



## COMPATIBILITY GUIDELINES

### Trailer Brake Controllers for Tow Assist

#### Aftermarket Trailer Brake Controllers

##### Time Based Controllers

These are typically the low-cost brake controller options with limited braking control and diagnostics. Although they will still brake the trailer, they are not as effective as inertia based controllers. The Tow Assist system can work with a timed-based controller, however this brake control is not optimized and will likely result in increased activation of the ABS system. **Dexter recommends that an inertia based controller is used with the Tow Assist system, NOT time-based brake controllers.**

##### Inertia Based Controllers

The majority of controllers on the market offer an inertia sensor as control. This allows the sensor to base its braking control level on the tow vehicles stopping inertia. Therefore, lighter braking on the vehicle will not result in heavy braking on the trailer. Matching of braking levels on the trailer and tow vehicle are achieved more easily, resulting in a more effective and comfortable stopping.

Dexter has sought to test with as many of the available after market inertia based brake controllers as possible, to ensure compatibility of the trailer brake controller operation with the Tow Assist system. This guideline outlines the controllers which have been tested and the resulting compatibility.

##### Vehicle Integrated Trailer Brake Controllers

Typically vehicle integrated controllers have more advanced brake control and diagnostics. Inertia is often the main brake control parameter. Additional signals such as vehicle ABS active, driver braking level and vehicle brake modeling can be used to further adjust the brake signal level.

If the electric brake controller is not satisfied with the Tow Assist internal load simulator, an external simulated load can be switched on to the brake circuit by the Tow Assist and installed by the user.

**BRAKE CONTROLLER AND VEHICLE MANUFACTURERS TYPICALLY UPDATE SOFTWARE AND HARDWARE AS ISSUES ARE FOUND, OR AS NEW FUNCTIONALITY IS ADDED. THESE UPDATES ARE NOT OPENLY PUBLISHED. AS NEW BRAKE CONTROLLERS ENTER THE MARKET OR CHANGES ARE DISCOVERED, DEXTER WILL TEST THEM FOR COMPATIBILITY AND UPDATE THESE GUIDELINES. END USERS THAT UTILIZE A CONTROLLER NOT VERIFIED ON THIS GUIDELINE ARE RESPONSIBLE FOR VERIFYING COMPATIBILITY.**

#### Aftermarket Trailer Brake Controller Compatibility\*\*

After market Brake Controllers		
Manufacturer	Model	Compatible
Dexter <sup>®</sup>	Predator DX2 <sup>®</sup>	Yes
Tekonsha <sup>®</sup>	Primus IQ <sup>™</sup>	Yes
	Prodigy P2 <sup>®</sup>	Yes
	Prodigy P3 <sup>®</sup>	Yes
	Sentinel <sup>™</sup>	No
Hayes	Voyager <sup>®</sup>	No*
	Energize III <sup>®</sup>	Yes
	Endeavour <sup>®</sup>	Yes
	G2 Brake Boss <sup>®</sup>	Yes
Red Arc <sup>®</sup>	Genesis <sup>®</sup>	No*
	Tow-Pro (EBRH-ACC)	Yes
Hopkins <sup>®</sup>	Tow-Pro Elite (EBRH-ACC V2)	Yes
	Agility <sup>™</sup>	Yes
GSL	Insight <sup>™</sup>	Yes
	RBC-12	Yes
Hayman Reese	XLE-12	Yes
	Compact IQ <sup>®</sup>	Yes
Curt <sup>™</sup>	Tri-flex <sup>™</sup>	Yes

#### Vehicle Integrated Trailer Brake Controller Compatibility\*\*

GM	High Confidence
Ford	High Confidence
Dodge	High Confidence
Toyota	High Confidence
Nissan	Untested

\* Compatible with external simulated load

\*\*As of January 2021