



EZ-360TT Installation Guide

The installation of the EZ-360TT is designed for Trailers of all types. Care should be given to physical placement of the device as well as the wiring connections made during installation.

Plan the installation:

On Trailers, you will be splicing in to the "trailer plug" of the trailer to acquire Power & a chassis Ground. The EZ-360TT is designed to run off the "power fed" to the trailer by the vehicle that it towing the trailer. It is critical to insure a proper power connection and a chassis ground. The unit can handle both +12 VDC or +24 VDC power.

Place the EZ-360TT inside or on outside of the Trailer:

The EZ-360TT features an internal cellular and GPS antenna. The device is weatherproof and can be placed either outside or inside the Trailer with the **label facing away from the sky**. Ideal device location is to mount the unit horizontally, in a concealed spot if possible, inside the Trailer. It is important to know "where you are getting the power" and whether the trailer has a metal roof or not. GPS units do not like Metal, so ensure that there is NO metal above the unit. If the trailers roof is METAL, then the tracker must be mounted outside on the trailer.

Since trailers come in all shapes and sizes, you have to determine the optimal place for proper tracking and also to try and keep the unit concealed if possible. The following are the most common trailer types.

- Box trailer (example: landscaping trailer or a small to medium BOX trailer): The optimal place is inside if there is no metal roof. If you need to mount it outside, then look for a place on the front of the trailer near the top or around the tongue of the trailer. Keep in mind that you want to conceal it or put it in an inconspicuous spot. The top of the EZ-360TT needs to be facing upwards if possible. It can be mounted vertical as well. Since these trailers have frames that are low to the ground it is not recommended to mount the unit underneath the trailer.
- 53' Trailer (the trailer typically called an 18 wheeler) – you can either mount it on the outside near where the "power plug" connection is located (where the tractor/truck cab connects to the trailer) or a popular spot is to conceal it by mounting it UNDER the trailer where the "trailer legs pivot". There is a perfect spot where the unit can be concealed under the trailer. It is important to mount it to the "yellow line side" (side that would face the middle of the road) as then the GPS will "bounce off the pavement". This actually works well with these 53' trailers as the trailer bottom is high enough off the road to allow the GPS bounce to occur. Keep in mind that you have to safely "extend" the power & ground wires (and input if utilized) to the power plug area. Please take care to mount securely and route the wiring harness in a concealed manner.

- Container Chassis Trailer – these are typically just a frame trailer that hauls "shipping containers". In this case, it is recommended to mount it "under the trailer" at the "legs pivot point" as explained above with the 53' trailer.
- Low Chassis Trailer (i.e. the type that would haul heavy equipment such as a front loader or excavator) – with this trailer type, you really only have 1 option and that is to mount it near the tongue of the trailer and to conceal its wires as best as possible.

Connect POWER & Chassis GROUND

The power input (red wire) must be connected to a constant to the "trailer plug". This can be a 4 or 6 pin flat plug that would match to a typical pickup truck etc... or it could be the larger round plug that is used by the "tractor trailer" systems. It's important to pick the power line on the plug that has constant power.

- Note: in the case of the 53' trailers – it's typically "pin 7" (middle pin) of the green cable that plugs into the trailer. It is important to find the constant power and in some cases you may need to splice in a 2nd power source to the ABS or running lights pin as a secondary source as sometimes the Tractor doesn't always supply constant power to pin 7.

The ground line (black wire) must be connected to chassis ground.

Please verify that your power, ground and ignition wires are connected correctly.

Verify:

Successful device operation can be verified by observing the LED indicators on tops side of the end of the unit where the wiring enters the device.

A solid **GREEN LED** indicates that the device has a GPS lock.

Blinking = Searching Solid = GPS Signal is OK

A solid **AMBER LED** indicates that the device is connected to the cellular network.

Fast Blinking = Searching Solid = Cellular signal is OK

NOTE: If the **AMBER LED** does not turn solid after 2 or 3 minutes, cycle power to the device and take the Equipment/asset for a drive. Verify LEDS after the drive.

Harness Diagram

SIGNAL	DESCRIPTION	WIRE COLOR
VCC	Primary Power Input	RED
GND	Ground	BLACK
IN-1	Input 1 Biased high	BLUE
Note:	There are a number of wires that are not used, so trim and tape off all wires that are not utilized.	

Input Bias:

Inputs are biased either high or low. This describes the resting state of the input. The input of the EZ360 is biased high.

A biased HIGH input will require a voltage transition to ground to trigger an input event.

A biased LOW input will require a voltage transition to at least +4 VDC to trigger an input event.