no ground on vehicle 7-way&lt;br&gt;Invalid Bluetooth PIN</td>
<td>Check Echo LED status for power&lt;br&gt;Input PIN from label or quick reference card&lt;br&gt;Enable Bluetooth or grant permissions&lt;br&gt;Check smartphone compatibility</td>
</tr>
<tr>
<td>Solid red LED for more than 10 seconds</td>
<td>Hardware fault</td>
<td>Contact CURT Product Support</td>
</tr>
<tr>
<td>Flashing red LED</td>
<td>Contamination in trailer plug socket</td>
<td>Check for clean and dry trailer plug</td>
</tr>
<tr>
<td></td>
<td>Short in trailer brake wiring</td>
<td>Locate and correct short</td>
</tr>
<tr>
<td></td>
<td>Accelerometer error</td>
<td>Unplug the brake controller and plug it back in</td>
</tr>
<tr>
<td></td>
<td>Short or overload in trailer brakes</td>
<td>Troubleshoot trailer brake circuit per brake manufacturer’s instructions</td>
</tr>
<tr>
<td>No trailer brakes, pedal or manual</td>
<td>Mis-wired 7-way connector&lt;br&gt;Improper or corroded trailer wiring&lt;br&gt;Weak or missing ground</td>
<td>Confirm vehicle and trailer 7-way connections</td>
</tr>
<tr>
<td>No trailer brakes, pedal or manual</td>
<td>Loss of trailer connection, unplugged or bad wiring</td>
<td>Confirm vehicle and trailer 7-way connections</td>
</tr>
<tr>
<td>(device notification of error)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No response on manual override or brake output</td>
<td>Mis-wired 7-way connector&lt;br&gt;Improper or corroded trailer wiring&lt;br&gt;No or intermittent power to brake controller&lt;br&gt;Weak or missing ground&lt;br&gt;Wireless connectivity error</td>
<td>Confirm vehicle and trailer 7-way connections&lt;br&gt;Check Bluetooth and application settings</td>
</tr>
<tr>
<td>Reduced braking power on manual override or brake output</td>
<td>Weak or missing ground&lt;br&gt;Improper max power or sensitivity settings&lt;br&gt;Improper or corroded trailer wiring</td>
<td>Confirm vehicle and trailer 7-way connections&lt;br&gt;Check Bluetooth and application settings&lt;br&gt;Increase max power or sensitivity settings</td>
</tr>
<tr>
<td>Trailer brakes on all the time</td>
<td>Mis-wired 7-way trailer connector</td>
<td>Confirm vehicle and trailer 7-way connections</td>
</tr>
<tr>
<td>(LED shows red)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>App signals ‘low voltage’</td>
<td>Low battery voltage</td>
<td>Check vehicle battery and replace if needed&lt;br&gt;Confirm vehicle 7-way connections and wiring</td>
</tr>
<tr>
<td>App signals a 'disconnect'</td>
<td>Trailer connector is disconnected</td>
<td>Reconnect the trailer connector&lt;br&gt;Confirm vehicle 7-way connections and wiring</td>
</tr>
<tr>
<td>App signals ‘overload’</td>
<td>Trailer brakes are overloaded</td>
<td>Reconnect the trailer connector&lt;br&gt;Confirm vehicle 7-way connections and wiring&lt;br&gt;Check trailer brake wiring for short circuits</td>
</tr>
</tbody>
</table>

## PRODUCT REGISTRATION

CURT Group stands behind our products with industry-leading warranties.<br>Provide feedback and help us to improve our products by registering your purchase at warranty.curtgroup.com/surveys

## LET US KNOW WHAT YOU THINK!

Share the love and your experience with Echo by leaving a review on curtmg.com/51180.

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