



# IP68 Dust and Waterproof Bluetooth Adapter

**B**luetooth wireless connectivity is the latest addition to Bulgin's USB Buccaneer waterproof connector family. Bluetooth Buccaneer is a robust USB to Bluetooth adapter designed to overcome common limitations with hard-wired USB connections, such as the 5 metre distance restriction and signal isolation problems.

In any wireless application the antenna must be mounted in an external position for optimum range, but often the antenna is lacking in robustness or can defeat the integrity level of the enclosure.

Bluetooth Buccaneer's IP68 rated dust and waterproof connector is designed to withstand the rigorous demands of harsh or industrial environments, and the Bluetooth electronics with built-in antenna are robustly housed in the over-moulded UL94V-0 body.

Operating at 2.4GHz in the Industrial, Scientific and Medical (ISM) Band, the Class 1 adapter, [PX0880/1](#), can support a working range up to 100m depending on site conditions. The lower power Class 2 adapter, [PX0880/2](#), has a range up to 25m.

The mating panel mount connector, [PX0842/A](#), has a standard USB type A connection, allowing the Bluetooth adapter module to be temporarily removed while standard USB cables or USB memory sticks are utilised.

Comprehensive utility software and drivers can be freely downloaded from Bulgin's web site, although the most popular plug and play operating systems will automatically recognise the adapter.

Bluetooth Buccaneer will find many applications within industrial control, where water and dust may be present, and a strong, robust and secure wireless connection is needed between computers and peripherals.

Features Include:

- Dust & Waterproof to IP68
- Screw coupling for secure connection
- Built-in antenna
- Bluetooth specification V1.1 & V1.2
- Windows compatible drivers
- Class 1 working Range up to 100m
- Class 2 working Range up to 25m
- Data rates up to 723kbps
- RoHS Compliant

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