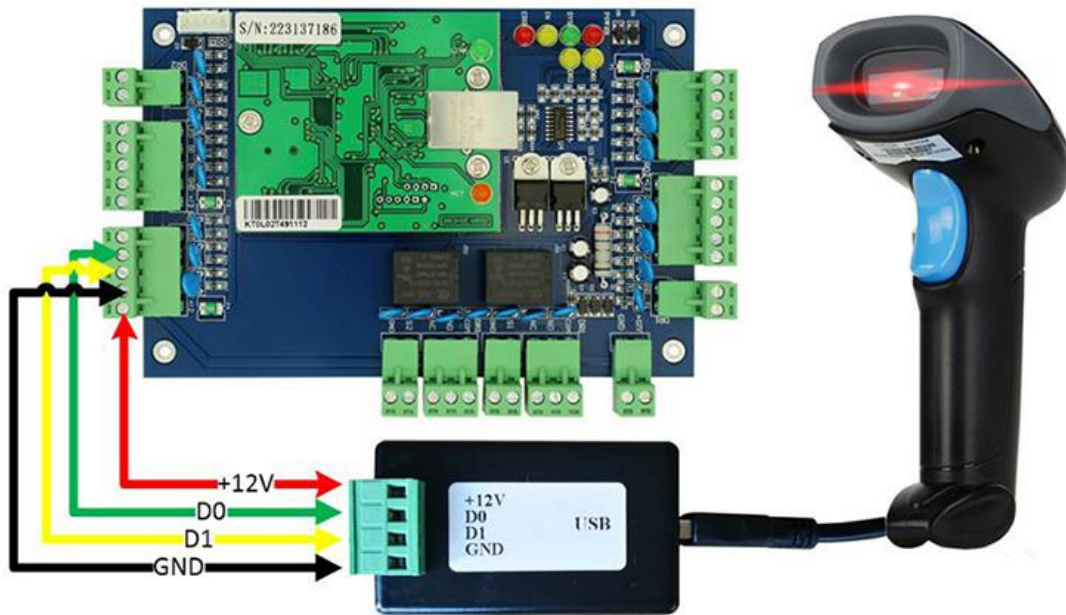# USB-WG Converter
User Manual

The USB-WG converter takes the barcode and QRCODE from the USB scanner as input, converts it into a standard card reader Wiegand signal output, and connects it to the access controller to replace the traditional access card reader then we could unlock the door by QR code.

USB-WG converter Connect it to 12V and GND on ACB board, USB scanner connect to USB directly...

The scanned barcodes and QR codes must contain digital information and the end carriage return symbol. The standard USB-WG converter can recognize up to 10 digits. The information such as letters and punctuation marks will be filtered out, only keep the digits; such as: After filtering "https://123456.com%78", only keep the number "12345678" , other input and output formats can do customized

For USB-WG converter, Factory default support WG 34 output, it can workable with most of brand in the market.if you need to customize different WG format, we could provide the document to customize.

The connected USB device interface must be setup to be compatible with the HID USB protocol. Ordinary USB QR code scanners, USB card readers, USB magnetic card swipe machines, USB barcode, USB keyboards, etc. can all be recognized

USB converter input voltage: 9-15V 50mA
USB converter output voltage: 5V 200mA
USB interface protocol:HID

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