

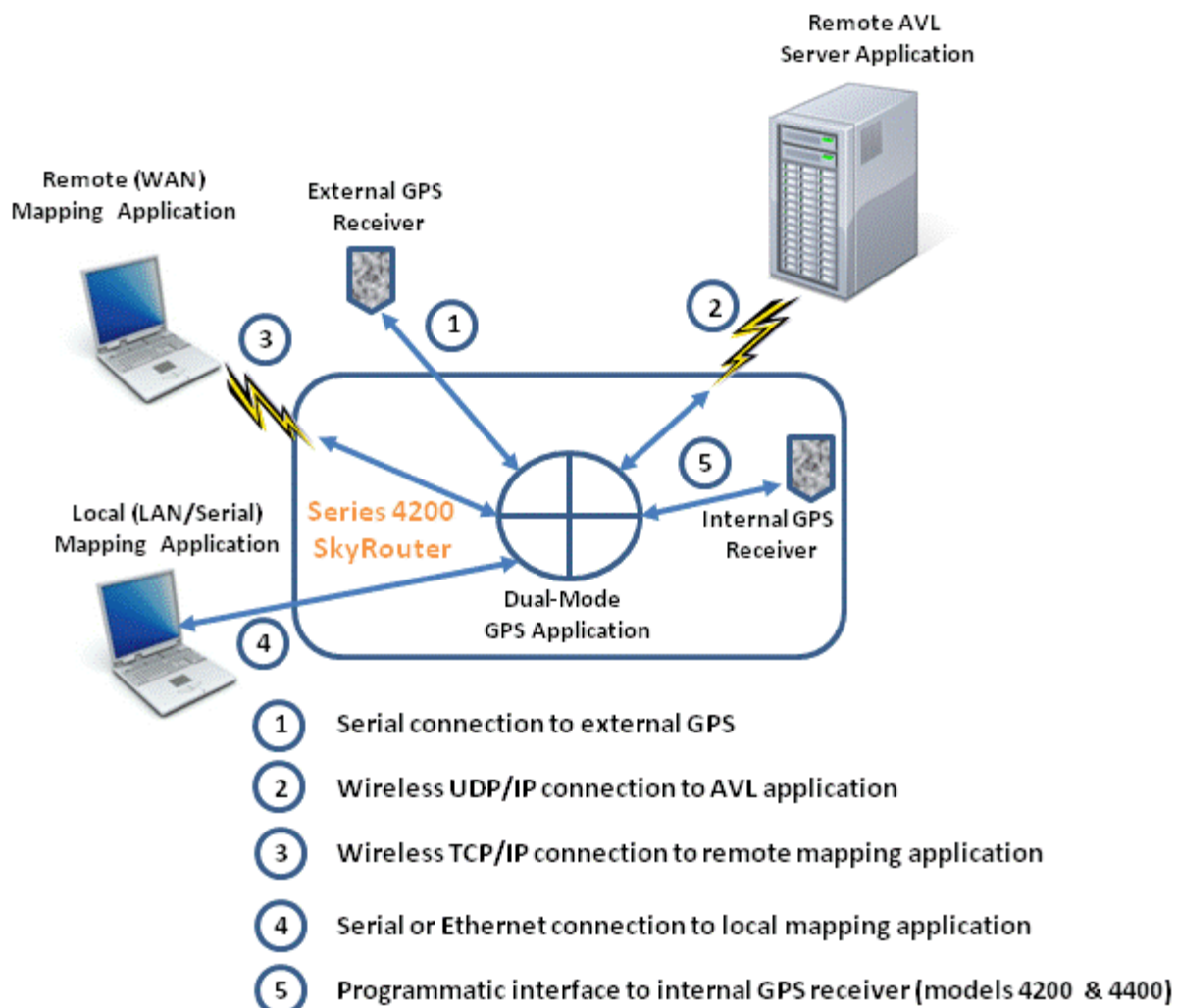


Ctek SkyRouter Application Dual Mode GPS

Are you looking for a GPS in a box? Why not try a box full of GPS? Ctek's Dual-mode GPS application turns any Ctek SkyRouter into just that, a box full of GPS capabilities to address almost any application requirement. The Dual-Mode application derives its name from the fact that it operates with any external GPS module and can also take advantage of the in-built GPS receiver found in selected SkyRouter modules. But that's just the input side of this powerful application.

As shown in the diagram below the Dual-Mode application is capable of simultaneously acting as an application client

for remote AVL and LBS applications, and a application server for local or remote applications that would normally be directly connected to a GPS module. Using a service van as an example headquarters would be able to position any vehicle in the fleet at the same time a driver was mapping a route to a customer that avoided a delay caused by a recent collision. In-vehicle mapping, central site tracking and vehicle-to-vehicle positioning are all possible with the features of this powerful application, and they are all possible at the same time.





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Specifications

Administration

Installation

FTP
Over The Air (wireless)

Updates

Over The Air (wireless)

Administrative Interface

HTML—Web Browser

Features

Application Client Interface

ACK/No ACK
Server IP Address—Settable
Server port - Settable
Update Rate—Settable 10—3600 seconds
Update Distance—Settable 1—100 miles
Device Identification—Settable
Content—NMEA sentence *\$GPRMC* adapted for server application, *\$STOP*, *\$START*,
\$PING, *\$ACK*

Application Server Interface

Listen port - Settable
Update Rate—Settable 5—900 seconds
Content—NMEA sentences from GPS receiver (pass through)

Connections

Application Client Interface

Wireless UDP/IP

TCP Server Interface

Wireless TCP/IP
Ethernet TCP/IP
Serial—RS232
Serial—Aux Port

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