

Tomtech BT100 Bluetooth Communication Transceiver



The BT100 transceivers are designed to be used in pairs to provide a short range communication link between Tomtech computer systems and provide an ideal solution where it is not easy to install a standard cable link such as over public roads, rivers etc. Each pair will consist of two identical looking transceivers although the individual units will be configured differently so that one is a master and the second is a slave unit.

Reliability and Data Security

They are configured to find each other and no other Bluetooth device and use a 10 digit PIN number unique to each pair to identify their respective partner and exclude all other Bluetooth devices in the area for complete security. The transceivers search for their matching partner and use frequency hopping technology to ensure reliable communication.

Range

The BT100 modules have a maximum reliable range of 100 metres line of site. If there are buildings etc. between the units this range may be reduced.

Connections

Each transceiver has RS232 and RS485 ports, either port can be used with each unit selectable by internal jumpers. A low voltage power source of 16-28v AC or DC is required for each transceiver which is normally derived from the Tomtech system.

Mounting

The BT100 units should be mounted outside on a 32mm diameter pole in clear line of site to each other and away from all close by metal objects with the cable access gland at the bottom. The enclosures should be arranged to face each other for maximum range.