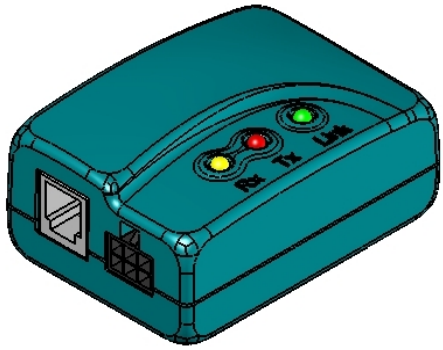
Microcoin / GBA

Product Bulletin
VAL364 USB Dongle

USB to Serial Communication for Microcoin coin validators and GBA banknote readers

The VAL364 USB Dongle has been designed primarily 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
Driver file - USBDongleInstall.exe
Cables to suit your coin validators and/or note readers

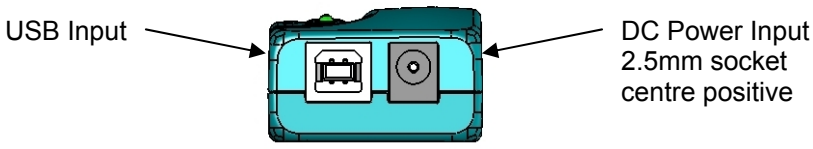
Additional Items Required
USB 2.0 Type A-B cable
Optional – DC power supply, 2.5mm DC plug, centre positive, voltage and current suitable for your validators.
The USB Dongle is powered from the USB port on your computer. The optional power supply is used to power the connected coin validator through the comms cable, eliminating the need for a separate power cable to the validator.

Installation
Run the driver file (USBDongleInstall.exe) **before** connecting the dongle
Connect the dongle to the PC with the USB 2.0 A-B cable
Connect power to the validator via the validator's I/O port, **or**
Connect power for the validator through the Power Input port on the dongle
Connect the validator to the dongle with an appropriate cable (see below)

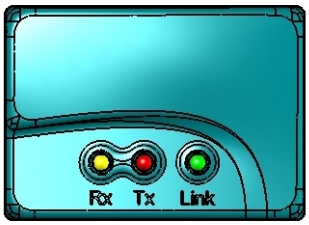
Operation
The VAL364 connects to the host computer via an available USB port. The driver supplied will allow the dongle to be seen as a serial (COM) port to your

software. 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.

As an additional benefit, there is a DC Power Input socket on the dongle. If an appropriate DC power source is connected to this socket, some coin validators can be powered through the comms cable, eliminating the need to have a separate cable to the validator for power.

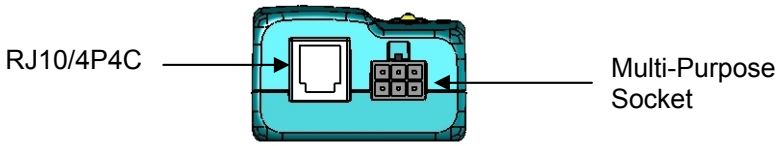


Input Connections



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.

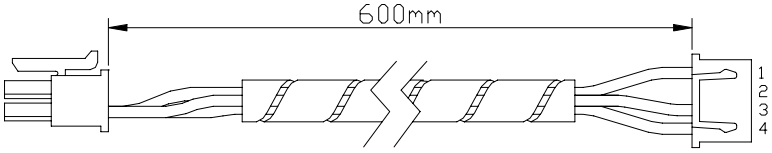


Output Connections

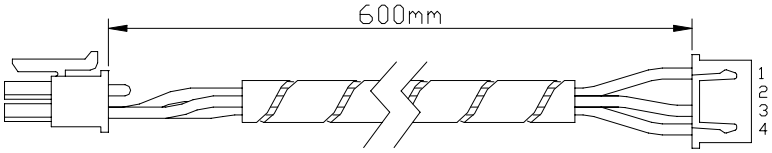
The dongle is designed to connect to all Microcoin and GBA products. To facilitate this, an RJ10/4P4C connector is provided to connect to QL1 and QL2 coin validators, and a 6 pin multi-purpose connector is provided to interface through various specialised cables to all other devices.
(Refer to Cable Types below)

Cable Types

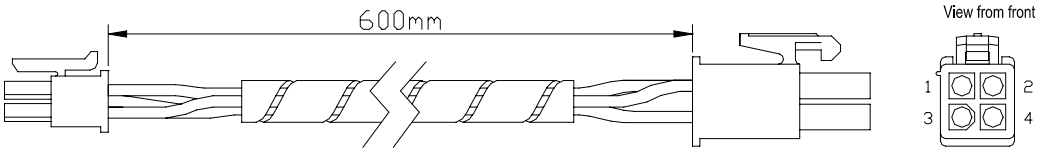
Cable Part Number : **20364-1**
Communications with Microcoin QL3 and SP coin validators (with echo suppression). Used with Microcoin support/programming packages



Cable Part Number : **20364-2**
CCtalk communications with Microcoin QL3 and SP coin validators (without echo suppression). Typically required for non-Microcoin CCtalk applications



Cable Part Number : **20364-3**
Communications with GBA Bank Note Readers. Used with GBA support/programming packages



Cable Part Number : **20364-4**
Communications with Microcoin QL1 and QL2 coin validators .
Used with Microcoin support/programming packages