



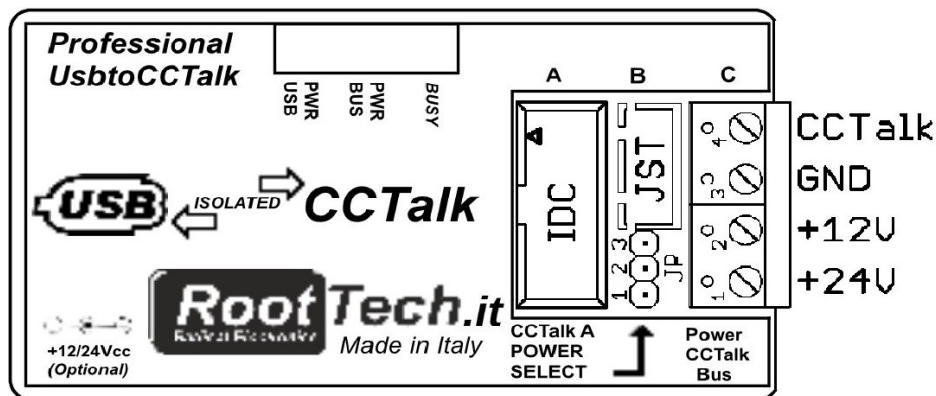
www.RootTech.it

Designed :Todaro Gianmarco

e-mail: roottech@libero.it

Interface USB-CCTalk isolated , insulation >2KV

Manual



The interface is equipped with the standard connectors most used in CCTalk peripherals, however the **CCTalk BUS** is available at **PIN4** of the terminal block , in order to be able to wire a possible CCTalk HUB or a peripheral with a connector not standard or not present on the interface.

Features :

- Insulation >2KV
- Led power USB
- Led power interface and BUS CCTalk
- Led data traffic, flashes with TX / RX data
- Connector IDC 5+5, selectable power supply (+12/24V)
- Connector JST , power shared with interface (+12~24V)
- Terminal block for power supply with BUS CCTalk (**PIN4**)
- Possibility to power the whole with power supply (+12~24V) plug 5,5/2,1mm.

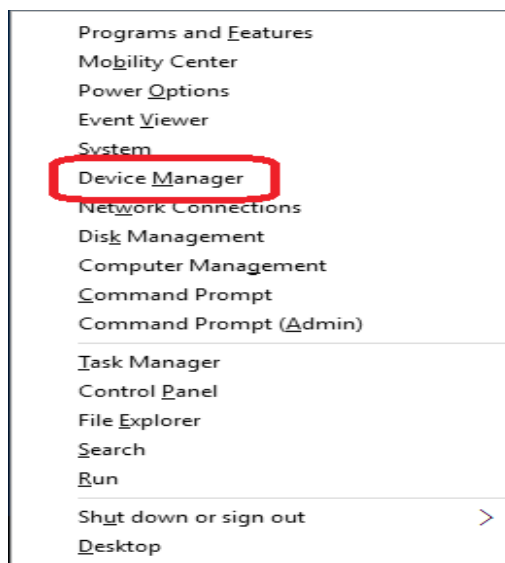
Before using it, the CH34X driver must be installed on the supplied CD or supplied via download.

Once the driver has been installed, connect the USB-CCTalk interface via the USB cable supplied and wait for it to be recognized by the system.

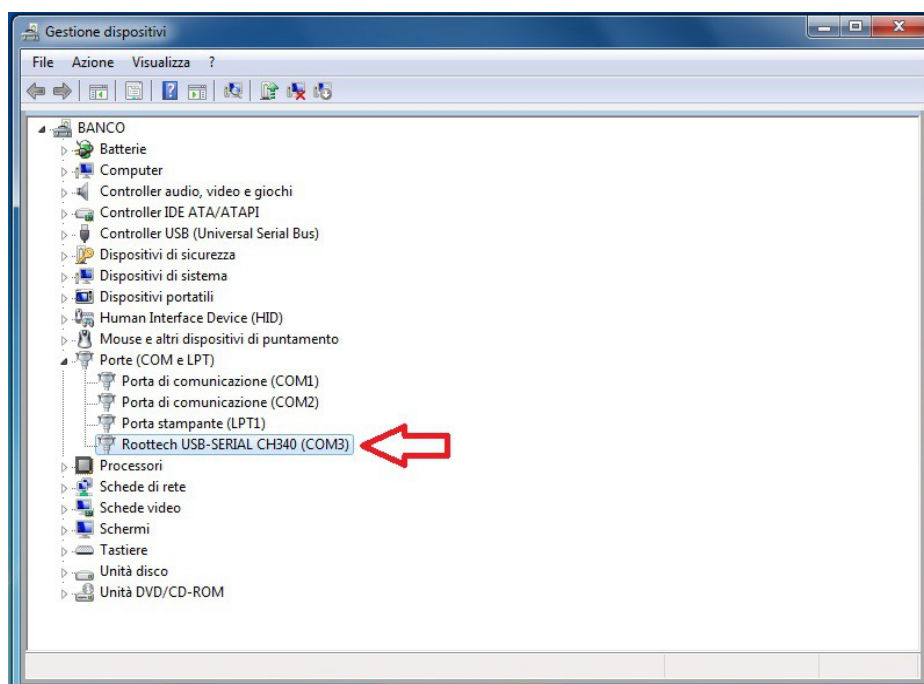
N.B .: In this phase it is not necessary to supply the interface externally.

It is important to identify the virtual RS232 port assigned by the system, in order to select the correct port in the various software to manage the CCTalk peripherals.

To do this it is necessary to type on the PC in the START menu, in the search bar "Device manager"



Open Device Manager and under the item Ports (COM and LPT) locate the item of the virtual serial port "Roottech CH340" or "USB to Serial CH340" next to it the corresponding serial port number will be indicated.



Once you have installed the necessary drivers and found the port, you can connect our peripherals and then connect the power, which can be supplied via terminal block or more simply via the PLUG connector alongside of the USB connector.

Power supply and implementation

- Interface power supply

The interface is powered by the **PIN2** of the terminal block (+ **12Vdc**) or by the connector **PLUG**, opposite side to the terminal block, near the USB connector , for the purpose you can use a **+12V 2A** power supply with a 5.5 / 2.1 mm **PLUG** connector.

The interface must always be powered, PWR BUS LED (**ON**)

- JST connector power supply

The **JST** connector is powered via the terminal block **PIN2** or **PLUG (+ 12 / 24Vdc)**, if the interface is powered via the **PLUG**, do not apply voltage to the **PIN2** of the terminal block, be very careful if you use a power supply with a value greater than (**+12Vdc**) the same voltage will be applied to the **JST** connector and to the peripherals connected to it.

- IDC connector power supply

The **IDC** connector is powered , according to the position of **JP** , by closing the **pins 1-2 of JP** , the **IDC** connector is powered through the **PIN1** terminal block (**+24Vdc**) , by closing the **pins 2-3 of JP** , the **IDC** connector is powered with the **PIN2** of the terminal board (**+12~24Vdc**).

- Note

The voltages applied to the terminal block **PIN1** and **PIN2** can be different from those indicated and adapted to your needs , to consider that the voltage applied to **PIN1** is used exclusively to power the peripheral connected to the **IDC** connector, while the voltage applied to **PIN2** powers the interface on the side CCTalk and the **JST** connector and any voltage ranging from + 10Vdc to + 24Vdc can be applied

Warning! : Turn off the power before connecting / disconnecting the peripherals.