

TSB: Connecting a Wireless Backup Sensor to a Trailer



P5000W kit includes 8 ft sensor wires, which allows CPU to position approximately 6 ft away from bumper if mounted on the underside center of the trailer. Available 8ft extensions which can move the CPU further forward, getting it closer to the tow vehicle and within the 40ft range of the wireless receiver.

If the trailer configuration does not easily allow for installation of standard drill-in sensors, optional DKX surface mount sensors are available which mount under the bumper.

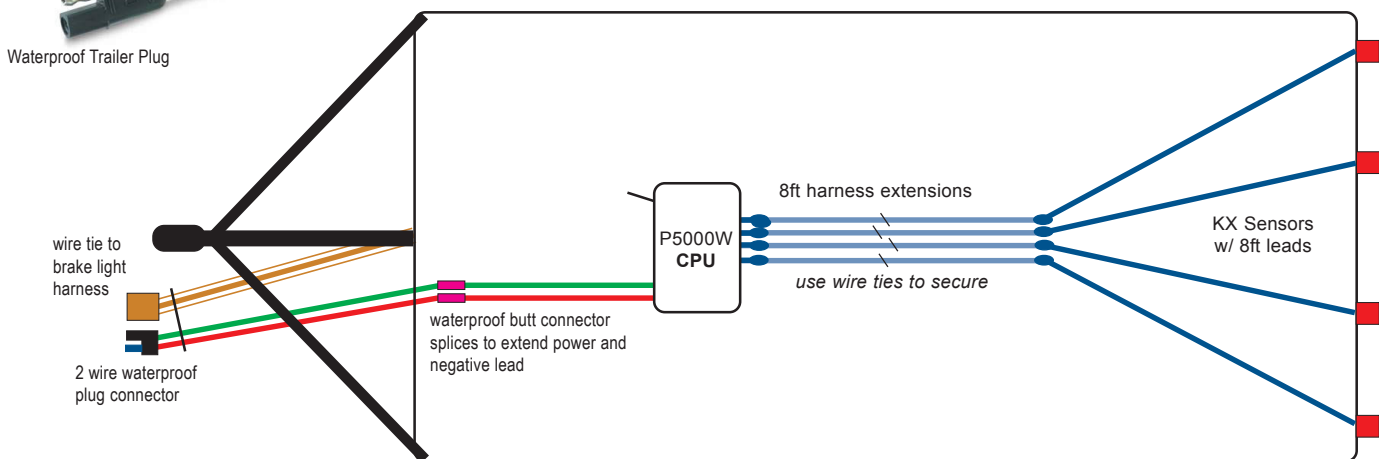
Extend the positive and negative lead from the CPU and attach to a 2 conductor waterproof trailer plug connector. Wire tie this to the trailer's brake light harness plug to reach brake light harness and splice to negative wire.

Splice a wire to the positive lead on the backup light and another to the negative (or to a floating negative on the chassis). Route these wires to the bumper, near the trailer brake light connector and attach to a 2 conductor waterproof plug connector.

When towing a trailer, always connect the sensor plug at the same time the brake harness is connected. Put the transmission in reverse and tap the button on the receiver to synchronize with the trailer sensor system.

If the trailer is used with multiple tow vehicles, the kit includes a cigarette lighter power adaptor, which makes the receiver unit and display portable.

If there is a P5000W installed in the tow vehicle bumper, *the same receiver can be used for both*. Add a cut-off switch (or a bullet disconnect) to the power lead on the bumper CPU, then use the synch switch to detect the live CPU on the trailer.



Potential Signal Distances with Trailers

P5000W Signal Range = 40ft

Tow Vehicle [distance to for receiver]
 6-12ft Suburban
 9-12ft LB XC Pickup Truck
 10-14ft LB Dually w/ 5th wheel

Trailers [length w/o hitch neck]
 10-28ft open
 15-28ft enclosed
 18-30ft horse
 12-20ft pop-up camper
 20-40ft RV
 18-48ft Car Hauler

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