

The VAL364 USB Dongle has been designed to allow communication through a USB port from Microcoin coin validators and GBA banknote readers to their respective PC-based software support and programming packages.



### Dongle Kit

- VAL364 dongle
- Cables to suit your coin validators and/or note readers
- USB 2.0 Type A-B cable



- Optional – 12Vdc @ 1.5A power supply, 2.5mm plug, centre positive,.

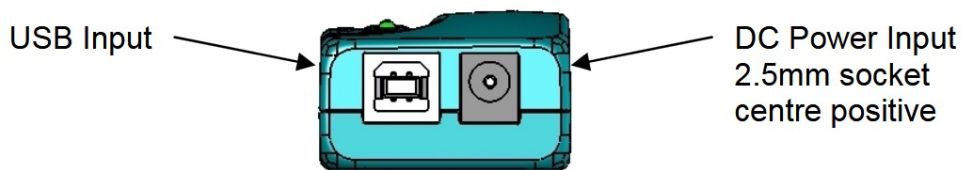
*Note : The USB Dongle is powered from the USB port on your computer. The optional power supply is used to power the connected coin validator through the comms cable, eliminating the need for a separate power cable to the validator.*

### Installation

- Run the VAL364 driver file (Universal\_Windows\_Driver) before connecting the dongle
- Connect the dongle to the PC with the USB 2.0 A-B cable
- Connect the validator to the dongle with an appropriate cable (see below)
- Connect power to the validator via the validator's I/O port, or use the Power Input port on the dongle for Microcoin units.

## Operation

The VAL364 connects to the host computer via an available USB port. A VAL364 driver will allow the dongle to be seen as a serial (COM) port. The driver will select the next available COM port number, and assign that to the dongle. Your device can then be connected using the appropriate cable, and the software on your computer will be able to communicate with the device, as if through a COM port.



Input Connections



Dongle Indicators

The indicators are used to show the operation mode of the dongle. The 'Link' LED lights when the dongle is recognised by the computer. The 'Rx' and 'Tx' indicate that data is being sent or received from the host system.

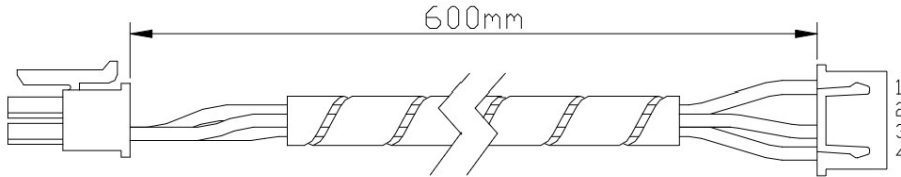
## Output Connections

The dongle is designed to connect to all Microcoin and GBA products. To facilitate this, a 6 pin multi-purpose connector is provided to interface through various specialised cables to the Microcoin and GBA devices. (Refer to Cable Types below)

## Cable Types

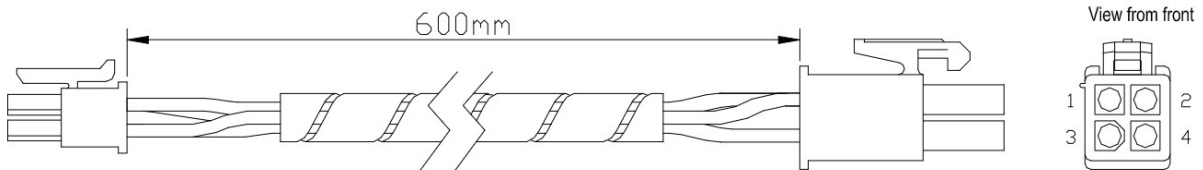
### Part Number : 20364-1

Communications with Microcoin QL3 and SP coin validators (with echo suppression).  
Used with Microcoin support/programming packages



### Part Number : 20364-3

Communications with GBA Bank Note Readers. Used with GBA support/programming packages



### Part Number : 20364-USB

Standard USB A-B Cable. Used with Microcoin support/programming packages