



Avoid the traffic with v10!

## TMC upgrade for hard-wired GPS receivers

**The v10 TMC receiver from AVANTEQ enables navigation systems with hard-wired GPS receivers to receive TMC traffic messages and to route drivers automatically around areas of congested traffic.**



### Easy Handling

The v10 TMC receiver is simply plugged between the PDA and the GPS receiver as intermediate connector and the PDA navigation unit can immediately receive all current TMC traffic information and automatically adapt the route to the traffic situation.

v10 automatically detects the connected GPS receiver and its baud rate.



### Compatible to most GPS receivers

v10 fits most hard-wired GPS receivers, e.g. those from Evermore, Fortuna, Globalsat, Haicom, Holux, Leadtek, Polstar, Rikaline, Road-Navigation and SysOnChip with RJ11 or PS/2 connector. Thanks to its clever circuitry, it works on this simple principle: if the connector fits, it will work.



### Compatible to leading navigation systems

The v10 TMC receiver is compatible with all TMC capable versions of the navigation programs from Destinator Technologies, iGO, MAP&GUIDE and NAVIGON.



### Best reception with discreet aerial

Due to high-quality components, e.g. gold plated high frequency connectors for the aerial and elaborate methods for searching broadcasting stations v10 has best reception. Its discreet aerial can well be hidden in the car interior.



### Indication of current reception status through LEDs

LEDs show the reception of TMC traffic information. Thus drivers know when they can rely on TMC reception.



### Also usable for many PDAs with integrated GPS

For PDAs with an integrated GPS receiver, v10 can also be used as a TMC receiver provided the PDA has a connection cable to link to one of the above-mentioned GPS receivers.

## Specifications:

### Connectivity:

connectors navigation/GPS	RJ12, miniDIN 6pin + adapter RJ12-MiniDIN (included)
serial connection (navig.)	RS232, 57,600 bps
serial I/O protocol (navig.)	AVANTEQ 1.1
serial connection GPS	1,200 to 57,600 bps, automatic selection
GPS-connectivity	Evermore, Fortuna, Globalsat, Haicom, Holux, Leadtek, Polstar, Rikaline, Road Navigation, SysOnChip and compatibles to aforementioned
pin assignment	autodetect, depending on GPS cables
FM-antenna	MCX jack 50 Ohm
Baud rate (navigation)	57,600 bps

### Electrical:

supply voltage, FM-receiver	3.5 - 15 V DC
supply current	10 - 45 mA
power consumption	100 mW (typ.)
frequency range	FM 87.5 - 108 MHz

### Mechanical:

dimensions (LxWxH)	71 x 30 x 20 mm
weight	21 g
material of housing	PMMA

### Environmental:

operating temperature	-10 to +70 °C
storage temperature	-40 to +85 °C
relative humidity	5% to 95%, non-condensing



Manufacturer:  
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**AVANTEQ**  
mobile solutions