

Navtech Systems GPS Devices

LAN enabled, Telemetry transceiver system



Transmitter (with GPS receiver)



GTR4 Receiver



GTR4 Receiver

◆ Description

The GT4-TRM provides a standard 4800/9600 Baud data link. Serial data is processed to pass over the standard 25kHz channel spacing radio channel without placing any restrictions on the data to be sent. This function is implemented in software within the GT4 module and only a minimum of external parts are required.

Standard serial data, such as PTZ control commands is input via standard serial i/o connections

The system is supplied with the base station receiver configured to launch the receiver on a LAN such that the data can be accessed at any convenient node by simply enabling the IP address.

The telemetry system can accommodate any number of discrete receivers giving the advantage of diversity reception as the data received is via the LAN. Each Receiver will also output the serial data it receives.

Each receiver has its own antenna and located as convenient to the application using as high gain antennas as practical – e.g a high gain co-linear omni antenna suitable for mounting at a high vantage point on a roof top or the side of a building. RF feed to the receiver is by a low loss coaxial lead terminated with connectors to couple to the antenna and receiver respectively.

The receiver should be mounted close to the antenna to maintain low loss in the antenna feeder. A power lead allows for connecting to the power source in the vicinity of the receiver.

Coupling to the LAN is by standard Ethernet CAT5e cable. Access to the received data stream is by standard LAN access procedures using a standard PC, Laptop or similar processing unit. To provide unambiguous data transfer.

The system can be configured to suit the users specific needs.



Navtech Systems Limited

Sulby, Nr. Welford, Northamptonshire. NN6 6EZ. UK.

Telephone: +44 (0)1858 880 857 Fax: +44 (0)1858 880 859

E-mail: sales@navtechsystems.co.uk Web: www.navtechsystems.co.uk