

# Veethree Instruments

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**GPS RECEIVER 8/16 PULSE**  
**ANTENNE GPS 8/16 PULSE**  
**HÖRER, GPS 8/16 PULSE**  
**RICEVITORE, GPS 8/16 PULSE**  
**ANTENA, GPS 8/16 PULSE**

## 1. Install Installation Installieren Sie Installi Instale

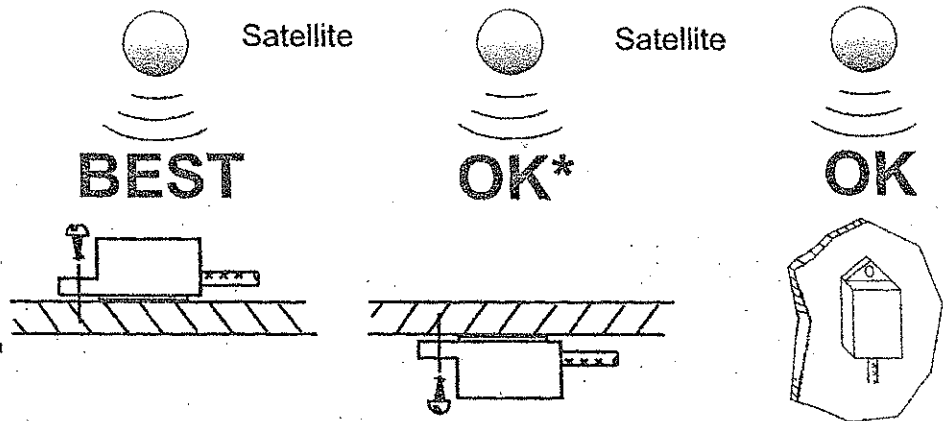
\* Unit can be mounted under the dash or in other hidden areas as long as you verify the speedometer is working properly before permanently mounting the receiver.

L'unité peut être montée sous le tableau de bord ou d'autres zones cachées, tant que vous vérifiez l'indicateur de vitesse fonctionne correctement avant d'installer en permanence le récepteur.

Die Einheit kann unter dem Armaturenbrett oder andere versteckte Bereiche, so lange gelagert werden, da überprüfen, ob Sie den Tacho richtig funktioniert, bevor endgültig der Montage des Empfängers.

L'unità può essere montato sotto il cruscotto o altre zone nascoste fino a quando si verifica il tachimetro funzioni correttamente prima di montare in modo permanente il ricevitore.

Unidad se puede montar en el tablero o en otras zonas ocultas, siempre y cuando compruebe el velocímetro está funcionando correctamente antes de montar el receptor.



## 2. Wire Connection Branchement connecteur Verkabelung Installi connettore Conector de insta

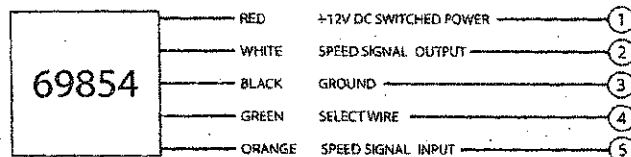
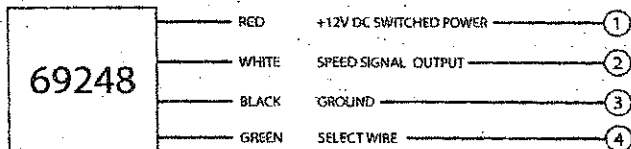
The receiver unit comes with ring type terminals crimped on the wires.

L'appareil est livré avec des terminaux bague de sertissage sur les fils.

Das Gerät wird mit Ringkabelschuhe Crimp auf den Drähten.

L'unità viene fornita con terminali ad anello a crimpare sui fili.

La unidad viene con terminales de anillo engarzado en los cables.




- ① **Red** - +12VDC switched power.  
**Rouge** - +12VDC tension d'alimentation.  
**Rot** - +12V DC Schaltnetzteil.  
**Rosso** - +12 VDC di alimentazione a commutazione.  
**Rojo** - +12 VDC de alimentación conmutada.

- ② **White** - Speed signal output, connects to input of a speedometer.  
**Blanc** - Vitesse de sortie de signal, connecté à l'entrée du compteur de vitesse.  
**Weiß** - Beschleunigen Signalausgang, an den Eingang des Geschwindigkeitsmesser.  
**Bianco** - Velocità di uscita del segnale, collegato all'ingresso del tachimetro.  
**Blanco** - Señal de velocidad de salida, conectado a la entrada del velocímetro.

- ③ **Black** - Ground (-).  
**Noir** - Masse (-).  
**Schwarz** - Anschluss an Boden (-).  
**Nero** - Si collega a terra.  
**Negro** - Se conecta a tierra.

- ④ **Green** - Used to select pulses. (See below)  
**Vert** - Pulse sélectionnez fil. (Voir ci-dessous)  
**Grün** - Pulse wählen Draht. (Siehe unten)  
**Verde** - Pulse filo selezionare. (Vedi sotto)  
**Verde** - Cable de salida de elección. (Véase a continuación)

- ⑤ **Orange** - Speed sensor input is connected to the output of the transmission-mounted sensor.  
**Orange** - Connectez-vous à la sortie de la transmission monté expéditeur.  
**Orange** - Verbinden Sie den Ausgang des Getriebes montiert Absender.  
**Arancione** - Collegare all'uscita della trasmissione montata mittente.  
**Naranja** - Se conecta a la salida de la transmisión montado remitente.

 These GPS receivers are designed to produce 8,000 pulses or 16,000 pulses per mile. For 8,000 pulses, connect the green wire to black (ground) wire. For 16,000 pulses, connect green wire to red (+12VDC power) wire.

The pulse selection is dependent on the speedometer manufacturer. If the speedometer is not preset to 8,000 or 16,000 pulses per mile from the manufacturer, calibration the speedometer per the manufacturer's instructions is necessary for accurate speed indication.

For the 69248 receiver, acquisition of GPS satellites is necessary for proper function of the receiver. It may take up to 3 minutes for initial satellite acquisition after power is turned on. Before acquisition, or when the GPS satellite view is obstructed (tall buildings, tunnels, etc.), no speed signal will be sent to the speedometer.

For the 69854 receiver, the output signal can be generated from the GPS satellites or from a transmission-mounted speed sensor. Whenever the receiver acquires a satellite signal it learns the calibration of the pulses being received from the speed sensor, so it is able to self-calibrate in a new installation and also compensate for any changes made later to the vehicle drivetrain (e.g. tire diameter).

It may take up to three minutes after power is turned on for initial satellite acquisition. During this time if the receiver has an existing calibration value it will use the transmission-mounted sensor to calculate speed. If this is the first time the receiver has been operated and it has no calibration value stored then the output will be held at zero until a satellite signal is acquired.

During normal operation the GPS satellites are used to calculate the speed output signal to maintain the highest accuracy. If the satellite signal is lost due to obstructions (tall buildings, tunnels, etc) then the receiver will go back to using the speed sensor for its calculations, ensuring no loss of reading on the speedometer.