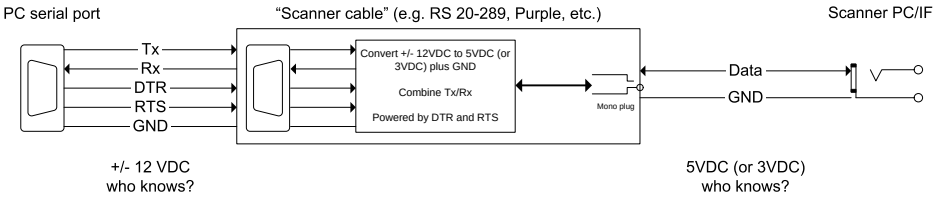
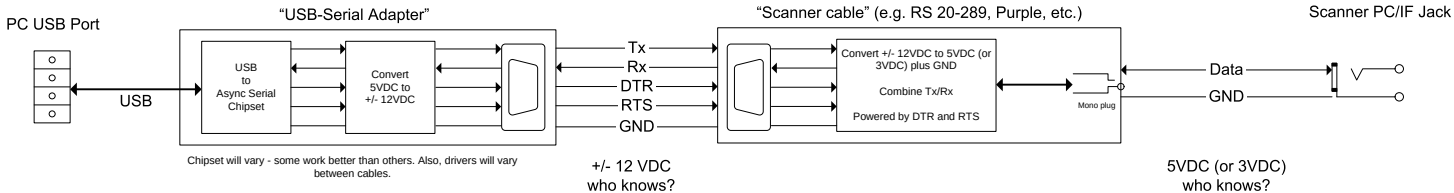
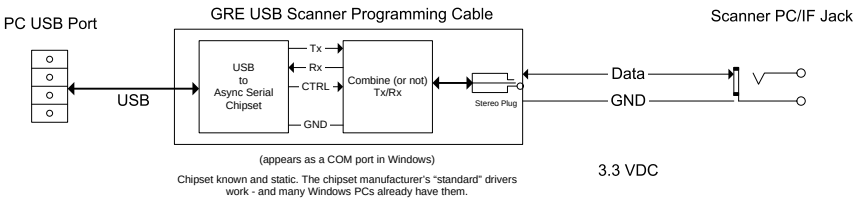

PC serial port
“Scanner cable” (e.g. RS 20-289, Purple, etc.)
Scanner PC/IF Jack
Tx
Rx
DTR
RTS
GND
Convert +/- 12VDC to 5VDC (or 3VDC) plus GND
Combine Tx/Rx
Powered by DTR and RTS
Mono plug
Data
GND
+/- 12 VDC
who knows?
5VDC (or 3VDC)
who knows?


PC USB Port
“USB-Serial Adapter”
“Scanner cable” (e.g. RS 20-289, Purple, etc.)
Scanner PC/IF Jack
USB
USB to Async Serial Chipset
Convert 5VDC to +/- 12VDC
Tx
Rx
DTR
RTS
GND
Convert +/- 12VDC to 5VDC (or 3VDC) plus GND
Combine Tx/Rx
Powered by DTR and RTS
Mono plug
Data
GND
Chipset will vary - some work better than others. Also, drivers will vary between cables.
+/- 12 VDC
who knows?
5VDC (or 3VDC)
who knows?


PC USB Port
GRE USB Scanner Programming Cable
Scanner PC/IF Jack
USB
USB to Async Serial Chipset
Tx
Rx
CTRL
GND
Combine (or not) Tx/Rx
Stereo Plug
Data
GND
(appears as a COM port in Windows)
Chipset known and static. The chipset manufacturer’s “standard” drivers work - and many Windows PCs already have them.
3.3 VDC