

ComLink Manual

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The *ComLink* is a USB device that connects a Windows computer to one of the PowerCookie Boards devices that have a micro-USB port (for example the *MorseI* device).

Using the free Windows desktop app, **Theme Designer** (from PowerCookieBoards.com), the *ComLink* enables custom themes and effects to be sent to the connected PowerCookie Boards devices, giving creative liberty to the artist.

This manual explains how to use the *ComLink*. Also in this manual, the *MorseI* device will be used as an example of a connected device, though other products could be used similarly.

Connect to a Computer

The *ComLink* connects to a Windows computer much like a USB flash drive. The female USB connector of the *ComLink* connects to a *MorseI* device via a USB data cable, such as the one provided.

Only Windows Vista and later are supported.

USB Data Cable

Some USB cables included with USB chargers may only contain wiring for power, not data. Without the data wiring, a *MorseI* device connected through the *ComLink* will power up, but will be unable to communicate with a computer. The cable included with this product includes wiring for data.

LED Indicators

The green LED on the *ComLink* indicates that it has power. When rapidly flashing, it indicates data transferring to a *MorseI* device.

The red LED on the *ComLink* indicates that more than 300mA are being drawn through the device. Typically, if more than 500mA are drawn from a USB 2.0 port on a computer, the port will be shut off until it is removed and plugged in again. If this happens, remove chained devices or check for a short.

USB Driver

A USB driver is required for Windows to use the *ComLink*. Typically, Windows will acquire the correct USB driver from the internet when the *ComLink* device is first plugged in. If it does not, the driver is available with the installation of *Theme Designer*. See the **Support and Drivers** section of *Theme Designer*'s "Help" for more information.

Technical Specifications

Dimensions: 50mm x 15.8mm
Height: 8mm
Supply Voltage: 5.0 Volts
Output Voltage to *MorseI*: 4.5Volts typical
Current limiting resistor: 2.2 ohms
Point at which red LED begins to turn on: 300mA
Short Circuit Current: 2.2 Amps